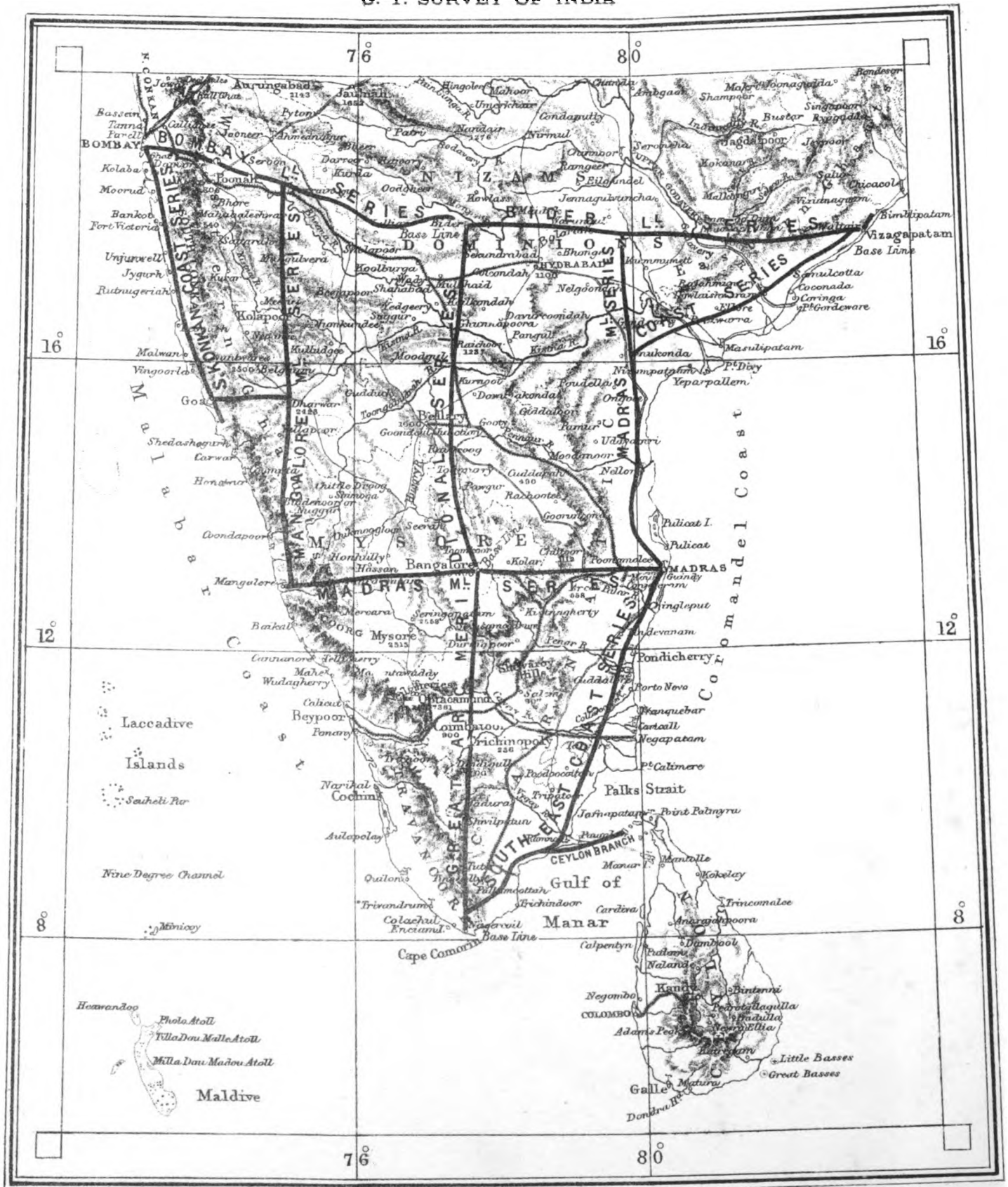


DIAGRAM  
OF  
THE SOUTHERN TRIGON  
OF THE  
G. T. SURVEY OF INDIA



Photostereographed at the Office of the Trigonometrical Branch, Survey of India, Dehra Dun, January 1890.

SYNOPSIS OF THE RESULTS OF THE OPERATIONS OF  
**THE GREAT TRIGONOMETRICAL SURVEY OF INDIA**  
VOLUME XXIX.

DESCRIPTIONS AND CO-ORDINATES  
OF THE  
PRINCIPAL AND SECONDARY STATIONS AND OTHER FIXED POINTS OF  
**THE GREAT ARC—SECTION 8° TO 18°**  
*OR SERIES A*  
OF THE  
**SOUTHERN TRIGON.**

PREPARED IN THE OFFICE OF THE TRIGONOMETRICAL BRANCH, SURVEY OF INDIA,  
LT.-COL. ST. G. C. GORE, R.E., SUPERINTENDENT TRIGONOMETRICAL SURVEYS, IN CHARGE.

PUBLISHED UNDER THE ORDERS OF  
MAJOR-GENERAL C. STRAHAN, R.E., SURVEYOR GENERAL OF INDIA.



Dehra Dun:

PRINTED AT THE OFFICE OF THE TRIGONOMETRICAL BRANCH, SURVEY OF INDIA.

1899.

*Price Two Rupees.*



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ERRATA, ADDENDA ET CORRIGENDA.

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PAGE XIII—A	line 4 from top	<i>for</i> etims	<i>read</i> times
10—A	" 25 " bottom	" Adoni	" Adoni
11—A	" 23 " "	<i>insert</i> a comma	<i>after</i> old temple
16—A	" 1 " top	<i>for</i> (Selam)	<i>read</i> (Sélam)
22—A	" 3 " "	" (Tiruchinápalí)	" (Tiruchinápalli)
"	" 11 " bottom	" (Tirunéveli)	" (Tirunéveli)
83—A. & 84—A.	in triangles Nos. 65 and 78	" Kolár, XLVIII	" Kolár, XLVIII
40—A.	line 3 from bottom	<i>insert</i> a comma	<i>after</i> Malliga h.s.
140—A.	at Halasúrbétta, XXXIX <i>after</i> Uialdianna Mandapam s., &c. <i>insert</i> Bangalore h.s. 14° 5' 36"   464		
191—A.	in description of Bálesvaramkōda h.s.	<i>take out</i> táluk Chintámani	
192—A.	The height of Bandúr s. refers to top of pillar.		
204—A.	in description of Chintalgat Hill Fort	<i>for</i> Kamkoal	<i>read</i> Kumkoal
213—A.	The height of Elamkunnu h.s. refers to top of mound.		
218—A.	" " Gooty Base-line N. End s. refers to ⊙ mark at upper surface of platform which is at ground level.		
266—A.	" " Namthabad s. refers to ⊙ mark at upper surface of pillar.		
271—A.	in descriptions of Nundydroogs	<i>for</i> Chikballapur	<i>read</i> Chikballapur

January, 1899.

J. ECCLES,  
*In charge of Computing Office.*

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## REFERENCES.

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The abbreviations employed in the text are as follows:—

h.s. denotes hill station (secondary)

s.    "    station           "

t.s.   "    tower station   "

These abbreviations are only placed after stations where a theodolite has been set up and observations taken to surrounding points.

The latitudes and longitudes of all points shown on the Charts at the end of the volume will be found in the text. The text exhibits numerical values of triangles only to points of a superior class, to which alone, if exhibited on the Charts, lines are drawn: the lines are either continuous throughout, or dotted for half the length and continuous for the other half: the dots indicate that the bearing was not observed. For other points difficult to identify or of comparatively less accuracy, numerical values of triangles and azimuths are not given.

*January, 1899.*

**J. ECCLES,**

*In charge of Computing Office.*

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## PREFACE.

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The Triangulation, of the results of which the present volume is a Synopsis, is a section of the meridional chain of triangles, trending from Cape Comorin to the Himalayan Mountains, which has long been known to geodesists as the Great Arc of India, and has been employed—in combination with meridional arcs measured in other parts of the globe—in all the investigations of the Figure of the Earth, which have been made during the present century. Full details of the *principal* triangulation of the Great Arc have been published from time to time, as each section was completed, by Major Lambton in Volumes VII, VIII, X and XII of the *Asiatick Researches*, and by Colonel Everest in his two volumes entitled *An Account of the Measurement, &c.*, which were respectively published in 1830 and 1847. In these works the Arc has necessarily been treated as a solitary chain of triangles, dependent for its linear elements on base-lines measured at the extremities of the several sections, but independent of any external triangulation; for when they were published it stood alone, and was intended to form “the axis of the Great Trigonometrical Survey of India”. After its completion however longitudinal chains were carried to the east and west, and in course of time were connected together at intervals by meridional chains, and at their extremities by chains following the Frontier and the Coast Lines; and this system of triangulation is now complete for the whole of India proper, including the regions between the parallels of  $8^{\circ}$  and  $34^{\circ}$  and the meridians of  $67^{\circ}$  and  $92^{\circ}$ . Thus the Great Arc has ceased to be a solitary chain of triangles and has become merged into the general triangulation of the country; and whereas originally its results were necessarily published without reference to those of the cognate operations in other parts of India, it can now no longer be considered as an independent work, but must be treated as a part of the general triangulation, and be made to harmonize therewith, borrowing from, as well as exerting an influence on, the chains of triangles external to itself.

For reasons which will be found explained at length in Section 7 of Chapter I of Volume II of the *Account of the Operations* of this Survey, the general triangulation of the country has been divided into five great figures or sections for final reduction: each of these contains a portion of the Great Arc, and the fourth figure in the order selected for reduction was the Southern Trigon.

The portion of the Great Arc which is comprised between the parallels of  $8^{\circ}$  and  $18^{\circ}$  and the details of which are given in this Volume, is one of the component Series of the Southern Trigon, or that section of the triangulation of India which embraces the portion of the peninsula lying south of the line joining Bombay and Vizagapatam. The general principles of the simultaneous reduction, and the procedure followed in carrying it out, are explained in Volume II of the *Account of the Operations, &c.*; and full details of the whole of the principal triangulation appertaining to the Trigon will be found in Volumes XII and XIII of the *Account of the Operations, &c.*

As however the entire contents of the volumes of the principal triangulation are not needed by geographers and surveyors, and moreover as these volumes give no details of the secondary triangulation—which is of considerable



value for local requirements—it is obviously desirable that synopses of the final results of the whole of the operations, including the secondary as well as the principal triangulation, should be published for general use in such a form as to be most suitable for convenience of reference. This has already been done as follows:—

For the several Series forming the North-West Quadrilateral,

- I. Great Indus Series.
- II. Great Arc, Section  $24^{\circ}$  to  $30^{\circ}$ .
- III. Karáchi Longitudinal Series.
- IV. Gurhágárh Meridional Series.
- V. Rahún Meridional Series.
- VI. Jogí-Tíla and Sutlej Series.
- VII. North-West Himalaya Series.
- VII A. Jodhpore and Eastern Sind Meridional Series.

For those forming the South-East Quadrilateral,

- VIII. Great Arc, Section  $18^{\circ}$  to  $24^{\circ}$ .
- IX. Jabalpur Meridional Series.
- X. Bider Longitudinal Series.
- XI. Biláspur Meridional Series.
- XII. Calcutta Longitudinal Series.
- XIII. East Coast Series.
- XIII A. South Párasnáth and South Malúncha Series.

For those forming the North-East Quadrilateral,

- XIV. Budhon Meridional Series.
- XV. Rangír Meridional Series.
- XVI. Amua and Karára Meridional Series.
- XVII. Gurwáni and Gora Meridional Series.
- XVIII. Huriláong and Chendwár Meridional Series.
- XIX. North Párasnáth and North Malúncha Meridional Series.
- XX. Calcutta and Brahmaputra Meridional Series.
- XXI. East Calcutta Longitudinal and Eastern Frontier Series, Section  $23^{\circ}$  to  $26^{\circ}$ .
- XXII. \*Assam Valley Triangulation, E. of Meridian  $92^{\circ}$ .

For the following Series of the Southern Trigon, *viz.*,

- XXIII. South Konkan Coast Series.
- XXIV. Mangalore Meridional Series.
- XXV. South-East Coast Series.
- XXVI. Bombay Longitudinal Series.
- XXVII. Madras Longitudinal Series.
- XXVIII. Madras Meridional and Coast Series.

And for those forming the South-West Quadrilateral,

- XXX. Abu Meridional and Gujarát Longitudinal Series.
- XXXI. Khánpisura Meridional Series.
- XXXII. Singi Meridional Series.
- XXXIII. Cutch Coast Series.
- XXXIV. Káthiáwár Meridional Series.

Already published.

\* This is an offshoot of the Assam Longitudinal Series, and falls entirely outside of the limits of the North-East Quadrilateral. The Volume is issued in a preliminary form, and therefore only a limited number of copies are available to meet any immediate demand for data: the final publication will be hereafter made on the completion of the triangulation in Burma, into the general reduction of which this Series will enter.

The present is the 36th Synoptical Volume in the order of publication, and the seventh of those appertaining to the Southern Trigon; it has been numbered XXIX for the purpose of grouping it with the other Synoptical Volumes of the Trigon. It gives the results both of the principal triangulation executed exclusively with theodolites having azimuthal circles of 24 and of 36 inches diameter, read by five micrometer microscopes, and of the secondary triangulation in which other instruments besides these were used.

By the process of reduction which has been followed, the principal triangulation has been rendered perfectly consistent both internally and externally; internally, so that if in any one of the several polygonal figures of which the chains may be composed, calculations are carried from one station to another in every possible direction, the same results will be inevitably deduced; and externally, so that the values of the co-ordinates of any station, when computed from the given co-ordinates of any other station, with the final linear and angular data, will be the same, whether the calculation is carried directly through the Series, or circuitously through any of the other chains of triangles comprising the Southern Trigon. All secondary triangulation emanating from one side of the principal Series and closing on another side thereof, or on a contiguous Series, has also been made consistent throughout.

As regards the general arrangement of this volume, it may be pointed out that the Introduction was originally prepared for Volume XII of the *Account of the Operations, &c.*, and when a sufficient number of copies had been printed for that work, additional copies were struck off for this volume. The Introduction was printed in the year 1838; it gives a historical and descriptive sketch of the progress of the whole operations\* in the field—both principal and secondary—from year to year; mentions the Officers by whom they were conducted and the theodolites with which principal angles were measured; and indicates the work done by each of the Assistants. The adjustment of the secondary triangulation was taken in hand in the year 1832, it was put aside for some time, and was completed in 1892 when the printing of the volume was resumed.

The data given in this volume are the following:—

*First* (page 1—A), an alphabetical list of the names of the principal stations, showing the numbers assigned to them.

*Second* (page 3—A), a numerical list giving the names corresponding to the numbers.

*Third* (page 5—A), descriptions of the structure and positions of the principal stations.

*Fourth* (page 29—A), the angles and sides of the principal triangles, numbered and arranged in order from north to south.

*Fifth* (page 40—A), the angles and sides of certain secondary triangles. The numbering is made consecutive to that of the principal triangles, in order to facilitate references which are made in other sections to the place where the length of a side is to be found.

*Sixth* (page 124—A), the azimuths of surrounding stations and points at principal, principal-auxiliary and secondary stations, the latter arranged in alphabetical order.

*Seventh* (page 180—A), the co-ordinates and descriptions of all stations and points arranged in alphabetical order.

It has not been considered necessary to publish the whole of the details of the secondary triangulation; the sides and angles of 1933 triangles, which were selected as most likely to be of future use, and the azimuths of all these sides, have been given; but for a number of other points the co-ordinates only have been given. With the aid of Tables Nos. XXVI, XXVII, XXVIII, XXIX and XXX of the *Auxiliary Tables to facilitate the calculations of the Survey of India*, Dehra Dún, 1887, surveyors, working on a system of rectangular co-ordinates, can readily transform the spheroidal co-ordinates here given to suit their requirements.

The heights above mean sea level of the stations determined trigonometrically are controlled by lines of spirit-levelling extending along the entire length of the Series: all particulars regarding the heights will be found detailed on page 180—A and in the footnotes to the subsequent pages.

The longitudes depend on an astronomically determined value of the longitude of the Madras Observatory, deduced about the year 1815. The longitude of the Madras Observatory has, however, been re-determined

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\* A descriptive account of Colonel Lambton's triangulation will be found in the *Appendix* to Volume XII of the *Account of the Operations, &c.*

by the Electro-Telegraphic method, from observations made at Greenwich, Mokattam (in Egypt), Suez, Aden, Bombay and at certain stations of the triangulation in India.

This value of the longitude of the Madras Observatory is equivalent to  $80^{\circ} 14' 51''$  E.; and as the originally adopted value, on which the longitudes of the whole of the stations of this Survey are based, is  $80^{\circ} 17' 21''$  E.—see page 135 of Volume II of the *Account of the Operations, &c.*—the following precept may be accepted with considerable confidence:—

**All the values of longitude in this volume require a constant correction,  
probably of  $-2' 30''$ .**

The orthography of Indian names in the present volume is in accordance with the provincial lists of spellings constructed under the immediate orders of the Government of India. The newly authorised spellings were adopted for all names and other words contained in these lists, except in the case of the Madras Presidency names which for the sake of uniformity are taken from the list published in 1879; but for words for which there was no specific authority, the spellings have been framed in accordance with the methods followed in the preparation of the published lists, which in the present instance are the Gazetted Lists for the Madras Presidency, Mysore and the Nizam's Dominions. As a general rule the pronunciations of the vowels are as follows:—*a* has a variable sound as in woman, rural, paltry; *á* as in tartan; *i* as in bit; *í* as in ravine; *u* as in bull; *ú* as in rural; *o* as in note; *õ* as in cot; *e* as *a* in say; *ẽ* as in bet; *au* as *ou* in cloud; *ai* as *i* in ride. Final vowels and those in well-known terminals are unaccented. When the popular spelling of a name has been accepted by Government, its correct orthography is generally given in parenthesis where the name occurs for the first time.

The charts accompanying this volume show all the principal stations and triangulation, the positions of all secondary points, and those portions of the secondary triangulation of which full details of the angles, sides and azimuths are given. With the aid of the charts it is hoped that little difficulty will be met with in finding out any of the data which may be required. The descriptions of the secondary stations and points are in some cases not as full and clear as might be desired: this arises from the inadequacy of the information entered on the spot by the surveyors in their field books; every effort has been made to supplement the field books, whenever it was found practicable to do so, in order to facilitate the future identification of the stations, and all the information which is forthcoming has now been given.

The general arrangement of the volume is in accordance with that adopted in previous Synoptical Volumes. The data which it contains have been prepared chiefly under the superintendence of Mr. J. Eccles, M.A., Deputy Superintendent, the Officer in charge of the Computing Office. The Introduction to this Series was written by Captain S. G. Burrard, R.E., Deputy Superintendent, and the late Mr. C. Wood. The volume like its predecessors has been printed at the Trigonometrical Branch Office at Dehra; Messrs. H. W. Peychers and A. D. L. Christie have rendered valuable service in the examination of the press proofs generally, and Mr. Peychers more particularly in regard to the numerical details which require the utmost care in supervision through the press, and in this respect from his natural aptitude and experience his assistance has been most valuable.

DEHRA DUN, }  
January, 1899. }

ST. G. C. GORE, LIEUT.-COLONEL, R.E.,  
*Superintendent Trigonometrical Surveys.*

**GREAT ARC MERIDIONAL SERIES—SEC. 8° TO 18°.**



## GREAT ARC MERIDIONAL SERIES—SECTION 8° TO 18°.

## INTRODUCTION.

The two portions of the Great Arc between 8° and 13°—Cape Comorin to Bangalore—and 13° and 18°—Bangalore to Bider—were first triangulated by Colonel Lambton prior to the year 1816. Although his work was quite on a par in point of accuracy with that of contemporary European Geodesists, it could not be expected, in consequence of the subsequent great improvements in instrumental appliances, to bear comparison with the triangulation of more modern times; and the question therefore arose whether these two portions ought not to be revised.\*

In 1861, at the request of the President and Council of the Royal Society, a committee composed of Professor Airy (Astronomer Royal), Doctor Miller and Professor Stokes, met to consider the present value of the surveys carried out by Colonel Lambton; and it may not be out of place to quote the concluding suggestions of their report:—

“The Committee think it right, however, to call the attention of the President and Council to the general quality of Colonel Lambton’s surveys, which, though executed with the greatest care and ability, were carried on under serious difficulties, and at a time when instrumental appliances were far less complete than at present. There is no doubt that at the present time the surveys admit of being improved in every part. The standards of length are better ascertained than formerly, and all uncertainty on the unit of measure can be removed. The base measuring apparatus can be improved. The instruments for horizontal angles used by Colonel Lambton were inferior to those now in use, and one of them was most severely injured by an accidental blow, the result of which was more distinctly

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\* An account of Colonel Lambton’s labours, compiled from all available sources of information, is given in the form of an appendix to the volume of the *Account of the Operations, &c.*, which contains the details of the Southern Trigon.

“injurious because the circle was read by only two microscopes. Allusion has already been made to the circumstances of observation affecting the altitude of stations. Though the astronomical observations were probably good for their age, yet new observations, conducted with such instruments and on such principles as those adopted by Sir George Everest, would undoubtedly be better. The Committee therefore express their strong hope that the whole of Colonel Lambton’s Survey may be repeated with the best modern appliances. No arc of meridian yet measured has such claims on the attention of the patrons of science as the Indian Arc, from its proximately equatorial position, and from its anomalies and the reference of them to the attraction of the Himalaya mountains.”

In 1865-66 the Madras Longitudinal Series had been carried by Captain B. R. Branfill

Season 1866-67.

PERSONNEL.

Lieut. W. M. Campbell, R.E., Assistant Surveyor.	
Mr. A. W. Donnelly, Civil Assistant, 4th Grade.	
“ J. W. Mitchell, Sub-Assistant, 2nd “	
“ O. V. Norris, “ 4th “	
“ C. D. Potter, “ 4th “	

along the parallel of 13°, from Madras westwards to within a short distance of Bangalore, and in 1866-67 it was extended further to a point 40 miles west of Bangalore. It was then decided to divert the operations to the Meridian of Bangalore, and to proceed southwards towards Cape Comorin. Both these places lie on the meridian of the Great

Arc, so that the triangulation connecting them would form the southernmost section of that series. By the close of the field season of 1866-67, the operations had been extended about 60 miles to the south towards Cape Comorin,\* and a site for the measurement of a base-line of verification had been selected in the vicinity of Bangalore. It was here in 1804, that one of the first base-lines of the Trigonometrical Survey was measured by Colonel Lambton. The Colby apparatus of compensation bars and microscopes, which has been used in the measurements of the lines on which the whole of the Principal Triangulation of the Empire has been based, was not brought out to this country by Colonel Everest till 1830, and but rude instruments had been available at the time of the old Bangalore measurement: for this reason it was quite inadequate to serve the purpose of verifying modern triangulation; especially too as there was some uncertainty as to Lambton’s unit of measure. Consequently it became necessary either to re-measure the old base or measure a new one. The former alternative would have been preferred, and might have been carried out, as the terminal marks were still in existence and in good preservation; but the surface of the country had undergone many changes in the course of the 60 years that had elapsed, large tanks for irrigation purposes had been constructed on the line, and a railway crossed it on a lofty embankment; a new line had therefore to be selected.

The necessary preliminaries for the measurement of the base-line of verification having been completed during the field season of 1866-67, arrangements were made for carrying out the measurement during the season following. Lieut.-Colonel (now General) J. T. Walker, the Superintendent of the Trigonometrical Survey, purposed supervising the measurement in person; but having met with a severe accident when about to proceed from his head-quarters, he deputed Mr. J. B. N. Hennessey to take his place.

\* The instrument chiefly used on the portion of the section south of Bangalore was Troughton and Simms’ 24-inch Theodolite No. 1, for the history and description of which see pages 38 to 41 of Appendix No. 2 to Vol. II of the *Account of the Operations, &c.*

When Mr. Hennessey arrived on the ground he found that Lieutenant Campbell had

Season 1867-68.

## PERSONNEL.

J. B. N. Hennessey, Esq., Surveyor, 1st Grade.	
Lieut. J. Herschel, R.E., " 2nd "	"
Captain B. R. Branfill, " 3rd "	"
Lieut. W. M. Campbell, R.E., " 3rd "	"
" M. W. Rogers, R.E., Asst. " 2nd "	"
Mr. A. W. Donnelly, Civil Assistant, 4th Grade.	
" J. W. Mitchell, Sub-Assistant, 2nd "	"
" G. Anding, " 2nd "	"
" A. Christie, " 3rd "	"
" O. V. Norris, " 4th "	"
" C. D. Potter, " 4th "	"
" J. Bond, " 4th "	"

selected the stations for the base-line minor triangulation as also the section stations, and had made all the other necessary preparations. The measurement\* was commenced at the S.W. End on the 3rd January, 1868, and was completed by the 12th March. The base-line is about 6.84 miles long, and runs N.E. and S.W. over undulating ground to the north of the large military station of Bangalore; its S.W. end is less than 2 miles from Cantonments. The distance was divided into three sections. The verificatory triangulation of the base-line, the triangulation connecting Colonel

Lambton's base with the main series, the measurement of the angles to Colonel Lambton's station of Döddagunta and those at Tirthapalli and Hösúr principal stations, besides the determination of astronomical azimuths at the ends of the base-line by circumpolar star observations, were executed by Lieutenant Rogers with Barrow's 24-inch Theodolite No. 2.

Captain Branfill had meanwhile proceeded to Cape Comorin to select a site for a base-line at the southern extremity of the Great Arc, an undertaking which proved a matter of no small difficulty; the ground in the immediate vicinity of the Cape being studded with rocky and precipitous hills, and the flat spaces intervening covered with dense forests of palmyra trees through which a line could not be cleared without great expense. Eventually a practicable line was discovered a short distance to the north-east of Colonel Lambton's astronomical station of Punnæ (Pannai), and after considerable exertions Captain Branfill succeeded in preparing the base-line stations, and completing all the requisite preliminaries for the measurement.

The measurement of the Cape Comorin Base-line was carried out this season. The

Season 1868-69.

## PERSONNEL.

Captain J. P. Basevi, R.E., Surveyor, 1st Grade, in charge.	
Lieut. J. Herschel, R.E., Surveyor, 2nd Grade.	
Captain B. R. Branfill, " 2nd "	"
Lieut. M. W. Rogers, R.E., Assistant Surveyor, 2nd Grade.	
Mr. J. W. Mitchell, Sub-Assistant, 2nd Grade.	
" G. Anding, " 2nd "	"
" G. Belcham, " 2nd "	"
" A. Christie, " 3rd "	"
" O. V. Norris, " 3rd "	"
" C. D. Potter, " 3rd "	"
" J. Bond, " 3rd "	"
" J. W. Macdougall, " 3rd "	"
" C. P. Torrens, " 4th "	"

base is 7.6 miles in length, and runs nearly north and south; its northern extremity is situated near the village of Rádhápuram, and its southern on an elevated stony ridge, a mile from the sea near the village of Kudankulam. It is divided into three sections by the stations of Paramesvaripuram and Sanganeri, the extreme sections being each about 3 miles, and the middle section 1.68 miles in length. The base is in the Tinnevely (Tirunēveli) district, about 13 miles north-east of Cape Comorin. In order to obtain data for the probable errors of a base measured with the Colby apparatus, it was decided to measure the middle section four times, instead of

measuring the whole distance once; the entire length selected was however to be preserved,

\* For a detailed account of the measurement see Volume I of the *Account of the Operations, &c.* The two ends of the base-line have since been connected with the spirit-levelling carried between Kárvár (Kárvár), Madras and Beypore (Bepur); and the height of the S.W. end above mean sea level is found to be 8 feet lower than as stated in Volume I, the effect being to increase the length of the base as therein given by 0.0143 of a foot.



by extending the measured portion by means of triangulation on both flanks, which at other base-lines had only served as a sort of check on the measurement. This triangulation consisted of a double hexagon, further strengthened by the observations of several cross rays, the stations being selected by Lieutenant Rogers. The middle section was very favorable for a measurement, the soil throughout being suitable and the slopes gentle. The apparatus arrived on the ground on January 4th, and by the 8th was unpacked and ready for work. Bar comparisons were taken on the 9th and 11th, and the first measurement was commenced on the 13th from Paramesvaripuram, and completed on the 23rd. The direction of the measurement was changed each time that the base was commenced anew, and Bar comparisons were taken on two days at the beginning and end of each measurement. Whilst the work was in progress, Colonel Walker, who was on a tour of inspection, arrived on the ground, and remained a month: during his stay he exercised a general superintendence and took part in the details of observing, but the charge was left in Captain Basevi's hands. All the operations were completed by the 12th of March, and on the following day the camp was broken up. Lieutenant Herschel superintended the re-packing and transport of the apparatus to Tuticorin (Tútugudi), and thence to Calcutta; Captain Branfill, with Troughton and Simms' 24-inch Theodolite No. 1, undertook the connection of the base with the principal triangulation; Lieutenant Rogers, with Barrow's 24-inch Theodolite No. 2, took up the base extension triangulation, and Captain Basevi proceeded to Punnæ to resume the Pendulum operations, which had been suspended during the measurement.

Though the time available for operations after the measurement of the base-line was short, Captain Branfill was able to measure the angles at six stations at the southern extremity of the Great Arc; he also observed an azimuth of verification at one of the terminals of the base, Lieutenant Rogers doing the like at the other.

In the field season of 1869-70, two parties were employed on the Great Arc Series, one, under Major Branfill, working between Bangalore and Cape Comorin, the other under Lieutenant Rogers between Bangalore and Bider\*.

The southern section of the Great Arc, as already mentioned, had been executed

Season 1869-70.			
PERSONNEL.			
Major B. R. Branfill,	Dy. Supt.,	3rd	Grade.
Mr. J. W. Mitchell,	Asst. Surveyor,	2nd	"
" O. V. Norris,	"	3rd	"
" C. D. Potter,	"	3rd	"
" E. W. Laseon,	"	4th	"

for a distance of about 60 miles in 1866-67 by Lieutenant Campbell to a little below the parallel of 12°. In 1869 Major Branfill resumed operations, and in the course of the season, carried the triangulation southwards for 75 miles; an area of 2276 square miles was covered, ten principal stations were newly fixed, and two astronomical azimuths

were observed. The first three stations visited, Kanjamalai, Pálamalai, and Urugamalai, were situated on mountains 3000 or 4000 feet above the plain, and six marches apart, so that much time was occupied in moving from one to the other. The progress of the party too was much hindered by the cloudy and rainy weather of the N.E. monsoon, and seven weeks had elapsed before the fourth station was reached on the 11th of January.

\* The instrument employed on the revisionary operations on the portion of the section north of Bangalore was Barrow's 24-inch Theodolite No. 2, for the history and description of which see pages 50 to 53 of Appendix No. 2 to Vol. II of the *Account of the Operations, &c.*

The two stations selected for azimuth observations were Kanjamalai and Pachapálayam : the former was chosen as being the first station below the Eastern Gháts at which there were no grounds for apprehending a deflection of the plumb-line; while the latter had a great advantage over its neighbours in having been used by Colonel Lambton in 1806 for latitude observations, and recently occupied by Captain Basevi as a Pendulum station, and by Captain Herschel for a new determination of the astronomical latitude.

The observations were continued without interruption till near the middle of March, when a plan designed by Mr. Mitchell for crossing the Palni mountains was found to be impracticable, and the principal triangulation was suddenly brought to a stand-still. This lofty range proved a most serious obstacle to the southward progress of the Series, and no satisfactory means could be devised for crossing it, except by a compound figure with four central stations. Colonel Lambton had overcome the difficulty by taking his single series of triangles to the eastern skirts of the range, and by placing a supplemental station on the highest point of the mountains, visible from three-fourths of the horizon, the angles at which were however not measured. Major Branfill's party were employed for the remainder of the season in carrying out some important secondary triangulation, about 70 miles of spirit-levelling which was necessary for the determination of the height of the Cape Comorin Base-line being also completed this season; and they returned to recess quarters on the 6th of May without, however, having formed any definite plan for crossing the range.

In 1869 the Bombay party under Lieutenant Rogers were ordered to carry on the

*Season 1869-70.*

PERSONNEL.

Lieut. M. W. Rogers, R. E., Asst. Supt., 1st Grade.  
Mr. G. Anding, Assistant Surveyor, 1st Grade.  
" W. C. Price, " " 2nd "  
" J. Bond, " " 3rd "

revision of the Great Arc Series northwards from Bangalore, and took the field at the end of November in that year. Considerable difficulty was experienced in selecting stations immediately north of the Bangalore Base, as the country was very hilly and the peaks of uniform height.

After the completion of the first double polygon the selection became easier, and by the middle of January stations for another double polygon and a quadrilateral had been chosen, extending the Series about  $2\frac{1}{2}^{\circ}$  north of Bangalore. Lieutenant Rogers who had been present with the advanced party himself then left Messrs. Anding and Price to build the stations, and returned to Innáglúr H.S. where he commenced final observations on the 3rd February, 1870. Owing to misty weather and the great length of some of the rays, he was considerably delayed at two places; but by the 16th April, he finished observations at all the stations of the double polygon, thus extending the Series to beyond  $14^{\circ}$  of latitude.

He then proceeded to the Bangalore Base-line to re-observe the azimuth at both terminals; an operation rendered necessary through the discovery of a defect in the instrument, which had been brought to light by the discordant results of the observations taken two years previously and had since been rectified. He began observations by using the same stars as in 1868, but owing to bad weather spent eight days in observing one zero. Noticing that the clouds cleared off towards the morning, he decided to take Polaris at its Eastern Elongation only and brought his work to a satisfactory conclusion by the 17th May, 1870, when the party went into recess quarters. The Series having passed through a country

already mapped and containing no town or place of more than local interest, very little secondary work was executed; but such of Lambton's old stations as were on conspicuous *drugs* (hill forts) or near large villages were fixed.

In the course of the season the main triangulation consisting of a polygonal figure with seven new principal stations, was carried northwards over a distance of 65 miles; the preliminary operations for the ensuing field season were also completed 92 miles in advance, Colonel Lambton's stations being used whenever practicable.

In November, 1870, work was recommenced in the Coimbatore district on the Southern

Season 1870-71.

PERSONNEL.

Major B. R. Branfill, Offg. Dy. Supt., 2nd Grade.	
Mr. J. W. Mitchell, Asst. Surveyor, 1st Grade.	
" O. V. Norris, " " 2nd "	
" C. D. Potter, " " 3rd "	
" E. W. Laceron, " " 4th "	

Section of the Great Arc Series. The triangulation had to be carried over the great Palni range of mountains, which rises abruptly some 6000 or 7000 feet above the plain of Coimbatore (Koyambatur), and which extends from the Western Ghats to the meridian of 77° 45', (the meridian of the Great Arc being 77° 41'). The country, as already

mentioned, was very difficult, and baffled several very promising plans for the approximate series during the previous season. Captain Herschel, who happened at this time to be at the station of Kutiparai (or Mallapatti) taking latitude observations, heard of the difficulty, and being in a good position for viewing the country round, drew up a plan for the triangulation, which was at once followed. He suggested the introduction of two or three quadrilateral figures in place of the regular polygons, which had been previously proposed; this rendered fewer stations necessary and the most difficult and inaccessible places were avoided. An unusually bad season however greatly delayed the work, and nearly all the party were prostrated with fever. Principal observations could only be completed at seven stations; six of which were on rugged hills between 1200 and 7400 feet high. One hexagon and one quadrilateral were finished, and the Series thus advanced southwards so as to reach the parallel of 10½°. The approximate series was however completed in advance of the last stations observed at, and closed upon the triangulation about the Cape Comorin Base-line. A self-registering tide-gauge was also set up this season at Tuticorin, and from the hourly readings traced on its drum during a whole month an initial datum was obtained for the spirit-levelling executed in the previous season for the determination of the heights of the Cape Comorin Base-line.\*

In 1870 the main party under Lieutenant Rogers took the field on the 18th November

Season 1870-71.

PERSONNEL.

Lieut. M. W. Rogers, R.E., Offg. Dy. Supt., 3rd Grade.	
Mr. W. C. Price, Assistant Surveyor, 2nd Grade.	
" J. Bond, " " 3rd "	
" C. P. Torrens, " " 4th "	

and commenced observations at Pávagada (Paugarh) H.S. on December 1st. From this date the observations were carried on continuously without interruption. Circumpolar star observations for azimuth were taken at Hönnur H.S. and Darúr H.S.; those at the former station not being complete were eventually rejected. Until the end of Feb-

\* Owing to the application with a wrong sign of a quantity employed in the levelling computations, the heights above mean sea level of the ends of this base-line quoted in Volume I are too great by about 23 feet, in consequence of which the mean length of the measured section as therein given is too small by 0.0099 of a foot. The necessary increase was made before adoption of the length in the reduction of the triangulation. The spirit-levelling recently carried down the coast from Madras *via* Negapatam (Nágapatnam) and Pámban to Tuticorin gives a value for height of the latter place agreeing within 0.4 of a foot with that previously deduced.

ruary, when the Series had reached the Tungabhadra river, the weather had been very favourable, but after this the heat greatly increased and the atmosphere became so hazy that the hills, on which the stations were situated, could be seldom seen except perhaps for an hour towards evening. The advance of the approximate series was so much delayed by the presence of this haze as to be nearly overtaken by the principal work, and observations had consequently to be closed on the 5th April, 1871, a fortnight earlier than had been intended.

In spite of the difficulties experienced during the latter part of this season, the outturn of work was remarkably large; sixteen new principal stations were fixed, completing one double and two single polygons; the triangulation was advanced a direct distance of 160 miles to a point 6 miles north of the river Kistna (Krishna), while the approximate operations for the ensuing season were carried further northwards to a distance of 60 miles. After closing the principal observations, Lieutenant Rogers marched back to Gooty (Gutti) and observed at three stations in the vicinity in order to connect Colonel Lambton's astronomical station of Namthabad with the principal triangulation. The party then returned to recess quarters, reaching Bangalore on the 4th May. For the last 2½ months of the season, the work was carried on chiefly in the territories of His Highness the Nizam of Hyderabad (Haidarabad); at the instance of the Resident a *mansabdár* (a Government official) and sepoy guard were attached to the camp and rendered good service.

In the field seasons of 1871-72 and 1872-73 no work was done on the southern section

Season 1871-72.

PERSONNEL.

Lt. M. W. Rogers, R.E., Offg. Dy. Supt., 3rd Grade.		
Mr. W. C. Price, Assistant Surveyor, 2nd Grade.		
" J. Bond,	"	3rd "
" C. P. Torrens,	"	4th "
" W. Oldham,	"	4th "

of the Great Arc, Major Branfill having received orders to take up the section of the Madras Longitudinal Series between Bangalore and Mangalore. The section of the Great Arc north of Bangalore was, however, pushed on without intermission. In November, 1871, Lieutenant Rogers took the field, and so rapid was the progress of the Series that on the 1st March, 1872, a junction was effected with the northern section of the Great Arc at the stations of Shilápalle, Göraigat and Topkönda, where Sir Andrew Waugh's operations had terminated 31 years before. In this season, observations were taken at sixteen principal stations—the Series being advanced 86 miles—and an astronomical azimuth was observed at Kodangal. The party suffered much from sickness during this season; in one of the detached camps small-pox broke out, and the wife of an assistant died from its effects.

The country through which the Series passed this season belonged to the Hyderabad State and was little known to Europeans. The greater portion was *jágír*-land held by nobles residing in Hyderabad who had no care for their dependants; there were no roads, the villages generally seemed to be in a state of decay, and the fields owing to the failure of the rains during the last few years were no longer cultivated.

In the greater number of the *jágírs* the Nizam's authority was only nominal; Sir Salar Jang, the Prime Minister, was however about this time resuming all those which were not family possessions but only held for military service, and the result was that where under the *jágírdár* in the preceding season hindrance and incivility were met with, under the new *régime* every assistance was obtained. An official and sepoy guard appointed by the Nizam to accompany the camp rendered great assistance in every way: but for their presence, indeed, the

Survey party would have probably come into collision more than once with the employés of some of the *jágrdárs*. About 20 miles north of the Kistna the Series passes over a range of hills running parallel to the river from east to west and about 1200 feet above the sea; beyond this the country is hilly and in many parts, especially west of the Series, entirely covered with huge rocks and boulders. Slate of a rough description is plentiful and used in many places for roofing; and all the villages are built of a whitish stone, which gives them a neat and clean appearance at a distance. Towards Bider the whole country rises and forms a plateau with an elevation of about 2000 feet, the southern portion of which is covered with thick jungle. This last, combined with the flatness of the ground, caused considerable delay and trouble in joining on to the old work, which appears to have been carried out of the meridian in order to avoid that portion of the country. In the neighbourhood of Bider the soil is red and ironstone abounds: at many villages iron is smelted in considerable quantities; not much quarrying is done, but the ironstone gravel which is very rich in ore is made great use of.

The only gap remaining on the Great Arc Series between Cape Comorin and the

Season 1873-74.

PERSONNEL.

Major B. R. Branfill, Dy. Supt., 2nd Grade.		
Mr. G. Belcham, Assistant Surveyor, 1st Grade.		
" C. D. Potter,	"	1st "
" J. Bond,	"	3rd "
" E. W. Laseyron,	"	3rd "

Himalayas was 108 miles in length, and lay between the southern slopes of the Palni mountains and the Cape Comorin Base-line: the work of filling in this space was assigned this season to Major Branfill. The party marched from Bangalore on November 1st, 1873, and on the 2nd of December reached Kutipárai, the first station of observa-

tion, where operations were begun by observing an astronomical azimuth. The stations in advance had already been selected, being disposed in the form of three quadrilaterals and one hexagon. A ray observed this season, between Kutipárai and Përumálmalai, was 64 miles in length, the longest side of any principal triangle hitherto observed in the Great Trigonometrical Survey of India. Final observations were continued without interruption, and with little delay, until on the 26th of February, the Southern Section of the Great Arc Series was completed by closing on the stations which had been connected in 1868-69 with the Cape Comorin Base-line. The work would have been completed somewhat earlier but for the disappearance of the station of Ittamöli which had been fixed five years before on a remarkable group of red sand hills. It had originally been constructed of masonry, like a well, sunk to a depth of 10 feet where it was thought that firm soil had been reached; but the depth proved insufficient, as the station was found to have been undermined by the sand drift,\* and nothing but some scattered *débris* remained to mark the spot. The erection of a

\* The sand-waves travel in the direction W.N.W. to E.N.E. In the five years 1869-74, the highest point of the sand-ridge was found to have travelled 30 yards, or at the rate of 6 yards per annum; but from the difference in position—1060 yards—between Lambton's Red Hill Station of 1808, which was presumably fixed on the highest part of this same sand-ridge as *then* existing, and of the station of Ittamöli built in 1874, the rate of advance is deduced as about 16 yards per annum. This is perhaps the most accurate measure of the average rate of progress of this remarkable sand-wave, which gradually but surely overwhelms the fields and villages met with in its course; but there is a report on record in the Collector's Office of an abnormal advance of 440 yards actually made in the four years 1845-48. Numerous attempts have been made in the locality, by growing grass and creepers and planting trees on the sands, to arrest the onward drift; but these have hitherto been unsuccessful owing no doubt to the want of system in the measures adopted. By the erection of artificial dunes the coast line of Gascony, which was subject to a similar sand-wave of which the average rate of advance was 14 feet per annum, has for a distance of 125 miles been not only effectively protected against the incursions of the sand, but these dunes have afforded ground on which with a few inexpensive measures pine and broom are grown most successfully. These artificial dunes have a base of over 300 feet in breadth and rise to a height of 40 to 45 feet: they are formed by gradually erecting a succession of wattled fences, one behind the other, with a palisade of planks on the mound which the drifting sand forms in the space between successive fences; the palisades are gradually raised in height as they are overtopped by the sand, and when the full height of the dune is attained, the top of the barrier is strengthened by a line of small faggots, weighing about 45 lbs, which are half-buried vertically in the sand.

new station on the site involved the re-observation of six angles that had been previously measured.

During this field season Mr. Bond had the good fortune to procure an interview with a couple of the wild folk, who live in the hill jungles of the Western Gháts, to the south-west of the Palni hills. Some strange dwarfish people were known to frequent the forests near the station of Pemalai, at the north-west corner of the Tinnevely district, but no trace of them had been seen by Major Branfill's party, except a few fires burning at night far off in the distant valleys, which were commonly stated to be entirely devoid of villages and civilised inhabitants. Mr. Bond gives the following account of his meeting with this couple:—

“Knowing a locality they frequented, whence they could easily steal the remains of food and pots, left by the herdsmen, the three *Kávalkárs* (hill-watchers) went there to look for them, and on the second day sighted a couple, who at once made off through the jungle for the rocks with great fleetness and agility, using hands and feet in getting over the latter. After a difficult and exciting chase, and a very careful search, they were found crouching between two rocks, the passage to which was so narrow that it cost their captors a severe scratching to reach them and drag them out one at a time by the legs. They were brought to me in a state of great fear, a man and a woman, and began to cry on being led to my camp at a large village, a few miles out in the plains. After some coaxing however, with promises of rice and tobacco, they consented to accompany me willingly. On reaching my tent in the evening I gave the man some clothes, and offered them a little money in small silver and copper coins. Each of them selected the latter, refusing the silver pieces of ten times the value, saying that they could get rice with the copper, and apparently having no idea of the value of the former. I gave the woman some pieces of cloth and a few small things, for which they both shewed their thanks by repeated prostrations on the ground before me. The hill-watchers were able to converse with them to a slight extent and extracted all the information they could. The wild pair seemed as great a curiosity to the villagers themselves as to myself; and a crowd assembled to watch them, expressing their surprise at the ease and freedom with which they sat in my tent without showing any fear or desire to run away. The man was 4 feet 6½ inches in height, 26½ inches round the chest and 18½ inches horizontally round the head over the eyebrows; he had a round head, coarse black woolly hair, and a dark brown skin; the forehead was low and slightly retreating; the lower part of the face projected like the muzzle of a monkey, and the mouth, which was small and oval with thick lips, protruded about an inch beyond the nose; he had short bandy legs, a comparatively long body, and arms that extended almost to the knees; the back just above the buttocks was concave, making the stern appear very developed; the hands and fingers were dumpy and always contracted, so that they could not be made to stretch out quite straight and flat, the palms and fingers were covered with thick skin (more particularly so the tips of the fingers) and the nails were small and imperfect; the feet were broad and thick skinned all over; the hairs of his moustache were of a greyish white, scanty and coarse like bristles, and he had no beard. The woman was 4 feet 6½ inches in height, 27 inches round the chest (above the breasts) and 19½ inches horizontally round the head above the brows; the colour of the skin was sallow or of a nearly yellow tint; the hair was black, long and straight, and the features well formed; there was no difference between her appearance and that of the common women of that part of the country. She was pleasant-looking, well developed, and modest. There were said to be five or six families of these people living about the Pemalai Hills. The dress of the man consists of a *langoti* or small piece of cloth tied round the loins. The women when they cannot procure cloth wear only a skirt of leaves. They both believed themselves to be 100 years old, but judging from their appearance I supposed the man to be 25 and the woman about 18 years of age. They said that they have been married 4 years, but had no children. Their marriage custom is very simple; a man and woman who pair off, mutually agree to live together during their life time, the conditions being that the man is to provide food and the woman to cook it, and the marriage is considered to be binding after these conditions have been carried out for the first time, *i.e.*, after they have eaten their first food together. They eat flesh, but feed chiefly upon roots and honey. The roots, of which the man next morning went to the jungle and fetched me two kinds, are species of wild yam. I tasted both when cooked and found them far from unpalatable. They have no fixed dwelling places but sleep on any convenient spot, generally between two rocks or in caves near which they happen to be benighted. They make a fire and cook what they have collected during the day, and keep the fire burning all night for warmth and to keep away wild animals. They worship certain local divinities of the

“forest,—Rákas or Rákári, and Pe (after whom the hill is named, Pe-malai). When one of them dies the rest leave the body exposed and avoid the spot for some months. Whenever the herdsmen, wood-cutters or hill-watchers come across a corpse and tell the *grám munsaf*, or head village official, he sends men to bury it and reports the circumstance to the *tahsildár*. The *grám munsaf* of this place (Mamsapuram and Shiventipati) told me that six had been buried under his orders. As I detained this couple in my camp till late in the evening, they begged to remain all night, as they were afraid to enter the jungles so late for fear of wild beasts unless they had a torch with them. I then offered them food if they would cook it near my tent, and gave them what they asked for, rice; but when a fowl and curry stuff were suggested they took them also. The man would have killed the fowl by cutting off its head between two stones, but I told my people to give him a knife and shew him how to cut its throat, which they did, but he evidently disliked to use the knife and begged my servant to do it for him, and turned away his head as if he did not wish to see it done. Whilst the woman cooked the rice, the man cut up the fowl, by placing the knife between his toes and drawing the meat along the edge of it. They seemed ignorant of the use of salt and curry stuff as they did not use the condiments till told to do so. Moreover they wanted to eat the food when only half cooked. The man having washed his hands remained squatting on the ground till his wife served him, which she continued to do, without eating anything herself, till he signed to her that he had had enough: she then brought him water to wash his mouth and hands and afterwards ate her own food. The fingers alone were used in eating: some rice mixed with the curry was collected into a lump and thrown into the mouth, and I noticed that they did not mix any of the meat with the curry. What remained of their food was put carefully away and carried off next day into the jungle. Next morning I sent the man to fetch specimens of the roots they ordinarily feed on whilst the woman remained at my camp. On his return soon after midday I dismissed them apparently not ill pleased with their involuntary visit.”

On the completion of the Simultaneous Reduction of the Southern Trigon it was found that the errors actually dispersed over the Great Arc Series—Section 8° to 18°—were as follows:—

Over the northern portion, *viz.*, from Bider to Bangalore.

In Latitude	...	...	+ 0"·012
„ Longitude	...	...	— 0'·091
„ Azimuth	...	...	+ 1'·104
„ Side	...	...	Log. feet + 0'·00000121 = 0'·17 of an inch per mile.

Over the southern portion, *viz.*, from Bangalore to Cape Comorin.

In Latitude	...	...	— 0"·072
„ Longitude	...	...	+ 0'·044
„ Azimuth	...	...	— 1'·260
„ Side	...	...	Log. feet + 0'·00000091 = 0'·13 of an inch per mile.

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#### *Secondary Triangulation.*

A large amount of secondary triangulation was executed in connection with the operations of the Great Arc Series; not only with the object of fixing the positions of the

numerous conspicuous points and of important places in the tracts passed through by the Series, but also with a view to connecting as many as possible of Lambton's stations and points in order that the adjustment of the old triangulation and its incorporation with the work of modern times may be more satisfactorily effected.

In the southern half of the Great Arc Series, *i.e.*, from Bangalore to Cape Comorin, about twenty of Lambton's stations and points have been refixed either by the Principal or Secondary work. South of Bangalore down to the 12th parallel of latitude, *i.e.*, to season 1868-69, practically no secondary triangulation has been done; but below this parallel and down to Cape Comorin, the country has been very extensively covered with secondary stations and points, which together with the numerous determinations of height by the aneroid barometer, made by Major Branfill during two seasons, afforded very valuable additions to the geography of tracts of which large portions were then all but a *terra incognita*.

In the two seasons 1869-71, the positions of Salem (Selam), Yercaud (Erkád), Coimbatore, Dindigul (Tindukal), Madura (Madurai), and Trichinopoly (Tiruchinápalli) were determined,—the first three by lines of minor triangulation executed with 14-inch and smaller theodolites, and the last three by observations with the large instrument from the stations of the main triangulation: three latitude stations were connected with; and, in addition, about 170 secondary stations and points were fixed, including several remarkable peaks on the Nilgiri, Shevaroy (Servaráyar), Palni, and Anaimalai hills, the Anaimudi peak on the last named being found to be 8840 feet above mean sea level, or about 200 feet higher than the Döddabëtta peak which till then was looked upon as the highest in southern India.

In 1873-74, the positions of Tinnevelly and Tuticorin were fixed; three latitude stations were connected with; and about fifty secondary stations and points were observed, including twenty peaks on the Sukhein range which terminates immediately to the north of Cape Comorin.

In the northern half of the Series, *i.e.*, from Bider to Bangalore, about twenty more of Lambton's stations and points were re-fixed. As, however, a good portion of the country between Bider and Bangalore had already been mapped, secondary triangulation in this tract was not considered to be so much a desideratum as in the portion below Bangalore. Nevertheless, the following work under this class has been done, which, together with a complete series of aneroid barometer observations affording the heights of a large number of places, furnishes ample material for rectifying the existing geography:—

In 1869-71, the positions of the Bellary (Ballári) Fort and of about seventy secondary stations and points, chiefly on *drugs* (hill forts) and conspicuous hills were determined by observations with the 24-inch theodolite from principal stations.

In 1871-73, besides some forty secondary stations and points (including several latitude stations the positions of most of which were fixed from principal stations with the large theodolite), the following important chains of triangles were executed, *viz.*, (a) a series of about 45 miles in length, executed by Lieutenant Rogers with the 24-inch theodolite for the



purpose of fixing Hyderabad, Secunderabad (Sikandarabad), Bolarum (Boláram), Golconda (Golkōnda) and Trimulgherry (Trimalgiri), which furnishes the position and height of about thirty stations and points; (b) a series carried eastwards by Mr. Bond with a 10-inch theodolite for a direct distance of about 90 miles to Cuddapah (Kadapa), and which furnishes the position and height of about forty-five stations and points; and (c) a series of about 24 miles in length carried north-eastwards by Mr. Torrens to Kurnool (Karnúl) which furnishes the position and height of about ten stations and points.

*February, 1888.*

S. Q. BARRARD.

C. WOOD.

## GREAT ARC MERIDIONAL SERIES—SECTION 8° TO 18°.

## PRINCIPAL TRIANGULATION. ALPHABETICAL LIST OF STATIONS.

Ádoni . . . . .	XXII.	Ganapur . . . . .	X.
Alagumalai . . . . .	LXXIII.	Gooty . . . . .	XXV.
Ambájidurga . . . . .	XXXVI.	Góraigat . . . . .	I.
Anantagiri . . . . .	VI.	Guttiráyan . . . . .	LX.
Ánehëttidurga . . . . .	LVI.	Halasúrbëtta . . . . .	XXXIX.
Arasákulam . . . . .	XCVI.	Hemagiri . . . . .	XLIV.
Bánatimaribëtta . . . . .	XLV.	Hönnúr . . . . .	XXIX.
Bandhallidurga . . . . .	LXI.	Hösúr . . . . .	L.
Bangalore Base-line N.E. End . . . . .	LIII.	Hudági . . . . .	XII.
Bangalore Base-line S.W. End . . . . .	LII.	Idindakarai . . . . .	CII.
Bannergatta . . . . .	XLII.	Ilaiyanaináarkulam . . . . .	XCVIII.
Bhúpatamma . . . . .	XLIX.	Impagat . . . . .	XIII.
Bodamalai . . . . .	LXIII.	Innáglúr . . . . .	XXXV.
Cape Comorin Base-line N. End, or } Paramesvaripuram }	C.	Ittamöli . . . . .	XC.
Cape Comorin Base-line S. End, or } Sanganeri }	CI.	Jánikálu . . . . .	XX.
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Darúr . . . . .	XVI.	Kanjamalai . . . . .	LXV.
Devádëlabëtta . . . . .	XXX.	Karadigutta . . . . .	LXII.
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Érukandurai . . . . .	CIII.	Köllupálayam . . . . .	LXXV.
Gadëkal . . . . .	XXVI.	Komálkaradu . . . . .	LXVIII.

## PRINCIPAL TRIANGULATION. ALPHABETICAL LIST OF STATIONS—(Continued).

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Köppabëtta . . . . .	LVIII.	Pulikönda . . . . .	XXIII.
Köttapalle . . . . .	XV.	Pulláváli . . . . .	LXXXVIII.
Kudankulam . . . . .	XCV.	Punnæ Observatory . . . . .	CIV.
Kulayanallúr . . . . .	LXXXV.	Rádhápuram . . . . .	XCII.
Kutaitatti . . . . .	LXXXVI.	Rámadevarabëtta . . . . .	XL.
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Mákalidurga . . . . .	XXXVIII.	Rangaswámibëtta . . . . .	XLIII.
Maliabad . . . . .	XIX.	Savandurga . . . . .	XXI.
Mandúr . . . . .	LIV.	Shilápalle . . . . .	XLVII.
Manpöttai . . . . .	XCIV.	(Of the Great Arc Meridional Series—Section 18° to 24°).	
Mariyálam . . . . .	LVII.	Tadmanúr . . . . .	II.
Morúr . . . . .	LXVII.	Tanakarakulam . . . . .	XCVII.
Möthakapalle . . . . .	V.	Thittamalai . . . . .	LXXI.
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Nandigudi . . . . .	XLVII.	Tirumankaradu . . . . .	LXXII.
Nélagat . . . . .	XI.	Topkönda . . . . .	III.
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## GREAT ARC MERIDIONAL SERIES—SECTION 8° TO 18°.

## PRINCIPAL TRIANGULATION. NUMERICAL LIST OF STATIONS.

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XLVII		Shilápalle.	XXVII	.	.	.	.	Udarpidurga.
I	.	Göraigat.	XXVIII	.	.	.	.	Devarakönda.
II	.	Tadmanúr.	XXIX	.	.	.	.	Hönnúr.
III	.	Topkönda.	XXX	.	.	.	.	Devádělabětta.
IV	.	Kanděanmarai.	XXXI	.	.	.	.	Köndapalli.
V	.	Möthakapalle.	XXXII	.	.	.	.	Urakönda.
VI	.	Anantagiri.	XXXIII	.	.	.	.	Pávagada.
VII	.	Voměkönda.	XXXIV	.	.	.	.	Yěrrakönda.
VIII	.	Kodangal.	XXXV	.	.	.	.	Innágłúr.
IX	.	Pöchamagat.	XXXVI	.	.	.	.	Ambájidurga.
X	.	Ganapur.	XXXVII	.	.	.	.	Dödnírmanga.
XI	.	Nělagat.	XXXVIII	.	.	.	.	Mákalidurga.
XII	.	Hudági.	XXXIX	.	.	.	.	Halasúrbětta.
XIII	.	Impagat.	XL	.	.	.	.	Rámadevarabětta.
XIV	.	Pírlagat.	XLI	.	.	.	.	Savandurga.
XV	.	Köttapalle.	XLII	.	.	.	.	Bannergatta.
XVI	.	Darúr.	XLIII	.	.	.	.	Rangaswámibětta.
XVII	.	Naikal.	XLIV	.	.	.	.	Hemagiri.
XVIII	.	Chintalikunta.	XLV	.	.	.	.	Bánatimaribětta.
XIX	.	Maliabad.	XLVI	.	.	.	.	Tirthapalli.
XX	.	Jánikálu.	XLVII	.	.	.	.	Nandigudi.
XXI	.	Kěre Bělagal.	XLVIII	.	.	.	.	Kolar.
XXII	.	Ádoni.	XLIX	.	.	.	.	Bhúpatamma.
XXIII	.	Pulikönda.	L	.	.	.	.	Hösúr.
XXIV	.	Katömöráj.	LI	.	.	.	.	Turukungutta.
XXV	.	Gooty.	LII	.	.	.	.	Bangalore Base-line S.W. End.

## PRINCIPAL TRIANGULATION. NUMERICAL LIST OF STATIONS—(Continued).

LIII	Bangalore Base-line N.E. End.	LXXX	Kalugumalai.
LIV	Mandúr.	LXXXI	Kutipárai.
LV	Devarabëtta.	LXXXII	Pemalai.
LVI	Ánchëttidurga.	LXXXIII	Koilpati.
LVII	Mariyálam.	LXXXIV	Përiyúr.
LVIII	Köppabëtta.	LXXXV	Kulayanallúr.
LIX	Pönnásibëtta.	LXXXVI	Kutaitatti.
LX	Guttiráyan.	LXXXVII	Valanád.
LXI	Bandhallidurga.	LXXXVIII	Pulláváli.
LXII	Karadigutta.	LXXXIX	Tiruchëndúr.
LXIII	Bodamalai.	XC	Ittamöli.
LXIV	Pálamalai.	XCI	Kanimárpöttai.
LXV	Kanjamalai.	XCII	Rádhápuram.
LXVI	Urugamalai.	XCIII	Vijayápati.
LXVII	Morúr.	XCIV	Manpöttai.
LXVIII	Komálkaradu.	XCV	Kudankulam.
LXIX	Chënnimalai.	XCVI	Arasákulam.
LXX	Yëttimalai.	XCVII	Tanakarakulam.
LXXI	Thittamalai.	XCVIII	Ilaiyanainárculam.
LXXII	Tirumankaradu.	XCIX	Pëddarangapuram.
LXXIII	Alagumalai.	C	{ Cape Comorin Base-line N. End, or Paramesvaripuram.
LXXIV	Paruttimalai.	CI	{ Cape Comorin Base-line S. End, or Sanganeri.
LXXV	Köllupálayam.	CII	Idindakarai.
LXXVI	Chaklichimalai.	CIII	Érukandurai.
LXXVII	Rangamalai.	CIV	Punnæ Observatory.
LXXVIII	Përumálmalai.		
LXXIX	Mudimalai.		

## GREAT ARC MERIDIONAL SERIES, SECTION 8° TO 18°.

### DESCRIPTION OF PRINCIPAL STATIONS.



The Principal Stations of this Series, with the exceptions noted below, are situated on hills or rising ground. Each consists of a solid, circular and isolated pillar of masonry about  $3\frac{1}{2}$  feet in diameter and varying from 1 to 6 feet in height. In the centre and upper surface of the pillar a mark (circle and dot) engraved on stone is imbedded in the normal of one or more similar marks inserted within the pillar, the lowermost in several instances being cut on the rock *in situ*. Around the pillar and level with its upper surface, a solid platform of stones, of earth and stones, or of sun-dried bricks, 14 to 17 feet square, has been built for the accommodation of the observatory tent. The exceptions are the stations numbered IV and CIII (tower stations), XC (temporary station on a shifting red sand hill), XXII, XXXIII, LXXIII and LXXXIX (on buildings), XXIII (station of Colonel Lambton's triangulation), LII, LIII, C and CI (stations defining the ends of the Bangalore and Cape Comorin base-lines), XCII and XCV (stations originally built for the Cape Camorin base-line), and CIV (Punnæ Observatory). Each of which will be found fully described hereafter.

Most of the stations have their upper marks protected by small pillars of masonry in the form of a frustum of a pyramid, 28 inches square at base, 20 inches at top and  $3\frac{1}{2}$  feet in height. These protecting pillars carry sufficiently accurate marks on their upper surfaces for Topographical and Revenue Survey purposes as shown at page 74 of Volume II of the *Account of the Operations, &c.*

The following descriptions have been compiled from those given by the Officers who executed the Series, supplemented, as regards adjacent villages, from the Topographical and Madras Revenue Survey Maps (wherever available) of the country traversed, and corrected, so far as the local sub-divisions in which the several stations are situated, from the Annual Returns furnished by the district officers to whose charge the stations are committed.

The orthography of proper names and of Indian words is based on the official lists published under the orders of the Government of India, with this difference that the é is shewn without an accent, in conformity with the rules for spelling names in Northern India, and the short e as ě, and o is treated in the same manner. Final vowels and those in well-known terminals are unaccented. When the popular spelling of a name has been accepted by Government, its correct transliteration is given in parenthesis where the name occurs for the first time.

**XLIV.** (*Of the Great Arc Meridional Series, Section 18° to 24°*). Dúdála Hill Station, lat. 17° 56', long. 77° 55'—observed at in 1838, 1840 and 1869—is on the range of high lands which extend in an east and west direction along the north bank of the Manjra river. It is identical with the station of “Doodallah” of Colonel Lambton's triangulation of 1814, and is in the lands of the village of Dúdála, táluk Tekmál, district Medak.

The station consists of a platform enclosing a solid, circular and isolated pillar of masonry which contains two marks, one imbedded in the upper surface of the pillar and the other 2·74 feet below it. The station of 1814 was found in 1838 and 1840 marked by a granite stone measuring 16 × 12 × 12 inches. The station was then rebuilt, the lower mark being placed 6 inches below its former position, with another mark on stone imbedded in the upper surface of a solid, circular pillar of masonry 32·9 inches above the lower mark: this upper mark was employed in 1869. The only change made in 1869 was the rebuilding of the platform. The directions and distances of the circumjacent villages are:—Dúdála S., mile 1; Aladurgán E., miles 3; and Udatpur S.E., miles 2.

**XLVII.** (*Of the Great Arc Meridional Series, Section 18° to 24°*). Shilápalle Hill Station, lat. 17° 46', long. 77° 43'—observed at in 1840 and 1872—is on an earthen mound 36 feet above the table-land, about 5 miles S. of the large village of Nialkal, and 13 miles S.E. of Bidar. It is in the lands of the village of Shilápalle, taluk Hasnabad, district Bidar.

The station consists of a platform of blocks of iron-stones strongly constructed, enclosing a solid, circular and isolated pillar of masonry which contains four marks of which the second, third and fourth are respectively 3·18, 5·88 and 11·31 feet below the upper. The site of the station being composed of black mould it was found necessary to sink the foundation to a depth of 4 feet. The platform is 11·92 feet high. No trace of the station of 1814 was found in 1840 except a mark-stone which was discovered lying 3 or 4 yards to the west. When visited in 1872, on the revision of the Great Arc triangulation "the pillar was found slightly broken in parts and a portion of the mark-stone chipped off. The mark was apparently undisturbed. The platform "was completely broken down but the paka annulus was standing." When visited by the Levelling Party, in 1888-89, the rectangular protecting pillar was found broken, otherwise it was in good order. The directions and distances of the circumjacent villages are:—Shilápalle E., mile 1; Kupanágar S.E., miles 2; Putpalle S.W., miles 2; Sangam E., miles 4; and Mangi N., miles 2½. The two latter villages are on the high road from Bidar to Hyderabad (Haidarabad).

**I.** Göraigat Hill Station, lat. 17° 40', long. 77° 53'—observed at in 1841 and 1872—is situated on an iron-stone hill in the form of the frustum of a cone, about 20 yards N.E. of a small granite pillar dedicated to Sang Mesar, at which offerings are made. The small village from which the station is named lies at the southern foot of the hill and close on to the border of the Köhir and Kalpagúr taluks. It is in the lands of the village of Göraigat, taluk Kalpagúr, district Medak.

The station as originally fixed on this hill by Colonel Lambton, consisted of a circle engraved on a stone at the distance of 60 feet N.E. from the granite pillar above mentioned, which Colonel Everest in the year 1841 described as follows:—"The old platform at this station having been destroyed, the site for the new station was selected according to the information given by the villagers; the new platform is neatly constructed of good masonry on the isolating principle, and the foundation being on the iron-stone rock, a very secure and steady support is obtained for the instrument. There are three mark-stones imbedded in the masonry, the lowest being at the surface of the ground, and the others 1·97, and 4·38 feet respectively above the former." When visited in 1872, the station was found in perfect preservation and no alteration was made. When again visited by the Levelling Party, in 1888-89, the station was found in good order. The directions and distances of the circumjacent villages are:—Kumkoal W. by S., miles 2; Gopálavaram E., miles 1½; Sadáshivpet E. by S., miles 6; Munpalle N.E., miles 3; Kamampalle N., miles 1½; Maktampalle W., miles 2; and Budara S., miles 1½.

**II.** Tadmanúr Station, lat. 17° 48', long. 78° 0'—observed at in 1841—is situated on an undulation about a mile W. by S. of the village of Tadmanúr. It is identical with the station of "Taudmunnoor" of Colonel Lambton's triangulation of 1815, and is in the lands of the village of Tadmanúr, taluk Tekmál, district Medak.

The station consists of a platform of stone masonry enclosing a solid, circular and isolated pillar of masonry which contains two marks, one in the upper surface of the pillar and the other 3·17 feet below it. On account of the unsteady character of the black soil, a foundation of 3 feet was given to the pillar. The old mark was found apparently undisturbed, and the centre of the new station corresponds thereto. This station was rebuilt in 1872 for the signal party only. The directions and distances of the circumjacent villages are:—Raipad W., mile ¾; Tadilmai N. by E., miles 3; Jögipet E. by N., miles 6; and Kaslabad N.W., miles 5.

**III.** Topkõnda Hill Station, lat. 17° 31', long. 78° 7'—observed at in 1841 and 1872—is situated on a hill about 3 miles N.W. of Dhobipet, a large village on the road from Mominpet to Hyderabad, and some 12 miles W. of Patanchëru, a well-known village with a dák bungalow on the Bidar road. The station is identical with that of "Topecondah" of Colonel Lambton's triangulation of 1814, and is in the lands of the village of Guntapalle, taluk Kalpagúr, district Medak.

The station as originally established by Colonel Lambton, consisted of a stone with circle and dot engraved in its surface. Its description in 1841 by Colonel Everest is as follows:—"The old trigonometrical mark at this station was found in good order and undisturbed, the mark-stone being buried in the ground and level with its surface. The new station is built with good masonry on the isolating principle, and being founded on the iron-stone rock affords a secure and steady support for observation. The new upper mark is 2 feet above the surface of the ground, and the lower mark 1½ feet below the same level: the distance between the marks is 3½ feet." When visited in 1872, the station pillar and platform were found slightly damaged, but the upper mark-stone undisturbed. The directions and distances of the circumjacent villages are:—Topkõnda E., miles 1½; Sadáshivpet N.W., miles 9; Gazalgudda S., mile ¾; and Guntapalle W.N.W., miles 1½.

**IV.** Kandënmarai Tower Station, lat. 17° 32', long. 77° 45'—observed at in 1872—is situated on the high ground, about 5 miles S. by W. of the large village of Köhir, and 2 miles west of the road connecting the latter and Kõttapalle. It is close to an immense banian tree, the greater portion of which had to be cut down. The station is in the lands of the village of Bihilpur, taluk Köhir, district Bidar.

The station consists of a tower of iron-stone and mortar, 12 feet high and 7 feet square, in the centre of the upper portion of which is a circular pillar, 3½ feet in diameter, isolated to a depth of 5 feet. A perforation through the centre of the

pillar and tower admits of the instrument being plumbed over a mark below, access to which is obtained by an arched passage constructed for the purpose. The tower contains four mark-stones, one in the foundation, the second flush with the ground, the third (over which the instrument was centered) 1·67 feet above the second, and the fourth, in the upper surface of the isolated pillar, (placed there after the observations were completed) 10·5 feet above the third. A temporary wooden platform was erected round the tower for the observatory tent. After the observations the arched passage was closed up with stone masonry. The directions and distances of the circumjacent villages are:—Bihilpur N., miles 2½; Mannaharpalle W., miles 2½; Damvadpur S.E., miles 1½; and Bachannapalle E., miles 2½.

V. Mōthakapalle Hill Station, lat. 17° 27', long. 77° 53'—observed at in 1872—is situated on the S.W. corner of a long, flat-topped hill running east and west and about 320 feet high: it is ¼ of a mile E. of a conspicuous, red peak on the same range. The station is in the lands of the village of Mōthakapalle, táluk Kōttapalle, district Medak.

The station consists of a platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter; the pillar has a foundation of 2 feet and contains two mark-stones firmly fixed in it, one in the foundation and level with the surface of the ground and the other in the surface of the pillar 4·90 feet above the lower. The azimuths and distances of the circumjacent villages are:—Nagatanpalle 19°, miles 1·9; Birhalli 28°, miles 3·0; Bilalpur 61°, miles 4·1; and Mōthakapalle 71°, miles 1·8.

VI. Anantagiri Hill Station, lat. 17° 18', long. 77° 54'—observed at in 1872—is situated on the S.E. part of a flat-topped hill covered with heavy jungle and rising about 400 feet above the village of Keravali. It is about ¾ of a mile S.W. of a famous temple, built on a platform, which is visited twice annually by people from all parts of the country. It is on the site of the station of "Annantagherry" of Colonel Lambton's triangulation of 1814, the platform of which was found. The station is in the lands of the village of Anantagiri, táluk Mominpet, district Gulbarga.

The station consists of a platform of stones and earth 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains three mark-stones, one imbedded in the upper surface of the pillar and two others 1·74 and 4·09 feet below it respectively. Colonel Lambton's station consisted of a circular platform 8 or 9 feet in diameter, with a circle and dot engraved on a stone fixed in its centre. When visited in 1872, the platform was in existence, and in place of the circle and dot, a large stone with a hole apparently for a pole for observations was found. The middle of this platform was dug up until rocky soil was reached and a mark-stone was placed in the centre of the old platform, over which the pillar was built as already described. The azimuths and distances of the circumjacent villages are:—Ebbanúr 108°, miles 2·6; Bāsvaram 96°, miles 2·6; Keravali 97°, miles 1·7; Doravid or Dorade 91°, miles 5·0; Taregopala 45°, miles 3·5; and Nagaram 41°, miles 2·6.

VII. Vomēkōnda Hill Station, lat. 17° 24', long. 77° 38'—observed at in 1872—is situated on a flat-topped hill, the highest and most southerly of a conspicuous range running south from Bidar. It is about a mile west of the road connecting the large villages of Kōhir and Tandúr, and 10 miles N. of the latter. The station is about 20 yards W. of a Muhammadan tomb and on the S.E. corner of the hill which is 190 feet above the level of the surrounding country. It is in the lands of the village of Vomēkōnda, jághír Pēdda Mal, district Gulbarga.

The station consists of a platform of stones and earth 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter and 2½ feet high, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 2·71 feet below it. The directions and distances of the adjacent villages are:—Indúr S. by E., miles 3½; Tattapalle N.E., miles 4; Naglapalle E. by S., miles 4; and Otkúr S.E., miles 2½.

VIII. Kodangal Station (locally known as Jandagadda), lat. 17° 8', long. 77° 41'—observed at in 1872—is situated on a very commanding but not hilly ground extending principally N.W. and S.E., with a valley on the S.W. running parallel, and an extensive plain N. and N.E. The station is 15 feet S.W. of the Pendulum station, about 2 miles N.N.E. of the large village of Kodangal, and ½ a mile E. of the road between Kodangal and Valal. It is identical with the station of "Kota Koddangul" of Colonel Lambton's triangulation of 1814, and is in the lands of the village of Vēnkanapalle, táluk Kodangal, district Gulbarga.

The station consists of a platform of stones and earth (interior of earth only) enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter. The pillar has a foundation of 1 foot, and rises 3 feet above the ground, and contains two mark-stones, one imbedded in the upper surface of the pillar and the other 4 feet below it. Colonel Lambton's circle and dot mark cut on a stone was found 1 foot below the ground level covered over by a small pillar, and adopted as the lower mark of the present station. The directions and distances of the following places are:—Hasnabad S. by E., miles 6; Ráichúr W.S.W., miles 7½; and Valal N., miles 5½.

IX. Pōchamagat Hill Station, lat. 16° 58', long. 77° 59'—observed at in 1872—is situated on a small hill on high ground, about 5 miles S. of the road from the town of Kusgi to the large village of Viranapet: the



hill is the highest in the neighbourhood and is 350 feet above the plain; it is surrounded by jungle, and derives its name from a place of worship in the vicinity. The station is identical with that of "Pochamagutt" of Colonel Lambton's triangulation of 1814, the mark of which was found and adopted. It is in the lands of the village of Pöchamagat, taluk Koyalkönda, district Gulbarga.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry 3·08 feet high and 3½ feet in diameter, which contains two mark-stones, one imbedded in the upper surface of the pillar and the other 3·08 feet below it. Colonel Lambton's station was found in good preservation, it was about 8 feet in diameter with a hole in the centre to hold the signal pole for observations: below, on a level with the hill surface, a large mark-stone was found and which has been adopted as the lower mark-stone of the present station. The azimuth and distance of Kusmasamudram village are 113°, miles 1·3.

X. Ganapur Hill Station, lat. 17° 20', long. 77° 29'—observed at in 1872—is situated on a stony hillock about a mile E. of the village of Burgapalle and the same distance nearly S. of that of Ganapur, the former being the nearest village; it is nearly a mile E. from the left bank of the Matmarri river, and is in the lands of the village of Ganapur, taluk Köttapalle, district Gulbarga.

The station consists of a platform of stones and earth 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3 feet high and 3½ feet in diameter, which contains two mark-stones, one imbedded in the upper surface of the pillar and the other 3·08 feet below it. The azimuths and distances of the circumjacent villages are:—Sateraisal 18°, miles 2·0; Niddagunda 32°, miles 4·9; Burra Sungum 232°, miles 2·2; and Kurmkot 321°, miles 3·3.

XI. Nēlagat Hill Station, lat. 17° 3', long. 77° 31'—observed at in 1871—is situated on a low hill rising 240 feet above its base and lying about a mile S.W. of the village of Rabbanpalle, and 3½ miles S. of the road connecting Kodangal, Ráichur, Hudági and Shedam. It is in the lands of the village of Nēlagat, taluk Gurmatkál, district Gulbarga.

The station consists of a platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry 4·56 feet high and 3½ feet in diameter, the pillar has a foundation of 1 foot and contains two mark-stones, one imbedded in the foundation and the other 4·90 feet above it in the upper surface of the pillar. The azimuths and distances of the adjacent villages are:—Narapalle 80°, mile 1·0, Kandanráyanhalli 128°, miles 2; Anantapur 188°, miles 1·2; Kastúrpalle 240°, miles 1·8; Inelanúr 251°, miles 2·7; Kötúrga 339°, miles 1·5; and Chandrákalle 290°, miles 2·7.

XII. Hudági Station, lat. 17° 9', long. 77° 17'—observed at in 1871—is situated in a field close to the cart track from the village of Hudági to Shedam, a large town with tehsildár's treasury &c., which lies 4½ miles to E.N.E. The station is in the lands of the village of Hudági, taluk Yádgiri, district Gulbarga.

The station consists of a platform 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3·04 feet high and 3½ feet in diameter, which contains two mark-stones, one imbedded in the foundation, and the other in the upper surface of the pillar. The azimuths and distances of the circumjacent villages are:—Hudági 56°, miles 1·6; Hanganhalli 96°, miles 2·8; Mulkhed 117°, miles 5·5; and Bomanhalli 187°, miles 4·5.

XIII. Impagat Hill Station, lat. 16° 43', long. 77° 42'—observed at in 1871—is situated on the highest of a conspicuous range of hills rising to a height of 580 feet and lying between the large village of Utkúr and the town of Koyalkönda, about 10 miles E.N.E. of the former and 9½ miles W.S.W. of the latter, and 8½ miles N. of Yéllagondla on the high road from Ráichur to Hyderabad. The country around is rough and hilly and covered with jungle: the approach to the station is from the north *viá* Köttakönda and Tirlapur villages. The station is identical with that of "Inpahgutt" of Colonel Lambton's triangulation of 1814, the mark of which was found engraved on the rock and adopted. It is in the lands of the village of Tirmalapur, taluk Koyalkönda, district Gulbarga.

The station consists of the usual platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry 3 feet high and 3½ feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar, and the other below, which was found engraved on the rock *in situ*. The directions and distances of the circumjacent villages are:—Tirlapur N., miles 2½; Charlapalle E.N.E., miles 4; Köttakönda N., miles 3; Dönvada S., miles 4½; and Náráyanpet W. by N., miles 11.

XIV. Pírlagat Hill Station, lat. 16° 52', long. 77° 21'—observed at in 1871—is situated on the highest and most conspicuous hill on the table-land lying north of the valley of the Kistna, about 7 miles north from the foot of the hills bounding the valley. The hill is flat-topped and studded with trees, and rises some 310 feet above its base on the table-land. The hill derives its name from two Muhammadan tombs on one of its slopes. The station is in the lands of the village of Yédalapuram, taluk Chittapur, district Gulbarga.

The station consists of a platform of stones and earth 14 feet square, enclosing a solid, circular and isolated pillar of

masonry 3 feet high and  $3\frac{1}{2}$  feet in diameter, which contains two mark-stones, one imbedded in the foundation, and level with the hill top, and the other in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Yēdalapuram N. by E., miles  $1\frac{1}{2}$ ; Kōttaraggi N.E., miles  $2\frac{1}{2}$ ; Sirpur N.W., miles  $2\frac{1}{2}$ ; and Melakal E., miles  $5\frac{1}{2}$ .

XV. Kōttapalle Hill Station, lat.  $16^{\circ} 28'$ , long.  $77^{\circ} 25'$ —observed at in March and November 1871—is situated on a small hill, about 6 miles N. of the Kistna river, and 3 miles in the same direction of the well-known place called Gudabellūr. The hill rises to a height of 350 feet, and is best approached by a cart track from the Kālachabutra ghāt on the Kistna river *viā* Indapur, Kūnshi and Kōttapalle villages. The station is identical with that of “Kotapilly” of Colonel Lambton’s triangulation, the mark of which was found engraved on the rock thus  $\odot$  <sup>1813</sup> <sub>D. 27</sub>, which has been adopted as the lower mark of the present station. It is in the lands of the village of Kōttapalle, tāluk Makhtal, district Nagad Karnul.

The station consists of a platform of stones and earth 14 feet by 11 feet, enclosing a solid, circular and isolated pillar of masonry 3 feet high and  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 3 feet below it, which was found engraved on the rock *in situ*. When visited in November 1871, the station was found in a state of perfect preservation. When again visited by the Levelling Party, in 1879-80, the station was found intact. The azimuths and distances of the circumjacent villages are:—Kōttapalle  $184^{\circ}$ , mile 0·9; Kandōddi  $325^{\circ}$ , mile 0·8; Indarpur  $30^{\circ}$ , miles 3·5; Kūnshi  $46^{\circ}$ , miles 2·0; and Bomraldōddi  $141^{\circ}$ , miles 1·8.

XVI. Darūr Hill Station, lat.  $16^{\circ} 14'$ , long.  $77^{\circ} 42'$ —observed at in 1871—is situated on the rocky summit of an isolated hill in the Rāichur doāb, rising to a height of 540 feet: it lies 8 miles south of the Kistna river, and the same distance west of Gadvāl. The station is identical with that of “Darroor” of Colonel Lambton’s triangulation of 1813, the circle and dot of which was found engraved on the rock and adopted as the lower mark of the present station. It is in the lands of the village of Darūr, tāluk and district Rāichur.

The station consists of the usual platform 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3 feet high, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 4·42 feet below it which was found engraved on the rock *in situ*. The azimuths and distances of the circumjacent villages are:—Malenupuram  $231^{\circ}$ , miles 2·2; Darūr  $260^{\circ}$ , miles 2·1; Dasarapalle  $295^{\circ}$ , miles 2·0; Marlubidu  $355^{\circ}$ , mile 1·0; and Reallampād  $357^{\circ}$ , miles 1·3.

XVII. Naikal Hill Station, lat.  $16^{\circ} 43'$ , long.  $77^{\circ} 7'$ —observed at in 1871—is situated on an isolated hill locally called Gūrbasapa, about 400 feet in height, lying some two miles S.W. from the Naikal ferry over the Bhīma river, 15 miles E. by N. of Shāhpur, and  $5\frac{1}{2}$  miles S.W. by W. of Yādgi. There is a similarly shaped rocky hill called Parmanan about  $\frac{3}{4}$  of a mile to the W., at the foot of which lies the village of Naikal. It is in the lands of the village of Naikal, tāluk and district Shorapur.

The station consists of a platform of stones and earth 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3·17 feet high and  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other below it engraved on the rock *in situ*. When visited by the Levelling Party, in 1879-80, the station was found intact. The directions and distances of the circumjacent villages are:—Gursanji E. by S., miles 1·7; Khānpur W. by S., miles  $3\frac{1}{2}$ ; Tumkūr N.N.E., miles  $3\frac{1}{2}$ ; Hulekal S.E., miles  $2\frac{1}{2}$ ; and Kurakundi S. by W., miles  $5\frac{1}{2}$ .

XVIII. Chintalikunta Hill Station, lat.  $16^{\circ} 21'$ , long.  $77^{\circ} 2'$ —observed at in 1871—is situated on a low hill about 350 feet high, which lies  $\frac{3}{4}$  of a mile W. of the village of the same name and close south of the road connecting the towns of Mosulukal and Arakeri, about  $2\frac{1}{2}$  miles S.S.W. from the former and  $5\frac{1}{2}$  miles N.E. by N. from the latter. The station is 7 yards E. of a temple, and is approached by a cart track from Kakarkal *viā* the village of Chintalikunta. It is in the lands of the village of Chintalikunta, tāluk Devadrug, district Rāichur.

The station consists of a platform of stones and earth 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3 feet high and  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other below it engraved on the rock *in situ*. The azimuths and distances of the circumjacent villages are:—Aludurti  $308^{\circ}$ , miles 4; Hunugundabad  $327^{\circ}$ , miles 4; Mustūr  $331^{\circ}$ , miles 2·4; and Tegehal  $139^{\circ}$ , miles 1·7.

XIX. Maliabad Hill Station, lat.  $16^{\circ} 8'$ , long.  $77^{\circ} 24'$ —observed at in 1871—is situated on the most southerly but one of a range of low hills lying about 4 miles S. of Rāichur, and  $2\frac{1}{2}$  miles W. of the high road from Rāichur to Bellary (Ballāri). The top of the hill, which attains a height of 540 feet, is composed of boulders of various sizes, mostly small and confusedly heaped together, and is entirely devoid of all vegetation from 150 feet below the summit. The station is identical with that of “Malliabad” of Colonel Lambton’s triangulation of 1813, the circle and dot of which was found engraved on the rock *in situ* and adopted as the lower mark of the present station. It is in the lands of the village of Maliabad, tāluk and district Rāichur.

The station consists of a platform of stones and earth about 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3 feet high and  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other below it which was found engraved on the rock *in situ*. The azimuths and distances of the adjacent places are:—Maliabad 210°, mile 1; Kamlápúram 348°, miles 1·9; Udangal and Khánápúram 35°, miles 1·6; Jálíbenchi 70°, miles 1·8; Nellupur 98°, miles 3·9; Assapuram 111°, miles 2·0; and Ráichur Railway Station 165°, miles 4·2.

XX. Jánikálu Hill Station, lat. 16° 1', long. 77° 0'—observed at in 1871—is situated on one of a group of low hills lying immediately N.E. of the village of that name, and rising to a height of about 250 feet: it lies about a mile S. of the road connecting the large villages of Mánvi (Bhanúr) and Sivital,  $6\frac{1}{2}$  miles W.N.W. of the former and  $12\frac{1}{2}$  miles S.E. by E. of the latter. The station is built about 5 yards S. of a stone pillar, on large irregular boulders which form the top of the hill. It is in the lands of the village of Jánikálu, táluk and district Ráichur.

The station consists of a platform of stones and earth about 14 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet high and  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other below it engraved on the rock *in situ*. The azimuths and distances of the circumjacent villages are:—Gavigat 175°, miles 2·0; Hatiduhál 199°, miles 1·8; Amravati 352°, miles 1·1; and Jánikálu 48°, at foot of hill.

XXI. Kére Bèlagal Hill Station, lat. 15° 49', long. 77° 43'—observed at in 1871—is situated on the top of a small, narrow, rugged hill of white marble rising to a height of 370 feet, and lying immediately to the N.E. of the large tank called Kére Bèlagal from which the town takes its name, and about  $4\frac{1}{2}$  miles S. of the Tungabhadra river. The station is identical with that of "Kerra Bellagull" of Colonel Lambton's triangulation of 1813, and is in the lands of the village of Bèlagal, táluk Pattikõnda, district Kurnool (Karnúl).

The station consists of a platform of stones and earth about 14 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 3 feet below it engraved on the rock *in situ*. Colonel Lambton's station which was denoted by a mark on the rock was not found, its site was merely indicated by a little earth, on the presumed centre of which the present station has been built. The azimuths and distances of the circumjacent villages are:—Kére Bèlagal 119°, mile 0·8; Baramdõddi 352°, miles 1·8; Krishnadõddi 325°, mile 0·7; Pèdda Naltúr 8°, miles 3·7; Goldõddi 39°, miles 1·7; and Polkal 254°, miles 4·3.

XXII. Ádoni Hill Station, lat. 15° 39', long. 77° 19'—observed at in 1871—is situated in the centre of a round stone building on the chief rock of the fort, a few yards N. of the powder magazine, and N.W. of the large tank in the hollow outside the fort. The hill is some 550 feet high and lies immediately N. of the high road from Ráichur to Bellary. The country around is wild and rocky, and there are no villages close to the station. It is in the lands of the village of Adoni, táluk Ádoni, district Bellary.

The station consists of a circular platform of stones and earth 15 feet in diameter, enclosing a solid, circular and isolated pillar of masonry 3·02 feet high and  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other on a large stone below. When visited in 1871, "An old mark was found about 4 inches in diameter and  $4\frac{1}{2}$  inches in depth cut on a huge stone about 2 feet square at top and 5 feet long, imbedded in the centre of the building. This mark was carefully plumbed over and a new mark-stone placed in the normal of the old which was found afterwards not to be that of "Adoni Droog" station of Colonel Lambton's triangulation." When visited by the Levelling Party, in 1880-81, the station was found intact. The directions and distances of the following places are:—Santakudlúr W., miles 9; Nangnatanhalli S.W. by S., miles  $7\frac{1}{2}$ ; Ádoni S., mile 1; and Kotakal E.N.E., miles 8.

XXIII. Pulikõnda Hill Station, lat. 15° 28', long. 77° 38'—observed at in 1871—is situated on a hill lying about  $5\frac{1}{2}$  miles S.E. by E. of the large village of Devanakõnda nearly  $1\frac{1}{2}$  miles S.E. of the high road from Bellary to Kurnool. The station is identical with that of "Poolycondah" of Colonel Lambton's triangulation of 1813, and is in the lands of the village of Pulikõnda, táluk Pattikõnda, district Kurnool.

Colonel Lambton's station consisting of a square platform of stones and earth  $11\frac{1}{2}$  feet high with the usual mark deeply engraved on a large stone in the centre, was found in good preservation. This was adopted and over it a solid, circular and isolated pillar of masonry was built in which two mark-stones are inserted at 3·25 feet and 5·08 feet respectively above Colonel Lambton's mark. The platform was raised to the same height as the central pillar, making its entire height  $16\frac{1}{2}$  feet above the ground level. The directions and distances of the circumjacent villages are:—Nalla Chelimala S.E. by S., miles 2; Pandikõnda S.W., miles  $2\frac{3}{4}$ ; Pulikõnda W., miles  $1\frac{1}{2}$ ; Gandlakõnda E. by N., miles  $3\frac{1}{2}$ ; Tippatalimari N.W. by N., miles  $1\frac{3}{4}$ ; and Nelatalamari N., miles  $1\frac{3}{4}$ .

XXIV. Katõmõráj Hill Station, lat. 15° 25', long. 78° 1'—observed at in 1871—is situated on a range of flat-topped hills some 680 feet in height, lying about 6 miles E. of Udampád village, a stage on the high road from Gooty (Gutti) to Kurnool, and 10 miles south of the táluk town of Rámallakot. The ascent to the station, which is easy, is first from the N. side, by a roughly paved road, and then by a cleared path on the S.W. side of the hill. It is in the lands of the village of Kamaganiguntla, táluk Rámallakot, district Kurnool.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry 3 feet high, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 3 feet below it on a large stone imbedded in the hill. The directions and distances of the circumjacent villages are:—Alladöddi N.W. by N., miles 1½; Ulchërla S., miles 2½; Govardhangiri N. by W., miles 3; and Srirangapuram N.N.E., miles 2.

XXV. Gooty Hill Station, lat. 15° 7', long. 77° 42'—observed at in 1871—is situated on the highest tower of the hill fortress of Gooty drug on the North-West Line of the Madras Railway. The station is about 850 feet above the surrounding country. The well-known town of Gooty lies at the E.S.E. foot of the hill. The station is identical with that of "Gooty" of Colonel Lambton's triangulation of 1811, and is in the lands of the village of Gooty, táluk Gooty, district Anantapur.

The station consists of a platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains two mark-stones, the lower firmly fixed flush with the surface of the tower and the other 3·04 feet above it imbedded in the upper surface of the pillar. No old mark was found but a hollow in the centre of the tower showed the spot where the flagstaff which marked Colonel Lambton's station had once stood: in the centre of this hollow the lower mark of the present station has been imbedded. When visited by the Levelling Party, in 1880-81, the station was found intact. The azimuths and distances of the circumjacent places are:—Anantapur 5°, miles 2·2; Turkapilli 50°, miles 1·7; Namthabad 76°, miles 2·2; Gooty Railway Station 146°, miles 2·8; Basanapalli 144°, miles 4·0; Vannadöddi 212°, miles 2·1; Kóttapet 260°, at foot of hill; and Engilibanda 287°, miles 2·1.

XXVI. Gadëkal Hill Station, lat. 15° 7', long. 77° 17'—observed at in 1871—is situated on a hill rising 375 feet above the level of the surrounding country, a little to the north of the high road from Gooty to Bellary, and 22 miles from the latter place. The station is east of the temple on the centre of the roof of which was Colonel Lambton's station of "Guddacul", the mark-stone of which was found carefully preserved but had been removed several times to allow of the roof of the temple being repaired. The railway to Bellary runs about 2 miles north of the hill, the station of Virapur being the nearest to it. The station is in the lands of the village of Gadëkal, táluk Gooty, district Anantapur.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 3·02 feet below it on the rock *in situ*. The upper mark is 11·50 feet from the N.W. corner of the base of a large pillar, 28·17 feet from the N.E. corner of smaller broken pillar in front of the temple, and 23·58 feet from the first broken step of those leading to the top of the temple. The azimuths and distances of the circumjacent villages are:—Yëllapmadugu 26°, miles 5·8; Vidapanakal 40°, miles 5½; Kokarsiru 145°, miles 7·0; Sidaraparu 153°, miles 3·6; Dejalapari 176°, miles 3·8; Gummanúr 179°, miles 2·5; Kadjipuram 238°, miles 2·8; Sunmapuram 328°, miles 3·8; and Gadëkal 312°, at foot of hill.

XXVII. Udarpidurga Hill Station, lat. 14° 50', long. 77° 23'—observed at in 1871—is situated on a small hill fort about 400 feet above the plain, on the metalled road from Anantapur to Bellary, and 23 miles from the latter. It is about 10 yards S.E. of an old temple in the centre of a square mass of earth and stones with a flight of steps leading to it. The village of Udarpi is at the S. foot of the hill from whence there is a road to the station. The station is identical with that of "Ooderpee Droog" of Colonel Lambton's triangulation of 1811, and is in the lands of the village of Udarpikönda, táluk Gooty, district Anantapur.

The station consists of the usual platform 14 feet square, enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter and 4·96 feet high with 2½ feet foundation, which contains three mark-stones, one in the foundation, another 2·71 feet above it, and the third on the surface of the pillar. The azimuths and distances of the circumjacent villages are:—Kalgandla 276°, miles 5; Rámapuram 214°, miles 3½; Rachërla 153°, miles 3½; Pënnahobulam (pagoda) 127°, miles 3½; and Jallipalli 352°, miles 2.

XXVIII. Devarakönda Hill Station, lat. 14° 40', long. 77° 41'—observed at in 1870 and 1871—is on a peak of a rugged-topped hill which rises about 670 feet above the surrounding country, and derives its name from a temple on the north side. It lies 3 miles due east from the táluk town of Anantapur, being separated from it by a large tank, and about ½ a mile S. of the high road leading to Anantapur. It is in the lands of the village of Bukráyasamudram, táluk and district Anantapur.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains two marks, the lower engraved on the rock *in situ* and the upper 3·14 feet above it on a stone imbedded in the upper surface of the pillar. Colonel Lambton's station of "Davurcondah" is supposed to have been on the highest point of the hill, on some boulders which did not afford room for a platform for the new station. Its site is marked by a stone pillar erected for burning a light in honor of some deity: this pillar is at an azimuth of 215° 46', distant 59·3 feet from the present station. The azimuths and distances of the circumjacent villages are:—Bukráyasamudram 138°, miles 1·6; Uparlapilli 30°, miles 1·8; Kóttapilli 333°, miles 1·2; and Sidrapur 270°, miles 1·1.

XXIX. Hönnúr Hill Station, lat. 14° 55', long. 77° 8'—observed at in January 1871—is situated on a smoothly sloped but excessively stony hill, near its eastern and higher end but not quite on the highest part

which is due east some 33 yards and occupied as a site of worship. The station is about a mile N.N.W. of the Hönnúr Dák Bungalow on the old road from Bellary to Bangalore, being about 20 miles S. of the former. It is in the lands of the village of Hönnúr, táluk Ráyadrug, district Bellary.

The station consists of a platform of earth and stones 14 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter and 3 feet high with 1 foot foundation. There are three mark-stones, one in the foundation, the second 0·88 of a foot above it, and the third in the upper surface of the pillar. The station was also visited in March 1871 for latitude observations. It was again visited by the Levelling Party, in 1874-75, but no mention is made as to the condition of the station. The azimuths and distances of the circumjacent villages are:—Hönnúr 41°, miles 1·3; Hönnalli 293°, miles 1·2; Govindavaru 105°, miles 2; and Kóttapalli 190°, miles 2.

XXX. Devádēlabētta Hill Station, lat. 14° 34', long. 77° 10'—observed at in 1870—is situated on the most northerly of a small range of rocky hills, about  $1\frac{3}{4}$  miles east of the town of Kalyándrug. The ascent is from Kalyándrug by the village of Devádēlabētta which lies to the south of the hill on a rocky neck joining the main hill with a smaller one to the south. The station is on a large boulder on the N.E. corner of the hill and is 660 feet above the plain. Colonel Lambton's station on the same hill was not identified, it was probably on some high boulders on the west side which were too small and difficult of access. The station is in the lands of the village of Devádēlabētta, division Pēnukōnda, táluk Dharmavaram, district Anantapur.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 1·13 feet above it on a stone imbedded in the upper surface of the pillar. The azimuths and distances of the circumjacent villages are:—Chapri 172°, miles 2·7; Baurampalli 236°, miles 2·9; Mudigul 292°, miles 2·2; Kalyándrug 56°, miles 1·6; Governapalli 127°, miles 2·4; and Dōddagatta 142°, miles 1·2.

XXXI. Kōndapalli Hill Station, lat. 14° 32', long. 77° 27'—observed at in 1870—is on the highest point of a peaked hill running N. and S. and rising 670 feet above the plain. The station is identical with that of "Condapilly" of Colonel Lambton's triangulation of 1811, the mark of which was found faintly cut on the rock surrounded by a worn away platform about 6 inches high. This mark was improved and adopted for the lower mark of the present station: it is 11 feet S. of a stone pillar and 59 feet E. of a tomb-like structure constructed by the Amaldár of Dharmavaram. The approach to the station can be made either from Nutimadugu or Togargunta on the main road from Kalyándrug to Dharmavaram. The station is in the lands of Kōndapalli, the hamlet of Tumchērla village, táluk Dharmavaram, district Anantapur.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 3·18 feet above it on a stone imbedded in the upper surface of the pillar. The azimuths and distances of the circumjacent villages are:—Kōndapalli 134°, mile 1·0; Tumchērla 262°, miles 2·5; Guntapilli 316°, miles 2·1; Togargunta 308°, miles 3·9; Bánkota 30°, miles 4·6; and Vaipchērla 208°, miles 2·7.

XXXII. Urakōnda Hill Station, lat. 14° 16', long. 77° 39'—observed at in April 1870 and December 1870—is situated on the western and highest part of a flat-topped hill called Urakōnda lying  $1\frac{1}{4}$  miles W. of the high road connecting the towns of Pēnukōnda and Dharmavaram, about 13 miles from each. The station is about 750 feet above the level of the high road, and is identical with that of "Ooracondah" of Colonel Lambton's triangulation of 1811, the mark of which was found engraved on the rock *in situ* and adopted as the lower mark of the present station. It is in the lands of the village of Namaddala, táluk Dharmavaram, district Anantapur.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 3·08 feet above it on a stone imbedded in the upper surface of the pillar. When visited in December 1870, the station was found in good preservation and the upper mark intact, and no alteration was made. The azimuths and distances of the circumjacent villages are:—Namaddala 84°, miles 1·4; Chinna Kóttapalli 242°, miles 1·6; and Chinna-panainpolla 136°, miles  $2\frac{1}{4}$ .

XXXIII. Pávagada (Paugarh) Hill Station, lat. 14° 6', long. 77° 19'—observed at in April 1870 and December 1870—is situated in the Sultan's battery, the large, fortified, circular rock in the centre of the drug or hill fort immediately overlooking the town of Pávagada on the high road from Bellary to Maddagiri. The station is on the top of a square mass of paka masonry, where the flag-staff stood, and is identical with that of "Paughur" of Colonel Lambton's triangulation of 1811, which was found in perfect preservation. The station is 960 feet above the high road. It is in the lands of the village of Pávagada, táluk Pávagada, district Túnkúr.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, the lower (Colonel Lambton's) on a huge stone imbedded in the surface of a square mass of masonry  $6\frac{1}{2}$  feet high, and the upper 3·27 feet above it on a stone imbedded in the upper surface of the pillar. The platform is of solid masonry for  $4\frac{1}{2}$  feet round the pillar and 10 feet high. When visited in December 1870 no alteration was made. The directions and distances of the circumjacent villages are:—Bamatanhalli N.W. by W., miles  $1\frac{1}{2}$ ; Rapam E. by N., mile 1; Timmapur N.E. by N., miles 2; and Nálighanhalli W. by S., miles 3.

**XXXIV.** Yërrakönda Hill Station, lat.  $13^{\circ} 55'$ , long.  $77^{\circ} 42'$ —observed at in 1870—is situated on the highest of a group of low hills about 3 miles west of the main road from Gooty to Bangalore (Bëngalür), 10 miles N.W. by W. of Kudikönda, and 13 miles S.S.E. of Pënukönda. The station is identical with that of “Yerracöndah” of Colonel Lambton’s triangulation, the platform and mark-stone of which were found in good preservation. It is in the lands of the village of Vádigipalli, táluk Hindupur, district Anantapur.

The station consists of a platform (the lower portion of which was part of Colonel Lambton’s station) enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter and 3.02 feet high, which contains two marks, one engraved on the rock *in situ* and the other on a stone imbedded in the upper surface of the pillar: the marks were placed in the normal of the mark found on the platform of Colonel Lambton’s station. The directions and distances of the circumjacent villages are:—Vádigipalli N.E. by E., miles 4; Palgarpalli E.N.E., miles  $2\frac{1}{2}$ ; Rëddi Sarupalli E.S.E., miles  $1\frac{1}{2}$ ; and Sarupalli S., miles 2.

**XXXV.** Innáglúr Hill Station, lat.  $14^{\circ} 2'$ , long.  $78^{\circ} 7'$ —observed at in 1870—is on a rock on the western side of the Innáglúr hill which is about 2 miles E. by S. of the village of that name. Colonel Lambton’s station of “Innagaloor” is on the summit of the hill about 140 feet above the present station, but could not be used as it was found impossible to build a station for the large theodolite on the summit. The ascent to the station is from the village of Medimákulapalli. The station is 970 feet above the plain, and is in the lands of the village of Innáglúr, táluk Kadiri, district Cuddapah (Kadapa).

The station consists of a platform of stones 14 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 3 feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Tummalakuntlapalli S.S.W., miles  $2\frac{1}{2}$ ; Muhammadabad S.W., miles  $6\frac{1}{2}$ ; and the large village of Tummala S., miles  $7\frac{1}{2}$ .

**XXXVI.** Ambájidurga Hill Station, lat.  $13^{\circ} 24'$ , long.  $78^{\circ} 4'$ —observed at in 1870—is on a hill of that name in the innermost enclosure of the old fort about  $2\frac{1}{2}$  miles W.S.W. of the town of Chintámani on the main road leading to Chikballapur. The station is 1410 feet above the level of the road at the foot of the hill, and is in the lands of the village of Upparpet, táluk Chintámani, district Kolár.

The station consists of a platform of stones 14 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 3 feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Upparpet N.W. by W., mile 1; Ráypalli N.W. by N., miles  $1\frac{1}{2}$ ; Náyinhalli N.N.E., miles 2; Kónapalli N.N.E., miles  $1\frac{1}{2}$ ; and Dödhalli S.E. by S., miles 2.

**XXXVII.** Dödnírmanga Hill Station, lat.  $13^{\circ} 36'$ , long.  $77^{\circ} 11'$ —observed at in 1870—is situated on a high flat-topped hill rising 1460 feet above the level of the country, about 6 miles S.W. of Maddagiri on the high road to the town of Síra. The station is about 45 paces north of a huge boulder 25 feet high. The ascent is from the village of Timlapur by a small hamlet which lies midway. It is in the lands of the village of Kavanadál, táluk Maddagiri, district Túmkúr.

The station consists of a platform of stones 14 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 3 feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Timlapur N.N.W., miles  $3\frac{1}{2}$ ; Neglál S., miles  $1\frac{1}{2}$ ; and Kavanadál N.W. by W., miles 3.

**XXXVIII.** Mákalidurga Hill Station, lat.  $13^{\circ} 26'$ , long.  $77^{\circ} 33'$ —observed at in 1870—is situated on the northern summit of the hill of the same name, the drug or fort itself being on the southern and slightly higher summit. The station is about a mile W. of the high road from Dödballapur to Hindupur,  $9\frac{1}{2}$  miles N. by W. of the former and  $8\frac{1}{2}$  miles S.W. by W. of Manchënhalli. The station is 1050 feet above the level of the high road, and is in the lands of the village of Mákali, táluk Dödballapur, district Bangalore.

The station consists of a platform of stones 14 feet square, enclosing a solid, circular and isolated pillar of masonry 5.27 feet high and  $3\frac{1}{2}$  feet in diameter, which contains three marks, the lowest engraved on the rock *in situ*, the second 3.10 feet above it and the third on a stone imbedded in the upper surface of the pillar. The directions and distances of the adjacent villages are:—Tippaganhalli and Bandarahalli E.N.E., miles  $1\frac{1}{2}$  and 2 respectively.

**XXXIX.** Halasúrbëtta Hill Station, lat.  $13^{\circ} 10'$ , long.  $77^{\circ} 40'$ —observed at in 1866, 1867 and 1870—is situated on the top of the singular, solid mass of rock about  $\frac{1}{2}$  a mile west of the main road from Bangalore to Nundydroog (Nandidurga), and the same distance N.N.W. of the 13th milestone from the former. It is identical with the station of “Allasoor” of Colonel Lambton’s triangulation, the circle and dot mark of which was found engraved on the rock and adopted as the lower mark of the present station. The hill is of solid rock, and about 350 feet above the level of the adjacent ground. The station is in the lands of the village of Halasúr, táluk Devanhalli, district Bangalore.

The station as built in 1886 consisted of a platform of stones and earth 10 feet square, enclosing a solid, circular and isolated pillar of masonry 2 feet high, which contains two marks, one engraved on the rock *in situ* and the other on a stone imbedded in the upper surface of the pillar. When visited in 1867 no change appears to have been made: in 1870 the station was found in good preservation and the platform was increased to 16 feet square. The directions and distances of the circumjacent villages are:—Halasúr W., mile  $\frac{3}{4}$ ; Chikjála (on the high road) N.E. by E., miles  $1\frac{1}{4}$ ; Binmangala S.E. by E., miles  $1\frac{1}{4}$ ; Hunsmáranhalli S., miles  $1\frac{1}{4}$ ; Sonappanhalli S.S.W., mile  $\frac{3}{4}$ ; and Bainhalli N., miles  $1\frac{1}{4}$ .

**XL. Rámadevarabëtta Hill Station**, lat.  $13^{\circ} 19'$ , long.  $77^{\circ} 12'$ —observed at in 1867 and 1870—is situated on a great boulder, the highest but one (the highest being inaccessible) on the summit of the well-known hill called Rámadevarabëtta (*i.e.* hill of the god Ráma) about 4 miles E.S.E. of the Civil Station of Túmkúr. The hill is tolerably flat on the top and rises about 1150 feet above the plain lying between it and the road from Bangalore to Túmkúr. This hill was originally selected as a hot weather retreat by the residents of Túmkúr and a road was cut to its summit, but was abandoned in favor of another hill called Devaráyadurga, about 4 miles to the N.E. The station is in the lands of the village of Basavápatna, táluk and district Túmkúr.

The station consists of a platform of earth and stones 1 foot high and about 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on a stone imbedded in the upper surface of the pillar and the other below. When visited in 1870, the station was found in good preservation and no alteration in its construction was made. The directions and distances of the circumjacent villages are:—Kyatsamudra (on the main road from Túmkúr to Nēlamangala) S.W. by W., miles  $1\frac{1}{4}$ ; Maidála E.S.E., miles  $1\frac{1}{4}$ ; and Devaráyapatna W.N.W., miles  $1\frac{3}{4}$ .

**XLI. Savandurga Hill Station**, lat.  $12^{\circ} 55'$ , long.  $77^{\circ} 20'$ —observed at in 1867—is situated on the highest point of the stupendous mass of rocks forming the well-known hill after which the station has been named; it lies about  $2\frac{1}{2}$  miles S. of the road from Bangalore to Mágadi and 5 miles S.E. by E. of the latter place. The station is 40 feet north of a small temple, and is identical with that of “Savendroog” of Colonel Lambton’s triangulation, the remains of a platform and circle and dot mark on the rock *in situ* being found and adopted. The station is in the lands of the village of Karisavandurga near Basavana temple, táluk Mágadi, district Bangalore.

The station consists of a platform of earth and stones  $1\frac{1}{2}$  feet high and about 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other on a stone imbedded in the upper surface of the pillar. The directions and distances of the following villages are:—Vírapur E.S.E., miles 2; Nágamangala S.W. by W., miles 3; and Matta S., miles  $2\frac{1}{4}$ .

**XLII. Bannergatta Hill Station**, lat.  $12^{\circ} 49'$ , long.  $77^{\circ} 37'$ —observed at in 1866 and February and November 1867—is situated on a small rocky hill. This station is identical with that of “Bonnairegottah” of Colonel Lambton’s triangulation, the central pillar and mark and the remains of the platform of which were found and adopted. It lies about a mile W. of the 13th milestone on the road from Bangalore to Ánēkal, and 10 miles S. of the fort and town of Bangalore. The station is in the lands of the village of Bannergatta, táluk Ánēkal, district Bangalore.

The station consists of a platform of stones and earth 2 feet high, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains most probably two marks, although no mention of any is made in the original records. When visited in 1867 it is presumed from the absence of any remarks in the original records that the station was found in good order and that no alteration in its construction was made. The directions and distances of the circumjacent villages are:—Battanhalli W., miles  $1\frac{3}{4}$ ; Kariappanhalli S.E. by S., mile  $\frac{1}{2}$ ; Bairappanhalli S.E. by S., mile  $\frac{3}{4}$ ; Kēmpnáyakanhalli E.N.E., mile  $\frac{3}{4}$ ; and Jigani (on the high road) E.S.E., miles  $4\frac{1}{4}$ .

**XLIII. Rangaswámibëtta Hill Station**, lat.  $13^{\circ} 1'$ , long.  $77^{\circ} 1'$ —observed at in 1867 and 1868—is situated on the summit of the highest of a group of four or five small semi-detached rounded hills, about  $3\frac{3}{4}$  miles W. of the town of Kunigal on the high road from Maddúr to Túmkúr. The station has been named from a well-known temple which stands on another hill of the same group about  $\frac{3}{4}$  of a mile to the north. It is in the lands of the village of Gunágarh, táluk Kunigal, district Túmkúr.

The station consists of a platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two mark-stones, one in the upper surface of the pillar and the other 1'90 feet below it. When visited in 1868, it is presumed from the absence of any remarks in the original records that the station was found in good order and that no alteration in its construction was made. When again visited by the Levelling Party, in 1888-89, the station was found in good order. The directions and distances of the circumjacent villages are:—Nidemávinhalli S.S.W., miles  $1\frac{1}{4}$ ; Chitanhalli S.E. by S., miles 2; Dásanpur N., miles  $1\frac{3}{4}$ ; and Bōmmadgēre N.N.W., miles  $1\frac{1}{2}$ .

**XLIV. Hemagiri Hill Station**, lat.  $12^{\circ} 49'$ , long.  $77^{\circ} 5'$ —observed at in 1867 and 1868—is situated on the summit of a rocky hill rising about 500 feet above the plain, about a mile S.E. of the large village of Huliýúrdurga on the high road from Kunigal to Maddúr and  $5\frac{3}{4}$  and  $9\frac{3}{4}$  miles respectively N.E. by N. of the large villages of Hébbal and Kōppa. The station is in the lands of the village of Huliýúrdurga, táluk Kunigal, district Túmkúr.

The station consists of a platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two mark-stones, one in the upper surface of the pillar and the other 2·88 feet below it. When visited in 1868, it is presumed from the absence of any remarks in the original records that the station was found in good order and that no alteration in its construction was made. The directions and distances of the circumjacent villages are:—Ködavatti W.S.W., miles  $4\frac{1}{4}$ ; Nidsále S. by E., miles 3; and Bandihalli S.W. by S., miles  $3\frac{1}{4}$ .

**XLV.** Bánatimaribëtta Hill Station, lat.  $12^{\circ} 34'$ , long.  $77^{\circ} 25'$ —observed at in 1867—is situated on the highest point of a lofty hill, about 3 miles W.N.W. of the táluk town of Kánkánhalli on the high road from Bangalore to Malvalli: the station is ascended from the east side by a long but generally easy road cut through the jungle up a deep gorge, which traverses the hill from east to west. It is in the lands of the village of Kotkonhalli, táluk Kánkánhalli, district Bangalore.

The station consists of a platform of stones and earth 2 feet high, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which most probably contains two mark-stones, although no mention of any is made in the original records. The directions and distances of the circumjacent villages are:—Tungáni N.E. by E., miles  $3\frac{1}{4}$ ; Murkani W. by N., miles  $2\frac{1}{4}$ ; and Shivanhalli S.S.E., miles  $3\frac{1}{4}$ .

**XLVI.** Tirthapalli Hill Station, lat.  $13^{\circ} 2'$ , long.  $77^{\circ} 56'$ —observed at in 1866 and 1868—also called Kávarálagutta, is on the summit of a small isolated hill about  $\frac{1}{4}$  of a mile N. of the road from Höskote to Málúr, and 4 miles N.W. by W. of the latter town. The station is identical with that of “Tirtapilly” of Colonel Lambton’s triangulation, and is in the lands of the village of Tirthalli, táluk Höskote, district Bangalore.

The station consists of a platform of stones and earth 2 feet high and about 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one cut on stone imbedded in the upper surface of the pillar and the other 2 feet below it. When visited in 1868, it is presumed from the absence of any remarks in the original records that the station was found in good order and that no alteration in its construction was made. When again visited by the Levelling Party, in 1884-85, the station was found in good preservation. The rectangular protecting pillar is hollow,  $2\frac{1}{2}$  feet square and  $3\frac{1}{2}$  feet high, and the cap-stone, bearing the cross lines, was found on the ground and evidently had never been fixed on the pillar as the surface was smoothly plastered. The directions and distances of the circumjacent villages are:—Tirthalli N.N.W., mile  $\frac{1}{2}$ ; Gangapur E., mile  $\frac{1}{2}$ ; Kattéganhalli S.S.W., miles  $1\frac{1}{4}$ ; Tapathalli N.W. by W., miles  $1\frac{1}{4}$ ; and Chiktagli N., mile  $\frac{3}{4}$ .

**XLVII.** Nandigudi Hill Station, lat.  $13^{\circ} 12'$ , long.  $77^{\circ} 56'$ —observed at in 1866—is situated on the summit of the hill immediately west of the village of that name but also known as Nandirájgutta. It lies about  $\frac{1}{2}$  a mile N.W. of the high road from Höskote to Ambájidurga, between the 27th and 28th milestones from the former. The station is in the lands of the village of Nandigudi, táluk Höskote, district Bangalore.

The station consists of a platform of stones and earth  $1\frac{1}{2}$  feet high, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which most probably contains two marks, although no mention of any is found in the records. The directions and distances of the circumjacent villages are:—Hindiginál (on the high road) N.E. by N., miles  $1\frac{3}{4}$ ; Itsandra N.W. by N., miles  $1\frac{1}{4}$ ; Tirthalli N., mile  $\frac{3}{4}$ ; Hallúr W.N.W., mile  $\frac{1}{2}$ ; and Choksandra S. by E., miles  $1\frac{1}{4}$ .

**XLVIII.** Kolár Hill Station, lat.  $13^{\circ} 9'$ , long.  $78^{\circ} 8'$ —observed at in 1866 and 1867—is situated on the highest of a group of hills (but not on its highest rock which was inaccessible), about  $2\frac{1}{2}$  miles W. of the town of Kolár, and  $\frac{3}{4}$  mile N.E. of the village of Páprághanhalli. The station is in the lands of the village of Páprághanhalli, táluk and district Kolár.

The station consists of a platform enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 2·8 feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Hogari N.E. by N., mile  $\frac{3}{4}$ ; Khadripur E. by S., miles  $1\frac{1}{4}$ ; and Gardanhalli W.N.W., miles  $1\frac{1}{4}$ .

**XLIX.** Bhúpatamma Hill Station, lat.  $13^{\circ} 0'$ , long.  $78^{\circ} 8'$ —observed at in 1866—is situated on the summit of the rocky hill of this name, also called Tyákal, about  $1\frac{3}{4}$  miles N.E. by E. of the Tyákal Railway Station,  $1\frac{1}{2}$  miles N.E. by N. of Tyákal village, and 10 miles S. by W. of the town of Kolár. The station is in the lands of the village of Ulerhalli, táluk Málúr, district Kolár.

The station consists of a platform enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 0·7 of a foot above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Metiganhalli S.E. by E., mile  $\frac{3}{4}$ ; Karmangala E. by N., miles  $2\frac{1}{4}$ ; Sulékunte N.E. by N., miles  $3\frac{1}{4}$ ; and Agara E., mile  $\frac{3}{4}$ .

**L.** Hösúr Hill Station, lat.  $12^{\circ} 44'$ , long.  $77^{\circ} 53'$ —observed at in 1866, 1867 and 1868—is situated on the northern summit of the hill on which the well-known temple of Chúdanáth Iswára Swámi stands, from the middle of the gopuram of which it is about 128 yards distant to the N. by E. The milestone marked 19 from Madras and 25 from Bangalore stands close to the N.E. foot of the hill, and the Bangalore and Salem



(Selam) road runs close by its western side. The station is in the lands of the village of Chēndavadi, táluk Hösúr, district Salem.

The station consists of a platform of stones and earth about 16 feet square and  $2\frac{1}{2}$  feet high, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains a mark-stone imbedded in the upper surface of the pillar. When visited in 1867 and 1868, it is presumed from the absence of any remarks in the original records that the station was found in good order and that no alteration in its construction was made. The directions and distances of the circumjacent places are:—Therpet W.N.W., mile  $\frac{1}{2}$ ; Chēnnatúr S.E., miles  $2\frac{1}{2}$ ; Hösúr town N.W., mile  $\frac{1}{2}$ ; Attipilli (on the high road) N.W. by W., miles  $5\frac{1}{2}$ ; and Mudagiri S.W. by S., miles 4.

LI. Turukungutta Hill Station, lat.  $12^{\circ} 59'$ , long.  $77^{\circ} 45'$ —observed at in 1867—is situated on the highest point of an elevated swell, hardly deserving the name of hill, but locally known as Turukungutta, 'the little hill of the Muhammadans,' from a legend that numbers of these people were in the habit of worshipping on the spot in times long gone by. It lies about  $3\frac{1}{2}$  miles W.S.W. of the Railway Station of Kádgodí,  $1\frac{1}{2}$  miles S. of the Railway line from Bangalore to Madras, and 7 miles E. of the station of Bangalore. The station is in the lands of the village of Död Nekundi, táluk and district Bangalore.

The station consists of a platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry 5 feet high and  $3\frac{1}{2}$  feet in diameter, which contains three marks, one engraved on the rock *in situ*, the second and third cut on stones 2.58 and 5.08 feet respectively above it. The directions and distances of the circumjacent villages are:—Död Nekundi W.S.W., miles  $1\frac{1}{2}$ ; Kundalhalli S.S.E., mile  $\frac{3}{4}$ ; Hudi N. by E., miles  $1\frac{1}{2}$ ; Nallúrhalli E.S.E., miles  $1\frac{1}{2}$ ; and Sonnenhalli N.E., mile  $\frac{1}{2}$ .

LII. Bangalore Base-line S.W. End, or Uialdinna Observatory Station, lat.  $13^{\circ} 1'$ , long.  $77^{\circ} 37'$ —observed at in 1867—is situated on the highest part of the undulating ground to the north of Bangalore Cantonment. An old square building of about 7 feet side, having a pyramidal roof resting on four stone pillars stands some 70 feet S.E. of the station. The station is in the lands of the village of Uyalkaval, táluk and district Bangalore.

The azimuths and distances of some of the circumjacent places are:—St. John's Church  $304^{\circ} 37'$ , miles 2.51; Scotch Kirk  $327^{\circ} 16'$ , miles 2.73; and Commissioner's flag  $342^{\circ} 30'$ , miles 2.23. The point to which the measurement was referred is denoted by a dot drilled into a plug of brass, the dot being placed at the centre of a small circle on the brass and of a larger one 4 inches in diameter on the stone. The plug is let into a block of gneiss, pyramidal in form, 36 inches square at base, 8 inches square at top, and 42 inches in height. The block rests on the reddish indurated clay of which the highland is here composed. The base-line dot is covered for protection with a plate of brass some  $2.5 \times 5 \times 0.15$  inches. The plate carries a coarser dot and circle and is so adjusted that the two dots are in the same normal. Subsequent to the measurement, an observatory was erected over the station. In the first instance a pillar, resting on stone beams thrown across the well in which the mark-stone is sunk, was built over the mark and carried up flush with the roof of the observatory; the theodolite rested on this pillar while the principal angles and azimuth were observed at this station. After these observations were concluded, the pillar and its supporting stone beams were removed. A stone cap was placed over the mark and an isolated pillar of cut-stone built over it to a height of 5 inches below the level of the observatory floor; there is a mark on a brass plug let into the surface of this pillar adjusted to agree with the normal of the lower mark, the distance between these two marks is 3 feet  $1\frac{1}{4}$  inches. The upper mark is covered over with stone flags flush with the floor of the observatory, a rough dot and circle being engraved on the stone exactly over the marks below. The observatory also contains an isolated platform  $5\frac{1}{2}$  feet square, the centre of which is on the prime vertical of the station already described and to the W.: the distance between the two centres is about  $6\frac{3}{4}$  feet. The platform was provided for the Pendulum observations subsequently taken at this point. The observatory is 15 feet 6 inches by 11 feet 1 inch, being a rectangle with the two eastern angles cut off. It is raised to a height of 12 feet above the ground floor and is provided with a meridional aperture for latitude observations. There are two abutment walls on the western side of the building which carry a flight of stone steps from the level of the roof to within 8 feet of the ground. A block of stone fixed in the roof carries a rough mark adjusted in the normal of the base-line dot. When visited by the Levelling Party, in 1884-85, the observatory was found in good preservation.

LIII. Bangalore Base-line N.E. End, or Kannúr Observatory Station, lat.  $13^{\circ} 5'$ , long.  $77^{\circ} 42'$ —observed at in 1867—is situated on the crest of the high land S. of Kannúr and W. of Chota Gubbi village, about 4 miles E.S.E. of the Yélahanka travellers' bungalow which is  $\frac{3}{4}$  of a mile N. of the junction of roads from Devanhalli and Dödballapur to Bangalore. The station is in the lands of the village of Kannúr, táluk Hösokote, district Bangalore.

The station is marked in the manner adopted for the station at the S.W. End of the base-line with the following differences—the surface of the cut-stone pillar built over the base-line dot is 4 inches below the ground floor and 2 feet 7 inches above the base-line dot. The roof of the observatory is 12 feet 8 inches above the ground floor. When visited by the Levelling Party, in 1884-85, the observatory was found in good preservation, but the ground level mark has been destroyed. The circular pillar was found to have been excavated to a depth of about a foot, and the stone which bore the brass plug was also destroyed.

LIV. Mandúr Hill Station, lat.  $13^{\circ} 5'$ , long.  $77^{\circ} 46'$ —observed at in 1867—is situated on a small flat-topped hill rising some 80 feet above the plain, lying  $\frac{1}{2}$  a mile W. of the small village from which it takes its name,  $3\frac{1}{2}$  miles W. by N. of the town of Hösokote, 4 miles N. by E. of Madihalli on the high road from

Bangalore to Hösokote, and  $1\frac{1}{2}$  miles W. of the western edge of the large piece of water on the S.E. side of which the town of Hösokote stands. The station is in the lands of the village of Mandúr, táluk Hösokote, district Bangalore.

The station consists of a platform of stones and earth, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a large stone imbedded in the ground and the other 2'17 feet above it on a stone let into the upper surface of the pillar. The directions and distances of the circumjacent villages are :—Baiyapappanhalli S.W., mile 1; Jotipur N.E., miles  $1\frac{1}{2}$ ; Kátgolhalli N. by E., mile  $\frac{3}{4}$ ; Bömmanhalli S.E. by E., miles  $1\frac{1}{2}$ ; Gundúr W. by N., miles  $1\frac{1}{2}$ ; and Bidarhalli S.W. by S., miles 2.

LV. Devarabëtta Hill Station, lat.  $12^{\circ} 37'$ , long.  $77^{\circ} 40'$ —observed at in 1867—is situated on the south-western and highest of a group of three small hills of bare rock on the eastern edge of a tract of hilly country extending to the west, north and south. About thirty yards to the east of the station is a small temple on which the station of “Deorabetta” of Colonel Lambton’s triangulation is supposed to have been situated, but of which no mark was found. The station is most easily approached from the east, there being a good cart road from Hösúr to Táli  $3\frac{1}{2}$  miles S.E. by S. of the station. The hill rises about 200 feet above its base, and is in the lands of the village of Devarabëtta, táluk Hösúr, district Salem.

The station consists of a platform of stones and earth about 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 3 feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are :—Ganganhalli N.E., miles  $2\frac{1}{2}$ ; Bailakurra N.N.W., miles  $2\frac{1}{2}$ ; Gopachandram E. by S., miles  $2\frac{1}{2}$ ; Basavanhalli S. by E., miles  $1\frac{1}{2}$ ; and Ánëkal N.E. by N., miles  $7\frac{1}{2}$ .

LVI. Ánchëttidurga Hill Station, lat.  $12^{\circ} 35'$ , long.  $77^{\circ} 56'$ —observed at in 1867—is situated on a rocky hill having a nose-like profile, rising 400 feet above the plain, and lying about  $\frac{1}{2}$  a mile N.E. of the road from Ráyakota to Hösúr *viá* Kílamangalam. The station is on the southern end of the summit (on the point of the nose), a large tree growing on the northern end, and a temple occupying the centre. The station is in the lands of the village of Ánchëttidurga, táluk Hösúr, district Salem.

The station consists of a platform of stones and earth about 16 feet square and  $1\frac{1}{2}$  feet high, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains a mark-stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are :—Yërrataulam E.S.E., miles  $1\frac{1}{2}$ ; Kílamangalam W.N.W., miles  $2\frac{1}{2}$ ; Auliköllu W. by S., miles  $3\frac{1}{2}$ ; Tairanadurgam N.E., miles 2; and Dënkanikota S.W. by W., miles 8.

LVII. Mariyálam Hill Station, lat.  $12^{\circ} 23'$ , long.  $77^{\circ} 45'$ —observed at in 1867—is situated on the elevated end of a long spur running out from the Mysore plateau in a south-easterly direction, and lies to the south of the first line of the Gháts which separates the plateau from the low country to the south. The station is about 1000 feet above the valley running round the base of the hill from N.N.W. to S. The ascent is from the small hamlet of Mariyálam at the N.E. foot of the hill. The station is in the lands of the village of Mariyálam, táluk Hösúr, district Salem.

The station consists of a platform of stones and earth about 16 feet square and varying in height from 3 feet at centre to 10 feet at the sides, enclosing a solid, circular and isolated pillar of masonry built on a projecting point of rock, which contains two marks, one engraved on the rock *in situ* and the other 3 feet above it on a stone imbedded in the upper surface of the pillar. The approximate directions and distances of the circumjacent villages are :—Ánchëtti (on the road from Dënkanikota) S.S.E., miles 2; Athararnai W. by N., miles 2; Pannai N. by E., miles  $1\frac{1}{2}$ ; and Mallárjunadurgam N.N.E., miles 6.

LVIII. Köppabëtta Hill Station, lat.  $12^{\circ} 22'$ , long.  $77^{\circ} 32'$ —observed at in 1867—is situated on the well-known hill of this name, immediately over the precipice which terminates the hill to the south. The hill rises about 600 feet above the plain to the west, from which side it is easily ascended from the small village of Köttakuppa. The large village of Arubële or Háröhalli, having a Roman Catholic Chapel, lies N.W. by W., distant  $5\frac{1}{2}$  miles. The station is identical with that of “Copahbetta” of Colonel Lambton’s triangulation, and is in the lands of the village of Köttakuppa, táluk Kánkánhalli, district Bangalore.

The station consists of a platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 3 feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are :—Mulhalli W.N.W., miles 4; Kodihalli N., miles  $4\frac{1}{2}$ ; Hunasanhalli E. by N., miles 7; and Helaghalli W., miles 6.

LIX. Pönnásibëtta Hill Station, lat.  $12^{\circ} 8'$ , long.  $77^{\circ} 41'$ —observed at in 1867—is on the highest hill in the wild and hilly tract lying at the extreme N.E. end of the Coimbatore (Koyambatúr) district: there are three points on the hill, on the central and highest of which the station has been built. The station of

“Ponnassmalli” of Colonel Lambton’s triangulation was on the lower and northern point. The nearest village of any size is Pönnási about 4 miles S.W. by W. of and 1500 feet below the station. The hill is very difficult of access owing to almost impassable roads, and is in the lands of the village of Pönnási, táluk Köllegál, district Coimbatore.

The station consists of a platform of stones and earth about 16 feet square, enclosing a solid, circular and isolated pillar of masonry 2 feet high and  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Ustúr W. by S., miles 3; Marúr S.W. by S., miles  $2\frac{1}{2}$ ; and Ugium N.W. by N., miles 5.

LX. Guttiráyan Hill Station, lat.  $12^{\circ} 16'$ , long.  $77^{\circ} 54'$ —observed at in 1867—is situated on the highest point of the well-known hill from which the station obtains its name. The nearest village is Korigiri, a collection of small hamlets, lying 1000 feet below the station and distant therefrom about  $2\frac{1}{2}$  miles to the north. The ascent to the hill is practicable from the village of Korigiri. The station is in the lands of the village of Guttiráyan, táluk Hösúr, district Salem.

The station consists of a platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 1 foot above it on a stone imbedded in the upper surface of the pillar. The large village of Pënnagaram on the high road is about 9 miles to S.S.E.

LXI. Bandhallidurga Hill Station, lat.  $12^{\circ} 12'$ , long.  $77^{\circ} 23'$ —observed at in 1867—is situated on a high peak, locally known as Vikkarámgeri, about 9 miles S.W. of the confluence of the Arkavati and Cauvery (Káveri) rivers, and 3 miles N.N.W. of the large village of Bandhalli from which the station has been named: the peak rises some 2000 feet above Bandhalli village and about 700 feet above a table-land on which stands a small village known as Bëttayúr. The station is a few yards E. of some old buildings, on the most eastern of which was the station of “Bundhully Droog” of Colonel Lambton’s triangulation, and is in the lands of the village of Bandhalli, táluk Köllegál, district Coimbatore.

The station consists of a platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter and 1 foot high, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other below it. The directions and distances of the adjacent villages are:—Ódayárgudi N., mile  $\frac{3}{4}$ ; and Tëllanúr W.N.W., miles  $2\frac{1}{2}$ .

LXII. Karadigutta Hill Station, lat.  $11^{\circ} 59'$ , long.  $77^{\circ} 55'$ —observed at in 1867—is situated on the highest point of a group of hills immediately east of the road from the large village of Pënnagaram which lies 10 miles to N. by E. The station has been built on the site of a cairn of stones denoting that of “Gardeegootah” of Colonel Lambton’s triangulation, and is in the lands of the village of Dongattahalli, táluk Dharmapuri, district Salem.

The station consists of a platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on a large boulder resting in its natural bed, and the other 1 foot above it on a stone imbedded in the upper surface of the pillar. The approximate directions and distances of the circumjacent villages are:—Attimurtapati N.N.E., mile 1; Chudappanhalli N.W. by W., miles 3; and Dongattahalli N.E. by N., miles 2.

LXIII. Bodamalai Hill Station, lat.  $11^{\circ} 55'$ , long.  $77^{\circ} 36'$ —observed at in 1867—is situated on the summit of a hill rising some 3000 feet above the plain, and well known in the neighbourhood as Bodamalai. It lies  $1\frac{3}{4}$  miles S. of the Pálár river which falls into the Cauvery about 9 miles to the E. by N. of the station. There are no villages within several miles of the hill, the surrounding country being very wild. This station is also called Nadukaval Chattram after a place (on the road from Káveripuram to Köllegál), and is about  $1\frac{3}{4}$  miles to the N. from which the hill is most easily ascended. The station is in the lands of the village of Nadukaval, táluk Bhaváni, district Coimbatore.

The station consists of a platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter and 1 foot high, which contains two marks, one engraved on the rock *in situ* and the other on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent places are:—Káveripuram E., miles  $13\frac{1}{2}$ ; Nallúr W. by S. miles  $6\frac{1}{2}$ ; and Máthalli N.W. by N., miles  $6\frac{1}{2}$ .

LXIV. Pálamalai Hill Station, lat.  $11^{\circ} 42'$ , long.  $77^{\circ} 47'$ —observed at in 1869—is situated on the mid-summit of the well-known mountain of this name, rising about 4200 feet above the right bank of the Cauvery below the Gháts at Narinjipet, and opposite Pullampati on the left bank: the hill lies about 18 miles north of Bhaváni-Kudal at the junction of the Bhaváni river with the Cauvery, and is ascended by a steep and rugged path from the south from Narinjipet in about two hours. Colonel Lambton’s station of “Paulamalli” appears to have been on the top of the small Shiva temple of Satya, distant about 210 yards to N.N.E., on the northern edge of the ridge, but of which no mark was found. It is in the lands of the village of Pálamalai, táluk Bhaváni, district Coimbatore.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other 1 foot above it on a stone imbedded in the upper surface of the pillar. The azimuths and estimated distances of the circumjacent villages are:—Nariñjipet  $329^{\circ} 42'$ , miles  $1\frac{1}{2}$ ; Ammápet  $353^{\circ} 50'$ , miles  $3\frac{1}{2}$ ; Kurumbúr  $42^{\circ} 27'$ , miles  $1\frac{1}{2}$ ; Ratiúr  $61^{\circ} 10'$ , miles 5; and Tálakád  $161^{\circ} 4'$ , mile  $\frac{3}{4}$ .

LXV. Kanjamalai Hill Station, lat.  $11^{\circ} 37'$ , long.  $78^{\circ} 6'$ —observed at in 1869—is situated on the summit of a rocky ridge, 2100 feet above the plain. It lies 6 or 7 miles W.S.W. from Salem,  $2\frac{3}{4}$  miles N. by E. of Périyasirapárai on the high road from Salem to Sankaridrug, and  $1\frac{3}{4}$  miles N.W. of the Railway Line from Erode (Írod) Junction to Salem. It is identical with the station of “Kunjamalli”, of Colonel Lambton’s triangulation of 1810, the mark of which was found engraved on the rock *in situ* and adopted as the lower mark of the present station. It is in the lands of Kanjamalai village, táluk and district Salem.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 1 foot below it which was found engraved on the rock *in situ*. The directions and distances of the circumjacent villages are:—Ilampillai W.S.W., miles  $3\frac{1}{2}$ ; Përumapati N.E. by N., miles  $1\frac{1}{2}$ ; Nayikarapati E. by N., miles 3; Ariyampálayam S.E. by E., miles  $1\frac{1}{2}$ ; and Tumbatulipati N., miles 2.

LXVI. Urugamalai Hill Station, lat.  $11^{\circ} 37'$ , long.  $77^{\circ} 23'$ —observed at in 1870—is situated on the northern end of the Malleyammadrug range. The station is named after a very small hamlet which lies at a distance of  $\frac{1}{2}$  a mile on the east side of the hill and near the head of the Kõngarapálayam valley. The ascent to the station is made in  $2\frac{1}{4}$  hours from Kalkadambúr village, and from Këmpnáyakanpálayam *viá* Malleyamma village by a steep but fair path in 4 hours walking. It is in the lands of the village of Kõngarapálayam, táluk Satyamangalam, district Coimbatore.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other one foot above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Kadambúr N.W. by N., miles  $1\frac{1}{2}$ ; Osaur W. by N., miles  $1\frac{1}{2}$ ; Kardiyúr E. by N., mile 1; and the town of Satyamangalam on the Bhaváni river S.W., miles  $10\frac{1}{2}$ .

LXVII. Morúr Hill Station, lat.  $11^{\circ} 24'$ , long.  $77^{\circ} 56'$ —observed at in 1870—is situated on the summit of the rocky hill rising about 850 feet above the surrounding plain: it lies about  $\frac{3}{4}$  of a mile S.E. of the large village of Náráyanapálayam on the high road from Tiruchëngod to Sankaridrug Railway Station,  $1\frac{3}{4}$  miles N.N.W. of the former place and 3 miles S.S.E. of the latter. The ascent to the station, which is very rugged, is made in half an hour from the W.N.W. side of the hill. It is in the lands of the village of Rájapálayam, táluk Tiruchëngod, district Salem.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other 1.5 feet above it on a stone imbedded in the upper surface of the pillar. When visited by the Levelling Party, in 1884-85, the station was found in good preservation. The directions and distances of the circumjacent places are:—Sitarámpálayam (on the high road) S. by E., mile 1; Rájapálayam W. by N., miles  $1\frac{1}{2}$ ; Kuttimaikampati E. by N., miles  $1\frac{1}{2}$ ; Changodanpálayam S.E. by E., miles  $1\frac{1}{2}$ ; Erode Junction W.S.W., miles 12; Karkampálayam N. by E., miles  $1\frac{3}{4}$ ; and Karuvapampati W.S.W., mile 1.

LXVIII. Komákaradu Station, lat.  $11^{\circ} 26'$ , long.  $77^{\circ} 32'$ —observed at in 1870—is situated on a small rocky mound nearly 60 feet high lying a mile south of the road from Erode to Satyamangalam, halfway between these two towns, and 12 miles N.N.W. of Përundurai. The station is called after a small Subramani temple the site of which it now occupies. The large village of Pichandapálayam is about 1 mile distant to the N.N.W., near the road and at the 19th milestone from Erode. It is in the lands of the village of Kogalúr, táluk Satyamangalam, district Coimbatore.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other  $1\frac{1}{2}$  feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Poluvakalipálayam N.N.W., miles  $1\frac{1}{2}$ ; Velankoil S. by W., miles  $3\frac{1}{2}$ ; Náthipálayam W., miles  $2\frac{1}{2}$ ; Kullampálayam W.N.W., miles  $2\frac{1}{2}$ ; Mettupálayam E.N.E., mile 1; and Vellalápálayam N.W. by N., miles  $2\frac{1}{2}$ .

LXIX. Chënnimalai Hill Station, lat.  $11^{\circ} 9'$ , long.  $77^{\circ} 38'$ —observed at in 1870—is situated on the summit of a hill rising considerably higher than any other of the isolated rocky hills above the level of the great Coimbatore plain and commanding a very extensive view in all directions. The station is 350 yards W. of the highest temple, about 850 feet above the surrounding country, and about  $1\frac{1}{2}$  miles W.S.W. of the large village of Chënnimalai on the high road from Kángyam to Përundurai. The ascent is made from the village of Chënnimalai, by a causeway leading to the temple. The station is identical with that of

“Shennimali” of Colonel Lambton’s triangulation, the mark of which was found engraved on the rock and adopted as the lower mark of the present station. It is in the lands of the village of Chēnnimalai, táluk Erode, district Coimbatore.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other 1.67 feet above it on a stone imbedded in the upper surface of the pillar. When visited by the Levelling Party, in 1884-85, the station was found in good preservation. The azimuths or directions and distances of the circumjacent places are:—Chēnnimalai (large gopuram)  $245^{\circ} 2'$ , miles  $1\frac{1}{4}$ ; Pērundurai (temple in middle of fort)  $178^{\circ} 52'$ , miles 8; Mettupálayam (kasba)  $228^{\circ}$ , mile 1; Pēriyandipálayam N.W. by W., miles  $2\frac{1}{4}$ ; Nallapálayam  $353^{\circ} 55'$ , miles  $1\frac{1}{4}$ ; and the Railway Station of Pērundurai N.N.E., miles  $7\frac{3}{4}$ .

LXX. Yēttimalai Station, lat.  $11^{\circ} 4'$ , long.  $77^{\circ} 53'$ —observed at in 1870—is situated on the small rocky mound so called, rising about 50 feet above the surrounding country, lying  $\frac{1}{2}$  a mile S. of the new road from the Railway Station of Kōdumudi to the town of Dhárápúram, and about 3 miles W.S.W. from the Railway Line which here passes along the right bank of the Cauvery river. It is in the lands of the village of Vadivullamangalam, táluk Erode, district Coimbatore.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other 2 feet above it on a stone imbedded in the upper surface of the pillar. When visited by the Levelling Party, in 1887, the station though uncovered was in good order. The azimuths and distances of the circumjacent places are:—Kōdumudi (village temple close to the Railway Station)  $255^{\circ} 42'$ , miles  $3\frac{1}{4}$ ; Ichipálayam  $199^{\circ}$ , mile 1; and Vadiállamangalam  $12^{\circ}$ , miles  $1\frac{1}{4}$ .

LXXI. Thittamalai Hill Station, lat.  $11^{\circ} 21'$ , long.  $77^{\circ} 24'$ —observed at in 1870—is situated on the top of a small hill so called, rising 200 feet above the plain. It lies about 5 miles S. by E. of the village of Kurumanthúr on the high road from the town of Pērundurai to Satyamangalam. The station is 180 feet N. by E. of a small temple, and is identical with that of “Thittamalli” of Colonel Lambton’s triangulation, the mark of which was found cut on the rock and adopted as the lower mark of the present station. It is in the lands of the village of Koshanam, táluk Satyamangalam, district Coimbatore.

The station consists of the usual platform 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other, which was found engraved on the rock *in situ* 1.75 feet below. The azimuths and distances of the circumjacent villages are:—Nambyúr (temple)  $105^{\circ} 15'$ , miles  $2\frac{1}{4}$ ; Alampálayam  $236^{\circ}$ , mile 1; Kedarkai  $64^{\circ}$ , miles  $1\frac{3}{4}$ ; and Koshanam  $170^{\circ}$ , miles  $1\frac{3}{4}$ .

LXXII. Tirumankaradu Hill Station, lat.  $10^{\circ} 58'$ , long.  $77^{\circ} 42'$ —observed at in 1870—is situated on a mound of this name rising about 20 feet above the ridge and commanding a very extensive view over the surrounding country. The station is 160 yards from a small shed used as a place of worship, about 4 miles N.W. of Vēllaikoil at the junction of the roads from Muttúr, Karúr and Kángyam. It is in the lands of the village of Pachaipálayam, táluk Dhárápúram, district Coimbatore.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other 3 feet above it on a stone imbedded in the upper surface of the pillar. The azimuths and distances of the circumjacent villages are:—Ólaipálayam  $35^{\circ}$ , miles  $1\frac{1}{4}$ ; Karnapuram (village temple S. of the high road)  $44^{\circ} 9'$ , miles 2; Rēddivalasa  $207^{\circ}$ , mile  $\frac{1}{2}$ ; and Shikárpúram  $108^{\circ}$ , miles  $1\frac{1}{4}$ .

LXXIII. Alagumalai Hill Station, lat.  $11^{\circ} 1'$ , long.  $77^{\circ} 29'$ —observed at in 1870—is situated on the S.E. edge of the hill rising about 250 feet above the village: it lies about  $2\frac{3}{4}$  miles N. of the large village of Avanáshipálayam on the high road between the towns of Kángyam and Palladam, and  $9\frac{1}{2}$  miles S.E. of the Railway Station of Avanáshi. The station is on the terrace just above the steps leading to the temple; it is 25 feet distant from the E. wall,  $11\frac{1}{2}$  feet S.E. from the stone shaft of the temple, and 94 feet E. by S. from the Vimánam. The station of “Hallagamalli” of Colonel Lambton’s triangulation was probably on the centre of the flat roof, 50 or 70 feet W. by N. of the present station, and about 9 feet higher, but of which no trace could be found. It is in the lands of the village of Alagumalai, táluk Palladam, district Coimbatore.

The station consists of the usual platform of stones enclosing a solid, circular and isolated pillar of masonry, which contains two mark-stones, one imbedded in the upper surface of the pillar and the other 3 feet below it set in the stone-work of the temple terrace. The azimuths and distances of the circumjacent villages are:—Alampálayam  $278^{\circ}$ , mile 1; Alagumalai (Mariamma temple)  $330^{\circ} 51'$ , mile  $\frac{1}{2}$ ; Avanáshipálayam (temple)  $5^{\circ} 13'$ , miles 3; and Koilpálayam (large pyramidal topped temple)  $25^{\circ} 45'$ , miles  $2\frac{3}{4}$ .

LXXIV. Paruttimalai Hill Station, lat.  $10^{\circ} 40'$ , long.  $77^{\circ} 37'$ —observed at in 1871—is situated on the summit of a small rocky hill or group of hills rising about 350 feet above the plain: it lies about  $1\frac{1}{2}$  miles S.W. of the road from Dhárápúram to Dindigul (Tindukal), 6 miles S.S.E. of the large village and fort of Dhárápúram,

and  $5\frac{1}{2}$  miles E.N.E. of the village of Alangyam on the road from Pölláchi to Dhárápúram. The ascent is made in some 10 minutes from the little hamlet of Pachaipálaiyam or Kóttavána-valasa. The station is identical with that of "Parteemalli" of Colonel Lambton's triangulation of 1808. It is in the lands of the village of Partíúr, táluk Palni, district Madura (Madurai).

The station consists of a platform 16 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one engraved on the rock *in situ* and the other 2 feet above it on a stone imbedded in the upper surface of the pillar. The approximate directions and distances of the circumjacent villages are:—Rangapálaiyam N.N.E., mile  $\frac{3}{4}$ ; Kóttavána-valasa S. by W., mile  $\frac{3}{4}$ ; Hanumántakota E. by S., miles 3; Manakarai W. by S., miles  $2\frac{1}{4}$ ; Therpati N.N.W., mile  $\frac{3}{4}$ ; and Ammápati S.W. by W., miles 2.

LXXV. Kóllupálaiyam Station, lat.  $10^{\circ} 42'$ , long.  $77^{\circ} 22'$ —observed at in March and December 1870—is situated on the high ground about  $\frac{3}{4}$  of a mile N. of the old and direct road from Dhárápúram to Pölláchi, and nearly  $2\frac{1}{2}$  miles E. by N. of the junction of the roads from Dhárápúram, Palladam, Pölláchi and Udamalpet. It is in the lands of the village of Gudimangalam, táluk Udamalpet, district Coimbatore.

The station consists of the usual platform enclosing a solid, circular and isolated pillar of masonry which contains two mark-stones, one imbedded in the upper surface of the pillar and the other 3 feet below it and at the ground level, below which the pillar extends 3 feet. The directions and distances of the circumjacent villages are:—Kóllupálaiyam W.S.W., mile 1; the large village of Kóttamangalam (on the direct road from Palladam to Udamakota) S.W. by W., miles 4; Gudimangalam W., miles  $2\frac{1}{4}$ ; Salármadam S., mile  $\frac{3}{4}$ ; Kóndampati N.W. by W., miles  $2\frac{1}{4}$ ; and Panathapati S.S.E., miles  $1\frac{3}{4}$ .

LXXVI. Chaklichimalai Hill Station, lat.  $10^{\circ} 27'$ , long.  $77^{\circ} 23'$ —observed at in 1870—is situated on the summit of a hill rising about 1200 feet above the plain. It is about  $1\frac{1}{2}$  miles E. from the right bank of the Amarávati river, 1 mile W. of the small village of Ándipati, and 12 miles W. of the town of Palni. The ascent, from the encamping ground between the hill and the village of Ándipati, is made by the E. and S. sides of the hill which are rugged and steep in parts. It is in the lands of the village of Ándipati, táluk Palni, district Madura.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry 2 feet high, which contains two marks, one engraved on the rock *in situ* and the other 1.56 feet above it on a stone imbedded in the upper surface of the pillar. The azimuths and distances of the circumjacent villages are:—Kumáralingam  $210^{\circ}$ , miles 3; Pámbampati  $276^{\circ}$ , miles  $4\frac{1}{4}$ ; and Kollamam (fort temple on the right bank of the river)  $216^{\circ} 55'$ , miles 2.7.

LXXVII. Rangamalai Hill Station, lat.  $10^{\circ} 39'$ , long.  $77^{\circ} 58'$ —observed at in 1871—is situated on the southern boulder forming the peak of the isolated mountain from which the station obtains its name: the peak rises about 2100 feet above the plain at its base. The station lies  $1\frac{3}{4}$  miles W. of the old district road from Dindigul to Aravakurehi,  $8\frac{1}{2}$  miles S. of the latter town and 3 miles W.S.W. of Périyamangalam. The position of the station of "Rungamalle" of Colonel Lambton's triangulation was about 15 feet N.E. by E. of the present station. It is in the lands of the village of Ándipati, táluk Karúr, district Coimbatore.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry which contains three marks, one engraved on the rock *in situ* and two others 2.67 and 4.58 feet respectively above it on stones imbedded in the pillar, the topmost mark being in the upper surface of the pillar. The azimuths and distances of the circumjacent villages are:—Yediakota (dome of a mosque)  $66^{\circ} 24'$ , miles 5; Kurumbapati  $180^{\circ}$ , miles 2.9; Malaipati  $122^{\circ}$ , mile 1; Pallapati (spire of a large temple near the S.W. end of the village)  $157^{\circ} 59'$ , miles 4.9; and Ándipati  $204^{\circ}$ , miles 2.4.

LXXVIII. Përumálmalai Hill Station, lat.  $10^{\circ} 18'$ , long.  $77^{\circ} 36'$ —observed at in 1871—is situated on the lofty point of the hill rising 1000 to 1500 feet above its base, in the midst of the eastern or lower Palni Hills. The summit of the hill is 100 yards long by 80 yards broad and is tolerably flat: the N.W. and S.E. sides are rocky and precipitous, having a slope of  $45^{\circ}$  to  $50^{\circ}$  and even greater in some parts; the S.W. and N.E. spurs or ridges are of comparatively easy gradient. The southern portion of the summit is marked by some ancient mounds of stones and earth, one of which was opened and found to contain a number of earthen pots filled with gravel and earth. A great number of very rude and irregular stone circles and cairns is to be seen on the S.W. ridge of the mountain, about  $1\frac{1}{2}$  miles from the summit. The station is fixed on the higher and northern portion of the hill, 28 feet north of a large stone in the middle of an old cairn which is probably the site of the station of "Permaul" of Colonel Lambton's triangulation of 1808. It is in the lands of the village of Kávanji, táluk Palni, district Madura.

The station consists of a platform of stones and earth 10 feet in diameter, enclosing a solid, circular and isolated pillar of masonry 1.21 feet high and  $3\frac{1}{4}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other on a stone imbedded in the upper surface of the pillar. *Note.*—The observations were taken from the lower mark cut on the rock and the pillar with its surrounding platform was built subsequently. The directions and distances of the circumjacent villages are:—Kávanji N.E. by N., miles  $1\frac{1}{4}$ ; Vilpati W.S.W., miles  $4\frac{1}{4}$ ; and Ayakudi N., miles 10.

**LXXIX.** Mudimalai Hill Station, lat.  $10^{\circ} 24'$ , long.  $78^{\circ} 14'$ —observed at in 1871—is situated on the summit of the highest of the straggling group of hills lying S.E. of the Railway line from Dindigul to Trichinopoly (Tiruchinapali), about 5 miles S.S.E. of the Railway Station of Ayyalúr whence it can be approached by carts as far as the village of Pudupati at the western foot of the hill. From this place the ascent, nearly 2000 feet, is easily made in an hour by an old and frequented path. The station is in the lands of the village of Putúr, taluk Dindigul, district Madura.

The station consists of a platform of stones and earth enclosing a solid, circular and isolated pillar of masonry which contains two marks, one engraved on the rock *in situ* and the other 0.58 of a foot above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Putúr N.N.W., miles  $2\frac{1}{2}$ ; Vadamadura (Railway Station) W.N.W., miles 6; Thovarankurchi E. by S., miles  $13\frac{1}{2}$ ; Pudupati W., mile  $\frac{3}{4}$ ; Shēnkurchi S.W., miles  $1\frac{1}{2}$ ; and Ayyalúr N.N.W., miles  $4\frac{1}{2}$ .

**LXXX.** Kalugumalai Hill Station, lat.  $10^{\circ} 10'$ , long.  $78^{\circ} 3'$ —observed at in 1871—is situated on the north-eastern point of the southern portion of the Sirumalai Hills: the station is built 50 or 60 yards south from the Shola and precipice overhanging the deep ravine or valley which separates it from the northern range or the Sirumalai Hills proper, and is about  $\frac{2}{3}$  of a mile N.E. by N. from Ponúrikimalai, the highest point of these hills in this neighbourhood, and on which a secondary station is fixed. The station is about  $1\frac{1}{2}$  miles N.E. of Mr. Arbutnot's (the Sub-Collector) hut in the Shola and ravine at the head of the Tēnmalai plateau or plantation to which there is a new public road from the small village of Viralpati at the S. foot of the hills, whence the ascent of about 3750 feet is made in 3 or 4 hours. The station lies about 13 miles S. by E. of the town of Dindigul, and 7 miles E. of Ammayanáyakanúr Railway Station. It is in the lands of the village of Sirumalai, taluk Dindigul, district Madura.

The station consists of the usual platform  $3\frac{1}{2}$  feet high, enclosing a solid, circular and isolated pillar of masonry which contains two marks, one engraved on the rock *in situ* and the other 2.33 feet above it on a stone imbedded in the upper surface of the pillar. The directions and distances of the circumjacent villages are:—Thádampati and Nílathán (on the high road) nearly S.S.W., miles  $6\frac{1}{2}$ ; Malayúr N. by W., miles  $3\frac{3}{4}$ ; and Valiapati W.N.W., miles  $5\frac{1}{2}$ .

**LXXXI.** Kutipárai Station, lat.  $9^{\circ} 29'$ , long.  $78^{\circ} 3'$ —observed at in 1873—is built on the eastern summit of a rock about 50 or 60 feet high and lying 8 miles S.S.E. of Virudupati. The western and lower summit of the rock is occupied by a small stone temple dedicated to Pērumál. The station of "Kooteapaurae" of Colonel Lambton's triangulation of 1808 was found on a boulder of this rock but being unsuitable was not adopted. Its distance and azimuth from and height above the present station are 41.6 feet,  $280^{\circ} 28'$ , and 1 foot. It is in the lands of the village of Kutipárai, taluk Palimadam, district Madura. The station of "Mallapati", at which Pendulum Observations were taken in season 1868-69, stands on this hill 600 feet east of the present station.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 1.1 feet above it on a stone imbedded in the upper surface of the pillar. When visited by the Levelling Party, in 1886-87, the station was found in good order. The azimuths and distances of the circumjacent places are:—Malaipati  $108^{\circ}$ , mile  $\frac{1}{4}$ ; Mettugunta  $168^{\circ}$ , miles  $2\frac{1}{2}$ ; Kutipárai  $52^{\circ}$ , mile  $\frac{3}{4}$ ; and a small stone temple  $91^{\circ} 17'$ , yards 220.

**LXXXII.** Pemalai Hill Station, lat.  $9^{\circ} 33'$ , long.  $77^{\circ} 34'$ —observed at in 1873—is built on the highest point of the bold peak which rises some 5000 feet above the plain. There is a bridle-path from Mamsapuram, the nearest village, to the foot of the hill, whence the ascent is made in two hours to the ridge near Kanimárkoil, by a rugged and steep path which passes about  $\frac{1}{4}$  mile west of the Alagirì temple; after this the path turns suddenly to the S.W. and keeps along the W. or N.W. side of the ridge; the peak is easily reached in about two hours' further walking. It is in the lands of the village of Sivandipati, taluk Srivilliputúr, district Tinnevely (Tirunēveli).

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on a stone imbedded in the upper surface of the pillar and the other 0.94 of a foot below it cut on a large stone imbedded in the foundation about ground level. The azimuths and distances of the circumjacent places are:—Srivilliputúr (big gopuram)  $291^{\circ} 34'$ , miles 8.4; Srivilliputúr (small gopuram on middle of big tank bund)  $295^{\circ} 55'$ , miles 8.3; Mamsapuram-Shiventipati  $307^{\circ}$ , miles  $5\frac{1}{2}$ ; Rájapálaiyam  $341^{\circ}$ , miles 7; and Alagirikoil (spire of hill temple)  $245^{\circ} 58'$ , miles 3.

**LXXXIII.** Koilpati Hill Station, lat.  $9^{\circ} 10'$ , long.  $77^{\circ} 54'$ —observed at in 1874 and 1875—is situated on the highest point of a small rocky hill called Koilpati-parambu. The high road from Tinnevely to Madura and the Railway line from Tuticorin (Tútagudi) pass close by the N.W. foot of the hill. The station is in the lands of Koilpati village, taluk Sátúr, district Tinnevely.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 1.10 feet above it on a stone imbedded flush with the upper surface of the pillar. When visited in 1875, in connection with the operations of the South-East Coast Series, the station was found in good order and evidently untampered with. When again visited by the Levelling Party, in 1886-87, the station was found in good order. The azimuths and distances of the following places are:—Manditop  $14^\circ$ , mile 1; Maniyáchi  $133^\circ$ , mile  $\frac{3}{4}$ ; Revenue Survey tri-junction boundary stone of Koilpati, Alampati and Manditop villages  $32^\circ 33'$ , feet 86.5; Koilpati (northern and larger spire of a temple)  $225^\circ 42'$ , mile 1.0; and Mupampati (centre of the roof of a small temple)  $202^\circ 32'$ , miles  $1\frac{1}{2}$ .

LXXXIV. Përiyúr Hill Station, lat.  $9^\circ 12'$ , long.  $77^\circ 32'$ —observed at in 1874—is situated on the eastern and highest summit of the rugged hill from which the station has been named; it is 32 yards N.W. by N. of the highest boulder on the hill and about  $4\frac{1}{2}$  feet below it, and  $3\frac{1}{2}$  miles N.W. of the taluk town of Sankaranainárkoil. The ascent of some 800 feet, to the summit, is made from the north or east side of the hill by a very rough path. It is identical with the station of “Përiormalli” of Colonel Lambton’s triangulation of 1809, the circle and dot mark of which was found engraved on the rock and adopted as the lower mark of the present station. It is in the lands of the village of Përiyúr, taluk Sankaranainárkoil, district Tinnevelly.

The station consists of the usual platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other  $1\frac{1}{2}$  feet below it which was found engraved on the rock *in situ*. The azimuths and distances of the circumjacent places are:—Panaiyúr (spire of temple)  $177^\circ 50'$ , miles 3.5; Përiyúr  $177^\circ$ , miles  $1\frac{1}{2}$ ; Vádikota  $238^\circ$ , miles 2; Achampati  $296^\circ$ , miles 2; and Vir-iruppu  $47^\circ$ , miles 2.

LXXXV. Kulayanallúr Hill Station, lat.  $8^\circ 56'$ , long.  $78^\circ 1'$ —observed at in January and December 1874—is situated on the highest part of a stony ridge or mound rising about 150 feet above the surrounding plain: it lies about 3 miles W. by N. of Ótapidáram town, and  $3\frac{1}{2}$  miles E. by N. of Singampati on the high road from Ótapidáram to Tënkási. It is identical with the station of “Kolanelloor” of Colonel Lambton’s triangulation of 1808, and is in the lands of the village of Arikulam, taluk Ótapidáram, district Tinnevelly.

The station consists of the usual platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two mark-stones, one at the ground level and the other 1 foot above it on the upper surface of the pillar. The station is built over a mark of that of the station of “Kolanelloor” of Colonel Lambton’s triangulation of 1809 which was found imbedded in the surface of a rough platform flush with the ground level. Search was made at the time for lower marks but none were found. When visited in December 1874, in connection with the operations of the South-East Coast Series, “the station was found covered up just as when left last season and in good order and evidently untouched in the interval.” The directions or azimuths and distances of the following places and objects are:—Arikulam S.W., mile  $\frac{3}{4}$ ; Moramban S.W., miles  $3\frac{1}{2}$ ; Vëllapuram N.E., mile  $\frac{3}{4}$ ; Kílamangalam N.N.W., miles  $1\frac{1}{2}$ ; No. 1 (Revenue Survey) Stone  $8^\circ 57'$ , miles 1.12; No. 2 (Revenue Survey) Stone  $1^\circ 47'$ , miles 1.10; No. 3 (Revenue Survey) Stone  $343^\circ 14'$ , mile 0.88; No. 4 (Revenue Survey) Stone  $338^\circ 41'$ , mile 0.65; No. 5 (Revenue Survey) Stone  $311^\circ 58'$ , mile 0.78; and No. 6 (Revenue Survey) Stone  $302^\circ 38'$ , mile 0.92.

LXXXVI. Kutaitatti Hill Station, lat.  $8^\circ 51'$ , long.  $77^\circ 38'$ —observed at in 1874—is situated on the highest part of the small rocky hill of Kutaitatti rising about 220 feet above the surrounding plain: it lies nearly 1 mile W.S.W. of the village of Ettánkulam, 10 miles N.W. by N. of Tinnevelly, nearly midway between the two roads from Tënkási and Sankaranainárkoil to Tinnevelly, and  $3\frac{1}{2}$  miles W. of Manúr on the road from Sankaranainárkoil to Tinnevelly. The station is in the lands of the village of Pudúr, taluk and district Tinnevelly.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on the rock *in situ* and the other 4 feet above it on a stone imbedded in the upper surface of the pillar. The directions or azimuths and distances of the circumjacent villages are:—Tërkupati N.W. by N., miles 2; Vágakulam  $221^\circ$ , miles 4; Pilaiyárkulam  $239^\circ$ , miles 6; Vondámpati  $340^\circ$ , miles  $1\frac{1}{2}$ ; and Pudúr  $18^\circ$ , miles 2.

LXXXVII. Valanád Hill Station, lat.  $8^\circ 43'$ , long.  $77^\circ 56'$ —observed at in 1874—is built on the highest part of the conspicuous, stony hill rising about 900 feet above the plain: it lies  $2\frac{1}{4}$  miles E. of Valanád village on the high road from Tinnevelly to Tuticorin, and 8 miles N.N.W. of the town of Tënkaraí. It is identical with the station of “Vullanaud” of Colonel Lambton’s triangulation of 1809, the mark of which was found and adopted as the lower mark of the present station. The station is in the lands of the village of Valanád, taluk Tënkaraí, district Tinnevelly.

The station consists of a platform of stones and earth enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one engraved on a stone imbedded in the upper surface of the pillar and the other 1 foot below it which was found *in situ*. The azimuths or directions and distances of the circumjacent places are:—Valanád (spire of a temple S.W. of village)  $95^\circ 34'$ , miles  $2\frac{1}{2}$ ; Devacheyalapuram on the high road N.E. by E., miles  $2\frac{1}{2}$ ; Aniyaparanalúr E.S.E., miles  $4\frac{1}{2}$ ; Parpanamagalam S. by E., miles  $4\frac{1}{2}$ ; Srívaikuntam on the left bank of the Támbraparni river S. by E., miles  $5\frac{1}{2}$ ; and Nanakád W.S.W., miles 3.



LXXXVIII. Pulláváli Station, lat. 8° 42', long. 76° 11'—observed at in 1874—is situated on a small sand hillock rising about 12 feet above the adjacent sand waste and 29 feet above the sea: it lies on the sea coast about 6 miles south of Tuticorin, 4 miles E.N.E. of Kumárapuram, and 100 yards inland from the low water mark. It is in the lands of the village of Paleya Káyal, táluk Tēnkarai, district Tinnevelly.

The station consists of a platform of mud and sand enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains two mark-stones, one imbedded in the upper surface of the pillar and the other about one foot below it. The azimuths and distances of the circumjacent places are:—masonry pillar on the coast line 207° 32', mile 0.85; Mulakád 125°, miles 2½; Pulláváli 73°, miles 2½; Paleya Káyal (spire of a temple) 57° 33', miles 4; and Paleya Káyal Church (centre) 54° 2', miles 4.

LXXXIX. Tiruchēndúr Station, lat. 8° 30', long. 78° 10'—observed at in 1874—is on the south-west quarter of the stone basement of a partly built Mandap which occupies the highest mound near the Subramanya temple of Tiruchēndúr, and 210 yards S.W. of the great gopuram. It is in the lands of the village of Kíla-Tiruchēndúr, sub-division Kulasekharapatnam, táluk Tēnkarai, district Tinnevelly.

The pillar and mark-stones which were originally on and above the roof were removed for the restoration of the building on completion of the observations: the point corresponding to the centre of the base of the pillar at floor level is 8.5 feet from the south side and 8.1 feet from the west side of the Mandap plinth stones. The upper mark on the surface of the pillar was 24.0 feet above the floor level. A scaffold and platform of palmyra was provided to support the observatory and observer and to secure isolation. The directions and distances of the following villages are:—Alantalai on the coast S.W., miles 2½; Paravakurchi W. by S., miles 5½; Kayampuli W. by N., miles 5½; and Vírapiandiyapatnam N.N.W., miles 1½.

XC. Ittamöli Station, lat. 8° 22', long. 77° 55'—observed at in 1874—is situated on the highest hillock in the middle of the Karuvēla-Kandan Theri, the word *theri* signifying a red sand waste: it lies about 3 miles S.E. of the road from Vírāmartandanallúr to Trivandrum (Tiruvánantapuram), and 12 miles W. of Manapád on the coast. The station is about 30 yards S.S.E. of the spot where the Revenue Survey stone, marking the boundary of the Kamarikota and Arasúr portions of the *theri*, stood. It is in the lands of the village of Ittamöli, sub-division Kulasekharapatnam, táluk Tēnkarai, district Tinnevelly.

The station is within 5 feet of the site of the station built in 1869, the *débris* of which lie strewn on the present surface of the sand hill, 14 or 15 feet lower than the former sand hillock and 10 feet lower than the present (February 1874) hillock. The present station like Colonel Lambton's Red hill station of 1809 is a temporary one composed of four nine-foot piles of wood, three for the instrument stand and one for the mark. To define the spot two crosses of Banian stakes have been planted, the meridional lines of which point to the station and the cross lines are distant 18 yards north and 23 yards to the south respectively, and it is hoped that some of them may take root and grow. The directions and distances of the circumjacent villages are:—Yérrachivalle or Nalamalpuram S.S.E., mile 1; Arasúr S.E., miles 2; Ittamöli N.W. by W., miles 2½; and Vírāmartandanallúr N.N.E., miles 5½.

XCI. Kanimárpöttai Hill Station, lat. 8° 30', long. 77° 40'—observed at in 1869 and 1874—is situated on the top of a small steep hill some 330 feet high: it lies about ½ a mile N. of the road from Nánguneri to Kalakád, 2½ miles W.N.W. of the former town, and 6 miles N.E. by N. of the large village of Tirukurungudi. The hill is also called after a small well and shrine sacred to Kanni Amma on the lower and the most eastern extremity of the group of rocks and hillocks where there are still some images of fairies. There are other hills appertaining to this range N.W. of the station, which are called Váradapöttai, Náráyana-pöttai and Pērandumalai, and a fourth detached hill to the N. of these is called Kitharthanpöttai. The station is identical with that of "Kunnimapotha" of Colonel Lambton's triangulation of 1809, the circle and dot mark of which was found engraved on a large stone and adopted as the lower mark of the present station. It is in the lands of the village of Nánguneri, táluk Nánguneri, district Tinnevelly.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 1.58 feet below it which was found engraved. When visited in 1874, it is presumed from the absence of any remarks in the original records that the station was found in good order and that no alteration in its construction was made. The directions and distances of the circumjacent places are:—Surangudi S. by W., miles 1½; Kadambadavál W. by S., mile 1; and Tuvarankulam N., miles 2½.

XCII. Rádhápuram Station, lat. 8° 17', long. 77° 45'—observed at in 1869 and 1874—is situated on the high plain about 1½ miles N.E. by N. of the village of Rádhápuram on the road from Idindakarai on the coast to the town of Nánguneri, and 8½ miles E.S.E. of the large village of Panagudi. It is in the lands of the village of Rádhápuram, sub-division Rádhápuram, táluk Nánguneri, district Tinnevelly.

This station was selected and partly built in 1868 to define the northern extremity of the third or northernmost section

of the Cape Comorin base-line of which only the middle section was measured. The portion built in 1868 consists of a solid, circular pillar of stone masonry surrounded by an annular wall 6 feet in diameter, which contains two marks, one on a stone 15 inches square let into the rock and flush with it, and the other 5·38 feet above it and on a large block of gneiss imbedded in the upper surface of the circular pillar and flush with the ground level: around this pillar a solid foundation of rough stone set in cement, 14 feet square and 3 feet deep, was built up to the ground level to serve as a basement for an observatory which eventually was not constructed. In 1869 a superstructure consisting of a perforated pillar of masonry 10 feet above the ground level was built over the circular pillar of the previous year: the lower 5 feet of which is rectangular, 7½ feet from E. to W. and 7 feet from N. to S.; the upper portion is pyramidal ending at its summit in a cylindrical pillar 3½ feet in diameter. Two other marks were inserted, one on a slab of black granite 3 feet in diameter, 0·61 of a foot above the ground level mark on the circular pillar: this slab also carries the following inscription "Great Trigonometrical Survey, Rathapuram Station, Cape Comorin Base Extension, A. D. 1869" and the other is 9·46 feet above it on a stone let into the upper surface of the cylindrical pillar. Access to the mark on the circular slab of granite was obtained through an aperture in the rectangular portion of the pillar which was subsequently blocked up to form a solid mass. The directions and distances of the circumjacent places are:—Samugarangapuram (on the road) N., miles 3½; Idaikudi N.N.E., miles 2; Kilaparacheri S.E. by E., miles 1½; and Arumankulam E.N.E., miles 4½.

XCI. Vijayápati Station, lat. 8° 12', long. 77° 49'—observed at in 1869 and 1874—is situated on the top of a red sand mound called Idaiyantheri and Vijayátalaikád, which rises some 40 or 50 feet above the neighbouring country and is a conspicuous object on the coast ridge for miles around. The station lies some 700 yards from the sea shore, and about 2 miles E.N.E. of the hamlet of Vijayápati. It is in the lands of the village of Vijayápati, sub-division Rádhápuram, táluk Nánguneri, district Tinnevely.

The station consists of a platform of stones and earth 16 feet square, enclosing a solid, circular and isolated pillar of masonry 1½ feet high and 3½ feet in diameter, which contains two mark-stones, one imbedded in the upper surface of the pillar and the other 1·50 feet below it; the pillar is built on a solid block of masonry, 7 feet in diameter and 4 feet deep, whose upper surface is flush with the ground level. When visited in 1874, the station was found in perfect preservation and no alteration in its construction is stated to have been made. The directions and distances of the circumjacent villages are:—Kuttanguli N.N.E., mile 1; Paracheri N. by W., miles 2½; and Idindakarai on the sea coast S.W., miles 3.

XCII. Manpöttai Hill Station, lat. 8° 16', long. 77° 37'—observed at in 1869—is situated on a rock on the summit of a hill which lies about a mile S.E. of the junction of the roads from Travancore (Tiruvánkod) and Cape Comorin to the town of Nánguneri, ⅔ of a mile E. of the road from Cape Comorin to Panagudi, and 340 yards S. of the Araballe and Tiruchéndúr road. The station is about 8 miles inland from the sea, and is identical with that of "Munpotha" of Colonel Lambton's triangulation of 1809, the mark of which was found engraved on the rock and adopted for the present station. It is in the lands of Përungudi village, sub-division Rádhápuram, táluk Nánguneri, district Tinnevely.

The station consists of a platform of stones and earth, 16 feet square and 8 feet high at the outer sides, enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 1·5 feet below it which was found engraved on the rock. The directions and distances of the circumjacent places are:—Panagudi N., miles 3½; Tanakarakulam (on the road) N.E. by E., miles 3½; Koilkinar N.N.E., mile ½; Paluvúr (on the road to Cape Comorin) S., miles 4; and Përungudi E.N.E., miles 2.

XCIII. Kudankulam Observatory Station, lat. 8° 10', long. 77° 44'—observed at in 1869—is situated on the highest point of an excessively rocky and thorn covered swell of gently undulating ground about four-fifths of a mile from the sea coast, and 12 miles N.E. by E. of the extreme point of Cape Comorin. This station was visited for Pendulum observations in 1869, and for Latitude observations in January 1871. It is in the lands of the village of Vijayápati, táluk Nánguneri, district Tinnevely. Colonel Lambton's station of 1808 was on the next swell of the ridge, about ¼ of a mile W.

This station was selected and partly built in 1868 to define the southern extremity of the third or southernmost section of the Cape Comorin base-line of which eventually the middle section was measured. The portion built in 1868 consists of a solid, circular pillar of stone masonry surrounded by an annular wall 6 feet in diameter, which contains two mark-stones, one fixed in the rock and the other 6 feet above it imbedded in the upper surface of the pillar which is flush with the ground: around this pillar a solid foundation of stone set in cement, 15 feet square and 2 feet deep, was built up to the ground level to serve as a basement for an observatory. In 1869 a slab of black granite 3 feet in diameter with circle and dot and the following inscription engraved on it "Great Trigonometrical Survey, Kudankulam Observatory, Cape Comorin Base Extension, A.D. 1869" was laid on the central pillar of the previous year, having the mark in the slab 1·08 feet above the mark in the upper surface of the pillar. A temporary pillar of masonry 10 feet high was next built over the slab of granite, carrying a mark on its upper surface 10·67 feet above the mark at the ground level. An observatory of brick masonry 16½ × 10 × 10 feet having a temporary roof of palmyra leaves was also erected around the central pillar for the Pendulum and Latitude observations which were taken subsequently at this station. The directions and distances of the circumjacent places are:—The small fishing village of Pillikulam with a Roman Catholic Church S.W., miles 2; Kudankulam village N.E., miles 1½; Përumanal W.S.W., miles 3; and Èrukandurai W.N.W., miles 3.

**XCVI.** Arasákulam Station, lat. 8° 14', long. 77° 47'—observed at in 1869—is situated on the waste ground about 300 yards east of the small hamlet of Arasákulam,  $1\frac{1}{3}$  miles N.E. of the road from Idindakarai on the sea coast to Rádhápuram, and 2 miles N. by W. of the village of Vijayápati. It is in the lands of the village of Vijayápati, sub-division Rádhápuram, táluk Náguneri, district Tinnevelly.

The station consists of a platform of sun-dried bricks 17 feet square, enclosing a solid, circular and isolated pillar of masonry, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 4.96 feet below it; the upper mark consists of a hole  $\frac{1}{10}$  of an inch in diameter drilled into a plug of brass which is let flush with the upper surface of the stone. The directions and distances of the adjacent places are:—Kuttanguli (on the sea coast) E.S.E., miles  $2\frac{1}{4}$ ; Paracheri E.N.E., miles 2; Vállankudi N.W., miles 2; and Sidambarapuram N.N.E., miles  $2\frac{1}{4}$ .

**XCVII.** Tanakarakulam Station, lat. 8° 14', long. 77° 41'—observed at in 1869—is situated on the rising ground running parallel to the Gháts and about 8 miles from them. It lies about 2 miles N.W. by W. of Nakkaneri on the road from Cape Comorin *viá* Karunkulam, and  $3\frac{1}{3}$  miles S.W. by W. of Rádhápuram on the road to Náguneri. It is in the lands of the village of Tanakarakulam, sub-division Rádhápuram, táluk Náguneri, district Tinnevelly.

The station consists of a platform of sun-dried bricks 17 feet square and 3 feet high, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 3.06 feet below it; the upper mark consists of a hole  $\frac{1}{10}$  of an inch in diameter drilled into a plug of brass which is let flush with the upper surface of the stone. The directions and distances of the adjacent places are:—Koliyankulam W. by S., mile  $\frac{1}{2}$ ; Kudumbaparacheri N.N.E., mile 1; Alidaikurchi S.E. by E., mile 1; and Melaparacheri N.W., mile  $\frac{1}{2}$ .

**XCVIII.** Ilaiyanainárkulam Station, lat. 8° 16', long. 77° 47'—observed at in 1869—is situated in the open fields about  $3\frac{1}{2}$  miles E. by N. of Rádhápuram on the road from Idindakarai to the town of Náguneri. It is in sub-division Rádhápuram, táluk Náguneri, district Tinnevelly.

The station consists of a platform of sun-dried bricks 17 feet square enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 1.98 feet below it. The directions and distances of the circumjacent places are:—Kilaparacheri W.S.W., mile  $\frac{1}{2}$ ; Ilaiyanainárkulam S.W. by S., mile 1; Sidambarapuram S.E. by E., miles  $1\frac{1}{2}$ ; and Attukurchi E. by S., miles  $1\frac{1}{2}$ .

**XCIX.** Pëddarangapuram Station, lat. 8° 16', long. 77° 42'—observed at in 1869—is situated  $2\frac{1}{2}$  miles W. of Rádhápuram on the road from Idindakarai to the town of Náguneri. It is in sub-division Rádhápuram, táluk Náguneri, district Tinnevelly.

The station consists of a platform of sun-dried bricks 17 feet square and 3 feet high, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two marks, one on a stone imbedded in the upper surface of the pillar and the other 2.21 feet below it. The directions and distances of the adjacent places are:—Tanakarakulam S., mile 1; and Pëddarangapuram W. by S., mile  $\frac{1}{2}$ .

**C.** Cape Comorin Base-line N. End, or Paramesvaripuram Tower Station, lat. 8° 14', long. 77° 44'—observed at in 1869—is situated about 100 yards S.W. of the village of Paramesvaripuram and  $\frac{3}{4}$  of a mile W. by N. of the point where the road from Idindakarai joins the old road from Cape Comorin to Tiruchëndúr. It is in the lands of the village of Paramesvaripuram, táluk Náguneri, district Tinnevelly.

This station is the north end of the base as measured in January, February and March 1869. The position was originally selected as that of a section station of a longer line, but was subsequently made the northern terminus of a short base the measurement of which was repeated four times. The present building was designed and built by Captain B. R. Branfill, and consists of a central, isolated, hollow, pyramidal pillar of masonry 25 feet high surmounted by a circular slab of sandstone 39 inches in diameter and 6 or 7 inches thick. The isolated pillar is surrounded by a hollow conical building,  $14\frac{1}{2}$  feet in diameter at base and 6 feet at top, round and in contact with which is a tower of sun-dried bricks 20 feet square at base and 15 feet square at top. A masonry archway 5 feet wide and  $7\frac{1}{2}$  feet high runs through the basement, in the direction of the measurement, *viz*: N. and S. nearly.

The mark to which the measurements were referred is a cleanly drilled hole 0.05 of an inch in diameter in a silver core to a substantial brass plug which was run in with lead into the mark-stone. This stone is a pyramidal block 42 inches high, 30 inches square at base, and 21 inches square at top. It rests on a bed of sand, 6 inches deep, on three courses of bricks in the bottom of a masonry well sunk into the hard gravel subsoil of the place, 3 feet below the foundations of the tower. Before and after the pier was placed, enough water was poured in to saturate the sand and allow of uniform settlement. The remainder of the well was then bricked up flush with the surface of the stone. The mark is provided with a brass covering plate, having a spurious dot and circle on its upper surface.

After the completion of the measurement, a massive granite slab 32 inches in diameter and 9 or 10 inches thick, having a square recess countersunk in its lower side and engraved (as in fig.) on its surface, was placed over the mark as a title. In this stone a deep cylindrical hole 0.1 of an inch in diameter was bored rigorously in the normal of the lower or measurement-mark. It may be fitly described and known as the title-stone mark. In the recess below may be found a parchment record of the measurement of the base, stating its length as 8912.5 feet. The floor of the passage was eventually raised to within an inch or two of the surface of the stone, and the archways bricked up throughout their length, leaving only a central chamber 5 feet by 4 feet corresponding to the hollow base of the central pillar. The surface of the stone is 11.0 inches above the measurement-mark.



The slab of sandstone which copes the central pillar has a keystone in the middle containing the mark employed by the Trigonometrical surveyors. The height of this mark above the measurement-mark is 24.87 feet.

After the completion of the base-line operations one of the stone comparing piers was sunk as a bench-mark for future levelling operations. Its position is  $10\frac{1}{2}$  feet south of the south arch of the tower. It is a pyramidal block 5 feet high, 27 inches square at base and 14 inches square at top, its surface is flush with the ground-level, and 0.47 of a foot above the base-line measurement-mark.

The directions and distances of the circumjacent places are:—Rádhápuram N.N.W., miles  $1\frac{1}{4}$ ; Vëllankudi E.N.E., miles  $1\frac{1}{4}$ ; and Nakkaneri (on the old road) S.W., miles  $2\frac{1}{4}$ .

CI. Cape Comorin Base-line S. End, or Sanganeri Tower Station, lat.  $8^{\circ} 13'$ , long.  $77^{\circ} 44'$ —observed at in 1869—is situated about 1700 yards N.E. of the village of Sanganeri, about  $\frac{2}{3}$  of a mile S. of the old road from Cape Comorin to Tiruchëndúr. It is in the lands of the village of Sanganeri, sub-division Rádhápuram, táluk Nánguneri, district Tinnevelly.

This station is the south end of the base as measured in January, February and March 1869. Its position, which is half-way down the slope of an undulation, was originally selected as that of a section station of the intended base, but was subsequently made the southern extremity of a short base the measurement of which was repeated four times. The present building was designed and built by Captain B. R. Branfill, and consists of a central, isolated, hollow, pyramidal pillar of masonry 22 feet high surmounted by a circular slab of sandstone 39 inches in diameter and 6 or 7 inches thick. The isolated pillar is surrounded by a hollow conical building, 12 feet in diameter at base and 6 feet at top, round and in contact with which is a tower of sun-dried bricks 20 feet square at base and 15 feet square at top. A masonry archway 5 feet wide and  $7\frac{1}{2}$  feet high runs through the basement, in the direction of the measurement, viz., N. and S. nearly.

See description of the north end station for all particulars with the exception of the following. The title-stone mark is 8.4 inches above the measurement-mark, and the trigonometrical-mark is 21 feet  $9\frac{1}{2}$  inches above the same.

There is a bench-mark at this station, similar to that at the north end station, about 10 feet north of the north face of the tower. The directions and distances of the circumjacent places are:—Nakkaneri (on the old road from Tiruchëndúr to Cape Comorin) W., miles  $1\frac{1}{4}$ ; Ganapatipuram S.W. by W., miles  $1\frac{1}{4}$ ; and Rádhápuram N. by W., miles 3.

CII. Idindakarai Station, lat.  $8^{\circ} 11'$ , long.  $77^{\circ} 46'$ —observed at in 1869—is situated on the coast ridge about  $2\frac{3}{4}$  miles E. by N. of the Kudankulam Observatory station, in a dense jungle of thorn and prickly pear: it lies about a mile from the sea, and the same distance E. by S. of the village of Kudankulam. The station is in the lands of the village of Idindakarai, sub-division Rádhápuram, táluk Nánguneri, district Tinnevelly.

The station consists of a platform of stones 15 feet square, enclosing a solid, circular and isolated pillar of masonry  $3\frac{1}{2}$  feet in diameter, which contains two mark-stones, one imbedded in the upper surface of the pillar and the other 2.94 feet below it. The upper mark consists of a hole  $\frac{1}{10}$  of an inch in diameter drilled into a plug of brass which is let flush with the upper surface of the stone. The directions and distances of the circumjacent places are:—Viraji Kannaru N.W. by W., 1200 yards; Idindakarai village E.S.E., miles  $1\frac{1}{8}$ ; and Vijayápati E.N.E., miles  $1\frac{1}{4}$ .

CIII. Ērukandurai Tower Station, lat.  $8^{\circ} 12'$ , long.  $77^{\circ} 41'$ —observed at in 1869—is situated about 100 yards S. of the old road from Tiruchëndúr to Cape Comorin,  $5\frac{1}{4}$  miles N.E. by E. of Karunkulam at the junction of two roads, and 1300 yards N. by W. of Ērukandurai village. It is in the lands of the village of Ērukandurai, sub-division Rádhápuram, táluk Nánguneri, district Tinnevelly.

The station consists of a tower of sun-dried bricks, 18 feet square at base and 16 feet square at top, enclosing a solid, circular and isolated pillar of masonry 16.75 feet high and  $3\frac{1}{2}$  feet in diameter at top, which contains two mark-stones, one imbedded in the upper surface of the pillar and the other at the ground level. The directions and distances of the adjacent places are:—Nakkaneri (on the old road) E.N.E., miles  $1\frac{1}{4}$ ; Sanganeri E., miles  $2\frac{1}{4}$ ; Settikulam S.W. by S., miles  $3\frac{1}{4}$ ; and Koliyankulam N.N.W., miles  $1\frac{1}{4}$ .

CIV. Punnæ (Pannai) Observatory Station, lat.  $8^{\circ} 9'$ , long.  $77^{\circ} 40'$ —observed at in 1869—is situated on the coast ridge which is here of red sand covered with Palmyra palms and lies about 400 yards E. of the village of Pannai and 700 yards from the sea. It is identical with Colonel Lambton's station of "Punnæ" of 1809. When visited in 1869, Colonel Lambton's observatory had disappeared, except the foundations and the station pillar: the latter was  $4\frac{1}{2}$  feet in height and 2 feet 7 inches in diameter. The upper mark-stone

was 9 inches thick, having a hole 3 inches in diameter approximately in its centre. At 2 inches below the then ground level the pillar had a 4-inch footing and was continued to a depth of 2 feet 2 inches below this footing. It is in the lands of the village of Settikulam, sub-division Rádhápuram, táluk Náguneri, district Tinnevely.

The old upper pillar down to the footing was removed, and at the summit of the lower pillar (*i.e.* flush with the surface of the footing) the original mark-stone was imbedded in the normal of the position it occupied at the summit of the upper pillar before removal: 6 inches above this a new mark-stone 7 inches thick and 3 feet 3 inches in diameter was placed, the mark of which,  $\frac{1}{16}$  of an inch in diameter, is drilled in a trapezium of stone let into the mark-stone, and corresponds with the centre of the 3-inch hole in the original mark-stone. The floor has been raised 18 inches above the old level. The new observatory is an arched building of brick masonry 20 feet long and 10½ feet wide inside in which Pendulum observations were taken in 1869 and Latitude observations in 1871. The directions and distances of the adjacent places are:—Karunkulam (on the road from Cape Comorin to Náguneri) W.N.W., miles 3½; Settikulam W. by N., mile ¾; and Përumanal (on the sea coast) E., miles 1½.

*June, 1892.*

**S. G. BURRARD,**

*In charge of Computing Office.*



## GREAT ARC MERIDIONAL SERIES—SECTION 8° TO 18°.

## PRINCIPAL TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance		
				Log. feet	Feet	Miles
1	Dúdála, XLIV	0° 51'	42 40 48·80	4·8537543	71409·2	13·524
	Shilápalle, XLVII	51	73 49 19·91	5·0050378	101166·8	19·160
	Göraigat, I	51	63 29 51·29	4·9743669	94268·6	17·854
2	Shilápalle, XLVII	37	48 18 11·30	4·8315337	67847·5	12·850
	Göraigat, I	38	79 53 43·60	4·9516133	89456·8	16·943
	Kandänmarai, IV	38	51 48 5·10	4·8537543	71409·2	13·524
3	Göraigat, I	29	45 2 29·63	4·7517504	56461·2	10·693
	Kandänmarai, IV	30	76 42 42·45	4·8901644	77654·1	14·707
	Möthakapalle, V	29	58 14 47·92	4·8315337	67847·5	12·850
4	Kandänmarai, IV	27	98 21 1·55	4·9486134	88841·0	16·826
	Möthakapalle, V	27	42 41 18·17	4·7844787	60880·6	11·530
	Vomëkönda, VII	27	38 57 40·28	4·7517504	56461·2	10·693
5	Möthakapalle, V	36	84 1 59·59	4·9891069	97523·0	18·470
	Vomëkönda, VII	35	31 0 11·25	4·7033450	50506·2	9·566
	Anantagiri, VI	35	64 57 49·16	4·9486134	88841·0	16·826

NOTE.—1. The value of the side is given in the same line with the opposite angle.

2. Stations Dúdála XLIV and Shilápalle XLVII appertain to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle			Distance		
						Log. feet	Feet	Miles
6	Shilápalle, XLVII	0°42	32	35	11°76	4°7534808	56686·7	10°736
	Dúdála, XLIV	·42	83	49	23°67	5°0197071	104642·3	19°819
	Tadmanúr, II	·42	63	35	24°57	4°9743669	94268·6	17°854
7	Dúdála, XLIV	·30	41	8	34°48	4°8411023	69358·9	13°136
	Tadmanúr, II	·30	106	19	40°20	5°0050378	101166·8	19°160
	Göraigat, I	·29	32	31	45°32	4°7534808	56686·7	10°736
8	Dúdála, XLIV	·70	31	23	2°76	4°9912301	98000·9	18°561
	Göraigat, I	·71	116	5	44°78	5°2278872	169000·2	32°008
	Topkõnda, III	·70	32	31	12°46	5°0050378	101166·8	19°160
9	Tadmanúr, II	·53	59	3	32°03	4°9912301	98000·9	18°561
	Göraigat, I	·54	83	33	59°34	5°0551530	113541·1	21°504
	Topkõnda, III	·53	37	22	28°63	4°8411023	69358·9	13°136
10	Göraigat, I	·50	55	28	8°31	4°9227551	83705·7	15°853
	Topkõnda, III	·49	49	50	28°41	4°8901644	77654·1	14°707
	Mõthakapalle, V	·50	74	41	23°28	4°9912301	98000·9	18°561
11	Topkõnda, III	·33	28	10	19°31	4°7033450	50506·2	9°566
	Mõthakapalle, V	·33	100	20	29°29	5°0221792	105239·6	19°932
	Anantagiri, VI	·33	51	29	11°40	4°9227551	83705·7	15°853
12	Kandënmarai, IV	·44	73	18	38°88	4°9891069	97523·0	18°470
	Vomëkõnda, VII	·44	69	57	51°71	4°9806847	95649·9	18°116
	Anantagiri, VI	·44	36	43	29°41	4°7844787	60880·6	11°530
18	Anantagiri, VI	·65	59	34	15°77	4°9880983	97296·8	18°427
	Vomëkõnda, VII	·66	60	37	49°15	4°9927153	98336·6	18°624
	Kodangal, VIII	·65	59	47	55°08	4°9891069	97523·0	18°470
14	Vomëkõnda, VII	·43	78	25	31°97	5°0108456	102528·7	19°418
	Kodangal, VIII	·43	33	11	26°07	4°7580933	57291·9	10°851
	Ganapur, X	·43	68	23	1°96	4°9880983	97296·8	18°427
15	Ganapur, X	·52	37	34	9°34	4°8279729	67293·5	12°745
	Kodangal, VIII	·53	74	9	19°56	5°0260202	106174·5	20°109
	Nëlagat, XI	·52	68	16	31°10	5°0108456	102528·7	19°418
16	Kodangal, VIII	·74	64	11	57°17	5°1415476	138531·2	26°237
	Nëlagat, XI	·74	89	51	59°49	5°1871529	153869·6	29°142
	Impagat, XIII	·73	25	56	3°34	4°8279729	67293·5	12°745
17	Nëlagat, XI	·88	66	58	9°33	5°1200548	131842·3	24°970
	Impagat, XIII	·88	37	47	39°76	4°9434674	87794·5	16°628
	Pirlagat, XIV	·89	75	14	10°91	5°1415476	138531·2	26°237
18	Anantagiri, VI	·89	62	17	45°16	5°0824221	120898·8	22°898
	Kodangal, VIII	·89	71	38	18°91	5°1126087	129601·1	24°546
	Põchamagat, IX	·89	46	3	55°93	4°9927153	98336·6	18°624
19	Kodangal, VIII	1°23	57	0	58°74	5°1280919	134304·9	25°437
	Põchamagat, IX	1°24	73	56	59°87	5°1871529	153869·6	29°142
	Impagat, XIII	1°23	49	2	1°39	5°0824221	120898·8	22°898
20	Ganapur, X	0°64	52	29	14°20	4°9559971	90364·3	17°114
	Nëlagat, XI	·65	58	45	50°52	4°9885903	97407·0	18°448
	Hudági, XII	·65	68	44	55°28	5°0260202	106174·5	20°109

NOTE.—Stations Dúdála XLIV and Shilápalle XLVII appertain to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle			Distance		
						Log. feet	Feet	Miles
21	Nélagat, XI	0·61	76	7	26·16	5·0408236	109856·0	20·806
	Hudági, XII	·61	50	52	57·68	4·9434674	87794·5	16·628
	Pirlagat, XIV	·61	52	59	36·16	4·9559971	90364·3	17·114
22	Pirlagat, XIV	1·22	55	17	41·96	5·1068934	127906·7	24·225
	Impagat, XIII	1·23	66	46	34·15	5·1552737	142979·5	27·079
	Köttapalle, XV	1·22	57	55	43·89	5·1200548	131842·3	24·970
23	Impagat, XIII	1·33	48	32	12·24	5·1199463	131809·4	24·964
	Köttapalle, XV	1·33	84	48	42·20	5·2434610	175170·5	33·176
	Darúr, XVI	1·32	46	39	5·56	5·1068934	127906·7	24·225
24	Köttapalle, XV	1·01	52	35	37·16	5·0531811	113026·7	21·407
	Darúr, XVI	1·01	59	32	0·09	5·0886399	122642·2	23·228
	Maliabad, XIX	1·02	67	52	22·75	5·1199463	131809·4	24·964
25	Darúr, XVI	1·31	76	8	12·20	5·2182971	165309·3	31·309
	Maliabad, XIX	1·31	62	16	19·27	5·1781609	150716·5	28·545
	Kére Bélagal, XXI	1·30	41	35	28·53	5·0531811	113026·7	21·407
26	Maliabad, XIX	1·86	52	55	15·24	5·1873900	153953·7	29·158
	Kére Bélagal, XXI	1·87	68	8	11·85	5·2530767	179092·2	33·919
	Ádoni, XXII	1·87	58	56	32·91	5·2182971	165309·3	31·309
27	Pirlagat, XIV	1·02	69	2	18·51	5·1493102	141029·6	26·710
	Köttapalle, XV	1·01	39	44	48·42	4·9848163	96564·3	18·289
	Naikal, XVII	1·02	71	12	53·07	5·1552737	142979·5	27·079
28	Naikal, XVII	1·36	61	19	33·38	5·1542505	142643·0	27·016
	Köttapalle, XV	1·35	58	30	41·76	5·1418906	138640·7	26·258
	Chintalikunta, XVIII	1·35	60	9	44·86	5·1493102	141029·6	26·710
29	Köttapalle, XV	1·27	66	24	19·38	5·1650413	146231·6	27·695
	Chintalikunta, XVIII	1·26	50	13	32·53	5·0886399	122642·2	23·228
	Maliabad, XIX	1·27	63	22	8·09	5·1542505	142643·0	27·016
30	Chintalikunta, XVIII	1·27	65	2	13·46	5·1622103	145281·5	27·515
	Maliabad, XIX	1·27	49	6	30·15	5·0832963	121142·4	22·944
	Jánikálu, XX	1·27	65	51	16·39	5·1650413	146231·6	27·695
31	Maliabad, XIX	1·85	64	27	15·92	5·2438564	175330·1	33·206
	Jánikálu, XX	1·86	67	9	41·37	5·2530767	179092·2	33·919
	Ádoni, XXII	1·85	48	23	2·71	5·1622103	145281·5	27·515
32	Kére Bélagal, XXI	1·26	53	49	40·31	5·1129006	129688·2	24·562
	Ádoni, XXII	1·25	52	46	44·57	5·1069755	127930·9	24·229
	Pulikönda, XXIII	1·26	73	23	35·12	5·1873900	153953·7	29·158
33	Ádoni, XXII	1·77	64	15	32·55	5·2521105	178694·2	33·844
	Pulikönda, XXIII	1·77	74	55	1·47	5·2822731	191546·0	36·278
	Gadëkal, XXVI	1·76	40	49	25·98	5·1129006	129688·2	24·562
34	Pulikönda, XXIII	1·48	53	12	10·62	5·1614334	145021·8	27·466
	Gadëkal, XXVI	1·47	46	9	20·19	5·1159997	130617·0	24·738
	Gooty, XXV	1·48	80	38	29·19	5·2521105	178694·2	33·844
35	Kére Bélagal, XXI	1·35	49	30	35·41	5·1266701	133865·9	25·353
	Pulikönda, XXIII	1·35	83	52	17·14	5·2430718	175013·6	33·147
	Katömöráj, XXIV	1·34	46	37	7·45	5·1069755	127930·9	24·229



No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance		
				Log. feet	Feet	Miles
36	Pulikönda, XXIII	1°33	74 36 48°46	5°2049854	160319·1	30°363
	Katömöráj, XXIV	1°33	51 46 10°80	5°1159997	130617·0	24°738
	Gooty, XXV	1°33	53 37 0°74	5°1266701	133865·9	25°353
37	Gadëkal, XXVI	1°20	69 27 16°61	5°1724634	148752·2	28°173
	Gooty, XXV	1°19	44 38 4°15	5°0477012	111609·5	21°138
	Udarpidurga, XXVII	1°20	65 54 39°24	5°1614334	145021·8	27°466
38	Gooty, XXV	1°35	46 16 56°36	5°0839120	121314·3	22°976
	Udarpidurga, XXVII	1°35	71 18 56°07	5°2014079	159004·0	30°114
	Devarakönda, XXVIII	1°35	62 24 7°57	5°1724634	148752·2	28°173
39	Udarpidurga, XXVII	0°83	51 24 29°11	5°0053007	101228·0	19°172
	Devarakönda, XXVIII	·83	59 5 14°40	5°0457741	111115·4	21°045
	Köndapalli, XXXI	·84	69 30 16°49	5°0839120	121314·3	22°976
40	Devarakönda, XXVIII	·96	53 16 4°99	5°0832150	121119·8	22°939
	Köndapalli, XXXI	·97	84 40 43°64	5°1774671	150475·9	28°499
	Urakönda, XXXII	·96	42 3 11°37	5°0053007	101228·0	19°172
41	Köndapalli, XXXI	1°22	52 39 56°45	5°1142413	130089·2	24°638
	Urakönda, XXXII	1°23	79 34 41°90	5°2065896	160912·4	30°476
	Pávagada, XXXIII	1°22	47 45 21°65	5°0832150	121119·8	22°939
42	Gadëkal, XXVI	0°62	53 45 1°24	4°9662763	92528·7	17°524
	Udarpidurga, XXVII	·62	49 39 21°62	4°9417526	87448·5	16°562
	Hönnúr, XXIX	·62	76 35 37°14	5°0477012	111609·5	21°138
43	Hönnúr, XXIX	·87	65 5 37°65	5°0971203	125060·5	23°686
	Udarpidurga, XXVII	·88	72 45 25°67	5°1195429	131687·0	24°941
	Devádëlabëtta, XXX	·87	42 8 56°68	4°9662763	92528·7	17°524
44	Udarpidurga, XXVII	·83	48 57 2°59	4°9941756	98667·8	18°687
	Devádëlabëtta, XXX	·83	58 8 2°31	5°0457741	111115·4	21°045
	Köndapalli, XXXI	·82	72 54 55°10	5°0971203	125060·5	23°686
45	Devádëlabëtta, XXX	1°24	65 46 6°67	5°2065896	160912·4	30°476
	Köndapalli, XXXI	1°24	80 14 3°23	5°2403056	173902·4	32°936
	Pávagada, XXXIII	1°23	33 59 50°10	4°9941756	98667·8	18°687
46	Urakönda, XXXII	1°24	70 58 25°00	5°1736281	149151·7	28°248
	Pávagada, XXXIII	1°23	53 29 2°45	5°1031160	126799·1	24°015
	Yërrakönda, XXXIV	1°23	55 32 32°55	5°1142413	130089·2	24°638
47	Pávagada, XXXIII	2°20	77 50 28°15	5°3343711	215958·9	40°901
	Yërrakönda, XXXIV	2°20	59 41 33°45	5°2804014	190722·3	36°122
	Dödnirmanga, XXXVII	2°19	42 27 58°40	5°1736281	149151·7	28°248
48	Yërrakönda, XXXIV	2°02	40 46 55°89	5°1528089	142170·3	26°926
	Dödnirmanga, XXXVII	2°02	56 22 45°90	5°2582728	181247·8	34°327
	Mákalidurga, XXXVIII	2°02	82 50 18°21	5°3343711	215958·9	40°901
49	Dödnirmanga, XXXVII	0°98	60 26 5°18	5°1047363	127273·0	24°105
	Mákalidurga, XXXVIII	·98	43 15 6°99	5°0011418	100263·3	18°989
	Rámadevarabëtta, XL	·98	76 18 47°83	5°1528089	142170·3	26°926
50	Mákalidurga, XXXVIII	1°09	93 10 53°15	5°2353677	171936·4	32°564
	Rámadevarabëtta, XL	1°09	39 9 51°86	5°0364438	108753·6	20°597
	Halasúrbëtta, XXXIX	1°09	47 39 14°99	5°1047363	127273·0	24°105

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance		
				Log. feet	Feet	Miles
51	Urakönda, XXXII	1'54	56 53 10'96	5'1935784	156163'1	29'576
	Yérrakönda, XXXIV	1'54	80 15 45'69	5'2642455	183757'7	34'803
	Innáglúr, XXXV	1'54	42 51 3'35	5'1031160	126799'1	24'015
52	Innáglúr, XXXV	2'70	68 26 10'59	5'3615815	229922'5	43'546
	Yérrakönda, XXXIV	2'71	72 23 27'34	5'3722521	235641'7	44'629
	Ambájidurga, XXXVI	2'70	39 10 22'07	5'1935784	156163'1	29'576
53	Yérrakönda, XXXIV	2'57	51 19 32'81	5'2633827	183393'0	34'734
	Ambájidurga, XXXVI	2'57	50 29 45'39	5'2582728	181247'8	34'327
	Mákalidurga, XXXVIII	2'57	78 10 41'80	5'3615815	229922'5	43'546
54	Ambájidurga, XXXVI	1'40	35 54 46'51	5'0364438	108753'6	20'597
	Mákalidurga, XXXVIII	1'40	62 32 51'79	5'2162521	164532'7	31'161
	Halasúrbétta, XXXIX	1'40	81 32 21'70	5'2633827	183393'0	34'734
55	Rámadevarabétta, XL	1'66	52 54 25'47	5'1639886	145877'6	27'628
	Halasúrbétta, XXXIX	1'66	57 0 59'58	5'1858445	153406'8	29'054
	Savandurga, XLI	1'67	70 4 34'95	5'2353677	171936'4	32'564
56	Rámadevarabétta, XL	1'18	49 47 38'14	5'0819613	120770'6	22'873
	Savandurga, XLI,	1'19	54 14 58'73	5'1083491	128336'2	24'306
	Rangaswámibétta, XLIII	1'19	75 57 23'13	5'1858445	153406'8	29'054
57	Savandurga, XLI	0'61	42 32 32'60	4'9131427	81873'4	15'506
	Rangaswámibétta, XLIII	'61	51 37 16'37	4'9773827	94925'5	17'978
	Hemagiri, XLIV	'62	85 50 11'03	5'0819613	120770'6	22'873
58	Savandurga, XLI	1'06	58 17 38'58	5'1071928	127994'9	24'241
	Halasúrbétta, XXXIX	1'06	45 51 55'21	5'0333336	107977'6	20'450
	Bannergatta, XLII	1'06	75 50 26'21	5'1639886	145877'6	27'628
59	Halasúrbétta, XXXIX	1'01	72 13 34'48	5'1414716	138507'0	26'232
	Bannergatta, XLII	1'01	46 7 54'54	5'0206086	104859'7	19'860
	Tirthapalli, XLVI	1'01	61 38 30'98	5'1071928	127994'9	24'241
60	Tirthapalli, XLVI	0'88	44 45 44'43	4'9953918	98944'5	18'739
	Bannergatta, XLII	'89	54 55 48'76	5'0607093	115003'0	21'781
	Hösúr, L	'89	80 18 26'81	5'1414716	138507'0	26'232
61	Hösúr, L	'56	45 16 28'57	4'8876657	77208'6	14'623
	Bannergatta, XLII	'57	69 9 0'35	5'0066960	101553'8	19'234
	Turukungutta, LI	'56	65 34 31'08	4'9953918	98944'5	18'739
62	Bannergatta, XLII	'26	36 55 34'52	4'6786222	47711'4	9'036
	Turukungutta, LI	'27	66 36 39'46	4'8626645	72889'4	13'805
	Bangalore Base-line S.W. End, LII	'27	76 27 46'02	4'8876657	77208'6	14'623
63	Turukungutta, LI	'12	46 13 23'60	4'5573104	36083'6	6'834
	Bangalore Base-line S.W. End, LII	'12	61 5 8'50	4'6409274	43744'9	8'285
	Bangalore Base-line N.E. End, LIII	'12	72 41 27'90	4'6786222	47711'4	9'036
64	Hösúr, L	'68	34 12 51'73	4'8770744	75348'5	14'271
	Tirthapalli, XLVI	'69	86 40 8'16	5'1263791	133776'3	25'336
	Bhúpatamma, XLIX	'68	59 7 0'11	5'0607093	115003'0	21'781
65	Tirthapalli, XLVI	'32	39 31 20'34	4'7365755	54522'5	10'326
	Bhúpatamma, XLIX	'32	78 54 2'78	4'9246596	84073'6	15'923
	Kolar, XLVIII	'32	61 34 36'88	4'8770744	75348'5	14'271

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance		
				Log. feet	Feet	Miles
66	Savandurga, XLI	0° 92	54 49 20° 61	5° 0519944	112718·3	21·348
	Bannergatta, XLII	° 93	73 38 31° 84	5° 1216304	132321·5	25° 061
	Bánatimaribétta, XLV	° 92	51 32 7° 55	5° 0333336	107977·6	20° 450
67	Bannergatta, XLII	° 50	52 39 25° 07	4° 9524485	89629° 0	16° 975
	Bánatimaribétta, XLV	° 49	38 25 20° 45	4° 8454801	70061° 6	13° 269
	Devarabétta, LV	° 50	88 55 14° 48	5° 0519944	112718·3	21° 348
68	Bánatimaribétta, XLV	° 58	75 14 38° 49	5° 0246792	105847° 2	20° 047
	Devarabétta, LV	° 57	49 47 9° 98	4° 9221324	83585° 8	15° 831
	Köppabétta, LVIII	° 57	54 58 11° 53	4° 9524485	89629° 0	16° 975
69	Devarabétta, LV	° 54	43 42 18° 98	4° 8758232	75131° 7	14° 229
	Köppabétta, LVIII	° 54	59 32 0° 79	4° 9718473	93723° 3	17° 751
	Mariyálam, LVII	° 54	76 45 40° 23	5° 0246792	105847° 2	20° 047
70	Savandurga, XLI	° 98	80 0 48° 10	5° 1728174	148873° 5	28° 196
	Bánatimaribétta, XLV	° 97	38 54 0° 20	4° 9773827	94925° 5	17° 978
	Hemagiri, XLIV	° 98	61 5 11° 70	5° 1216304	132321° 5	25° 061
71	Bannergatta, XLII	° 46	56 47 48° 73	4° 9258238	84299° 3	15° 966
	Devarabétta, LV	° 46	79 8 34° 26	4° 9953918	98944° 5	18° 739
	Hösúr, L	° 46	44 3 37° 01	4° 8454801	70061° 6	13° 269
72	Hösúr, L	° 35	84 7 24° 12	4° 9771568	94876° 1	17° 969
	Devarabétta, LV	° 35	33 45 58° 62	4° 7243688	53011° 3	10° 040
	Ánehéttidurga, LVI	° 35	62 6 37° 26	4° 9258238	84299° 3	15° 966
73	Devarabétta, LV	° 64	64 40 40° 62	5° 0038551	100891° 6	19° 108
	Ánehéttidurga, LVI	° 63	57 6 28° 35	4° 9718473	93723° 3	17° 751
	Mariyálam, LVII	° 63	58 12 51° 03	4° 9771568	94876° 1	17° 969
74	Hösúr, L	° 53	35 1 58° 04	4° 8223569	66428° 9	12° 581
	Turukungutta, LI	° 53	83 36 56° 92	5° 0607093	115003° 0	21° 781
	Tirthapalli, XLVI	° 53	61 21 5° 04	5° 0066960	101553° 8	19° 234
75	Tirthapalli, XLVI	° 17	36 7 16° 01	4° 5945737	39316° 4	7° 446
	Turukungutta, LI	° 18	59 0 1° 68	4° 7571620	57169° 2	10° 827
	Mandúr, LIV	° 18	84 52 42° 31	4° 8223569	66428° 9	12° 581
76	Turukungutta, LI	° 08	38 58 25° 52	4° 4474874	28021° 3	5° 307
	Mandúr, LIV	° 09	79 4 53° 06	4° 6409274	43744° 9	8° 285
	Bangalore Base-line N.E. End, LIII	° 09	61 56 41° 42	4° 5945737	39316° 4	7° 446
77	Halasúrbétta, XXXIX	° 45	33 38 43° 08	4° 7735338	59365° 5	11° 243
	Tirthapalli, XLVI	° 46	68 13 4° 09	4° 9978142	99498° 0	18° 844
	Nandigudi, XLVII	° 46	78 8 12° 83	5° 0206086	104859° 7	19° 860
78	Tirthapalli, XLVI	° 34	59 11 8° 30	4° 8693585	74021° 6	14° 019
	Nandigudi, XLVII	° 34	77 16 49° 40	4° 9246596	84073° 6	15° 923
	Kolar, XLVIII	° 34	43 32 2° 30	4° 7735338	59395° 5	11° 243
79	Köppabétta, LVIII	° 51	60 58 11° 83	4° 9525549	89651° 0	16° 979
	Mariyálam, LVII	° 51	71 54 42° 69	4° 9888507	97465° 5	18° 459
	Pönnásibétta, LIX	° 50	47 7 5° 48	4° 8758232	75131° 7	14° 229
80	Mariyálam, LVII	° 44	65 49 21° 23	4° 9422564	87550° 1	16° 581
	Pönnásibétta, LIX	° 44	45 4 56° 99	4° 8322370	67957° 4	12° 871
	Guttiráyan, LX	° 44	69 5 41° 78	4° 9525549	89651° 0	16° 979

PRINCIPAL TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle			Distance		
						Log. feet	Feet	Miles
81	Guttirayan, LX	0° 61	63	22	27° 33	4° 9924597	98278·8	18·613
	Pönnásibëtta, LIX	° 61	63	50	29° 44	4° 9942173	98677·3	18·689
	Karadigutta, LXII	° 61	52	47	3° 23	4° 9422564	87550·1	16·581
82	Pönnásibëtta, LIX	° 67	78	47	8° 03	5° 0722992	118113·4	22·370
	Karadigutta, LXII	° 66	46	30	35° 40	4° 9413046	87358·4	16·545
	Bodamalai, LXIII	° 67	54	42	16° 57	4° 9924597	98278·8	18·613
83	Köppabëtta, LVIII	° 61	77	35	34° 35	5° 0513697	112556·3	21·317
	Pönnásibëtta, LIX	° 61	44	39	35° 13	4° 9085234	81007·2	15·342
	Bandhallidurga, LXI	° 61	57	44	50° 52	4° 9888507	97465·5	18·459
84	Pönnásibëtta, LIX	° 77	80	30	41° 33	5° 1159710	130608·4	24·736
	Bandhallidurga, LXI	° 76	41	16	39° 00	4° 9413046	87358·4	16·545
	Bodamalai, LXIII	° 77	58	12	39° 67	5° 0513697	112556·3	21·317
85	Bodamalai, LXIII	° 88	65	13	8° 49	5° 0793631	120050·2	22·737
	Karadigutta, LXII	° 87	51	29	38° 67	5° 0148257	103472·7	19·597
	Pálamalai, LXIV	° 88	63	17	12° 84	5° 0722992	118113·4	22·370
86	Karadigutta, LXII	1° 10	50	31	53° 08	5° 0762908	119204·0	22·577
	Pálamalai, LXIV	1° 11	78	26	26° 06	5° 1797894	151282·8	28·652
	Kanjamalai, LXV	1° 11	51	1	40° 86	5° 0793631	120050·2	22·737
87	Kanjamalai, LXV	0° 84	65	7	5° 21	5° 0728463	118262·3	22·398
	Pálamalai, LXIV	° 83	48	45	39° 95	4° 9913533	98028·7	18·566
	Morúr, LXVII	° 84	66	7	14° 84	5° 0762908	119204·0	22·577
88	Pálamalai, LXIV	1° 12	69	40	36° 53	5° 1481674	140659·0	26·640
	Morúr, LXVII	1° 12	58	17	1° 72	5° 1058384	127596·4	24·166
	Komálkaradu, LXVIII	1° 11	52	2	21° 75	5° 0728463	118262·3	22·398
89	Bodamalai, LXIII	1° 03	72	43	36° 69	5° 1488667	140885·6	26·683
	Pálamalai, LXIV	1° 02	62	44	24° 17	5° 1177801	131153·6	24·840
	Urugamalai, LXVI	1° 02	44	31	59° 14	5° 0148257	103472·7	19·597
90	Pálamalai, LXIV	0° 85	37	5	34° 64	4° 9361190	86321·5	16·349
	Urugamalai, LXVI	° 86	63	3	39° 39	5° 1058384	127596·4	24·166
	Komálkaradu, LXVIII	° 86	79	50	45° 97	5° 1488667	140885·6	26·683
91	Komálkaradu, LXVIII	1° 08	68	25	48° 95	5° 1487360	140843·2	26·675
	Morúr, LXVII	1° 07	43	19	41° 84	5° 0167032	103921·0	19·682
	Chénnimalai, LXIX	1° 07	68	14	29° 21	5° 1481674	140659·0	26·640
92	Morúr, LXVII	0° 94	43	4	14° 70	4° 9934608	98505·6	18·656
	Chénnimalai, LXIX	° 94	59	23	55° 16	5° 0939701	124156·7	23·515
	Yéttimalai, LXX	° 95	77	31	50° 14	5° 1487360	140843·2	26·675
93	Yéttimalai, LXX	° 41	46	22	10° 85	4° 8545111	71533·8	13·548
	Chénnimalai, LXIX	° 42	48	16	24° 12	4° 8678186	73759·6	13·979
	Tirumankaradu, LXXII	° 42	85	21	25° 03	4° 9934608	98505·6	18·656
94	Chénnimalai, LXIX	° 39	67	43	14° 22	4° 9106083	81397·0	15·416
	Tirumankaradu, LXXII	° 39	57	52	4° 22	4° 8720970	74489·8	14·108
	Alagumalai, LXXIII	° 39	54	24	41° 56	4° 8545111	71533·8	13·548
95	Komálkaradu, LXVIII	° 47	77	6	22° 57	5° 0311073	107425·5	20·346
	Chénnimalai, LXIX	° 47	32	20	4° 64	4° 7704408	58944·2	11·164
	Thittamalai, LXXI	° 47	70	33	32° 79	5° 0167032	103921·0	19·682

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle				Distance		
							Log. feet	Feet	Miles
96	Chënnimalai, LXXIX	0° 63'	84	1	48° 73'	5° 0941050	124195' 3	23' 522	
	Thittamalai, LXXI	0° 63'	36	37	17° 70'	4° 8720970	74489' 8	14' 108	
	Alagumalai, LXXIII	0° 63'	59	20	53° 57'	5° 0311073	107425' 5	20' 346	
97	Alagumalai, LXXIII	0° 74'	58	18	57° 70'	5° 0634442	115729' 5	21' 918	
	Tirumankaradu, LXXII	0° 74'	84	55	14° 24'	5° 1318271	135405' 0	25' 656	
	Paruttimalai, LXXIV	0° 74'	36	45	48° 06'	4° 9106083	81397' 0	15' 416	
98	Tirumankaradu, LXXII	1° 09'	53	1	29° 67'	5° 0874765	122314' 1	23' 166	
	Paruttimalai, LXXIV	1° 10'	77	52	18° 92'	5° 1751826	149686' 5	28' 350	
	Rangamalai, LXXVII	1° 09'	49	6	11° 41'	5° 0634442	115729' 5	21' 918	
99	Paruttimalai, LXXIV	1° 29'	88	46	19° 88'	5° 2528101	178982' 3	33' 898	
	Rangamalai, LXXVII	1° 29'	48	7	52° 54'	5° 1248770	133314' 4	25' 249	
	Përumálmalai, LXXVIII	1° 29'	43	5	47° 58'	5° 0874765	122314' 1	23' 166	
100	Alagumalai, LXXIII	0° 88'	41	53	44° 10'	4° 9691162	93135' 7	17' 639	
	Paruttimalai, LXXIV	0° 88'	61	52	16° 23'	5° 0899003	122998' 7	23' 295	
	Köllupálayam, LXXV	0° 88'	76	13	59° 67'	5° 1318271	135465' 0	25' 656	
101	Köllupálayam, LXXV	0° 65'	79	40	13° 90'	5° 0679598	116939' 1	22' 148	
	Paruttimalai, LXXIV	0° 64'	48	44	37° 67'	4° 9511402	89359' 4	16' 924	
	Chaklichimalai, LXXVI	0° 65'	51	35	8° 43'	4° 9691162	93135' 7	17' 639	
102	Paruttimalai, LXXIV	0° 88'	45	58	33° 71'	4° 9951498	98889' 4	18' 729	
	Chaklichimalai, LXXVI	0° 89'	75	46	49° 54'	5° 1248770	133314' 4	25' 249	
	Përumálmalai, LXXVIII	0° 89'	58	14	36° 75'	5° 0679598	116939' 1	22' 148	
103	Rangamalai, LXXVII	2° 08'	56	18	48° 24'	5° 2250445	167897' 6	31' 799	
	Përumálmalai, LXXVIII	2° 08'	61	11	8° 34'	5° 2474737	176796' 5	33' 484	
	Kalugumalai, LXXX	2° 08'	62	30	3° 42'	5° 2528101	178982' 3	33' 898	
104	Përumálmalai, LXXVIII	1° 83'	34	53	0° 90'	5° 1129373	129699' 2	24' 564	
	Rangamalai, LXXVII	1° 84'	93	0	11° 60'	5° 3550121	226470' 7	42' 892	
	Mudimalai, LXXIX	1° 83'	52	6	47° 50'	5° 2528101	178982' 3	33' 898	
105	Rangamalai, LXXVII	1° 08'	36	41	22° 04'	5° 0266127	106319' 4	20' 136	
	Mudimalai, LXXIX	1° 09'	96	31	9° 68'	5° 2474737	176796' 5	33' 484	
	Kalugumalai, LXXX	1° 08'	46	47	28° 28'	5° 1129373	129699' 2	24' 564	
106	Përumálmalai, LXXVIII	3° 51'	77	20	30° 60'	5° 4560831	285813' 8	54' 131	
	Kalugumalai, LXXX	3° 50'	67	41	14° 39'	5° 4329699	271000' 4	51' 326	
	Pemalai, LXXXII	3° 50'	34	58	15° 01'	5° 2250445	167897' 6	31' 799	
107	Kalugumalai, LXXX	3° 51'	38	18	32° 69'	5° 2530356	179075' 3	33' 916	
	Pemalai, LXXXII	3° 51'	60	2	27° 89'	5° 3984218	250277' 5	47' 401	
	Kutipárai, LXXXI	3° 51'	81	38	59° 42'	5° 4560831	285813' 8	54' 131	
108	Përumálmalai, LXXVIII	3° 82'	31	53	43° 32'	5° 2530356	179075' 3	33' 916	
	Pemalai, LXXXII	3° 82'	95	0	46° 09'	5° 5284334	337624' 0	63' 944	
	Kutipárai, LXXXI	3° 82'	53	5	30° 59'	5° 4329699	271000' 4	51' 326	
109	Pemalai, LXXXII	1° 79'	85	11	58° 73'	5° 3235728	210655' 5	39' 897	
	Kutipárai, LXXXI	1° 79'	36	54	8° 28'	5° 1035774	126933' 8	24' 040	
	Përiyúr, LXXXIV	1° 79'	57	53	52° 99'	5° 2530356	179075' 3	33' 916	
110	Kutipárai, LXXXI	1° 26'	36	25	20° 05'	5° 1202893	131913' 5	24' 984	
	Përiyúr, LXXXIV	1° 26'	35	2	41° 85'	5° 1057770	127578' 4	24' 163	
	Koìlpati, LXXXIII	1° 26'	108	31	58° 10'	5° 3235728	210655' 5	39' 897	

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle			Distance		
						Log. feet	Feet	Miles
111	Pemalai, LXXXII	1° 32'	44	34	30° 61'	5° 1202893	131913·5	24° 984
	Përiyúr, LXXXIV	1° 32'	92	56	36° 57'	5° 2734751	187704·7	35° 550
	Koilpati, LXXXIII	1° 32'	42	28	52° 82'	5° 1035774	126933·8	24° 040
112	Përiyúr, LXXXIV	1° 26'	67	4	23° 65'	5° 1626746	145436·9	27° 545
	Koilpati, LXXXIII	1° 26'	56	16	22° 63'	5° 1183759	131333·6	24° 874
	Kutaitatti, LXXXVI	1° 26'	56	39	13° 72'	5° 1202893	131913·5	24° 984
113	Koilpati, LXXXIII	1° 03'	67	52	45° 01'	5° 1492916	141023·5	26° 709
	Kutaitatti, LXXXVI	1° 02'	39	18	1° 61'	4° 9841660	96419·7	18° 261
	Kulayanallúr, LXXXV	1° 03'	72	49	13° 38'	5° 1626746	145436·9	27° 545
114	Përiyúr, LXXXIV	1° 46'	43	51	32° 55'	5° 1492916	141023·5	26° 709
	Kutaitatti, LXXXVI	1° 46'	95	57	16° 15'	5° 3062800	202432·4	38° 339
	Kulayanallúr, LXXXV	1° 45'	40	11	11° 30'	5° 1183759	131333·6	24° 874
115	Kulayanallúr, LXXXV	0° 78'	55	27	7° 82'	5° 0653907	116249·4	22° 017
	Kutaitatti, LXXXVI	° 77'	36	51	49° 41'	4° 9277353	84671·1	16° 036
	Valanád, LXXXVII	° 78'	87	41	2° 77'	5° 1492916	141023·5	26° 709
116	Kutaitatti, LXXXVI	1° 01'	59	13	34° 38'	5° 0824114	120895·8	22° 897
	Valanád, LXXXVII	1° 01'	65	3	58° 51'	5° 1058296	127593·8	24° 165
	Kanimárpöttai, XCI	1° 00'	55	42	27° 11'	5° 0653907	116249·4	22° 017
117	Valanád, LXXXVII	0° 91'	50	57	8° 26'	5° 0209498	104942·1	19° 875
	Kanimárpöttai, XCI	° 92'	65	34	45° 98'	5° 0900370	123037·4	23° 303
	Ittamöli, XC	° 91'	63	28	5° 76'	5° 0824114	120895·8	22° 897
118	Kulayanallúr, LXXXV	° 58'	61	6	51° 39'	4° 9753405	94480·1	17° 894
	Valanád, LXXXVII	° 59'	67	11	40° 42'	4° 9976914	99469·8	18° 839
	Pulláváli, LXXXVIII	° 58'	51	41	28° 19'	4° 9277353	84671·1	16° 036
119	Pulláváli, LXXXVIII	° 57'	86	53	34° 26'	5° 0730653	118321·9	22° 409
	Valanád, LXXXVII	° 57'	40	13	53° 65'	4° 8838550	76534·1	14° 495
	Tiruchëndúr, LXXXIX	° 57'	52	52	32° 09'	4° 9753405	94480·1	17° 894
120	Valanád, LXXXVII	° 86'	48	52	11° 67'	4° 9997086	99932·9	18° 927
	Tiruchëndúr, LXXXIX	° 87'	68	1	37° 88'	5° 0900370	123037·4	23° 303
	Ittamöli, XC	° 87'	63	6	10° 45'	5° 0730653	118321·9	22° 409
121	Kanimárpöttai, XCI	° 48'	43	31	7° 72'	4° 8625280	72866·5	13° 801
	Ittamöli, XC	° 49'	53	51	52° 23'	4° 9317753	85462·4	16° 186
	Rádhápuram, XCII	° 49'	82	37	0° 05'	5° 0209498	104942·1	19° 875
122	Ittamöli, XC	° 22'	31	41	3° 45'	4° 5998739	39799·2	7° 538
	Rádhápuram, XCII	° 22'	74	14	16° 10'	4° 8628719	72924·2	13° 811
	Vijayápati, XCIII	° 22'	74	4	40° 45'	4° 8625280	72866·5	13° 801
123	Vijayápati, XCIII	° 10'	66	35	59° 82'	4° 6054748	40315·8	7° 636
	Rádhápuram, XCII	° 09'	48	26	32° 98'	4° 5168186	32871·4	6° 226
	Kudankulam, XCV	° 10'	64	57	27° 20'	4° 5998739	39799·2	7° 538
124	Kanimárpöttai, XCI	° 30'	30	16	3° 25'	4° 6593148	45636·8	8° 643
	Rádhápuram, XCII	° 31'	79	0	56° 93'	4° 9488207	88883·4	16° 834
	Manpöttai, XCIV	° 30'	70	42	59° 82'	4° 9317753	85462·4	16° 186
125	Rádhápuram, XCII	° 14'	75	41	12° 69'	4° 7234518	52899·5	10° 019
	Manpöttai, XCIV	° 14'	47	36	2° 23'	4° 6054748	40315·8	7° 636
	Kudankulam, XCV	° 14'	56	42	45° 08'	4° 6593148	45636·8	8° 643

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle			Distance		
						Log. feet	Feet	Miles
126	Rádhápuram, XCII	0°05	41	27	2°19	4°4352256	27241·2	5°159
	Kudankulam, XCV	°05	36	58	59°43	4°3936782	24755·9	4°689
	Arasákulam, XCVI	°06	101	33	58°38	4°6054748	40315·8	7°636
127	Rádhápuram, XCII	°05	40	27	34°06	4°4221637	26434·1	5°006
	Kudankulam, XCV	°06	41	18	15°66	4°4295597	26888·1	5°092
	Tanakarakulam, XCVII	°06	98	14	9°38	4°6054748	40315·8	7°636
128	Kudankulam, XCV	°02	36	58	58°85	4°2390045	17338·2	3°284
	Arasákulam, XCVI	°02	33	57	25°08	4°2067901	16098·7	3°049
	Cape Comorin Base-line S. End, CI	°02	109	3	36°07	4°4352256	27241·2	5°159
129	Kudankulam, XCV	°02	41	18	16°31	4°2515991	17848·4	3°380
	Tanakarakulam, XCVII	°02	36	32	16°26	4°2067901	16098·7	3°049
	Cape Comorin Base-line S. End, CI	°03	102	9	27°43	4°4221637	26434·1	5°006
130	Arasákulam, XCVI	°01	30	16	45°47	3°9500014	8912·5	1°688
	Cape Comorin Base-line S. End, CI	°01	70	56	25°80	4°2228997	16707·1	3°164
	Cape Comorin Base-line N. End, C	°02	78	46	48°73	4°2390045	17338·2	3°284
131	Tanakarakulam, XCVII	°01	28	36	47°64	3°9500014	8912·5	1°688
	Cape Comorin Base-line S. End, CI	°02	77	50	30°62	4°2599093	18193·2	3°446
	Cape Comorin Base-line N. End, C	°01	73	32	41°74	4°2515991	17848·4	3°380
132	Arasákulam, XCVI	°02	62	59	24°19	4°2491196	17746·8	3°361
	Cape Comorin Base-line S. End, CI	°02	56	30	10°10	4°2203978	16611·1	3°146
	Idindakarai, CII	°02	60	30	25°71	4°2390045	17338·2	3°284
133	Kudankulam, XCV	°02	69	21	13°29	4°2491196	17746·8	3°361
	Cape Comorin Base-line S. End, CI	°01	52	33	25°96	4°1777473	15057·3	2°852
	Idindakarai, CII	°02	58	5	20°75	4°2067901	16098·7	3°049
134	Tanakarakulam, XCVII	°02	74	18	1°20	4°2529008	17902·0	3°391
	Cape Comorin Base-line S. End, CI	°01	31	59	53°76	3°9936016	9853·8	1°866
	Érukandurai, CIII	°01	73	42	5°04	4°2515991	17848·4	3°380
135	Kudankulam, XCV	°02	59	14	21°01	4°2529008	17902·0	3°391
	Cape Comorin Base-line S. End, CI	°02	70	9	33°67	4°2921746	19596·3	3°711
	Érukandurai, CIII	°02	50	36	5°32	4°2067901	16098·7	3°049
136	Arasákulam, XCVI	°02	37	19	47°84	4°1848205	15304·6	2°899
	Cape Comorin Base-line N. End, C	°02	101	13	9°84	4°3936783	24755·9	4°689
	Rádhápuram, XCII	°02	41	27	2°32	4°2228997	16707·1	3°164
137	Tanakarakulam, XCVII	°02	33	5	5°49	4°1848205	15304·6	2°899
	Cape Comorin Base-line N. End, C	°02	106	27	19°62	4°4295597	26888·1	5°092
	Rádhápuram, XCII	°02	40	27	34°89	4°2599093	18193·2	3°446
138	Arasákulam, XCVI	°02	62	55	3°84	4°2371506	17264·4	3°270
	Cape Comorin Base-line N. End, C	°02	57	35	3°14	4°2140231	16369·0	3°106
	Ilaiyanainárkulam, XCVIII	°02	59	29	53°02	4°2228997	16707·1	3°164
139	Rádhápuram, XCII	°02	76	43	50°53	4°2371506	17264·4	3°270
	Cape Comorin Base-line N. End, C	°02	43	38	6°68	4°0877924	12240·3	2°318
	Ilaiyanainárkulam, XCVIII	°02	59	38	2°79	4°1848205	15304·6	2°899
140	Tanakarakulam, XCVII	°02	69	53	32°03	4°2508084	17815·9	3°374
	Cape Comorin Base-line N. End, C	°01	36	35	5°24	4°0533755	11307·7	2°142
	Péddarangapuram, XCIX	°02	73	31	22°73	4°2599093	18193·2	3°446

PRINCIPAL TRIANGULATION. TRIANGLES.

39—4.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance		
				Log. feet	Feet	Miles
141	Rádhápuram, XCII	0°02	61 15 35·67	4·2508084	17815·9	3·374
	Cape Comorin Base-line N. End, C	·02	69 52 14·37	4·2805306	19077·9	3·613
	Péddarangapuram, XCLX	·02	48 52 9·96	4·1848205	15304·6	2·899
142	Érukandurai, CIII	·03	76 53 38·74	4·3768131	23812·9	4·510
	Kudankulam, XCV	·03	49 49 59·03	4·2714643	18683·8	3·539
	Punnæ Observatory, CIV	·03	53 16 22·23	4·2921746	19596·3	3·711

April, 1893.

J. ECCLES,  
In charge of Computing Office.



## GREAT ARC MERIDIONAL SERIES—SECTION 8° TO 18°.

## SECONDARY TRIANGULATION. TRIANGLES.

## PRINCIPAL-AUXILIARY AND SECONDARY STATIONS, AND INTERSECTED POINTS.

Differences between the common sides of two triangles are shown by the small figures in the 5th and 12th columns between the data of the triangles, the first in order having supplied the greater value.

Triangle No. or	Station	Corrected Plane Angle			Distance			Theodolite used	Triangle No. or	Station	Corrected Plane Angle			Distance			Theodolite used
		o	'	"	Log. feet	Feet	Miles				Log. feet	Feet	Miles				
143	Shilápalle, XLI.VII	97	35	56	4.913100	81865	15.505	C.T.I.	148	Göraigat, I	31	31	51	4.550155	35494	6.722	Inch
	Malliga	47	50	11	4.786884	61219	11.595	"		Kandénmarai, IV	56	56	14	4.754971	56881	10.773	"
	Gopanpalle Hill Pagoda				4.679772	46857	8.874	"		Kotamaripalle Hill Mark (helio.)				4.831534	67847	12.850	"
144	Shilápalle, XL.VII	15	42	25	4.456619	28617	5.420	"	149	Kandénmarai, IV	43	7	25	4.608714	40618	7.693	"
	Göraigat, I	26	47	21	4.677999	47643	9.023	"		Möthakapalle, V	65	1	54	4.731316	53866	10.202	"
	Chintalgat Hill Fort				4.853754	71409	13.524	"		Koatpalle Mark (helio.)				4.731750	56461	10.693	"
145	Dádála, XLIV	89	42	47	5.012478	102915	19.491	"	150	Anantagiri, VI	56	33	26	4.942335	83991	15.907	"
	Shilápalle, XL.VII	23	56	33	4.620817	41765	7.910	"		Vomékönda, VII	47	46	36	4.872385	74539	14.117	"
	Maravalle Tree				4.974367	94269	17.854	"		Devanür				4.989107	97523	18.470	"
146	Shilápalle, XL.VII	49	52	47	4.896872	78863	14.936	"	151	Vomékönda, VII	12	51	14	4.384174	24220	4.587	"
	Göraigat, I	86	17	54	5.012478	102915	19.491	"		Kodangal, VIII	50	29	13	4.924235	83991	15.907	"
	Maravalle Tree				4.853754	71409	13.524	"		Devanür				4.988098	97297	18.427	"
147	Shilápalle, XL.VII	15	40	16	4.779994	60255	11.412	"	152	Vomékönda, VII	64	2	37	4.869082	73974	14.010	"
	Göraigat, I	2	59	56	4.067085	11670	2.210	"		Ganapur, X	71	49	15	4.893023	78167	14.804	"
	Kupanagar Turret				4.853754	71409	13.524	"		Akampalle				4.758093	57292	10.851	"

NOTE.—1. Names followed by Roman numerals are those of Principal Stations.

2. The value of the side is given in the same line with the opposite angle.

3. Stations Malliga h.s. Shilápalle XL.VII and Dádála XLIV appertain to the Great Arc Meridional Series—Section 18° to 24°.

4. C.T.I. stands for "Circular Transit Instrument"—probably a small theodolite with complete vertical circle.

5. By a principal-auxiliary station is meant a station auxiliary to a principal station at which observations were taken to fix unvisited points.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		°	'	"	Log. feet	Feet	Miles	
153	Anantagiri, VI Vomékonda, VII Akampalle	44	19	30	4'893023 5'033685 4'989107	78167 108065 97523	14.804 20.467 18.470	Inch 24 "
154	Vomékonda, VII Kodangal, VIII Linguanapalle	12	1	9	4'378518 5'032833 4'988098	23097 107853 97297	4.528 20.427 18.427	" " "
155	Anantagiri, VI Vomékonda, VII Linguanapalle	72	2	57	5'032833 4'929707 4'989107	107853 85056 97523	20.427 16.109 18.470	" " "
156	Göraigat, I Tadmanür, II Kumkoal Bungalow	154	50	41	4'898978 4'032488 4'841102	79246 10777 69359	15.009 2.041 13.136	" " "
157	Göraigat, I Tadmanür, II Budarám Hill Temple	122	46	1	4'866175 3'854904 4'841102	73481 7100 69359	13.917 1.356 13.136	" " "
158	Göraigat, I Topkonda, III Sangarédipet Building	26	20	46	4'638410 4'943707 4'991230	43402 87843 98001	8.237 16.637 18.561	C.T.I. " "
159	Göraigat, I Tadmanür, II Sangarédipet Building	57	13	14	4'886520 4'943707 4'841102	77005 87843 69359	14.584 16.637 13.136	" " "
160	Anantagiri, VI Kodangal, VIII Kotamaripalle	115	40	35	5'167497 4'873596 4'992715	147061 74747 98337	27.852 14.157 18.624	" " "
161	Göraigat, I Topkonda, III Kotamaripalle	69	9	25	4'974168 4'755941 4'991230	94225 57009 98001	17.846 10.797 18.561	" " "
162	Göraigat, I Kotamaripalle Gopálavaram Hill Fort	87	42	45	4'758191 3'030614 4'755941	57305 8533 57009	10.853 1.614 10.797	" " "
163	Göraigat, I Kotamaripalle Nágarédipalle	34	33	52	4'719288 4'945305 4'755941	52395 88167 57009	9.923 16.608 10.797	" " "
164	Kotamaripalle Nágarédipalle Nakalgutta	47	0	48	4'583746 4'568071 4'719288	38348 36989 52395	7.263 7.006 9.923	" " "
165	Göraigat, I Kotamaripalle Nakalgutta	39	42	46	4'568071 4'701463 4'755941	36989 50288 57009	7.006 9.524 10.797	Inch C.T.I. "
166	Tadmanür, II Topkonda, III Sadáshivpet Bungalow (helio.)	19	32	11	4'735213 4'833235 5'055153	54352 68114 113541	10.294 12.900 21.504	24 " "
167	Anantagiri, VI Kodangal, VIII Pargi	76	9	48	4'986347 4'602701 4'992715	96905 40059 98337	18.353 7.587 18.624	C.T.I. " "
168	Kodangal, VIII Pöchamagat, IX Pargi	47	58	26	4'960075 4'986347 5'082422	91217 96905 120899	17.276 18.353 22.898	" " "
169	Impágat, XIII Köttapalle, XV Balchakramgutta Hill Peak	37	55	52	4'934459 5'132009 5'106893	85992 135709 127907	16.286 25.702 24.225	24 " "
170	Impágat, XIII Pírlagat, XIV Balchakramgutta Hill Peak	28	50	43	4'824418 5'132009 5'120055	66745 135709 131842	12.641 25.702 24.970	" " "
171	Anantagiri, VI Pöchamagat, IX Píalmudi	57	37	50	5'085948 5'089878 5'112609	121884 122992 129601	23.084 23.294 24.546	" " "
172	Kodangal, VIII Pöchamagat, IX Píalmudi	85	56	34	5'085948 4'418798 5'082422	121884 26230 120899	23.084 4.968 22.898	" " "
173	Impágat, XIII Köttapalle, XV Yádgiri Hill Mark	48	35	31	5'132668 5'256754 5'106893	135727 180615 127907	25.706 34.207 24.225	" " "
174	Pírlagat, XIV Köttapalle, XV Yádgiri Hill Mark	69	53	57	5'132668 4'838674 5'155274	135727 68972 142979	25.706 13.063 27.079	" " "
175	Impágat, XIII Köttapalle, XV Nárayanpet Hill Tomb	57	30	28	5'035140 4'762469 5'106893	108428 57872 127907	20.536 10.961 24.225	" " "
176	Impágat, XIII Köttapalle, XV Birámkonda Hill Mark	49	58	49	4'994944 4'839019 5'106893	98843 69027 127907	18.720 13.073 24.225	" " "

No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
177	Piragat, XIV Köttapalle, XV Birsankonda Hill Mark	38 25 18 25 35 52	4.994944 4.837077 5.155274	98843 68719 142979	18.720 13.015 27.079	189	Gurumurtia Bádapalle Niálamari	37 20 41 40 43 16 101 56 3	4.968404 4.999993 5.176004	92983 99998 149970	17.610 18.939 28.403	Inch c.t.i. " "
178	Impagat, XIII Köttapalle, XV Chandragudda	58 9 21 57 6 37	5.079720 5.074697 5.106893	120149 118767 127907	22.755 22.494 24.225	190	Gurumurtia Niálamari Gopálpét Fort	19 58 19 91 7 46	4.563604 5.030053 4.999993	36610 107165 99998	6.934 20.200 18.939	" "
179	Köttapalle, XV Darúr, XVI Chandragudda	27 42 7 65 31 7	4.787966 5.079720 5.119946	61371 120149 131809	11.623 22.755 24.964	191	Gurumurtia Bádapalle Guddagúdem Hill Rock	46 10 28 32 59 29	5.042022 4.919824 5.176004	110160 83143 149970	20.864 15.747 28.403	" "
180	Darúr, XVI Maliabad, XIX Nárabanda Hill Platform	39 49 20 36 51 21	4.871484 4.843037 5.053181	74385 69669 113027	14.088 13.195 21.407	192	Impagat, XIII Gurumurtia Guddaráyangutta	63 10 21 89 19 15	4.725327 5.011369 5.060794	53128 102652 115025	10.062 19.442 21.785	" "
181	Darúr, XVI Chandragudda Nárabanda Hill Platform	85 13 48 51 19 19	4.949063 4.843037 4.787966	88933 69669 61371	16.843 13.195 11.623	193	Gurumurtia Bádapalle Guddaráyangutta	15 6 4 156 54 51	4.998443 4.725327 5.176004	99642 53128 149970	18.872 10.062 28.403	" "
182	Impagat, XIII Köttapalle, XV Tónsalgutta	37 56 5 84 2 53	4.967099 5.176044 5.106893	92704 149984 127907	17.558 28.406 24.225	194	Gurumurtia Guddaráyangutta Devarakadra Fort	27 52 51 93 13 18	4.462636 4.792043 4.725327	29016 61950 53128	5.495 11.733 10.062	" "
183	Impagat, XIII Darúr, XVI Tónsalgutta	10 36 9 44 50 36	4.592554 5.176044 5.243461	39134 149984 175171	7.412 28.406 33.176	195	Gurumurtia Guddaráyangutta Láikota Fort	49 36 18 58 7 26	4.628183 4.675464 4.725327	42480 47366 53128	8.045 8.971 10.062	" "
184	Köttapalle, XV Darúr, XVI Péddapád	14 42 11 99 0 10	4.562738 5.152847 5.119946	36537 142183 131809	6.920 26.929 24.964	196	Darúr, XVI Gurumurtia Pulmámbi Hill Pagoda	46 13 33 83 6 33	4.982827 5.121098 5.012680	96123 132159 102963	18.205 25.030 19.501	36
185	Impagat, XIII Köttapalle, XV Péddapád	59 15 13 70 6 33	5.152847 5.191918 5.106893	142183 155567 127907	26.929 29.463 24.225	197	Köttapalle, XV Gurumurtia Pulmámbi Hill Pagoda	30 53 3 28 20 53	4.982827 4.948988 5.206571	96123 88918 160906	18.205 16.840 30.475	" "
186	Impagat, XIII Köttapalle, XV Gurumurtia	82 46 32 45 10 8 52 3 20	5.206571 5.066794 5.106893	160906 115025 127907	30.475 21.785 24.225	198	Köttapalle, XV Gurumurtia Makhtal Pagoda	14 9 2 5 50 58	5.060746 4.680757 5.206571	115013 47946 160906	21.783 9.081 30.475	" "
187	Köttapalle, XV Darúr, XVI Gurumurtia	39 38 36 54 45 40	5.012680 5.206571 5.119946	102963 160906 131809	19.501 30.475 24.964	199	Impagat, XIII Gurumurtia Makhtal Idgah	70 1 34 46 56 2	5.083817 4.974418 5.060794	121288 94280 115025	22.971 17.856 21.785	" "
188	Impagat, XIII Gurumurtia Bádapalle	78 16 25 41 39 30	5.176004 5.229016 5.060794	149970 169440 115025	28.403 32.091 21.785	200	Darúr, XVI Gurumurtia Makhtal Idgah	68 8 0 59 52 58	5.083817 5.053266 5.012680	121288 113047 102963	22.971 21.410 19.501	" "

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle			No. of Triangle	Station	Corrected Plane Angle			Theodolite used					
		°	'	"			Log. feet	Feet	Miles						
201	Köttapalle, XV Gurumurtia Uldakod Fort	h.s.	11 4 4 19 15 10	4 786653 5 021586 5 206571	61186 105096 160900	11.588 19.905 30.475	36	213	Gurumurtia Yëllakönda Tippadampalli Mosque	h.s.	20 36 11 10 46 35	5 033953 4 759331 5 204134	108132 57455 160005	20.479 10.882 30.304	36
202	Köttapalle, XV Darúr, XVI Sangamkönda Hill Tree	h.s.	73 56 51 18 57 28	5 103232 4 632216 5 119946	126833 42876 131809	24.021 8.120 24.964	"	214	Gurumurtia Shakapur Tippadampalli Mosque	h.s.	7 30 26 14 43 28	4 470319 4 759331 4 932102	29534 57455 85527	5.594 10.882 16.198	"
203	Köttapalle, XV Gurumurtia Sangamkönda Hill Tree	h.s.	34 18 15 10 53 59	5 106506 4 632216 5 206571	127793 42876 160906	24.203 8.120 30.475	"	215	Yëllakönda Shakapur Santapur Hill Stone	h.s.	36 23 4 77 16 20	4 709569 4 925563 4 898227	51235 84249 79113	9.704 15.956 14.983	"
204	Köttapalle, XV Sangamkönda Hill Tree Kurtakönda	h.s.	88 2 50 43 16 53	4 795904 4 671759 4 632216	62504 46963 42876	11.838 8.895 8.120	"	216	Gurumurtia Shakapur Santapur Hill Stone	h.s.	34 18 56 75 27 11	4 709569 4 944331 4 932102	51235 87969 85527	9.704 16.661 16.198	"
205	Köttapalle, XV Maliabad, XIX Karni Hill Pagoda	h.s.	76 37 19 24 59 6	5 085665 4 723317 5 088640	121805 52883 122642	23.069 10.016 23.228	"	217	Darúr, XVI Maliabad, XIX Naragudda Pagoda	h.s.	78 14 49 23 54 37	5 053830 4 670814 5 053181	113196 46861 113027	21.439 8.875 21.407	"
206	Köttapalle, XV Kurtakönda Karni Hill Pagoda	h.s.	38 7 40 80 40 17	4 519678 4 723317 4 671759	33089 52883 46963	6.267 10.016 8.895	"	218	Darúr, XVI Gurumurtia Naragudda Pagoda	h.s.	66 52 56 27 0 21	4 977327 4 670814 5 012680	94913 46861 102963	17.976 8.875 19.501	"
207	Darúr, XVI Gurumurtia Yëllakönda	h.s.	71 42 2 37 26 22	5 204134 5 206293 5 012680	160005 160803 102963	30.304 30.455 19.501	"	219	Darúr, XVI Gurumurtia Darúr Fort	h.s.	44 26 56 5 32 25	4 973763 4 113227 5 012680	94137 12979 102963	17.829 2.458 19.501	"
208	Gurumurtia Yëllakönda Shakapur	h.s.	13 5 45 14 10 44 152 43 31	4 898247 4 932102 5 204134	79113 85527 160005	14.983 16.198 30.304	"	220	Darúr, XVI Gurumurtia Atmakür Building	h.s.	12 40 53 19 56 2	4 622588 4 813768 5 012680	41936 65128 102963	7.942 12.335 19.501	"
209	Darúr, XVI Gurumurtia Shakapur	h.s.	58 36 17 70 3 26	4 932102 4 970788 5 012680	85527 93495 102963	16.198 17.707 19.501	"	221*	Köttapalle, XV Darúr, XVI Kistna Railway Station (helio.)	h.s.	86 50 37 12 43 7	5 125364 4 468767 5 119946	133464 29428 131809	25.277 5.574 24.964	24
210	Darúr, XVI Gurumurtia Gadvál Pagoda	h.s.	47 54 26 27 42 36	4 896949 4 603960 5 012680	78877 49426 102963	14.939 9.361 19.501	"	222*	Köttapalle, XV Chintalikunta, XVIII Kistna Railway Station (helio.)	h.s.	32 9 22 7 33 59	5 074800 4 468205 5 154250	118795 29390 142643	22.499 5.566 27.016	"
211	Gurumurtia Shakapur Gadvál Pagoda	h.s.	30 53 41 66 13 30	4 645972 4 896949 4 932102	44256 78877 85527	8.382 14.939 16.198	"	223	Darúr, XVI Kère Bëlagal, XXI Gattináráyantippa	h.s.	43 40 46 16 49 19	5 077699 4 699954 5 178161	119591 50113 150717	22.650 9.491 28.545	"
212	Gurumurtia Shakapur Guntapalli Hill Mark	h.s.	22 43 38 29 26 53	4 621510 4 726178 4 932102	41832 53233 85527	7.923 10.082 16.198	"	224	Impagat, XIII Darúr, XVI Gattináráyantippa	h.s.	9 44 30 133 59 52	4 699954 5 328487 5 243461	50113 213053 175171	9.491 40.351 33.176	"

\* These triangles have been left unadjusted on account of a large discrepancy in the common side: triangle 222 is most probably correct.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
225	Darúr, XVI	11 38 26	4' 359 224	22868	4' 331	86	237	Pulikönda, XXIII Gadekal, XXVI Arakérbétta	h.s.	36 22 11	5' 025 245	105985	20' 073
	Maliabad, XIX	74 7 51	5' 037 490	109016	20' 647								
	Ráichur Building	5' 053 181	113027	21' 407									
226	Köttapalle, XV	54 1 22	5' 037 490	109016	20' 647	"	238	Pulikönda, XXIII Arakérbétta	h.s.	38 19 11	4' 962 818	91795	17' 385
	Darúr, XVI	47 53 35	4' 999 749	99942	18' 928								
	Ráichur Building	5' 119 946	131809	24' 964									
227	Maliabad, XIX	38 23 52	4' 207 717	16133	3' 056	18	239	Maliabad, XIX Kére Bélagal, XXI Ádoni	h.s.	53 1 14	5' 188 774	154445	29' 251
	Ráichur Building	61 41 27	4' 359 224	22868	4' 331								
	Bodabanda	h.s.	h.s.	h.s.	h.s.								
228	Maliabad, XIX	12 32 10	3' 909 329	8116	1' 537	18	240	Maliabad, XIX Kére Bélagal, XXI Gudikalbétta	h.s.	29 31 14	4' 911 343	81535	15' 442
	Ráichur Building	37 42 18	4' 359 224	22868	4' 331								
	Járigat	h.s.	h.s.	h.s.	h.s.								
229	Maliabad, XIX	25 51 42	4' 098 343	12541	2' 375	18	241	Maliabad, XIX Ádoni Gudikalbétta	h.s.	23 30 0	4' 866 953	73613	13' 942
	Bodabanda	91 20 6	4' 458 540	28744	5' 444								
	Járigat	62 48 12	4' 407 776	25573	4' 843								
280	Köttapalle, XV	70 22 25	5' 193 249	156045	29' 554	24	242	Maliabad, XIX Gudikalbétta	h.s.	43 22 34	5' 039 037	109405	20' 721
	Naikal, XVII	51 16 35	5' 111 434	129251	24' 479								
	Rámdurg Hill Temple	5' 149 310	141030	26' 710									
231	Köttapalle, XV	54 32 39	5' 062 849	115571	21' 888	"	243	Darúr, XVI Maliabad, XIX Induvási	h.s.	35 23 28	4' 818 517	65844	12' 470
	Maliabad, XIX	65 38 29	5' 111 434	129251	24' 479								
	Rámdurg Hill Temple	5' 088 640	122642	23' 228									
232	Darúr, XVI	87 17 51	5' 076 199	119179	22' 572	"	244	Kére Bélagal, XXI Gudikalbétta Chanugundla	h.s.	121 13 34	5' 052 005	112721	21' 349
	Maliabad, XIX	21 22 56	4' 638 485	43500	8' 239								
	Devaragat	5' 053 181	113027	21' 407									
233	Maliabad, XIX	40 53 25	5' 034 902	108368	20' 524	"	245	Gudikalbétta Chanugundla Yérrabad Pagoda	h.s.	17 58 14	4' 674 849	47299	8' 958
	Kére Bélagal, XXI	46 2 51	5' 076 199	119179	22' 572								
	Devaragat	5' 218 297	165309	31' 309									
234	Köttapalle, XV	16 26 32	4' 725 576	53159	10' 068	86	246	Darúr, XVI Induvási Adamorsu	h.s.	33 25 14	4' 670 603	46839	8' 871
	Maliabad, XIX	24 19 38	4' 888 557	77367	14' 653								
	Marcher Fort	5' 088 640	122642	23' 228									
235	Köttapalle, XV	9 13 5	4' 625 495	42218	7' 996	"	247	Maliabad, XIX Induvási Adamorsu	h.s.	45 7 29	4' 670 603	46839	8' 871
	Maliabad, XIX	18 30 55	4' 922 676	83690	15' 850								
	Manchalpur Hill Turret	5' 088 640	122642	23' 228									
286	Ádoni, XXII	80 18 58	5' 164 278	145975	27' 647	24	248	Kére Bélagal, XXI Ádoni, XXII Arakérbétta	h.s.	22 32 59	4' 771 184	59045	11' 183
	Pulikönda, XXIII	38 32 52	4' 995 116	92282	17' 478								
	Arakérbétta	5' 112 901	129688	24' 562									

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
249	Maliabad, XIX Kére Bèlagal, XXI Kámannagutta	56 39 54 45 35 15	5°15'02.36 5°08'21.97 5°21'8.297	141330 120836 165309	26.767 22.886 31.309	261	Kére Bèlagal, XXI Pulikönda, XXIII Devanakönda	11 10 31 48 39 48 120 9 41	4°45'53.2 5°04'57.02 5°10'09.75	28677 111097 127931	5.431 21.041 24.229	Inch 86 "
250	Adoni Gudikalbètta Kámannagutta	60 26 56 49 24 31 70 8 33	4°83'30.53 4°77'40.28 4°86'69.53	68085 59433 73613	12.895 11.256 13.942	262	Kére Bèlagal, XXI Gudikalbètta Devanakönda	47 45 25 85 14 28 47 0 7	4°91'66.09 5°04'57.02 4°91'13.43	82529 111097 81535	15.631 21.041 15.442	"
251	Kére Bèlagal, XXI Kámannagutta Négaldinne	41 53 1 20 41 9 117 25 50	5°02'65.2 4°75'01.07 5°15'02.36	106307 56248 141330	20.134 10.653 26.767	263	Gooty, XXV Gadékal, XXVI Koilkönda	77 47 47 30 13 11 5	5°17'33.40 4°88'51.09 5°16'14.33	149053 76755 145022	28.230 14.537 27.466	24 "
252	Kére Bèlagal, XXI Gudikalbètta Négaldinne	59 19 45 42 28 32 78 11 43	4°85'51.81 4°75'01.07 4°91'13.43	71644 56248 81535	13.569 10.653 15.442	264	Pulikönda, XXIII Gadékal, XXVI Koilkönda	49 9 53 15 56 11 5	5°17'33.40 4°73'31.31 5°25'21.11	149053 54092 178694	28.230 10.245 33.844	"
253	Kére Bèlagal, XXI Kámannagutta Négaldinne Pagoda	43 0 11 20 15 10	5°03'31.80 4°73'86.52 5°15'02.36	107939 54784 141330	20.443 10.376 26.767	265	Pulikönda, XXIII Koilkönda Pattikönda	53 7 5 49 5 1 77 47 54	4°64'60.76 4°621.385 4°7331.31	44267 41820 54092	8.384 7.920 10.245	86 "
254	Kére Bèlagal, XXI Gudikalbètta Négaldinne Pagoda	60 26 55 41 9 36	4°85'97.95 4°73'86.52 4°91'13.43	72409 54784 81535	13.714 10.376 15.442	266	Pulikönda, XXIII Devanakönda Pattikönda	95 41 39 51 43 57 32 34 24	4°7242.96 4°621.385 4°4575.32	53002 41820 28677	10.038 7.920 5.431	"
255	Kére Bèlagal, XXI Négaldinne Sompuram Fort	21 5 52 30 54 33	4°40'97.89 4°5642.26 4°7501.07	25691 36663 56448	4.866 6.944 10.653	267	Kére Bèlagal, XXI Gudikalbètta Chinna Tándrapád Fort	96 27 55 28 52 34 5	4°99'70.31 4°6836.74 4°9113.43	99319 48270 81535	18.810 9.142 15.442	"
256	Kére Bèlagal, XXI Négaldinne Pönnakal Hill Dargah	154 30 29 9 51 26	4°9533.99 4°5530.30 4°7501.07	89825 35730 56248	17.012 6.767 10.653	268	Adoni Gudikalbètta Pèdda Tumbalam Pagoda	69 19 19 34 25 1 5	4°8506.41 4°6317.71 4°8669.53	70899 42832 73613	13.428 8.112 13.942	"
257	Gudikalbètta Négaldinne Manchál Fort	39 47 50 72 19 7	4°6046.00 4°8673.55 4°8551.81	49499 73681 71644	9.375 13.955 13.569	269	Gooty, XXV Udarpidurga, XXVII Gadékal	44 37 47 65 55 52 69 26 21	5°0477.09 5°1615.46 5°1724.63	111611 145059 148752	21.139 27.473 28.173	"
258	Gudikalbètta Kámannagutta Manchál Fort	59 14 29 64 21 2	4°8465.68 4°8673.55 4°8330.53	70237 73681 68085	13.303 13.955 12.895	270	Gooty, XXV Koilkönda Gadékal	77 48 5 71 59 13 30 12 42	5°1734.53 5°1615.46 4°8851.09	149092 145059 76755	28.237 27.473 14.537	"
259	Kére Bèlagal, XXI Pulikönda, XXIII Taranikal	27 13 53 35 2 28	4°8204.21 4°9189.85 5°1069.75	66133 82982 127931	12.525 15.716 24.229	271	Pulikönda, XXIII Koilkönda Dhonekönda	66 7 50 79 57 16 5	4°9476.96 4°9798.17 4°7331.31	88653 95459 54092	16.790 18.079 10.245	"
260	Kére Bèlagal, XXI Gudikalbètta Taranikal	31 42 3 75 55 28	4°6527.83 4°9189.85 4°9113.43	44956 82982 81535	8.514 15.716 15.442	272	Gooty, XXV Koilkönda Siddanagat	60 3 33 48 21 26 5	4°9887.81 4°9494.02 4°8851.09	97450 89002 76755	18.456 16.857 14.537	"

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
273	Koilkōnda Dhonekōnda Siddanagat	h.s. " "	4° 72' 08.43 4° 98' 78.81 4° 94' 76.96	53684 97450 88653	10.167 18.456 16.790	86 " "	Gooty, XXV Koilkōnda Boglemārkōnda	91° 41' 22 34° 35' 47 53° 42' 51	4° 97' 85.44 4° 73' 29.21 4° 88' 51.09	95180 54066 76755	18.026 10.240 14.537	Inch 86 " "	
274	Gooty, XXV Siddanagat Gumpmāl	h.s. " "	5° 17' 93.75 4° 96' 77.65 4° 94' 94.02	151138 92846 89002	28.625 17.585 16.857	" " "	Koilkōnda Boglemārkōnda Pyāpālī Platform	79° 40' 43 33° 8' 36	5° 00' 68.63 4° 75' 17.25 4° 97' 85.44	101593 56458 95180	19.241 10.693 18.026	" " "	
275	Gooty, XXV Gadēkal Gumpmāl	h.s. " "	5° 26' 25.64 4° 96' 77.65 5° 10' 15.46	183048 92846 145059	34.668 17.585 27.473	" " "	Gooty, XXV Boglemārkōnda Guntakal Railway Station (helio.)	23° 48' 40 129° 0' 21 4° 73' 29.21	4° 67' 92.45 4° 96' 36.29 4° 73' 29.21	47780 91966 54066	9.049 17.418 10.240	24 " "	
276	Pulikōnda, XXIII Koilkōnda Dūdekōnda Hill Pillar	h.s. " "	4° 76' 16.96 4° 44' 61.03 4° 73' 31.31	57769 27932 54092	10.941 5.290 10.245	" " "	Gooty, XXV Pamidi Konakōndla	65° 13' 18 78° 44' 50 4° 77' 51.14	4° 96' 36.26 4° 99' 71.41 4° 77' 51.14	91966 99344 59582	17.418 18.815 11.284	" " "	
277	Pulikōnda, XXIII Pattikōnda Dūdekōnda Hill Pillar	s. " "	4° 35' 08.90 4° 44' 61.03 4° 62' 13.85	22433 27932 41820	4.249 5.290 7.920	" " "	Gadēkal, XXVI Pamidi Konakōndla	20° 16' 41 9° 56' 51 5° 12' 57.45	4° 96' 36.26 4° 66' 12.35 5° 12' 57.45	91966 45839 133581	17.418 8.682 25.299	" " "	
278	Pulikōnda, XXIII Koilkōnda Tsanugundla	h.s. " "	4° 54' 56.71 4° 70' 99.12 4° 73' 31.31	35129 51276 41820	6.653 9.711 10.245	" " "	Gooty, XXV Pamidi Nanthabād	46° 34' 29 13° 55' 36 119° 29' 55	4° 69' 65.10 4° 21' 68.51 4° 77' 51.14	49718 16476 59582	9.416 3.120 11.284	" " "	
279	Pulikōnda, XXIII Pattikōnda Tsanugundla	s. " "	4° 82' 77.73 4° 70' 99.12 4° 62' 13.85	67262 51276 41820	12.739 9.711 7.920	" " "	Pamidi Boglemārkōnda Nanthabād	43° 57' 7 66° 5' 27 69° 57' 26	4° 57' 68.68 4° 69' 65.10 4° 70' 83.42	37746 49718 51091	7.149 9.416 9.676	" " "	
280	Pulikōnda, XXIII Koilkōnda Chintalakōnda	h.s. " "	4° 22' 36.45 4° 75' 19.51 4° 73' 31.31	16736 56487 54092	3.170 10.698 10.245	" " "	Koilkōnda Gadēkal Boilkōnda	28° 34' 29 17° 9' 28 134° 16' 3	4° 99' 81.91 4° 78' 83.14 5° 17' 34.53	99584 61421 149092	18.861 11.633 28.237	26 " "	
281	Pulikōnda, XXIII Pattikōnda Chintalakōnda	s. " "	4° 76' 25.93 4° 75' 19.51 4° 62' 13.85	57889 56487 41820	10.964 10.698 7.920	" " "	Pamidi Boglemārkōnda Boilkōnda	17° 8' 32 137° 56' 35 24° 54' 53	4° 55' 32.29 4° 90' 97.73 4° 70' 83.42	35746 81241 51091	6.770 15.386 9.676	" " "	
282	Gadēkal, XXVI Udarpidurga, XXVII Pamidi	h.s. " "	4° 98' 40.37 5° 12' 57.45 5° 04' 77.01	96391 133581 111610	18.256 25.299 21.138	24 " "	Gooty, XXV Udarpidurga, XXVII Devarakōnda No. 1	46° 17' 47 71° 17' 21 62° 24' 52	5° 08' 39.65 5° 20' 12.91 5° 17' 24.63	121329 158961 148752	22.979 30.106 28.173	" " "	
283	Gooty, XXV Gadēkal, XXVI Pamidi	h.s. " "	5° 12' 57.45 4° 77' 51.14 5° 16' 14.33	133581 59582 145022	25.299 11.284 27.466	" " "	Kōndapalli, XXXI Utrakōnda, XXXII Devarakōnda No. 1	84° 41' 19 42° 3' 59 53° 14' 42	5° 17' 70.05 5° 00' 55.43 5° 08' 32.15	150524 101285 121120	28.508 19.183 22.939	" " "	
284	Udarpidurga, XXVII Pamidi Boglemārkōnda	h.s. " "	4° 70' 83.42 5° 03' 51.10 4° 98' 40.37	51091 105952 96391	9.676 20.067 18.256	" " "	Pamidi Konakōndla Gadēkal	9° 57' 33 149° 45' 19 20° 17' 8	4° 66' 15.82 5° 12' 55.40 4° 96' 36.26	45876 133010 91966	8.689 25.300 17.418	" " "	

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	
		o	'	"	Log. feet	Feet	Miles				Log. feet	Feet	Miles					
297	Kõndapalli, XXXI Devarakõnda No. 1 Shidampet Hill Pillar	h.s.	39	16	37	4'822776	66493	12'593	86	809	Urakõnda, XXXII Rácharlu Mushtakõil Fort	23	4	33	4'218637	16544	3'133	Inch C.T.I.
			66	4	33	4'982311	96009	18'183	30172			5'714						
						5'005543	101285	19'183	39327			7'448						
298	Udarpidurga, XXVII Kõndapalli, XXXI Shidampet Hill Pillar	h.s.	59	46	26	4'982311	96009	18'183		310	Urakõnda, XXXII Penukõnda Mushtakõil Fort	53	30	51	4'761951	57803	10'948	"
			30	13	6	4'747598	55924	10'592	30172			5'714						
						5'045774	111115	21'045	70407			13'335						
299	Kõndapalli, XXXI Devarakõnda No. 1 Anantapur Fort	h.s.	5	46	35	4'153658	14245	2'698		311	Pamidi Boglemárkõnda Gooty Base-line N. End	44	26	1	4'579034	37935	7'185	86
			39	55	4	4'958184	90820	17'201	49119			9'303						
						5'005543	101285	19'183	51091			9'676						
300	Urakõnda, XXXII Devarakõnda No. 1 Tirumaldávar	h.s.	56	0	33	5'096482	124877	23'651		312	Boglemárkõnda Boilkõnda Gooty Base-line N. End	72	55	4	4'641670	43820	8'299	"
			35	57	23	4'946624	88435	16'749	37935			7'185						
			88	2	4	5'177605	150524	28'508	35746			6'770						
301	Kõndapalli, XXXI Devarakõnda No. 1 Tirumaldávar	h.s.	115	48	44	5'096482	124877	23'651		313	Pamidi Gooty Base-line N. End Gooty Base-line S. End	39	52	52	4'513403	32614	6'177	"
			17	17	19	4'615157	41225	7'808	29223			5'535						
			46	53	57	5'005543	101285	19'183	49119			9'303						
302	Kõndapalli, XXXI Devarakõnda No. 1 Kannaganpilli Pagoda	h.s.	68	36	0	4'979017	95283	18'046		314	Gooty, XXV Pamidi Gooty Base-line S. End	21	16	26	4'465729	29223	5'535	"
			29	37	55	4'704143	50599	9'583	35858			6'791						
						5'005543	101285	19'183	59582			11'284						
303	Udarpidurga, XXVII Gadékal Tallagudda Hill Platform	h.s.	51	28	6	4'945146	88134	16'692		315	Boilkõnda Gooty Base-line N. End Bodthagudda	67	20	2	4'607782	40530	7'676	"
			30	41	12	4'759654	57498	10'890	19061			3'724						
						5'047709	111611	21'139	43820			8'299						
304	Kõndapalli, XXXI Urakõnda, XXXII Rácharlu	h.s.	18	36	3	4'594694	39327	7'448		316	Boglemárkõnda Boilkõnda Bodthagudda	19	29	11	4'293604	19661	3'724	"
			60	37	29	5'031170	107441	20'349	49331			9'343						
			100	46	28	5'083215	121120	22'939	35746			6'770						
305	Kõndapalli, XXXI Tirumaldávar Tumchérá Fort	h.s.	88	59	20	4'647504	44412	8'411		317	Kõilkõnda Boilkõnda Jonmagiri Fort	10	44	38	4'442667	27712	5'248	"
			22	52	25	4'237186	17266	3'270	35108			6'649						
						4'615157	41225	7'808	61421			11'633						
306	Kõndapalli, XXXI Rácharlu Tumchérá Fort	h.s.	76	27	58	5'020171	104754	19'840		318	Boilkõnda Bodthagudda Jonmagiri Fort	19	4	41	4'047882	11166	2'115	"
			9	13	16	4'237186	17266	3'270	27712			5'248						
						5'031170	107441	20'349	19661			3'724						
307	Urakõnda, XXXII Pávagada, XXXIII Penukõnda	h.s.	57	38	10	5'040937	109885	20'811		319	Gadékal Boilkõnda Boglemárkõnda	21	2	1	4'553229	35746	6'770	"
			32	45	58	4'847619	70407	13'335	93479			17'704						
			89	35	52	5'114241	130089	24'638	99584			18'861						
308	Pávagada, XXXIII Yérrakõnda, XXXIV Penukõnda	h.s.	20	43	6	4'781841	60512	11'461		320	Boilkõnda Gooty Base-line N. End Chénráyankõnda Hill Pagoda	34	31	51	4'415771	26048	4'933	"
			39	58	22	5'040937	109885	20'811	28257			5'352						
			119	18	32	5'173628	149152	28'248	43820			8'299						



No. or Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. or Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
321	Boglemárkönda Boikönda Chénarýankönda Hill Pagoda	h.s. " "	4° 45' 11.33 4° 14' 41.63 4° 55' 32.29	28257 13937 35746	5° 35.2 2° 64.0 6° 77.0	Inch 86 "	Gooty, XXV Koilkönda Chennampalli Hill Turret	5 5 14 47 26 49	3° 93' 32.31 4° 85' 27.06 4° 88' 51.09	8575 71237 76755	1° 62.4 13° 49.2 14° 53.7	Inch 86 "	
322	Gadékal Boglemárkönda Maddikéra Pagoda	h.s. " "	4° 8' 30.471 4° 8' 30.124 4° 9' 70.716	68623 77647 93479	12° 99.7 14° 70.6 17° 70.4	" " "	Boikönda Bodthagudda Yérratimmarájhéru Pagoda	55 4 36 59 59 20	4° 25' 03.31 4° 27' 40.42 4° 29' 36.04	17796 18795 19661	3° 37.1 3° 56.0 3° 72.4	" " "	
323	Konakönda Gadékal Maddikéra Pagoda	h.s. " "	4° 8' 90.124 4° 7' 37.377 4° 6' 01.582	77647 53380 45876	14° 70.6 10° 11.0 8° 68.9	" " "	Boglemárkönda Boikönda Yérratimmarájhéru Pagoda	31 15 7 68 6 1	4° 27' 40.42 4° 52' 65.13 4° 55' 32.29	18795 33613 35746	3° 56.0 6° 36.6 6° 77.0	" " "	
324	Konakönda Gadékal Chippigiri Pagoda	h.s. " "	4° 6' 58.463 4° 6' 71.538 4° 6' 61.582	48402 46939 45876	9° 16.7 8° 89.0 8° 68.9	" " "	Boglemárkönda Boikönda Guntakal Pagoda	65 35 1 71 14 21	4° 67' 73.21 4° 69' 43.00 4° 55' 32.29	47569 49465 35746	9° 00.9 9° 36.8 6° 77.0	" " "	
325	Konakönda Gadékal Gummanúr Mosque	h.s. " "	4° 17' 59.14 4° 6' 02.255 4° 6' 61.582	14994 49688 45876	2° 84.0 9° 41.1 8° 68.9	" " "	Boglemárkönda Boikönda Kasavápuram Pagoda	50 0 46 90 5 0	4° 63' 03.67 4° 74' 60.31 4° 55' 32.29	42694 55723 35746	8° 08.6 10° 55.4 6° 77.0	" " "	
326	Konakönda Gadékal Níllulenitimmápuram Pagoda	h.s. " "	4° 21' 93.15 4° 58' 57.03 4° 6' 61.582	16570 38522 45876	3° 13.8 7° 29.6 8° 68.9	" " "	Gooty, XXV Pamidi Molakatalla Hill Pagoda	50 38 16 79 44 2	4° 78' 15.05 4° 88' 62.31 4° 77' 51.14	60465 76954 59582	11° 45.2 14° 57.5 11° 28.4	" " "	
327	Konakönda Gadékal Pédáa Hotúr Pagoda	h.s. " "	4° 65' 83.80 4° 6' 30.086 4° 6' 61.582	45539 42666 45876	8° 62.5 8° 08.1 8° 68.9	" " "	Pamidi Gooty Base-line S. End Pamidi Pagoda	100 55 10 14 37 9	4° 50' 24.46 3° 91' 24.58 4° 46' 57.29	31801 8174 29223	6° 02.3 1° 54.8 5° 53.5	" " "	
328	Konakönda Gadékal Ragulapád Hill Pillar	h.s. " "	4° 8' 30.373 4° 6' 07.502 4° 6' 61.582	67666 49831 45876	12° 81.6 9° 43.8 8° 68.9	" " "	Pamidi Gooty Base-line S. End Illúr Pagoda	84 14 14 35 1 14	4° 52' 22.99 4° 28' 38.13 4° 46' 57.29	33327 19223 29223	6° 31.2 3° 64.1 5° 53.5	" " "	
329	Pamidi Boglemárkönda Mámdúr Fort	h.s. " "	4° 51' 53.44 4° 48' 59.18 4° 7' 08.342	32760 30869 51091	6° 20.5 5° 84.6 9° 67.6	" " "	Pamidi Boglemárkönda Appájipet Fort	87 9 56 38 38 39	4° 79' 88.08 4° 59' 48.60 4° 70' 83.42	62923 39342 51091	11° 91.7 7° 45.1 9° 67.6	" " "	
330	Gooty, XXV Gooty Base-line S. End Boikönda Hill Peak	h.s. s. "	4° 6' 01.145 4° 27' 87.48 4° 55' 45.85	39916 19000 35858	7° 56.0 3° 59.8 6° 79.1	" " "	Darúr, XVI Malinbad, XIX Boyalgúdem Hill Pagoda	43 2 56 56 23 39	4° 89' 32.87 4° 97' 06.81 5° 05' 31.81	78214 95429 119027	14° 81.3 18° 07.4 21° 40.7	" " "	
331	Gooty, XXV Gooty Base-line S. End Rámkönda Hill Stone	h.s. s. "	4° 82' 63.12 4° 77' 44.32 4° 55' 45.85	67037 59488 35858	12° 69.6 11° 26.7 6° 79.1	" " "	Darúr, XVI Kére Bétagal, XXI Tuagat	57 36 22 14 11 0	5° 12' 70.17 4° 58' 06.88 5° 17' 81.61	133973 38877 150717	25° 37.4 7° 36.3 28° 54.5	24 " "	
332	Boikönda Bodthagudda Chennampalli Hill Turret	h.s. " "	4° 58' 00.88 4° 73' 21.10 4° 29' 36.04	38027 52870 19661	7° 20.2 10° 01.3 3° 72.4	" " "	Malinbad, XIX Kére Bétagal, XXI Tuagat	53 3 29 27 24 30	5° 12' 70.17 4° 88' 74.05 5° 21' 28.97	133973 77162 165309	25° 37.4 14° 61.4 31° 30.9	" " "	

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
345	Maliabad, XIX Kère Bèlagal, XXI Bráshmanadóddi Hill Mark	0 1 " 3 22 53 156 9 42	4.445566	27898	5.284	355	Gadékal, XXVI Hönnúr, XXIX Kategudda s.	0.7 .7 .6	59 47 54.9 70 55 40.5 49 16 24.6	4.9988249	99729.8	18.888	Inch 12 "
			5.281396	191160	36.204					5.0376609	109058.8	20.655	
			5.218297	165309	31.309					4.9417526	87448.5	16.562	
346	Pulikónda, XXIII Katómöráj, XXIV Vèldurti Hill Temple	19 42 42 63 51 33	4.657410	45437	8.605	356	Gadékal, XXVI Hönnúr, XXIX Bellary Ses. Court s.	0.7 .7 .6	60 51 49.4 70 20 45.0 48 47 25.6	5.0066037	101532.2	19.230	"
			5.082548	120934	22.904					5.0392896	109468.6	20.733	
			5.126670	133866	25.353					4.9417526	87448.5	16.562	
347	Kère Bèlagal, XXI Pulikónda, XXIII Vèldurti Hill Temple	55 21 6 64 9 36	5.082548	120934	22.904	357	Gadékal, XXVI Hönnúr, XXIX Bellary By. Station s.	0.7 .7 .6	60 6 29.0 71 49 0.1 48 4 30.9	5.0081688	101898.7	19.299	"
			5.121578	132306	25.058					5.0479187	111605.4	21.149	
			5.106975	127931	24.229					4.9417526	87448.5	16.562	
348	Kère Bèlagal, XXI Pulikónda, XXIII Dhonekónda Hill	34 20 45 96 23 43	4.978920	95262	18.042	358	Kategudda s. Bellary Ses. Court " Bellary By. Station "	0.0 .0 .0	66 5 2.5 67 58 50.4 45 56 7.1	3.4210146	2636.4	0.499	"
			5.224787	167798	31.780					3.4271080	2673.7	0.506	
			5.106975	127931	24.229					3.3164614	2072.3	0.392	
349	Pulikónda, XXIII Gooty, XXV Rámadrug Hill Fort	71 52 3 56 42 45	5.200817	158788	30.073	359	Kategudda s. Bellary By. Station " Bellary Tel. Office "	0.0 .0 .0	17 36 31.1 19 35 20.3 142 48 8.6	3.1264093	1337.9	0.253	"
			5.145107	139671	26.453					3.1710594	1482.7	0.281	
			5.116000	135617	24.738					3.4271080	2673.7	0.506	
350	Ádoni, XXII Pulikónda, XXIII Rámadrug Hill Fort	65 50 22 50 15 12	5.145107	139671	26.453	360	Gadékal, XXVI Hönnúr, XXIX Bellary Hill Fort (helio.)	60 24 46 73 22 40	5.022613	105345	19.952	24	
			5.104784	127287	24.107				5.064753	116079	21.985		
			5.112901	129688	24.562				4.941753	87449	16.562		
351	Pulikónda, XXIII Gooty, XXV Yeddalkónda Hill Temple	37 53 7 47 32 40	4.905610	80465	15.240	362	Gadékal, XXVI Udarpidurga, XXVII Chikalgurki s.	23 38 6 58 15 8	4.573690	37471	7.097	"	
			4.985322	96677	18.310				4.900254	79479	15.053		
			5.116000	130617	24.738				4.966276	92529	17.524		
352	Pulikónda, XXIII Katómöráj, XXIV Yeddalkónda Hill Temple	36 43 43 45 43 9	4.907174	80756	15.295	363	Gadékal, XXVI Udarpidurga, XXVII Chikalgurki s.	40 56 47 26 1 17	4.900254	79479	15.053	"	
			4.985322	96677	18.310				4.725953	53205	10.077		
			5.126670	133866	25.353				5.047701	111610	21.138		
353	Gooty, XXV Gadékal, XXVI Pulikónda Hill Tower	5 36 7 10 40 43	4.703271	50498	9.564	364	Gadékal, XXVI Hönnúr, XXIX Bandúr h.s.	21 9 51 102 2 54	4.576769	37737	7.147	"	
			4.981622	92857	18.155				5.009538	102220	19.360		
			5.161433	145022	27.466				4.941753	87449	16.562		
354	Gadékal, XXVI Hönnúr, XXIX Pulikónda Hill Tower	112 31 37 23 35 39	5.066465	116537	22.071	365	Gadékal, XXVI Udarpidurga, XXVII Bandúr h.s.	74 54 53 49 15 45	5.114806	130259	24.670	"	
			4.703271	50498	9.564				5.009538	102220	19.360		
			4.941753	87449	16.562				5.047701	111610	21.138		
355	Hönnúr, XXIX Bandúr Bandúr	2 8 32 25 45 40 152 5 48	3.479181	3014	0.571	366	Hönnúr, XXIX Bandúr h.s. Bandúr s.	2 8 32 25 45 40 152 5 48	3.479181	3014	0.571	10	
			4.703271	50498	9.564				4.544650	35047	6.638		
			4.941753	87449	16.562				4.576769	37737	7.147		

\* Deduced base.

Triangle No.	Station	Corrected Plane Angle	Distance			Triangle No. or	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
367	Gadēkal, XXVI	25 7 1	4'602854	40073	7.590	379	Kōndapalli, XXXI	71 33 53	5'061181	115128	21.805	Inch 86
	Hōnnūr, XXIX	87 1 15	4'974423	94281	17.856		Urakōnda, XXXII	14 51 37	4'493085	31123	5.895	
	Nimbāgal		4'941753	87449	16.562		Tōppadurti Hill Pagoda		5'083215	121120	22.939	
368	Gadēkal, XXVI	28 38 1	4'729249	53610	10.153	380	Kōndapalli, XXXI	36 33 7	4'864927	73270	13.877	"
	Udarpidurga, XXVII	57 25 52	4'974423	94281	17.856		Urakōnda, XXXII	43 20 26	4'926543	84439	15.992	
	Nimbāgal		5'047701	111610	21.138		Parva Devarapilli Hill Pagoda		5'083215	121120	22.939	
369	Udarpidurga, XXVII	48 0 52	5'020989	104952	19.877	381	Devādēlabēṭṭa, XXX	41 30 47	4'890691	77748	14.725	24
	Devādēlabēṭṭa, XXX	69 38 37	5'121810	132376	25.071		Kōndapalli, XXXI	15 44 46	4'502885	31834	6.029	
	Yērragunta		5'097120	125081	23.686		Pālvoi Hill		4'994176	98668	18.687	
370	Gadēkal, XXVI	59 11 55	5'121810	132376	25.071	382	Kōndapalli, XXXI	64 29 18	5'162769	145468	27.551	"
	Udarpidurga, XXVII	74 23 57	5'171541	148437	28.113		Pāvagada, XXXIII	28 50 22	4'890691	77748	14.725	
	Yērragunta		5'047701	111610	21.138		Pālvoi Hill		5'206590	160912	30.476	
371	Gadēkal, XXVI	32 36 31	5'126853	133922	25.364	383	Pāvagada, XXXIII	22 4 35	4'797548	62740	11.883	"
	Udarpidurga, XXVII	120 42 17	5'329750	213673	40.468		Yērrakōnda, XXXIV	41 14 16	5'041550	110040	20.841	
	Kalyāndrug Hill Mark No. 1		5'047701	111610	21.138		Pēnukōnda Hill Fort (helio.)		5'173628	149152	28.248	
372	Udarpidurga, XXVII	71 2 54	5'132973	135823	25.724	384	Urakōnda, XXXII	57 45 24	5'041550	110040	20.841	"
	Hōnnūr, XXIX	68 50 14	5'126853	133922	25.364		Pāvagada, XXXIII	31 24 29	4'831233	67801	12.841	
	Kalyāndrug Hill Mark No. 1		4'966276	92529	17.524		Pēnukōnda Hill Fort (helio.)		5'114241	130089	24.638	
378	Devarakōnda, XXVIII	36 53 3	4'954216	89995	17.044	385	Gadēkal, XXVI	56 53 4	4'873947	74808	14.168	"
	Kōndapalli, XXXI	5 34 45	4'163681	14577	2.761		Hōnnūr, XXIX	21 22 51	4'512701	32561	6.167	
	Anantapur House (helio.)		5'005301	101228	19.172		Chayabala Hill Pillar		4'941753	87449	16.562	
374	Devarakōnda, XXVIII	73 57 10	5'083968	121330	22.979	386	Udarpidurga, XXVII	50 56 43	4'873947	74808	14.168	"
	Kōndapalli, XXXI	52 44 38	5'002108	100487	19.032		Hōnnūr, XXIX	55 12 47	4'898271	79117	14.984	
	Dharmavaram Palace (helio.)		5'005301	101228	19.172		Chayabala Hill Pillar		4'966276	92529	17.524	
375	Kōndapalli, XXXI	31 56 7	4'824105	66097	12.632	387	Udarpidurga, XXVII	31 2 4	4'704028	50586	9.581	"
	Urakōnda, XXXII	74 12 21	5'083968	121330	22.979		Hōnnūr, XXIX	39 31 52	4'795551	62453	11.828	
	Dharmavaram Palace (helio.)		5'083215	121120	22.939		Būdāgavi Hill Mark		4'966276	92529	17.524	
376	Udarpidurga, XXVII	43 16 12	5'026927	106396	20.151	388	Gadēkal, XXVI	32 55 28	4'704028	50586	9.581	"
	Kōndapalli, XXXI	91 1 5	5'190891	155200	29.394		Hōnnūr, XXIX	37 3 46	4'748896	56091	10.623	
	Rāmapakōnda Hill Pagoda		5'045774	111115	21.045		Būdāgavi Hill Mark		4'941753	87449	16.562	
377	Kōndapalli, XXXI	30 57 23	4'917884	82772	15.677	389	Udarpidurga, XXVII	32 42 30	4'752726	56588	10.717	"
	Pāvagada, XXXIII	59 19 34	5'141136	138400	26.212		Hōnnūr, XXIX	29 21 59	4'710585	51355	9.726	
	Shāhdrug Fort		5'206590	160912	30.476		Urakōnda Hill Mark		4'966276	92529	17.524	
378	Kōndapalli, XXXI	21 42 35	4'713792	51736	9.798	390	Gadēkal, XXVI	40 16 39	4'752726	56588	10.717	"
	Urakōnda, XXXII	98 17 40	5'141136	138400	26.212		Hōnnūr, XXIX	47 13 39	4'807894	64253	12.169	
	Shāhdrug Fort		5'083215	121120	22.939		Urakōnda Hill Mark		4'941753	87449	16.562	

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used				
			Log. feet	Feet	Miles					Log. feet	Feet	Miles					
391	Gadēkal, XXVI	23 17 44	5°04'3681	110581	20.943	24	Halasúrβétta, XXXIX	0 1 "	5°05'3598	113135	21.427	Inch					
	Hónúr, XXIX	138 28 47	5°268001	183353	35.105								26 3 12	4°823012	66529	12.600	24
	Jetting Rámesvar Hill Rock		4°941753	87449	16.562								105 37 30	5°163989	145878	27.628	8
392	Pávagada, XXXIII	65 19 21	5°132215	135586	25.679	"	Halasúrβétta, XXXIX	53 41 35	5°203703	159846	30.274	86					
	Yérrakönda, XXXIV	23 1 44	4°766201	58372	11.055								78 57 47	5°289337	194687	36.873	
	Madakasíra Hill Mark (helio.)		5°173628	149152	28.248								47 20 38	5°163989	145878	27.628	
393	Yérrakönda, XXXIV	36 39 52	5°128197	134337	25.443	"	Savandurga, XLI	53 36 44	5°247462	176792	33.483	"					
	Dödnirmanga, XXXVII	37 3 43	5°132215	135586	25.679								46 42 26	5°203703	159846	30.274	
	Madakasíra Hill Mark (helio.)		5°334371	215959	40.901								79 40 50	5°334573	216059	40.920	
394	Pávagada, XXXIII	79 22 41	5°218001	165197	31.287	"	Tirthapalli, XLVI	93 5 53	5°301493	200214	37.919	"					
	Yérrakönda, XXXIV	38 4 24	5°015560	103048	19.630								37 31 23	5°086804	122125	23.130	
	Midagésidurga Hill Mark (helio.)		5°173628	149152	28.248								49 22 44	5°182389	152191	28.824	
395	Yérrakönda, XXXIV	21 37 12	4°940398	87158	16.507	"	Tirthapalli, XLVI	51 31 46	5°059948	114802	21.743	"					
	Dödnirmanga, XXXVII	44 17 40	5°218001	165197	31.287								72 4 33	5°144619	139514	26.423	
	Midagésidurga Hill Mark (helio.)		5°334371	215959	40.901								56 23 41	5°086804	122125	23.130	
396	Pávagada, XXXIII	23 44 50	4°782516	60606	11.478	"	Savandurga, XLI	37 44 42	5°144619	139514	26.423	"					
	Yérrakönda, XXXIV	58 34 56	5°108679	128434	24.325								70 48 45	5°332940	215249	40.767	
	Hindupur Temple (helio.)		5°173628	149152	28.248								71 26 33	5°334573	216059	40.920	
397	Pávagada, XXXIII	54 5 40	5°191367	153370	29.426	"	Tirthapalli, XLVI	59 35 6	5°215231	164146	31.088	"					
	Dödnirmanga, XXXVII	42 1 59	5°108679	128434	24.325								52 9 50	5°177032	150325	28.471	
	Hindupur Temple (helio.)		5°280401	190722	36.122								69 50 52	5°177032	150325	28.471	
398	Pávagada, XXXIII	72 8 57	5°270898	186594	35.340	"	Tirthapalli, XLVI	38 16 4	4°996395	99173	18.783	"					
	Yérrakönda, XXXIV	58 18 40	5°222211	168806	31.592								69 50 52	5°177032	150325	28.471	
	Madagiri Fort (helio.)		5°173628	149152	28.248								5	5°182389	152191	28.824	
399	Pávagada, XXXIII	5 41 33	4°473663	29762	5.637	"	Tirthapalli, XLVI	18 6 53	4°652313	44907	8.505	"					
	Dödnirmanga, XXXVII	33 46 27	5°222211	168806	31.592								56 53 27	5°082717	120981	22.913	
	Madagiri Fort (helio.)		5°280401	190722	36.122								104 59 40	5°144619	139514	26.423	
400	Ambájdurga, XXXVI	26 39 8	4°899062	79261	15.012	"	Halasúrβétta, XXXIX	6 29 14	4°862256	72821	13.792	24					
	Halasúrβétta, XXXIX	41 57 51	5°072437	118151	22.377								4 58 1	4°746671	55805	10.569	
	Nundydroog Building (helio.)		5°216252	164533	31.161								5	5°107193	127995	24.241	
401	Mákalidurga, XXXVIII	46 39 20	4°899062	79261	15.012	"	Bannergatta, XLII	0 2 49	1°958390	91	0.017	7					
	Halasúrβétta, XXXIX	39 34 32	4°841588	69437	13.151								41 2 39	4°862256	72821	13.792	
	Nundydroog Building (helio.)		5°036444	108754	20.597								5	4°862664	72889	13.805	
402	Savandurga, XLI	32 14 28	4°789526	61594	11.665	"	Halasúrβétta, XXXIX	39 26 44	4°567596	36948	6.998	C.T.I.					
	Bannergatta, XLII	78 29 37	5°053598	113135	21.427								66 53 56	4°728287	53492	10.131	
	Bangalore	69 15 55	5°033334	107978	20.450								73 39 20	4°746671	55805	10.569	

\* Deduced base. † This station appertains to the Madras Longitudinal Series.

‡ For another triangle to this station, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was greater by 18 feet.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
415	Halasúr-bétta, XXXIX Uialdinna Mandapam Shivansandra	62 52 56 59 4 17 58 2 47	4 767456 4 751422 4 746671	58540 56418 55805	11 087 10 685 10 569	Inch c.t.i. 36	Rangaswámibétta Hemagiri Chikkanamangalam	36 28 35 24 57 40 118 33 45	4 759027 4 610197 4 928522	57415 40756 84825	10 874 7 719 16 065	Inch 36 c.t.i.	
416	Halasúr-bétta, XXXIX Shivansandra Koliga	37 46 20 93 45 35 48 28 5	4 664303 4 876244 4 751422	46164 75205 56418	8 743 14 243 10 685	" " "	Bánávar Bardi Basavanhalli	52 11 12 74 10 45 53 38 3	4 728426 4 814021 4 736722	53509 65166 54541	10 134 12 342 10 330	" " "	
417	Halasúr-bétta, XXXIX Uialdinna Mandapam Koliga	100 39 16 46 40 29 32 40 15	5 006876 4 876244 4 746671	101596 75205 55805	19 242 14 243 10 569	" 36 c.t.i.	Uialdinna Mandapam Bánávar Herohalli	44 27 25 59 31 35 76 1 0	4 425990 4 516099 4 567596	26668 32817 36948	5 051 6 215 6 998	36 c.t.i. "	
418	Savandurga, XLI Nundydroog Devaráyadurga	50 14 10 49 53 47 79 52 3	5 225517 5 223361 5 332940	168080 167248 215249	31 833 31 676 40 767	36 " "	Uialdinna Mandapam Herohalli Bangalore	67 5 15 48 31 10 64 23 35	4 525305 4 435584 4 516099	33520 27264 32817	6 349 5 164 6 215	36 c.t.i. "	
419	Savandurga, XLI Bómmanhalli Devaráyadurga	51 25 8 89 33 38	5 317352 5 223361 5 424284	207659 167248 265634	39 329 31 676 50 310	" " "	Uialdinna Mandapam Bangalore Bangalore Palace	5 57 20 14 28 30	3 908687 4 290536 4 435584	8104 19523 27264	1 535 3 698 5 164	36 c.t.i. "	
420	Nundydroog Devaráyadurga Shivaganga Hill Pagoda	24 21 1 86 51 3 5 225517	4 871181 5 255297 5 225517	74333 180010 168080	14 078 34 093 31 833	c.t.i. " "	Bardi Basavanhalli Káskal	52 55 40 69 35 30 57 28 50	4 704426 4 774338 4 728426	50632 59475 53509	9 589 11 264 10 134	" " "	
421	Savandurga, XLI Nundydroog Shivaganga Hill Pagoda	55 45 32 25 32 46 5 332940	5 255297 4 922677 5 332940	180010 93902 215249	34 093 17 785 40 767	36 " "	Rangaswámibétta Chikkanamangalam Kunigal Fort	25 59 50 20 57 10	4 388222 4 299819 4 610197	24447 19944 40756	4 630 3 777 7 719	36 c.t.i. "	
422	Savandurga, XLI Devaráyadurga Bardi	29 30 18 30 34 51 119 54 51	4 977861 4 991963 5 223361	95030 98166 167248	17 998 18 592 31 076	" " c.t.i.	Rangaswámibétta Chikkanamangalam Huliyúrdurga Building	38 59 40 113 31 17	4 744841 4 908349 4 610197	55570 80975 40756	10 525 15 336 7 719	" " "	
423	Halasúr-bétta, XXXIX Bánávar Bardi	40 3 7 100 48 59 39 7 54	4 736722 4 920400 4 728287	54541 83253 53492	10 330 15 768 10 131	" " "	Savandurga, XLI Devaráyadurga Bairandurga Staff	23 39 7 17 25 36	5 009073 4 882109 5 223361	102111 76227 167248	19 339 14 437 31 676	36 " "	
424	Bómmanhalli Devaráyadurga Rangaswámibétta	46 14 43 44 59 30 88 45 47	5 176174 5 166875 5 317352	150029 146850 207659	28 415 27 813 39 329	36 " "	Savandurga, XLI Devaráyadurga Rámenhalli Hill Pillar	17 2 33 28 59 7	4 833211 5 051594 5 223361	68110 112614 167248	12 900 21 328 31 676	" " "	
425	Savandurga, XLI Devaráyadurga Rangaswámibétta	60 10 18 44 34 8 75 15 34	5 176174 5 084088 5 223361	150029 121363 167248	28 415 22 985 31 676	" " "	Savandurga, XLI Devaráyadurga Hutridurga Stone	66 5 59 21 40 48	5 184753 4 791210 5 223361	153022 61832 167248	28 981 11 711 31 676	" " "	
426	Savandurga, XLI Rangaswámibétta Hemagiri	44 6 15 51 10 34 84 43 11	4 928522 4 977515 5 084088	84825 94954 121363	16 065 17 084 22 985	c.t.i. " "	Uialdinna Mandapam Shivansandra Betdásanpur	92 41 25 46 14 25 41 4 10	4 949430 4 808594 4 767456	89008 64357 58540	16 858 12 189 11 087	" c.t.i. "	

\* This base is taken from the Synoptical Volume of the Madras Longitudinal Series.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles		
439	Shivansandra Betdsanapur Nalurahalli	h.s. " "	4 815299 4 491561 4 949430	65358 31014 89008	12 378 5 874 16 858	451	Devarabétta Ankisgiridrug Hudedurgam Pagoda No. 1	23 54 8 37 32 23	4 879217 5 056411 5 215231	75721 113871 164146	14 341 21 566 31 088	86 " "	
440	Shivansandra Nalurahalli Hökote Idgah	h.s. " "	4 567928 4 193377 4 491561	36977 15790 31014	7 003 2 991 5 874	452	Rangasvámbétta, XLIII Homagiri, XLIV Hutridurga Hill Mark (helio.)	47 16 28 45 27 45	4 779696 4 766601 4 913143	60214 58425 81873	11 404 11 065 15 506	24 " "	
441	Shivansandra Betdsanapur Chinnagara	h.s. " "	5 006991 4 497377 4 949430	101623 31432 89008	19 247 5 953 16 858	453	Halasúrbétta, XXXIX Bannergatta, XLII Bangalore Flag-staff	1 16 25 1 21 23	4 793391 4 819733 5 107193	62000 66029 127995	11 742 12 505 24 241	" " "	
442	Shivansandra Koliga Kodagurki	h.s. " "	4 837052 4 938535 4 664303	68715 86803 40164	13 014 16 440 8 743	454	Halasúrbétta, XXXIX Bannergatta, XLII Bangalore Hill Pagoda	5 49 9 10 8 22	4 673942 4 913573 5 107193	47200 81954 127995	8 939 15 522 24 241	" " "	
443	Halasúrbétta, XXXIX Koliga Kodagurki	h.s. " "	4 837052 4 767137 4 876244	68715 58497 75205	13 014 11 079 14 243	455	Halasúrbétta, XXXIX Nandigudi, XLVII Nundydroog Hill Mark (helio.)	63 52 13 47 48 38	4 982858 4 899455 4 997814	96130 79333 99498	18 206 15 025 18 844	" " "	
444	Ualidinna Mandapam Koliga Kodagurki	s. h.s. "	4 837052 5 052048 5 006876	68715 112732 101596	13 014 21 351 19 242	456	Halasúrbétta, XXXIX Tirthapalli, XLVI Nundydroog Hill Mark (helio.)	97 30 57 34 18 52	5 144633 4 899455 5 020609	139519 79333 104860	26 424 15 025 19 860	" " "	
445	Shivansandra Kodagurki Guraganjagurki Tree	h.s. " "	5 139587 5 015170 4 938535	137907 103555 86803	26 119 19 613 16 440	457	Bannergatta, XLII Tirthapalli, XLVI Bangalore Church No. 1	41 30 10 26 31 33	4 995507 4 824138 5 141472	98971 66702 138507	18 744 12 633 26 232	" " "	
446	Shivansandra Koliga Guraganjagurki Tree	h.s. " "	4 873550 5 015170 4 664303	74739 103555 40164	14 155 10 613 8 743	458	Halasúrbétta, XXXIX Tirthapalli, XLVI Bangalore Church No. 1	67 13 29 35 6 59	4 995507 4 790610 5 020609	98971 61746 104860	18 744 11 694 19 860	" " "	
447	Shivansandra Kodagurki Kéndatti Hill Peak	h.s. " "	5 123136 5 047942 4 938535	132781 111671 86803	25 148 21 150 16 440	459	Bannergatta, XLII Tirthapalli, XLVI Bangalore Church No. 2	37 36 47 22 7 21	4 990666 4 780971 5 141472	97874 60391 138507	18 537 11 438 26 232	" " "	
448	Kundana Kodagurki Devanhalli	h.s. " s.	4 208752 4 535550 4 491545	16172 34320 31013	3 063 6 500 5 874	460	Halasúrbétta, XXXIX Tirthapalli, XLVI Bangalore Church No. 2	64 45 39 39 31 11	4 990666 4 837932 5 020609	97874 68854 104860	18 537 13 041 19 860	" " "	
449	Kodagurki Devanhalli Devanhalli Fort	h.s. s. "	3 848420 4 239254 4 208752	7054 17348 16172	1 336 3 286 3 063	461	Turukungutta, LI Bangalore Base-line S.W. End, LII Bangalore Base-line S. End s.	69 1 5 41 26 22 69 32 33	4 677119 4 527660 4 678622	47546 33702 47711	9 005 6 383 9 036	" " "	
450	Shivansandra Koliga Malesvaram Hill	h.s. " "	4 861955 5 050845 4 664303	72770 112420 46164	13 782 21 292 8 743	462	Bangalore Base-line S.W. End, LII Bangalore Base-line S. End s. Bangalore Base-line N. End "	56 49 19 33 42 20 89 28 21	4 599849 4 421371 4 677119	39797 26386 47546	7 537 4 997 9 005	" " "	

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
463	Turukungutta, LI Bangalore Base-line S. End s. Bangalore Base-line N. End "	86 27 53 35 50 13 57 41 54	4 599849 4 368189 4 527660	39797 23345 33702	7 537 4 421 6 383	Inch 24 "	475	Pálmalai, LXIV Kanjamalai, LXV Shilakaradu No. 1 h.s.	33 23 52 57 21 43 89 14 25	4 817046 5 001690 5 076291	65621 100390 119204	12 428 19 013 22 577	Inch 7 "
464	Halasúrbétta, XXXIX Bangalore h.s. Kolár Peak	100 13 10 53 11 0	5 261451 5 171788 4 919398	182579 148521 83061	34 579 28 129 15 731	c.t.l. "	476	Karadigutta, LXII Pálmalai, LXIV Shilakaradu No. 1 h.s.	55 20 23 45 2 36 79 37 1	5 001690 4 936347 5 079363	100390 86367 120050	19 013 16 357 22 737	" " "
465	Kolár, XLVIII Bhúpatamma, XLIX Kolár Building	69 57 48 13 26 47	4 712339 4 105944 4 736575	51563 12763 54522	9 766 2 417 10 326	24 "	477	Pálmalai, LXIV Morúr, LXVII Shevaroy No. 1 h.s.	76 38 9 66 7 55	5 279135 5 252232 5 072846	190167 178744 118262	36 016 33 853 22 398	24 "
466	Bannergatta, XLIII Devarabétta, LV Hósúr h.s.	56 33 14 79 23 28	4 924654 4 995790 4 845480	84073 99035 70062	15 923 18 757 13 269	" "	478	Pálmalai, LXIV Kanjamalai, LXV Shevaroy No. 1 h.s.	27 52 29 114 54 18 37 13 13	4 964440 5 252232 5 076291	92138 178744 119204	17 450 33 853 22 577	" 8 "
467	Devarabétta, LV Anchéttidurga, LVI Hósúr h.s.	33 31 6 61 54 16	4 721204 4 924654 4 977157	52626 84073 94876	9 967 15 923 17 969	" "	479	Kanjamalai, LXV Shevaroy No. 1 h.s. Shevaroy No. 2 "	6 26 1 25 24 47 148 9 12	4 291515 4 874695 4 964440	19567 74937 92138	3 706 14 193 17 450	24 8 "
468	Shivansandra Hósúr h.s. Apsándra "	75 59 18 26 32 19 77 28 23	5 099551 5 148095 5 102205	125762 57914 126533	23 819 10 969 23 965	c.t.l. "	480	Kanjamalai, LXV Shilakaradu No. 1 h.s. Shevaroy No. 2 "	63 58 36 64 4 7 51 57 17	4 874356 4 874695 4 817046	74878 74937 65621	14 181 14 193 12 428	24 7 8
469	Hósúr h.s. Apsándra " Márkandesvara "	21 3 48 96 11 2 62 45 10	4 706207 5 148095 5 099551	50840 140636 125762	9 629 26 636 23 819	" "	481	Shevaroy No. 1 h.s. Shevaroy No. 2 " Shevaroy No. 3 "	37 15 8 12 9 55 130 34 57	4 192993 3 734735 4 291515	15595 5429 19567	2 954 1 028 3 706	" " "
470	Apsándra h.s. Márkandesvara " Karadibanda "	41 7 11 30 31 30 108 21 19	4 546870 4 434676 4 700207	35227 27207 50840	6 672 5 153 9 629	" "	482	Shilakaradu No. 1 h.s. Shevaroy No. 2 " Shevaroy No. 3 "	11 57 17 84 2 0 84 0 43	4 192993 4 874373 4 874356	15595 74881 74878	2 954 14 182 14 181	7 8 "
471	Halasúrbétta, XXXIX Nandigudi, XLVII Nundydroog Building	64 0 41 47 44 34	4 983602 4 899210 4 997814	96295 79288 99498	18 238 15 017 18 844	24 "	488	Shevaroy No. 2 h.s. Shevaroy No. 3 " Shevaroy Hill Mark No. 1	17 27 1 140 23 0 4 192993	4 093253 4 420890 4 192993	12395 26357 15595	2 348 4 992 2 954	" "
472	Kóppabétta, LVIII Bandhalidurga, LXI Arubéle Chapel	75 43 14 20 13 11	4 897232 4 449462 4 908523	78928 28149 81007	14 949 5 331 15 342	" "	484	Shevaroy No. 1 h.s. Shevaroy No. 2 " Shevaroy Hill Mark No. 1	160 1 19 5 17 6	4 420890 3 851602 4 291515	26357 7106 19567	4 992 1 346 3 706	" "
473	Kóppabétta, LVIII Bandhalidurga, LXI Golhalli Pagoda	74 27 0 9 9 16	4 895040 4 112895 4 908523	78531 12969 81007	14 873 2 456 15 342	" "	485	Shevaroy No. 1 h.s. Shevaroy No. 3 " Shevaroy Hill Mark No. 2	154 41 41 13 16 47	4 046823 3 777117 3 734735	11138 5986 5429	2 110 1 134 1 038	" "
474	Pónnésibétta, LIX Bandhalidurga, LXI Bandhalli Masjid	7 0 14 64 52 2	4 159617 5 030287 5 051370	14442 107223 112556	2 735 20 307 21 317	" "	486	Shevaroy No. 1 h.s. Shevaroy No. 2 " Shevaroy Hills, No. 1 Rev. Survey s.	159 6 19 5 27 50	4 418755 3 845232 4 291515	26227 7002 19567	4 967 1 326 3 706	" "

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
487	Shevaroy No. 2 h.s. Shevaroy No. 3 " Shevaroy Hills, No. 1 Rev. Survey s.	17 37 45 139 48 11	4'090150 4'418755 4'192993	12307 26227 15595	2'331 4'907 2'954	489	Kanjamalai, LXV Morúr, LXVII Sankaridrug h.s.	17 17 17 61 0 15	4'473498 4'942321 4'991353	20751 87563 98029	5'635 16'584 18'566	Inch 24 "
488	Shevaroy No. 2 h.s. Shevaroy No. 3 " Shevaroy Hills, No. 2 Rev. Survey s.	65 55 55 46 46 2	4'188506 4'090481 4'192993	15435 12316 15595	2'923 2'333 2'954	500	Pálamalai, LXIV Kanjamalai, LXV Sankaridrug h.s.	47 2 47 47 49 49	4'942321 4'947778 5'076291	87563 88670 119204	16'584 16'794 22'577	" " "
489	Kanjamalai, LXV Shilakaradu Karangkaradu Kusamalai	47 27 11 38 17 9 94 15 40	4'685552 4'610349 4'817046	48479 40771 65021	9'182 7'722 12'428	501	Kanjamalai, LXV Morúr, LXVII Sankaridrug Hill Temple	17 0 7 60 49 53	4'467203 4'942328 4'991353	29323 87564 98029	5'554 16'584 18'566	" " "
490	Kanjamalai, LXV Karangkaradu Kusamalai	12 53 22 65 51 30 101 15 8	3'967220 4'579029 4'610349	9273 37934 40771	1'756 7'184 7'722	502	Pálamalai, LXIV Morúr, LXVII Uráchimalai Hill Temple	39 28 0 41 53 40	4'881006 4'902422 5'072846	76034 79877 118262	14'400 15'128 22'398	" " "
491	Kanjamalai, LXV Kusamalai Súramangalam	4 31 30 11 27 13 164 1 17	4'036301 4'437180 4'579029	10872 27364 37934	2'059 5'183 7'184	503	Pálamalai, LXIV Urugamalai, LXVI Uráchimalai Hill Temple	67 18 13 33 48 12	5'122074 4'902422 5'148867	132457 79877 140886	25'087 15'128 26'683	" " "
492	Kanjamalai, LXV Karangkaradu Súramangalam	17 24 52 29 11 15 133 23 53	4'225134 4'437180 4'610349	16793 27364 40771	3'181 5'183 7'722	504	Kanjamalai, LXV Morúr, LXVII Sankaridrug House	9 25 34 61 2 42	4'231334 4'959093 4'991353	17035 91011 98029	3'226 17'237 18'566	" " "
493	Kanjamalai, LXV Kusamalai Salem	28 50 9 80 46 48 70 23 3	4'288313 4'599346 4'579029	19433 39751 37934	3'679 7'529 7'184	505	Pálamalai, LXIV Morúr, LXVII Vebakaramalai Hill Peak	33 0 3 121 52 21	5'180963 5'373868 5'072846	151692 236520 118262	28'730 44'795 22'398	" " "
494	Pálamalai, LXIV Kanjamalai, LXV Pullampati Foundry	39 5 24 5 47 36	5'027405 4'231758	106514 17051	20'173 3'229	506	Morúr, LXVII Chénnimalai, LXIX Vebakaramalai Hill Peak	136 30 53 22 35 24	5'434175 5'180963 5'148736	271753 151092 140843	51'468 28'730 26'675	" " "
495	Pálamalai, LXIV Morúr, LXVII Mc. Donald's Choultry Ry. Station	32 29 3 61 16 21	4'803809 5'016738	63651 103929	12'055 19'684	507	Morúr, LXVII Chénnimalai, LXIX Tiruchéngod Hill Temple	72 36 19 4 40 48	5'139189 4'071159	137781 11780	26'095 2'231	" "
496	Pálamalai, LXIV Kanjamalai, LXV Mc. Donald's Choultry Ry. Station	16 16 37 56 16 54	4'544324 5'016738	35021 103929	6'633 19'684	508	Kanjamalai, LXV Morúr, LXVII Tiruchéngod Hill Temple	5 37 45 119 39 39	4'071159 5'018541 4'991353	11780 104362 98029	2'231 10'765 18'566	" " "
497	Pálamalai, LXIV Kanjamalai, LXV Kálipati Temple	17 8 40 91 58 55	4'570452 5'100692	37192 126093	7'044 23'881	509	Morúr, LXVII Yéttimalai, LXXX Nainarnalai Hill Temple	82 9 46 46 46 50	5'199044 5'065690 5'093970	158141 116330 124157	29'951 22'032 23'515	" " "
498	Pálamalai, LXIV Morúr, LXVII Kálipati Temple	31 37 0 80 38 58	4'826026 5'100692	66992 126093	12'688 23'881	510	Kanjamalai, LXV Morúr, LXVII Nainarnalai Hill Temple	63 49 45 67 1 57	5'065690 5'076795 4'991353	116330 119342 98029	22'032 22'603 18'566	" " "



No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		°	'	"	Log. feet	Feet	Miles				°	'	"	Log. feet	Feet	Miles	
511	Urugamalai, LXVI Thittamalai, LXXI Mandileru	68	8	46	5° 23' 27.37	170898	32° 36.7	24	523	Chénnimalai, LXIX Thittamalai, LXXI Thittamalai Hill Temple	0	5	0	2° 25' 30.67	179	0° 03.4	24
512	Urugamalai, LXVI Komálkaradu, LXVIII Mandileru	79	41	3	5° 25' 04.8	181154	34° 30.9	7	524	Komálkaradu, LXVIII Chénnimalai, LXIX Thittamalai Hill Temple	76	58	32	5° 03' 07.53	107338	20° 32.9	"
513	Urugamalai, LXVI Komálkaradu, LXVIII Kodaná	32	10	11	4° 99' 13.87	98036	18° 56.7	"	525	Morúr, LXVII Chénnimalai, LXIX Erode Church	32	25	5	5° 01' 67.03	103921	19° 68.2	"
514	Urugamalai, LXVI Mandileru Kodaná	104	44	42	5° 34' 16.50	219609	41° 59.3	24	526	Morúr, LXVII Chénnimalai, LXIX	17	4	40	4° 92' 00.67	83189	15° 75.6	"
515	Komálkaradu, LXVIII Chénnimalai, LXIX Gopichéttipálayam Hill Temple	52	54	49	5° 22' 07.30	168550	31° 9.22	7	527	Chénnimalai, LXIX Yéttimalai, LXX Arnegiri Hill Temple	60	40	1	5° 09' 17.33	123519	23° 39.4	"
516	Chénnimalai, LXIX Thittamalai, LXXI Gopichéttipálayam Hill Temple	44	37	18	4° 93' 61.19	86322	16° 34.9	"	528	Morúr, LXVII Chénnimalai, LXIX Yélmatur Hill Temple	23	5	10	4° 74' 47.35	55557	10° 52.2	"
517	Urugamalai, LXVI Chénnimalai, LXIX Bhaváni Temple	21	5	3	5° 25' 80.48	181154	34° 30.9	"	529	Chénnimalai, LXIX Yéttimalai, LXX Yélmatur Hill Temple	36	18	46	5° 14' 87.36	140843	26° 67.5	"
518	Morúr, LXVII Chénnimalai, LXIX Bhaváni Temple	9	32	57	4° 50' 10.86	31702	6° 00.4	24	590	Yéttimalai, LXX Rangamalai, LXXVII Köllimalai Hill Peak	60	40	1	5° 09' 17.33	123519	23° 39.4	"
519	Komálkaradu, LXVIII Chénnimalai, LXIX Nagamalai Hill Temple	61	53	10	5° 22' 67.30	168550	31° 9.22	7	591	Morúr, LXVII Yéttimalai, LXX Köllimalai Hill Peak	23	5	10	4° 74' 47.35	55557	10° 52.2	"
520	Komálkaradu, LXVIII Thittamalai, LXXI Nagamalai Hill Temple	108	33	53	5° 25' 80.48	181154	34° 30.9	"	592	Morúr, LXVII Yéttimalai, LXX Köllimalai Hill Peak	60	40	1	5° 09' 17.33	123519	23° 39.4	"
521	Urugamalai, LXVI Thittamalai, LXXI Koribétta	128	23	11	5° 06' 29.97	117300	22° 21.6	24	593	Chénnimalai, LXIX Yéttimalai, LXX Yélmatur Hill Temple	35	3	1	4° 77' 88.53	60097	11° 38.2	"
522	Urugamalai, LXVI Chénnimalai, LXIX Koribétta	7	37	52	4° 26' 25.0	19872	3° 76.4	"	594	Chénnimalai, LXIX Yéttimalai, LXX Yélmatur Hill Temple	35	13	34	4° 78' 07.47	60360	11° 43.2	"

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
535	Chénnimalai, LXIX Alagumalai, LXXIII Pachapálayam Temple	53 45 8 42 22 9	4 781167	60418	11 443	24	547	Chénnimalai, LXIX Thittamalai, LXXI Úttukuli Hill Temple	31 32 55 22 37 38	4 840870	69322	13 129	
			4 703179	50487	9 562					4 707345	50974	9 054	
			4 872097	74490	14 108					5 031107	107425	20 346	
536	Chénnimalai, LXIX Yéttimalai, LXX Pachapálayam Temple	62 14 31 30 47 5	4 940972	87292	16 532	"	548	Thittamalai, LXXI Alagumalai, LXXIII Chénnimalai Hill Temple No. 1	37 1 36 59 55 17	4 877037	75342	14 269	
			4 703179	50487	9 562					5 034492	108266	20 505	
			4 993461	98506	18 656					5 094105	124195	23 522	
537	Chénnimalai, LXIX Tirumankaradu, LXXII Paramati Hill Temple	39 14 58 111 46 48	4 970539	93441	17 697	"	549	Komáلكaradu, LXVIII Thittamalai, LXXI Chénnimalai Hill Temple No. 1	77 42 28 70 9 16	5 034492	108266	20 505	
			5 137179	137145	25 974					5 017974	104226	19 740	
			4 854511	71534	13 548					4 770441	58944	11 164	
538	Chénnimalai, LXIX Yéttimalai, LXX Paramati Hill Temple	9 1 27 149 47 15	4 630918	42748	8 096	"	550	Komáلكaradu, LXVIII Thittamalai, LXXI Chénnimalai Hill Temple No. 2	77 57 12 70 0 39	5 036126	108674	20 582	
			5 137179	137145	25 974					5 018812	104427	19 778	
			4 993461	98506	18 656					4 770441	58944	11 164	
539	Chénnimalai, LXIX Tirumankaradu, LXXII Alagumalai Hill Temple	67 45 53 57 53 14	4 911090	81487	15 433	"	551	Thittamalai, LXXI Tirumankaradu, LXXII Chénnimalai Hill Temple No. 2	11 47 2 18 13 45	4 850933	70947	13 437	
			4 872534	74565	14 122					5 036126	108674	20 582	
			4 854511	71534	13 548					5 239974	173770	32 911	
540	Chénnimalai, LXIX Thittamalai, LXXI Alagumalai Hill Temple	83 59 11 36 39 53	5 094067	124184	23 520	"	552	Tirumankaradu, LXXII Paruttimalai, LXXIV Kondringi Hill Peak	27 15 21 87 33 39	4 766355	58302	11 059	
			4 872534	74565	14 122					5 105130	127388	24 127	
			5 031107	107425	20 346					5 063444	115730	21 918	
541	Chénnimalai, LXIX Alagumalai, LXXIII Arasanamalai Hill Temple No. 1	75 1 12 25 0 56	4 863778	73076	13 840	"	558	Paruttimalai, LXXIV Pérumálmalai, LXXVIII Kondringi Hill Peak	79 5 2 25 7 32	5 130442	135033	25 575	
			4 504994	31989	6 058					4 766355	58392	11 059	
			4 872097	74490	14 108					5 124877	133314	25 249	
542	Thittamalai, LXXI Alagumalai, LXXIII Arasanamalai Hill Temple No. 1	32 50 31 34 19 58	4 863778	73076	13 840	"	554	Paruttimalai, LXXIV Rangamalai, LXXVII Dhárápuram Building (helio.)	128 8 10 10 4 50	5 159521	144385	27 346	
			4 880797	75997	14 393					4 506916	32130	6 085	
			5 094105	124195	23 522					5 087477	122314	23 166	
543	Thittamalai, LXXI Alagumalai, LXXIII Arasanamalai Hill Temple No. 2	32 51 31 34 23 4	4 863755	73073	13 840	"	555	Paruttimalai, LXXIV Rangamalai, LXXVII Pönivádi Hill Temple	34 45 39 8 50 11	5 004880	101130	19 153	
			4 881152	76059	14 405					4 435318	27247	5 160	
			5 094105	124195	23 522					5 087477	122314	23 166	
544	Chénnimalai, LXIX Alagumalai, LXXIII Arasanamalai Hill Temple No. 2	75 2 2 24 57 50	4 863755	73073	13 840	"	556	Paruttimalai, LXXIV Rangamalai, LXXVII Koth Hill Temple	65 59 6 18 17 37	5 050325	112286	21 266	
			4 504103	31023	6 046					4 586418	38585	7 308	
			4 872097	74490	14 108					5 087477	122314	23 166	
545	Chénnimalai, LXIX Alagumalai, LXXIII Arasanamalai Hill Mark	75 0 52 25 0 9	4 863741	73070	13 839	"	557	Rangamalai, LXXVII Pérumálmalai, LXXVIII Tewattúr Hill Temple	23 1 27 27 37 22	4 956798	90531	17 146	
			4 504757	31971	6 055					5 030677	107319	20 326	
			4 872097	74490	14 108					5 252810	178982	33 898	
546	Chénnimalai, LXIX Alagumalai, LXXIII Úttukuli Hill Temple	52 28 55 42 56 26	4 773407	59348	11 240	"	558	Paruttimalai, LXXIV Rangamalai, LXXVII Tewattúr Hill Temple	61 6 10 25 6 27	5 030677	107319	20 326	
			4 707345	50974	9 654					4 716119	52014	9 851	
			4 872097	74490	14 108					5 087477	122314	23 166	

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
559	Rangamalai, LXXVII Kalugumalai, LXXX Aringyanmalai h.s.	52 47 50 58 21 27	5 178960 5 207876 5 247474	150994 161390 176797	28 597 30 566 33 484	571	Chaklichimalai, LXXVI Përümálmalai, LXXVIII Anaimalai Hills, Peak No. 5	122 50 39 24 29 17	5 187300 4 880472 4 995150	153922 75940 98889	29 152 14 383 18 729	"
560	Paruttimalai, LXXIV Rangamalai, LXXVII Aringyanmalai h.s.	80 3 45 51 38 55	5 207876 5 108879 5 087477	161390 128493 122314	30 566 24 336 23 166	572	Köllupálayam, LXXV Chaklichimalai, LXXVI Anaimalai Hills, Peak No. 5	31 50 21 109 47 22	4 880472 5 131782 4 951140	75940 135451 89359	14 383 25 654 16 924	"
561	Chaklichimalai, LXXVI Përümálmalai, LXXVIII Aivaremalai Hill Temple	54 24 43 14 19 59	4 935954 4 419422 4 995150	86289 26268 98889	16 343 4 975 18 729	573	Paruttimalai, LXXIV Përümálmalai, LXXVIII Tinnavarai Hill Peak	11 51 54 98 7 1	4 464878 5 147469 5 124877	29166 140433 133314	5 524 26 597 25 249	"
562	Paruttimalai, LXXIV Përümálmalai, LXXVIII Aivaremalai Hill Temple	40 4 2 43 54 38	4 935954 4 968349 5 124877	86289 92971 133314	16 343 17 668 25 249	574	Paruttimalai, LXXIV Chaklichimalai, LXXVI Tinnavarai Hill Peak	34 6 41 89 30 51	4 896295 5 147469 5 067960	78758 140433 110939	14 916 26 597 22 148	"
563	Paruttimalai, LXXIV Köllupálayam, LXXV Anaimalai Hills, Peak No. 1	36 41 11 118 55 34	5 129556 5 295395 4 969116	134758 197422 93136	25 522 37 390 17 639	575	Köllupálayam, LXXV Chaklichimalai, LXXVI Somávarapati Temple	85 37 25 23 5 59	4 973486 4 568408 4 951140	94077 37018 89359	17 818 7 011 16 924	"
564	Paruttimalai, LXXIV Përümálmalai, LXXVIII Anaimalai Hills, Peak No. 1	58 2 2 80 14 40	5 239302 5 295395 5 124877	169942 197422 133314	32 186 37 390 25 249	576	Köllupálayam, LXXV Chaklichimalai, LXXVI Kóttamangalam Temple	55 28 47 12 0 22	4 901457 4 303666 4 951140	79700 20122 89359	15 095 3 811 16 924	"
565	Paruttimalai, LXXIV Përümálmalai, LXXVIII Anaimalai Hills, Peak No. 2	56 44 27 84 50 4	5 253755 5 329678 5 124877	179372 213638 133314	33 972 40 462 25 249	577	Paruttimalai, LXXIV Chaklichimalai, LXXVI Palmi House (helio)	29 35 55 40 22 10	4 788720 4 906445 5 067960	61478 80620 110939	11 644 15 269 22 148	"
566	Paruttimalai, LXXIV Köllupálayam, LXXV Anaimalai Hills, Peak No. 2	37 58 46 119 47 22	5 180373 5 329678 4 969116	151486 213638 93136	28 691 40 462 17 639	578	Paruttimalai, LXXIV Chaklichimalai, LXXVI Palmi Hill Temple	34 9 4 45 47 55	4 823930 4 930131 5 067960	66670 85139 110939	12 627 16 125 22 148	"
567	Paruttimalai, LXXIV Köllupálayam, LXXV Anaimalai Hills, Peak No. 3	38 54 41 118 32 37	5 183495 5 329173 4 969116	152579 213389 93136	28 898 40 415 17 639	579	Köllupálayam, LXXV Chaklichimalai, LXXVI Palmi Hill Temple	34 1 32 97 23 4	4 823930 5 072465 4 951140	66670 118158 89359	12 627 22 378 16 924	"
568	Paruttimalai, LXXIV Përümálmalai, LXXVIII Anaimalai Hills, Peak No. 3	55 48 32 85 39 32	5 248014 5 329173 5 124877	177017 213389 133314	33 536 40 415 25 249	580	Paruttimalai, LXXIV Chaklichimalai, LXXVI Allúrankave Hill Mark	22 51 39 95 33 38	4 713123 5 121090 5 067960	51656 132340 116939	9 783 25 064 22 148	"
569	Paruttimalai, LXXIV Köllupálayam, LXXV Anaimalai Hills, Peak No. 4	41 39 51 107 14 57	5 078853 5 232000 4 969116	119909 172266 93136	22 710 32 626 17 639	581	Chaklichimalai, LXXVI Përümálmalai, LXXVIII Allúrankave Hill Mark	19 46 48 19 10 15	4 726181 4 713123 4 995150	53233 51656 98889	10 082 9 783 18 729	"
570	Köllupálayam, LXXV Chaklichimalai, LXXVI Anaimalai Hills, Peak No. 4	27 34 42 106 57 22	4 763699 5 078853 4 951140	58036 119909 89359	10 992 22 710 16 924	582	Paruttimalai, LXXIV Chaklichimalai, LXXVI Kúkal Hill Mark	16 42 0 127 58 1	4 764212 5 202513 5 067960	58105 159409 116939	11 005 30 101 22 148	"

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		o	'	"	Log. feet	Feet	Miles				o	'	"	Log. feet	Feet	Miles	
583	Chaklichimalai, LXXVI	52	11	11	4° 8' 30" 09	78164	14.804	Inch	595	Përumálmalai, LXXVIII	6	47	5	4° 24' 8" 16	17726	Inch	
	Përumálmalai, LXXVIII	35	57	48	4° 76' 42" 12	58105	11.005	"		Karumankád	15	18	32	4° 59' 7" 864	39615	24	
	Kúka. Hill Mark	4	99	51	4° 99' 51" 50	98889	18.729	"		Kódaikáanal Church	4	75	15	4° 75' 15" 50	56435	7	
584	Bangamalai, LXXVII	55	15	53	5° 37' 8" 080	238825	45.232	"	596	Përumálmalai, LXXVIII	119	32	42	5° 28' 0" 65	190574	24	
	Mudimalai, LXXIX	98	13	45	5° 45' 8" 822	287622	54.474	"		Kalugumalai, LXXX	10	25	8	4° 59' 7" 864	39615	"	
585	Trichinopoly Temple (helio.)	5	11	29	5° 11' 29" 37	129699	24.564	"	597	Kódaikáanal Church	5	22	5	5° 22' 5" 045	167898	"	
	Bangamalai, LXXVII	91	57	16	5° 53' 49" 30	342712	64.908	"		Përumálmalai, LXXVIII	1	8	19	3° 53' 38" 0	3423	"	
586	Kalugumalai, LXXX	57	0	35	5° 45' 8" 822	287622	54.474	"	598	Kalugumalai, LXXX	75	57	22	5° 22' 29" 77	167100	"	
	Trichinopoly Temple (helio.)	5	24	74	5° 24' 74" 74	176797	33.484	"		Ponúrikimalai	102	54	19	5° 22' 5" 045	167898	8	
587	Mudimalai, LXXIX	118	21	53	5° 13' 09" 74	135199	25.606	"	599	Përumálmalai, LXXVIII	44	18	28	5° 39' 32" 64	247323	24	
	Kalugumalai, LXXX	17	50	54	4° 67' 29" 48	47092	8.919	"		Kutipárai, LXXXI	28	9	37	5° 22' 29" 77	167100	"	
588	Véllaimalai Hill Mark	45	46	47	5° 02' 66" 13	106319	20.136	"	600	Ponúrikimalai	107	31	55	5° 52' 8" 433	337624	8	
	Bangamalai, LXXVII	45	46	47	5° 13' 09" 74	135199	25.606	"		Përumálmalai, LXXVIII	22	49	55	5° 02' 47" 10	105855	24	
589	Kalugumalai, LXXX	64	38	23	5° 23' 16" 50	170471	32.286	"	601	Ponúrikimalai	119	23	42	5° 37' 59" 91	237679	8	
	Sirumalai Hill Mark	5	24	74	5° 24' 74" 74	176797	33.484	"		Sikandarmalai	37	46	23	5° 22' 29" 77	167100	7	
590	Përumálmalai, LXXVIII	8	37	47	4° 45' 02" 31	28199	5.341	"	602	Përumálmalai, LXXVIII	21	28	33	5° 16' 24" 67	145367	24	
	Kalugumalai, LXXX	54	40	24	5° 18' 56" 21	153328	29.039	"		Kutipárai, LXXXI	36	46	10	5° 37' 59" 91	237679	"	
591	Sirumalai Hill Mark	14	19	53	5° 22' 5" 045	167898	31.799	"	603	Sikandarmalai	121	45	17	5° 52' 8" 433	337624	7	
	Përumálmalai, LXXVIII	4	45	53	4° 32' 60" 64	21187	4.013	"		Përumálmalai, LXXVIII	17	20	15	4° 98' 72" 26	97102	24	
592	Kalugumalai, LXXX	36	24	8	5° 18' 00" 34	151368	28.668	"	604	Ponúrikimalai	131	48	38	5° 38' 5" 373	242869	8	
	Sirumalai Hill Peak	5	22	5	5° 22' 5" 045	167898	31.799	"		Madura Temple	5	22	29	5° 22' 29" 77	167100	"	
593	Përumálmalai, LXXVIII	11	26	15	4° 32' 60" 64	21187	4.013	"	605	Ponúrikimalai	12	24	56	4° 37' 30" 72	23609	"	
	Kalugumalai, LXXX	72	53	27	5° 00' 90" 87	102114	19.340	"		Sikandarmalai	62	9	50	4° 98' 72" 26	97102	"	
594	Kódaikáanal Bungalow.	124	43	31	5° 27' 88" 19	190028	35.990	"	606	Madura Temple	54	2	49	5° 02' 47" 10	105855	24	
	Përumálmalai, LXXVIII	8	42	29	4° 54' 41" 29	35005	6.630	"		Kalugumalai, LXXX	36	8	57	5° 39' 8" 422	250278	"	
595	Kódaikáanal Cottage	118	41	50	5° 22' 5" 045	167898	31.799	"	607	Përumálmalai, LXXVIII	56	30	59	5° 169" 195	147637	"	
	Përumálmalai, LXXVIII	10	6	34	4° 57' 7" 08	37819	7.163	"		Kalugumalai, LXXX	51	57	5	5° 144" 250	139396	"	
596	Përumálmalai, LXXVIII	126	19	47	5° 22' 5" 045	167898	31.799	"	608	Kúdirimalai Hill Mark	54	2	49	5° 306" 640	202600	"	
	Kalugumalai, LXXX	12	43	31	5° 22' 5" 045	167898	31.799	"		Përumálmalai, LXXVIII	56	30	59	5° 169" 195	147637	"	
597	Karumankád	4	75	15	5° 22' 5" 045	167898	31.799	"	609	Përumálmalai, LXXVIII	45	27	24	5° 078" 201	119729	"	
	Përumálmalai, LXXVIII	10	6	34	4° 57' 7" 08	37819	7.163	"		Kalugumalai, LXXX	46	26	13	5° 085" 390	121728	"	
598	Përumálmalai, LXXVIII	126	19	47	5° 22' 5" 045	167898	31.799	"	610	Dóddapanayakanúr Hill Mark	59	33	41	5° 334" 249	215898	"	
	Kalugumalai, LXXX	12	43	31	5° 22' 5" 045	167898	31.799	"		Kutipárai, LXXXI	28	33	48	5° 078" 201	119729	"	
599	Përumálmalai, LXXVIII	126	19	47	5° 22' 5" 045	167898	31.799	"	611	Dóddapanayakanúr Hill Mark	59	33	41	5° 334" 249	215898	"	
	Kalugumalai, LXXX	12	43	31	5° 22' 5" 045	167898	31.799	"		Kutipárai, LXXXI	28	33	48	5° 078" 201	119729	"	
600	Karumankád	4	75	15	5° 22' 5" 045	167898	31.799	"	612	Përumálmalai, LXXVIII	107	31	55	5° 52' 8" 433	337624	"	
	Përumálmalai, LXXVIII	10	6	34	4° 57' 7" 08	37819	7.163	"		Ponúrikimalai	107	31	55	5° 52' 8" 433	337624	"	

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	
			Log. feet	Feet	Miles				Log. feet	Feet	Miles		
607	Kalugumalai, LXXX	5 40 0	4' 48990	3902	5.853	619	Bangamalai, LXXVII	38 58 21	4' 912367	81727	15.479	Inch 24	
	Kutipárai, LXXXI	47 26 6	5' 362672	230501	43.655		Mudimalai, LXXIX	54 32 11	5' 024635	105836	20.045		" 8
	Shúlakarai	5' 398422	250278	47.401	Dindigul		86 29 28	5' 112937	129699	24.564			
608	Pérumálmalai, LXXVIII	47 18 7	5' 362672	230501	43.655	620	Mudimalai, LXXIX	29 15 54	4' 720555	52548	9.952	" 24	
	Kalugumalai, LXXX	100 19 54	5' 489323	308548	58.437		Kalugumalai, LXXX	52 15 42	4' 920454	85007	16.100		
609	Shúlakarai	5' 225045	167898	31.799	621	Sátámpádi Hill Mark	36 21 7	5' 032802	106319	20.136	" "		
	Pérumálmalai, LXXVIII	42 10 54	5' 374524	236878		44.863	Kutipárai, LXXXI	43 27 43	5' 097443	125154		23.703	
610	Kalugumalai, LXXX	109 23 51	5' 225045	167898	31.799	622	Tumbichináyan Rock	8 14 38	5' 037224	108949	20.634	" "	
	Black	3 23 57	4' 294499	19701	3.731		Pemalai, LXXXII	5 23 16	4' 853361	71345	13.512		
611	Kalugumalai, LXXX	45 28 13	5' 374524	236878	44.863	623	Tirutankal Temple	53 55 41	5' 163295	145645	27.584	" "	
	Kutipárai, LXXXI	6 45 36	4' 107111	12797	2.424		Pemalai, LXXXII	42 27 11	5' 085029	121627	23.035		
612	Pérumálmalai, LXXVIII	141 58 4	4' 825949	66981	12.686	624	Shippipárai Hill Temple	42 44 49	5' 003705	100857	19.102	" "	
	Karumankád	21 44 35	4' 825949	66981	12.686		Pemalai, LXXXII	78 34 30	5' 163295	145645	27.584		
613	Vembádishuli Hill Mark	89 15 59	5' 257190	180796	34.242	625	Pemalai, LXXXII	68 36 47	5' 266479	184705	34.982	" "	
	Kóllupálayam, LXXV	5' 227350	168791	31.968	Périyúr, LXXXIV		70 33 18	5' 271958	187050	35.426			
614	Pérumálmalai, LXXVIII	14 51 43	4' 927017	84531	16.010	626	Shippipárai Hill Temple	87 12 32	5' 115116	130352	24.688	" "	
	Karumankád	8 39 32	4' 691588	49157	9.310		Pemalai, LXXXII	41 40 14	5' 154220	142633	27.014		
615	Périyakulam	156 33 36	5' 117598	131098	24.829	627	Ratunagiri Hill Temple	16 13 41	4' 561953	36471	6.907	" "	
	Kalugumalai, LXXX	8 39 32	4' 691588	49157	9.310		Tiruvannámalai Hill Temple	67 49 5	5' 070474	117618	22.276		
616	Karumankád	30 32 56	5' 220000	165959	31.432	628	Pemalai, LXXXII	20 5 12	4' 639720	43623	8.262	" "	
	Périyakulam	153 24 15	5' 314712	206401	39.091		Périyúr, LXXXIV	31 20 10	5' 070474	117618	22.276		
617	Pérumálmalai, LXXVIII	9 47 44	4' 331357	21447	4.062	629	Srivilliputúr Temple	37 48 43	5' 140072	138061	26.148	" "	
	Karumankád	16 48 1	4' 561321	36435	6.901		Pemalai, LXXXII	5 57 18	4' 266976	18492	3.502		
618	Modkati	18 28 50	4' 101779	18626	2.391	680	Périyúr, LXXXIV	128 38 2	5' 143734	139230	26.369	" "	
	Tinnavarai Hill Mark	47 40 57	4' 469137	29454	5.578		Sankaranainárkoil Temple	5' 103577	126934	24.040			
619	Pérumálmalai, LXXVIII	22 54 42	5' 135497	136614	25.874	680	Pemalai, LXXXII	5 57 18	4' 266976	18492	3.502	" "	
	Karumankád	147 50 1	5' 271420	186819	35.382		Périyúr, LXXXIV	128 38 2	5' 143734	139230	26.369		
620	Animalsi Hills, Peak No. 6	4 75 1550	56435	10.688	680	Srivilliputúr Temple	5' 323573	210655	39.897	" "			
	Pérumálmalai, LXXVIII	13 6 58	5' 180583	151560		28.704	Pemalai, LXXXII	5' 103577	126934		24.040		
621	Karumankád	163 45 24	5' 271420	186819	35.382	680	Périyúr, LXXXIV	5 57 18	4' 266976	18492	3.502	" "	
	Animalsi Hills, Peak No. 6	4' 561521	36435	6.901	Sankaranainárkoil Temple		5' 103577	126934	24.040				

• Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		°	'	"	Log. feet	Feet	Miles				°	'	"	Log. feet	Feet	Miles	
631	Pemalai, LXXXII Koilpati, LXXXIII Sankaranarcoil Temple	38 37 14			5 069641	117393	22 233	24	643	Koilpati, LXXXIII Përiyûr, LXXXIV Maipárai Hill Temple	24 47 14			4 928762	84872	16 074	24
632	Pemalai, LXXXII Koilpati, LXXXIII Chokampati Hill Peak	47 45 15			5 143734	139230	26 309	"	644	Koilpati, LXXXIII Përiyûr, LXXXIV Sáyamalai Hill Mark (helio.)	15 52 38			4 743369	55382	10 489	"
633	Pemalai, LXXXII Përiyûr, LXXXIV Chokampati Hill Peak	73 30 21			5 273475	187705	35 550	"	645	Koilpati, LXXXIII Kutaitatti, LXXXVI Sáyamalai Hill Mark (helio.)	28 15 13			4 849197	70664	13 383	"
634	Kutipárai, LXXXI Koilpati, LXXXIII Kalugumalai Hill Temple	49 8 13			5 226817	168584	31 949	"	646	Koilpati, LXXXIII Minákahi, LXXXIV* Pandalagudi	33 50 12			4 919712	83121	15 743	"
635	Pemalai, LXXXII Përiyûr, LXXXIV Kalugumalai Hill Temple	28 55 49			5 273475	187705	35 550	"	647	Koilpati, LXXXIII Pandalagudi	28 1 11			4 913595	81959	15 522	"
636	Kutipárai, LXXXI Përiyûr, LXXXIV Kulamgundam Hill Peak	104 11 5			4 924881	84116	15 931	"	648	Koilpati, LXXXIII Kutaitatti, LXXXVI Vadanûr Hill Peak	28 27 11			4 919712	83121	15 743	"
637	Kutipárai, LXXXI Përiyûr, LXXXIV Kulamgundam Hill Peak	17 20 34			5 103577	126934	24 040	"	649	Përiyûr, LXXXIV Kutaitatti, LXXXVI Vadanûr Hill Peak	22 29 53			4 895789	78666	14 899	24
638	Pemalai, LXXXII Përiyûr, LXXXIV Puliangudi Hill Peak	119 43 46			4 746926	55837	10 575	"	650	Kutaitatti, LXXXVI Valanád, LXXXVII Kolandumalai Hill Peak	144 19 18			5 078828	119002	22 709	"
639	Pemalai, LXXXII Përiyûr, LXXXIV Puliangudi Hill Peak	19 4 47			5 211290	162663	30 807	"	651	Përiyûr, LXXXIV Kutaitatti, LXXXVI Kolandumalai Hill Peak	13 10 49			4 670950	46876	8 878	"
640	Kutipárai, LXXXI Përiyûr, LXXXIV Kulamgundam Hill Peak	43 2 46			5 105777	127578	24 103	"	652	Kulayanallûr, LXXXV Kutaitatti, LXXXVI Setûr Hill Peak	33 30 26			5 078828	119002	22 709	24
641	Pemalai, LXXXII Përiyûr, LXXXIV Kulamgundam Hill Peak	31 42 36			4 891525	77808	14 753	"	653	Koilpati, LXXXIII Kutaitatti, LXXXVI Setûr Hill Peak	86 42 1			5 336136	216838	41 068	"
642	Pemalai, LXXXII Përiyûr, LXXXIV Kulamgundam Hill Peak	112 49 15			5 321203	209588	39 085	"	654	Përiyûr, LXXXIV Kutaitatti, LXXXVI Kulamgundam Hill Peak	59 47 33			5 273475	187705	35 550	12
		32 12 46			5 077335	119491	22 631	"			60 18 38			5 264168	183725	34 796	24
		77 46 32			5 349594	219076	41 492	"			76 14 33			5 312645	205421	38 906	"
		102 38 17			5 242321	174711	33 089	"			124 8 6			5 264168	183725	34 796	"
		30 10 51			4 954308	90013	17 048	"			19 35 18			4 871067	74416	14 094	"
		32 48 59			5 118376	131334	24 874	"			77 38 27			5 118376	131334	24 874	"
		97 20 40			5 103577	126934	24 040	"			45 55 39			5 065391	116249	22 017	"
		7 9 26			4 528190	33743	6 391	"			13 8 10			5 001030	100237	18 984	"
		144 44 22			5 194096	156349	29 612	"			149 32 25			5 349448	223588	42 346	"
		153 38 0			5 103777	127578	24 163	"			80 56 0			5 468764	294282	55 735	"
		17 25 31			4 813013	65015	12 313	"			61 11 7			5 149292	141024	26 709	"
		8 56 29			4 528190	33743	6 391	"			82 56 55			5 360025	233897	44 299	"
		23 29 51			4 794162	62253	11 700	"			52 54 56			5 317081	207530	39 305	"
					4 984166	96420	18 261	12			5 365310			5 162675	145437	27 545	"
					87670	16 604		24			5 306280			5 306280	202432	38 339	"

\* This station appertains to the South-East Coast Series. † This base is taken from the Synoptical Volume of the South-East Coast Series.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		o	'	"	Log. feet	Feet	Miles				Log. feet	Feet	Miles	o	'	"	
655	Përiyûr, LXXXIV	39	5	21	5.187825	154108	29.187	24	667	Valanád, LXXXVII	37	2	28	4.671224	46906	8.884	36
	Kutaitatti, LXXXVI	108	24	27	5.365310	231905	43.921			Kunnattûr	62	33	54	4.839533	69109	13.089	
	Agastyamalal Hill Peak No. 1				5.118376	131334	24.874			Tálaiyût	80	23	38	4.885215	76774	14.541	
656	Përiyûr, LXXXIV	80	11	4	5.456151	285858	54.140	"	668	Pallangkota				4.671224	46906	8.884	"
	Kulayanallûr, LXXXV	55	33	56	5.378890	239271	45.316			Kunnattûr	47	1	29	4.557931	36135	6.844	
	Agastyamalal Hill Peak No. 2				5.306280	202432	38.339			Tálaiyût	61	13	18	4.636375	43289	8.199	
657	Përiyûr, LXXXIV	36	19	30	5.188870	154479	29.257	"	669	Kunnattûr	41	14	28	4.491042	30977	5.867	"
	Kutaitatti, LXXXVI	113	26	9	5.378890	239271	45.316			Tálaiyût	45	19	22	4.523923	33414	6.328	
	Agastyamalal Hill Peak No. 2				5.118376	131334	24.874			Palamcottah Base-line W. End	93	26	10	4.671224	46906	8.884	
658	Kulayanallûr, LXXXV	28	42	5	4.861205	72645	13.759	"	670	Tálaiyût	73	9	30	4.484510	30515	5.779	"
	Kutaitatti, LXXXVI	40	5	33	4.988645	97419	18.451			Palamcottah Base-line W. End	30	31	34	4.209353	16194	3.067	
	Melpatnam Hill Temple				5.149292	141024	26.709			Palamcottah Base-line E. End	76	18	56	4.491042	30977	5.867	
659	Kulayanallûr, LXXXV	26	45	4	4.642576	43911	8.317	"	671	Kunnattûr	54	18	20	4.484510	30515	5.779	"
	Valanád, LXXXVII	93	1	49	4.988645	97419	18.451			Palamcottah Base-line W. End	62	54	36	4.524411	33451	6.335	
	Melpatnam Hill Temple				4.927735	84671	16.036			Palamcottah Base-line E. End	62	47	4	4.523923	33414	6.328	
660	Koilpatî, LXXXVIII	92	19	40	5.421549	263966	49.994	"	672	Palamcottah Base-line W. End	24	10	7	4.243577	17522	3.319	"
	Kulayanallûr, LXXXV	66	15	59	5.383531	241841	45.803			Palamcottah Base-line E. End	110	20	59	4.603416	40125	7.599	
	Kuttalam Hill Peak				4.984166	96420	18.261			Palamcottah Flag-staff	54	25	14	5.034966	108384	20.527	
661	Përiyûr, LXXXIV	96	46	0	5.421549	263966	49.994	"	673	Kanimárpôtai, XCI	27	26	25	4.702897	50454	9.556	"
	Kulayanallûr, LXXXV	33	37	58	5.167991	147228	27.884			Pallangkota	54	25	14	4.949618	89047	16.805	
	Kuttalam Hill Peak				5.306280	202432	38.339			Palamcottah Flag-staff	54	25	14	5.034966	108384	20.527	
662	Kulayanallûr, LXXXV	29	30	2	5.175087	149654	28.344	"	674	Kulayanallûr, LXXXV	25	37	43	4.580978	38105	7.217	c.t.i.
	Kutaitatti, LXXXVI	122	51	6	5.407061	255306	48.353			Valanád, LXXXVII	48	20	35	4.818356	65820	12.466	
	Sámikuchimalal Hill Peak				5.149292	141024	26.709			Puluwodayár Hill Pagoda	48	20	35	4.927735	84671	16.036	
663	Kutaitatti, LXXXVI	85	59	16	5.262364	182963	34.652	"	675	Valanád, LXXXVII	46	33	37	4.896529	78800	14.924	"
	Valanád, LXXXVII	54	40	49	5.175087	149654	28.344			Pallangkota	20	33	19	4.580978	38105	7.217	
	Sámikuchimalal Hill Peak				5.065391	116249	22.017			Puluwodayár Hill Pagoda	48	20	35	4.999930	99984	18.936	
664	Përiyûr, LXXXIV	42	21	48	5.134910	136430	25.839	"	676	Valanád, LXXXVII	38	28	37	4.846681	70256	13.306	"
	Kulayanallûr, LXXXV	48	44	17	5.182406	152197	28.825			Pallangkota	23	50	1	4.659221	45627	8.641	
	Pallangkota				5.306280	202432	38.339			Rëttiyápati Hill Mark	40	21	12	4.846681	70256	13.306	
665	Valanád, LXXXVII	57	50	51	5.034966	108384	20.527	"	677	Kanimárpôtai, XCI	40	21	12	4.846681	70256	13.306	"
	Kanimárpôtai, XCI	51	21	14	4.999930	99984	18.936			Pallangkota	46	57	54	4.899322	79309	15.021	
	Pallangkota				5.082411	120896	22.897			Rëttiyápati Hill Mark	46	57	54	5.034966	108384	20.527	
666	Valanád, LXXXVII	24	4	22	4.636375	43289	8.199	"	678	Kutaitatti, LXXXVI	53	42	17	4.971949	93745	17.755	24
	Pallangkota	46	20	15	4.885215	76774	14.541			Valanád, LXXXVII	38	10	49	4.856711	71897	13.617	
	Kunnattûr				4.999930	99984	18.936			Kaidár Temple	53	42	17	5.065391	116249	22.017	

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		o	'	"	Log. feet	Feet	Miles				o	'	"	Log. feet	Feet	Miles	
679	Kutaitatti, LXXXXVI Valanád, LXXXXVII Ilavelankulam Hill Temple	41 28 4	64 8 42	5 065391	79929	108621	15.138	"	691	Kulayanallúr, LXXXXV Valanád, LXXXXVII Ótapidáram Pagoda s.	97 24 7	72 51 10	4 927735	87871	14999	16.642	Inch 36
680	Kulayanallúr, LXXXXV Valanád, LXXXXVII Ilavelankulam Hill Temple	70 21 31	23 32 22	4 927735	79929	33894	15.138	"	692	Kutaitatti, LXXXXVI Kanímárpóttai, XCI Kanúrpati Hill Mark (helio.)	123 9 15	5 48 31	5 105830	137382	16607	26.019	"
681	Kulayanallúr, LXXXXV Valanád, LXXXXVII Tuticorin Chimney No. 1	81 33 0	46 7 7	4 927735	105806	77100	20.039	"	698	Valanád, LXXXXVII Kanímárpóttai, XCI Tinnevelly Temple	42 37 17	35 1 16	5 082411	83806	71025	15.872	"
682	Valanád, LXXXXVII Pullávái, LXXXXVIII Tuticorin Chimney No. 1	21 4 34	96 22 15	4 975341	38285	105806	7.251	"	694	Kutaitatti, LXXXXVI Kanímárpóttai, XCI Tinnevelly Temple	31 2 30	20 41 13	5 105830	83806	57413	15.872	"
683	Kulayanallúr, LXXXXV Valanád, LXXXXVII Tuticorin Chimney No. 2	77 46 32	48 36 38	4 927735	102702	78907	19.468	"	695	Valanád, LXXXXVII Kanímárpóttai, XCI Palamcottah Church	42 58 25	26 9 26	5 082411	88196	57037	16.704	"
684	Valanád, LXXXXVII Pullávái, LXXXXVIII Tuticorin Chimney No. 2	18 35 3	95 8 55	4 975341	32802	102702	6.230	"	696	Kutaitatti, LXXXXVI Kanímárpóttai, XCI Palamcottah Church	40 31 58	29 33 3	5 105830	88196	66932	16.704	"
685	Kulayanallúr, LXXXXV Valanád, LXXXXVII Tuticorin Convent	79 15 43	46 43 3	4 927735	102800	76170	19.470	"	697	Kutaitatti, LXXXXVI Kanímárpóttai, XCI Palamcottah Temple	41 45 56	31 31 29	5 105830	88735	69650	16.806	"
686	Kulayanallúr, LXXXXV Valanád, LXXXXVII Tuticorin Port Flag-staff	78 58 48	47 44 15	4 927735	103681	78173	19.637	"	698	Valanád, LXXXXVII Kanímárpóttai, XCI Palamcottah Temple	42 18 3	24 11 0	5 082411	88735	54012	16.806	"
687	Valanád, LXXXXVII Pullávái, LXXXXVIII Tuticorin Port Flag-staff	19 27 26	95 25 28	4 927735	34602	103681	6.570	"	699	Valanád, LXXXXVII Kanímárpóttai, XCI Srivaikuntham Temple	68 37 59	14 57 50	5 054203	113293	31412	21.457	"
688	Kulayanallúr, LXXXXV Pullávái, LXXXXVIII Tuticorin Light-house	20 8 39	69 7 5	4 927735	34259	92944	6.488	"	700	Valanád, LXXXXVII Tiruchéndúr, LXXXIX Menánapuram Church	23 22 7	51 57 53	5 073065	48513	90333	9.188	"
689	Kulayanallúr, LXXXXV Valanád, LXXXXVII Tuticorin Light-house	81 15 31	52 28 41	4 927735	115827	92944	21.937	"	701	Valanád, LXXXXVII Kanímárpóttai, XCI Menánapuram Church	76 27 15	43 36 14	5 082411	135795	90333	25.719	"
690	Kulayanallúr, LXXXXV Valanád, LXXXXVII Tuticorin Flag-staff*	78 17 42	48 11 9	4 927735	103115	78485	19.529	c.t.i.	702	Valanád, LXXXXVII Kanímárpóttai, XCI Ittamóli No. 1 s.	49 24 34	66 8 23	5 082411	101756	122547	19.272	"

\* For another triangle to this point, see the Synoptical Volume of the South-East Coast Series, by which the value of the common side was less by 10 feet.



No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
708	Kanimárpóttai, XCI Manpóttai, XCIV Ittamóli No. 1 s.	58 34 45 48 11 39	5° 05' 54.5 5° 00' 75.9 4° 54' 48.1	114168 101756 88883	21.623 19.272 16.834	Inch 36	715	Manpóttai, XCI Kudankulam Dutch Rock s.	137 23 0 9 31 26	4° 78' 69.8 4° 17' 50.23 4° 09' 35.23	61232 14903 49377	11.597 2.834 9.352	Inch 86
704	Kanimárpóttai, XCI Rádhápuram, XCII Ittamóli No. 2 s.	43 31 2 82 37 16 53 51 42	4° 86' 53.1 5° 02' 07.0 4° 93' 17.75	72867 104947 85462	13.801 19.876 16.186	24	716	Manpóttai, XCI Punne Observatory, CIV Dutch Rock	113 58 39 15 38 39	4° 70' 50.9 4° 17' 50.23 4° 03' 08.47	50700 14963 42741	9.602 2.834 8.095	"
705	Manpóttai, XCIV Ittamóli Kudankulam No. 1 s.	62 30 41 25 36 40 91 52 39	5° 00' 57.52 4° 69' 35.23 5° 05' 57.545	101333 49377 114168	19.192 9.352 21.623	36	717	Valanád, LXXXVII Pulláváli, LXXXVIII Tiruchéndúr Temple	40 21 54 86 46 14	4° 88' 51.12 5° 07' 30.78 4° 97' 53.41	76756 118325 94480	14.537 22.410 17.894	24
706	Manpóttai, XCIV Punne Observatory, CIV Kudankulam s.	23 24 21 97 28 19 59 7 20	4° 29' 62.81 4° 69' 35.23 4° 63' 08.47	19782 49377 42741	3.747 9.352 8.095	"	718	Valanád, LXXXVII Ittamóli, XC Tiruchéndúr Temple	48 44 13 63 9 49	4° 99' 86.06 5° 07' 30.78 5° 09' 00.37	99680 118325 123037	18.879 22.410 23.303	"
707	Manpóttai, XCIV Kudankulam Kallikulam h.s.	86 43 30 42 20 59 50 55 31	4° 80' 27.70 4° 63' 19.17 4° 69' 35.23	63499 42847 49377	12.026 8.115 9.352	"	719	Valanád, LXXXVII Tiruchéndúr, LXXXIX Odangudi Church	21 48 48 74 42 12	4° 64' 59.37 5° 06' 02.15 5° 07' 30.65	44252 114872 118322	8.381 21.756 22.409	"
708	Kanimárpóttai, XCI Ittamóli Kallikulam No. 1 s.	48 54 24 35 1 21 96 4 15	4° 88' 71.66 4° 76' 88.38 5° 00' 75.59	77120 58727 101756	14.606 11.123 19.272	"	720	Valanád, LXXXVII Ittamóli, XC Odangudi Church	27 3 25 68 21 13	4° 74' 98.69 5° 06' 02.15 5° 09' 00.37	56217 114872 123037	10.647 21.756 23.303	"
709	Ittamóli Kallikulam Nanguneri Pagoda No. 1 s.	35 45 1 83 34 17	4° 71' 33.08 4° 94' 39.68 4° 88' 71.66	51678 87896 77120	9.788 16.647 14.606	"	721	Kanimárpóttai, XCI Manpóttai, XCIV Suviseeshapuram Church	69 46 28 57 21 36	5° 01' 96.02 4° 97' 25.93 4° 94' 88.21	104617 93884 88883	19.814 17.781 16.834	"
710	Valanád, LXXXVII Ittamóli Nanguneri Pagoda No. 1 s.	43 18 0 63 43 23	4° 94' 39.68 5° 06' 03.88 5° 08' 50.1	87896 114918 122547	16.647 21.765 23.210	"	722	Ittamóli, XC Kanimárpóttai, XCI Suviseeshapuram Church	30 11 51 4 0 44	4° 97' 25.93 4° 11' 59.48 5° 02' 09.50	93884 13060 104942	17.781 2.474 19.875	"
711	Kanimárpóttai, XCI Kallikulam Vallúur Rock h.s.	17 34 12 43 8 57	4° 30' 80.26 4° 66' 31.98 4° 76' 83.38	20325 46047 58727	3.849 8.721 11.123	"	723	Valanád, LXXXVII Pulláváli, LXXXVIII Pinnakáyal Church	18 2 40 70 20 51	4° 46' 65.29 4° 94' 94.47 4° 97' 53.41	29277 89012 94480	5.545 16.858 17.894	"
712	Manpóttai, XCIV Kallikulam Káttapuli Church h.s.	123 8 13 28 57 11	4° 88' 45.09 4° 64' 65.22 4° 63' 19.17	76649 44312 42847	14.517 8.392 8.115	"	724	Valanád, LXXXVII Pulláváli, LXXXVIII Tuticorin Church	19 2 30 94 41 43	4° 52' 72.86 5° 01' 22.68 4° 97' 53.41	33673 102865 94480	6.378 19.482 17.894	"
713	Manpóttai, XCIV Kudankulam Káttapuli Church s.	36 24 43 62 27 36	4° 47' 22.35 4° 64' 65.22 4° 69' 35.23	29664 44312 49377	5.618 8.392 9.352	"	725	Tiruchéndúr, LXXXIX Ittamóli Manapád Church No. 2 s.	36 22 6 26 55 54	4° 82' 17.12 4° 70' 47.05 4° 99' 97.09	66330 50665 99933	12.563 9.596 18.927	"
714	Manpóttai, XCIV Kudankulam Pillikulam Church s.	9 49 57 80 17 25	3° 92' 59.32 4° 68' 75.8 4° 69' 35.23	8432 48670 49377	1.597 9.218 9.352	"	726	Valanád, LXXXVII Tiruchéndúr, LXXXIX Manapád Church	20 32 51 104 23 57	4° 70' 47.05 5° 14' 55.7 5° 07' 30.65	50665 139816 118322	9.596 26.480 22.409	"

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	
		°	'	"	Log. feet	Feet	Miles				Log. feet	Feet	Miles					
727	Kanimárpóttai, XC I	110	23	33	5' 151655	141793	26' 855	Inch	789	Manpóttai, XCIV	91	50	42	4' 776427	59762	11' 319	Inch	
	Itamóli No. 2 s.	25	40	46	4' 816589	65552	12' 415	"		Kudankulam, XCV	25	56	22	4' 417552	26155	4' 954	"	
	Mahendragiri No. 1 h.s.	43	55	41	5' 020970	104947	19' 876	8		Katádi Hill Mark	4	723452		52900	10' 019	"		
728	Kanimárpóttai, XC I	109	18	59	5' 150709	141485	26' 796	24	740	Rádhápuram, XCII	73	18	52	4' 840059	69193	13' 105	"	
	Itamóli No. 2 s.	26	15	24	4' 821680	66325	12' 562	"		Kudankulam, XCV	72	45	33	4' 838776	68988	13' 066	"	
	Mahendragiri No. 2 h.s.	96	38	2	5' 020970	104947	19' 876	8		Arabelle Hill Building	4	605475		40316	7' 636	"		
729	Kanimárpóttai, XC I	35	31	53	4' 716026	52003	9' 849	"	741	Manpóttai, XCIV	125	24	34	4' 840059	69193	13' 105	"	
	Manpóttai, XCIV	47	50	5	4' 821680	66325	12' 562	"		Kudankulam, XCV	16	2	48	4' 370454	23467	4' 444	"	
	Mahendragiri No. 2 h.s.	96	38	2	4' 948821	88883	16' 834	8		Arabelle Hill Building	4	723452		52900	10' 019	"		
730	Itamóli No. 2 s.	4	6	53	4' 122140	13248	2' 509	24	HYDERABAD									
	Mahendragiri No. 1 h.s.	125	42	39	5' 175837	149912	28' 392	8										
	Sámikuchimalai Hill Mark (helio.)	5	15	655	5' 151655	141793	26' 855											
731	Vijayápati, XCIII	81	21	59	4' 917123	82627	15' 649	24	MINOR SERIES.									
	Manpóttai, XCIV	33	58	41	4' 669387	46708	8' 846	"										
	Analkarai Church	73	45	9	4' 669387	46708	8' 846	"										
732	Rádhápuram, XCII	51	21	22	4' 579762	37998	7' 197	"	742	Tadmanúr, II	78	58	46' 94	5' 1000696	125912' 7	23' 847	"	
	Vijayápati, XCIII	73	45	9	4' 669387	46708	8' 846	"		Topkónnda, III	38	45	16' 25	4' 9047168	80300' 2	15' 208	"	
	Analkarai Church	51	21	22	4' 599874	39799	7' 538	"		Suldapur h.s.	62	15	56' 81	5' 0551530	113541' 1	21' 504	"	
733	Kanimárpóttai, XC I	28	20	12	4' 673502	47044	8' 910	"	743	Suldapur h.s.	51	14	52' 44	5' 0409729	106893' 7	20' 813	"	
	Manpóttai, XCIV	35	24	12	4' 759052	57419	10' 875	"		Topkónnda, III	65	25	49' 96	5' 1077380	128155' 7	24' 272	"	
	Tiruvannámalai Hill Mark (helio.)	4	948821	88883	16' 834					Lachhmanpur "	63	19	17' 60	5' 1000696	125912' 7	23' 847	"	
734	Manpóttai, XCIV	153	43	14	4' 988272	97336	18' 435	"	744	Topkónnda, III	76	29	42' 35	5' 0710831	117783' 1	22' 307	"	
	Kudankulam, XCV	12	21	22	4' 672502	47044	8' 910	"		Lachhmanpur h.s.	38	22	51' 70	4' 8762739	75209' 7	14' 244	"	
	Tiruvannámalai Hill Mark (helio.)	4	948821	88883	16' 834					Chebala "	65	7	25' 95	5' 0409729	109893' 7	20' 813	"	
735	Manpóttai, XCIV	25	10	15	4' 630470	42704	8' 088	"	745	Chebala h.s.	46	29	34' 09	4' 9349258	86084' 7	16' 304	"	
	Kudankulam, XCV	6	37	22	4' 063706	11580	2' 193	"		Lachhmanpur "	50	35	44' 57	4' 9622184	91710' 4	17' 369	"	
	Vadakankulam Church	4	723452	52900	10' 019					Gaganpahar "	82	54	41' 34	5' 0710831	117783' 1	22' 307	"	
736	Manpóttai, XCIV	143	55	10	4' 917095	82622	15' 648	"	746	Lachhmanpur h.s.	85	3	12' 89	5' 1167336	130837' 9	24' 780	"	
	Kudankulam, XCV	13	55	43	4' 528536	33770	6' 396	"		Gaganpahar "	53	59	20' 25	5' 0262508	106230' 9	20' 119	"	
	Tatakamalai Hill Peak	4	723452	52900	10' 019					Kishoragutta "	72			4' 9349258	86084' 7	16' 304	"	
737	Rádhápuram, XCII	80	35	0	4' 917095	82622	15' 648	"	747	Lachhmanpur h.s.	28	30	1' 75	4' 6613148	45847' 4	8' 683	"	
	Kudankulam, XCV	70	38	28	4' 897711	79015	14' 965	"		Gaganpahar "	35	7	45' 89	4' 7420340	55288' 4	10' 471	"	
	Tatakamalai Hill Peak	4	605475	40316	7' 636					Hyderabad, Naubatpahar "	18	116	22	12' 36	4' 9349258	86084' 7	16' 304	"
738	Rádhápuram, XCII	61	8	6	4' 776427	59762	11' 319	"	748	Gaganpahar h.s.	18	51	34' 75	4' 9479178	88698' 8	16' 799	"	
	Kudankulam, XCV	82	39	7	4' 830461	67680	12' 818	"		Kishoragutta "	15	9	37' 6' 13	4' 6613148	45847' 4	8' 683	"	
	Katádi Hill Mark	4	605475	40316	7' 636					Hyderabad, Naubatpahar "	16	151	31	19' 12	5' 1167336	130837' 9	24' 780	"

\* Deduced base.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
				Log. feet	Feet	Miles				Log. feet	Feet	Miles	
749	Gaganpahār Kishoragutta Secunderabad	0° 15' 16" 0° 16' 16" 0° 16' 16"	12 37 40.44 13 40 25.64 15 34 41 53.92	4 8099209 4 8438701 5 1167336	64553.7 69802.4 130837.9	12.226 13.220 24.780	761	Lachhmanpur Gaganpahār Babu Sāhib Hill Dargah	0° 1' 11" 13 47 42 117 53 56	4 439169 5 008116 4 934926	27490 101886 86085	5.206 19.297 16.304	Inch C.T.I. "
750	Lachhmanpur Hyderabad, Naubatpahār Bolarum P.W.D. Offices.	0° 1' 11" 0° 1' 11" 0° 2' 12"	44 17 19.5 57 56 43.4 77 45 57.1	4 5966370 4 6807721 4 7426340	39503.6 47948.2 55288.4	7.482 9.081 10.471	762	Lachhmanpur Hyderabad, Naubatpahār Durgapahār	24 27 54 45 49 57 109 42 9	4 385978 4 624538 4 742634	24321 42125 55288	4.606 7.978 10.471	24 7 7
751	Tadmanūr, II Suldapur Medkōnda	h.s. h.s. "	110 21 50 25 59 1 43 49 9	5 036808 4 705957 4 904717	108845 50811 80300	20.615 9.623 15.208	763	Gaganpahār Hyderabad, Naubatpahār Durgapahār	31 16 50 70 32 15 78 10 55	4 385978 4 645067 4 661315	24321 44164 45847	4.606 8.364 8.683	24 7 7
752	Dūdāla, XLIV* Tadmanūr, II Medkōnda	h.s. h.s. "	5 26 9 136 18 28	4 705957 3 890630 4 753481	50811 7774 56687	9.623 1.472 10.736	764	Hyderabad, Naubatpahār Durgapahār Secunderabad	127 18 11 26 35 10 26 6 39	4 643028 4 393255 4 385978	43957 24732 24321	8.325 4.684 4.606	24 7 24
753	Narsula, II† Suldapur Sandūr Building	h.s. h.s. "	33 47 40 89 0 2	4 547933 4 802624 4 727286	35313 63478 53369	6.688 12.022 10.108	765	Topkōnda, III Chebala Golconda Fort (helio.)	49 58 38 92 32 52	4 976183 5 001644 4 876274	94664 123494 75210	17.929 23.389 14.244	" " "
754	Topkōnda, III Suldapur Sandūr Building	h.s. h.s. "	15 25 4 93 9 3	4 547933 5 122630 5 100070	35313 132627 125913	6.688 25.119 23.847	766	Hyderabad, Naubatpahār Durgapahār Golconda Fort (helio.)	30 25 19 80 18 51	4 119527 4 468829 4 385978	13168 25635 24321	2.494 4.855 4.606	" " 7
755	Topkōnda, III Suldapur Patanchēru Dargah	h.s. h.s. "	63 55 29 31 43 18	5 055563 4 822997 5 100070	113648 66527 125913	21.524 12.600 23.847	767	Lachhmanpur Durgapahār Secunderabad Church No. 1	56 52 20 71 18 43	4 652061 4 705578 4 624538	44881 50767 42125	8.500 9.615 7.978	24 7 7
756	Suldapur Lachhmanpur Patanchēru Dargah	h.s. h.s. "	19 31 35 61 0 52	4 637743 5 055563 5 107738	43425 113648 128156	8.224 21.524 24.272	768	Gaganpahār Durgapahār Hyderabad Hill Temple	71 17 50 38 18 36	4 647448 4 463342 4 645067	44407 29063 44164	8.410 5.504 8.364	24 7 7
757	Topkōnda, III Lachhmanpur Rānesvarāmbanda Mosque	h.s. h.s. "	8 38 40 15 57 27	4 598520 4 860767 5 040973	39675 72572 109894	7.514 13.745 20.813	769	Gaganpahār Hyderabad, Naubatpahār Hyderabad Hill Temple	40 1 0 38 23 13	4 478489 4 463342 4 601315	30095 29063 45847	5.700 5.504 8.683	24 "
758	Lachhmanpur Chebala Golconda Hill Mosque	h.s. h.s. "	52 16 59 27 43 34	4 975919 4 745402 5 071083	94606 55642 117783	17.918 10.538 22.307	770	Durgapahār Secunderabad Hyderabad College	53 59 14 48 0 5	4 560492 4 523688 4 643028	36349 33395 43957	6.884 6.325 8.325	7 24 "
759	Topkōnda, III Lachhmanpur Golconda Hill Mosque	h.s. h.s. "	26 43 4 90 39 51	4 745402 5 092550 5 040973	55642 123751 109894	10.538 23.438 20.813	771	Hyderabad, Naubatpahār Secunderabad Hyderabad College	123 34 39 21 53 26	4 560492 4 211292 4 393255	36349 16266 24732	6.884 3.081 4.684	" " "
760	Topkōnda, III Lachhmanpur Babu Sāhib Hill Dargah	h.s. h.s. "	36 53 3 102 46 20	5 008116 5 218939 5 040973	101886 165554 109894	19.297 31.355 20.813	772	Durgapahār Secunderabad Hyderabad Mosque No. 1	55 11 59 47 50 7	4 568786 4 524311 4 643028	37050 33443 43957	7.017 6.334 8.325	7 24 24

\* This station appertains to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral. † This station appertains to the Bider Longitudinal Series of the South-East Quadrilateral. ‡ Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
773	Hyderabad, Naubatpahar h.s. Secunderabad Hyderabad Mosque No. 1	125 14 6 21 43 28	4.568786 4.225043 4.393255	37050 16790 24732	7.017 3.180 4.684	24 "	Topkonda, III Chebala Umdiapur Hill Pagoda	74 2 2 56 18 11	4.977091 4.014291 4.876274	94862 82090 75210	17.966 15.547 14.244	Inch C.T.I. "	
774	Durgapahar h.s. Secunderabad Hyderabad Mosque No. 2	47 13 47 44 48 47	4.509048 4.491367 4.643028	32289 31000 43957	6.115 5.871 8.325	7 24	Topkonda, III Chebala Yellakonda Hill Pagoda	41 51 27 18 31 12	4.761412 4.439033 4.876274	57731 27481 75210	10.934 5.205 14.244	" " "	
775	Hyderabad, Naubatpahar h.s. Secunderabad Hyderabad Mosque No. 2	119 28 33 18 42 8	4.509048 4.075279 4.393255	32289 11893 24732	6.115 2.252 4.684	" "	Lachhmanpur Gaganpahar Secunderabad Church (helio.)	46 51 54 37 55 55	4.799890 4.725400 4.934926	63080 53137 86085	11.947 10.064 16.304	24 "	
776	Lachhmanpur h.s. Gaganpahar Hyderabad Mosque No. 3	27 12 21 30 34 55	4.667610 4.714036 4.934926	46517 5765 86085	8.810 9.804 16.304	C.T.I. "	Lachhmanpur Hyderabad, Naubatpahar Secunderabad Church (helio.)	18 21 52 73 49 15	4.241344 4.725400 4.742634	17432 53137 55288	3.301 10.064 10.471	" "	
777	Gaganpahar h.s. Durgapahar Hyderabad Hill Tomb No. 1	31 50 21 22 28 19	4.457658 4.317731 4.645007	28685 20784 44164	5.433 3.936 8.364	24 7	Lachhmanpur Gaganpahar Bolarum Flag-staff	73 27 33 32 52 27	4.934462 4.687453 4.934926	85993 48691 86085	16.287 9.222 16.304	" "	
778	Durgapahar h.s. Secunderabad Hyderabad Hill Tomb No. 1	82 17 46 35 19 28	4.691638 4.457658 4.643028	49163 28685 43957	9.311 5.433 8.325	" 24	Gaganpahar Kishoragutta Bolarum Flag-staff	21 6 54 31 27 58	4.773389 4.934462 5.116734	59346 85993 130838	11.240 16.287 24.780	" "	
779	Lachhmanpur h.s. Kishoragutta Hyderabad Hill Tomb No. 2	52 15 49 45 45 41	4.928611 4.885705 5.026251	8,842 78861 106231	16.069 14.557 20.119	C.T.I. "	Lachhmanpur Kishoragutta Secunderabad Flag-staff	26 45 55 20 2 18	4.817054 4.698366 5.026251	65623 49930 106231	12.429 9.457 20.119	" "	
780	Lachhmanpur h.s. Gaganpahar Hyderabad Hill Tomb No. 2	32 47 25 62 42 52	4.670584 4.885705 4.934926	46836 78861 86085	8.871 14.557 16.304	" "	Lachhmanpur Gaganpahar Secunderabad Flag-staff	58 17 19 35 22 7	4.865591 4.698366 4.934926	73382 49930 86085	13.898 9.457 16.304	" "	
781	Suldapur h.s. Lachhmanpur Annankonda	32 49 56 41 32 27 105 37 37	4.858240 4.945710 5.107738	72151 83249 128156	13.665 16.714 24.272	" "	Lachhmanpur Gaganpahar Secunderabad Hill Temple	66 36 55 35 2 20	4.906749 4.702985 4.934926	80677 50464 86085	15.280 9.558 16.304	" "	
782	Lachhmanpur h.s. Kishoragutta Annankonda	81 6 23 36 51 38 62 1 59	5.074930 4.858240 5.026251	118831 72151 106231	22.506 13.665 20.119	" "	Gaganpahar Kishoragutta Secunderabad Hill Temple	18 57 1 25 39 40	4.781760 4.906749 5.116734	60501 80677 130838	11.458 15.280 24.780	" "	
783	Lachhmanpur h.s. Annankonda Nagalur Hill Mosque	8 50 8 10 40 27	4.520925 4.602233 4.858240	33184 40016 72151	6.285 7.579 13.665	" "	Lachhmanpur Gaganpahar Bolarum Monument	75 40 47 33 36 36	4.946310 4.703165 4.934926	88371 50485 86085	16.737 9.562 16.304	" "	
784	Kishoragutta h.s. Annankonda Medcharla Mosque	11 9 51 23 5 30	4.611459 4.918018 5.074930	40875 82798 118831	7.742 15.681 22.506	" "	Gaganpahar Kishoragutta Bolarum Monument	20 22 45 32 39 56	4.755997 4.946310 5.116734	57016 88371 130838	10.799 16.737 24.780	" "	

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
797	Lachhmanpur Gaganpahār Bālapur	21 49 27 98 40 0	4 569827 4 994577 4 934926	37139 98759 86085	7 034 18 704 16 304	Inch C.T.I. 86	808	Gaganpahār Kishoragutta Hyderabad Hill Mosque	17 31 27 8 50 0	4 948102 4 655660 5 116734	88736 45254 130838	16 806 8 571 24 780	Inch C.T.I. "
798	Lachhmanpur Gaganpahār Secunderabad Tomb No. 1	50 55 32 24 15 37	4 839652 4 563325 4 934926	69128 36587 86085	13 092 6 929 16 304	C.T.I. "	809	Lachhmanpur Hyderabad, Naubatpahār Secunderabad Hospital	28 49 31 71 21 23	4 432701 4 726119 4 742634	27083 53225 55288	5 129 10 081 10 471	24 "
799	Gaganpahār Bālapur Secunderabad Tomb No. 1	74 24 23 74 25 38	4 839608 4 839652 4 569827	69121 69128 37139	13 091 13 092 7 034	" "	810	Lachhmanpur Kishoragutta Secunderabad Hospital	27 43 41 22 43 44	4 806824 4 726119 5 026251	64095 53225 106231	12 139 10 081 20 119	" "
800	Gaganpahār Bālapur Hyderabad Tomb	43 42 21 50 4 47	4 410226 4 455535 4 569827	25717 28545 37139	4 871 5 406 7 034	" "	811	Lachhmanpur Kishoragutta Bolarum Church	6 34 11 5 31 52	4 763264 4 688807 5 026251	57978 48843 106231	10 981 9 251 20 119	" "
801	Lachhmanpur Gaganpahār Bolarum Mosque	84 22 7 34 7 21	4 988890 4 739926 4 934926	97474 54945 86085	18 461 10 406 16 304	" "	812	Lachhmanpur Kishoragutta Sultānagar Jāma Masjid	45 28 37 52 36 9	4 883653 4 930645 5 026251	76499 85240 106231	14 488 16 144 20 119	C.T.I. "
802	Gaganpahār Kishoragutta Bolarum Mosque	19 52 0 40 13 26	4 710072 4 988890 5 116734	51295 97474 130838	9 715 18 461 24 780	" "	818	Lachhmanpur Hyderabad, Naubatpahār Secunderabad Tomb No. 2	18 38 31 72 39 54	4 247426 4 722559 4 742634	17678 52791 55288	3 348 9 998 10 471	24 "
803	Lachhmanpur Gaganpahār Secunderabad Hill Mosque	64 30 26 44 59 51	4 916106 4 810058 4 934926	82434 64574 86085	15 613 12 230 16 304	" "	814	Hyderabad, Naubatpahār Secunderabad Secunderabad Tomb No. 2	8 48 20 20 26 11	3 889315 4 247426 4 393255	7750 17678 24732	1 468 3 348 4 684	" "
804	Lachhmanpur Kishoragutta Secunderabad Hill Mosque	20 32 48 26 20 44	4 708157 4 810058 5 026251	51069 64574 106231	9 672 12 230 20 119	" "	815	Lachhmanpur Hyderabad, Naubatpahār Secunderabad Church No. 2	19 31 12 76 29 48	4 268956 4 732858 4 742634	18576 54058 55288	3 518 10 238 10 471	" "
805	Lachhmanpur Gaganpahār Hyderabad Statue	29 45 57 47 6 47	4 642296 4 811340 4 934926	43883 64765 86085	8 311 12 266 16 304	" "	816	Hyderabad, Naubatpahār Secunderabad Secunderabad Church No. 2	4 58 26 14 30 17	3 808246 4 268956 4 393255	6431 18576 24732	1 218 3 518 4 684	" "
806	Lachhmanpur Kishoragutta Hyderabad Statue	55 17 17 37 30 45	4 941655 4 811340 5 026251	87429 64765 106231	16 559 12 266 20 119	" "	817	Gaganpahār Hyderabad, Naubatpahār Goleonda Tomb	34 30 33 48 47 13	4 417524 4 540665 4 661315	26153 34727 45847	4 953 6 577 8 683	" "
807	Lachhmanpur Gaganpahār Hyderabad House	29 51 33 42 9 23	4 653797 4 783505 4 934926	45061 66744 86085	8 534 11 505 16 304	" "	818	Hyderabad, Naubatpahār Secunderabad Hyderabad Idgah	99 4 23 36 58 19	4 546369 4 331018 4 393255	35186 21430 24732	6 664 4 059 4 684	" "

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used		
			Log. feet	Feet	Miles				Log. feet	Feet	Miles			
<b>HYDERABAD—KURNOOL</b>														
<b>MINOR SERIES.</b>														
819	Chebala Gaganpahār Bodampād	h.s. " s. " s.	84 55 8 40 2 50 55 2 2	5° 04' 16.4 4° 85' 36.8 4° 96' 24.18	111472 72006 91710	21.112 13.637 17.369	829	Bádapalle Tumengutta Yérragutta No. 1	h.s. " "	50 50 1 52 3 31 77 6 28	5° 18' 11.8 5° 19' 55.19 5° 28' 7.551	154212 156862 193888	29.207 29.709 36.721	Inch C.T.I. "
820	Gaganpahār Bodampād Guttapalle	h.s. s. h.s.	55 50 50 42 58 31 81 10 39	4° 97' 01.24 4° 88' 59.16 5° 04' 71.64	93352 76898 111472	17.680 14.564 21.112	880	Tumengutta Yérragutta No. 1 Paichagutta	h.s. " "	56 4 59 23 18 40 100 36 21	5° 11' 46.00 4° 79' 29.93 5° 18' 8.118	130197 62086 154212	24.658 11.759 29.207	" " "
821	Guttapalle Bodampād Bádapalle	h.s. s. h.s.	58 22 17 84 50 35 36 47 8	5° 12' 29.94 5° 19' 10.65 4° 97' 01.24	132737 152262 93352	25.140 29.406 17.680	888	Yérragutta No. 1 Pédda Kurwa Yéllakónda	h.s. " "	55 58 44 32 8 34 91 52 42	5° 12' 99.66 4° 93' 7.437 5° 21' 12.67	134886 86584 162655	25.547 16.398 30.806	" " "
822	Bodampād Bádapalle Pöchamagat, IX	s. h.s. h.s.	50 56 42 43 44 35 85 18 43	5° 01' 46.14 4° 96' 41.94 5° 12' 29.94	103422 92086 132737	19.588 17.441 25.140	884	Jagannáth Yéllakónda Kére Béliagal, XXI	h.s. " "	92 15 10 45 30 15 42 14 35	5° 24' 08.38 5° 09' 44.47 5° 06' 87.22	174116 124293 117145	32.976 23.540 22.186	" C.T.I. 86
823	Bádapalle Pöchamagat, IX Impagat, XIII	h.s. h.s. "	52 25 58 89 57 2 37 37 0	5° 12' 80.92 5° 22' 90.16 5° 01' 46.14	134305 169440 103422	25.437 32.091 19.588	885	Kére Béliagal, XXI Yéllakónda Darúr, XVI	h.s. " "	58 49 4 53 18 31 67 52 25	5° 20' 62.93 5° 17' 81.62 5° 24' 08.38	160803 150717 174116	30.455 28.545 32.976	" C.T.I. 86
824	Bodampād Guttapalle Dunavaram	s. h.s. "	103 58 31 63 44 57	4° 34' 49.88 5° 00' 43.47 4° 97' 01.24	22130 101006 93352	4.191 19.130 17.680	886	Chebala Bodampād Mallanagutta	h.s. s. h.s.	64 48 40 56 45 57 58 25 23	4° 88' 35.65 4° 84' 93.94 4° 85' 73.68	76483 70696 72006	14.485 13.389 13.637	C.T.I. 86 86
825	Bodampād Bádapalle Dunavaram	s. h.s. "	72 34 3 43 14 23 64 11 34	5° 14' 82.04 5° 00' 43.47 5° 12' 29.94	140671 101006 132737	26.642 19.130 25.140	887	Chebala Gaganpahār Mallanagutta	h.s. " "	20 6 28 43 49 24 116 4 8	4° 54' 53.03 4° 84' 93.94 4° 96' 24.18	35100 70696 91710	6.648 13.389 17.369	C.T.I. 86 "
826	Dunavaram Bádapalle Janalrájgutta	h.s. " "	79 9 39 18 29 4 82 21 17	5° 14' 42.64 4° 65' 32.06 5° 14' 82.04	139400 44999 140671	26.402 8.523 26.642	888	Chebala Mallanagutta Solipet Mosque	h.s. " "	21 35 20 24 29 42 116 4 8	4° 55' 76.28 4° 60' 94.90 4° 96' 24.18	36110 40690 70696	6.839 7.706 13.389	C.T.I. 86 "
827	Janalrájgutta Bádapalle Maishagutta	h.s. " "	92 34 18 20 49 0 66 36 42	5° 18' 10.61 4° 73' 21.91 5° 14' 42.64	151726 53975 139400	28.736 10.222 26.402	889	Chebala Gaganpahār Solipet Mosque	h.s. " "	41 41 48 23 48 50 116 4 8	4° 82' 63.03 4° 60' 94.90 4° 96' 24.18	67035 40690 91710	12.696 7.706 17.369	C.T.I. 86 86
828	Maishagutta Bádapalle Tumengutta	h.s. " "	82 42 36 46 22 27 50 54 57	5° 28' 75.51 5° 15' 07.31 5° 18' 10.61	193888 141492 151726	36.721 26.798 28.736	840	Gaganpahār Mallanagutta Rámánujpuram Pagoda	h.s. " "	14 48 49 143 8 55 143 8 55	4° 37' 87.09 4° 74' 89.84 4° 54' 53.03	23917 56103 35100	4.530 10.626 6.648	" " "

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
841	Chebala Gaganpahār Rāmānūjapuram Pagoda	32 32 13 29 0 35	4 748984 4 704032 4 962418	56103 50586 91710	10 626 9 581 17 369	858	Bodampād Guttapalle Almirpet Mosque	15 46 51 37 24 13	4 501228 4 850219 4 970124	31712 70830 93352	6 006 13 415 17 680	Inch C.T.I. "
842	Gaganpahār Mallānagutta Narkod Building	6 27 29 21 19 39	3 927824 4 437506 4 545303	8469 27385 35100	1 604 5 186 6 648	854	Pōchamagat, IX Bodampād Revallē Hill Pagoda	45 27 32 80 17 46	4 907829 5 048635 4 964194	80878 111850 92086	15 318 21 184 17 441	"
843	Gaganpahār Mallānagutta Bībipet Mosque	5 15 53 5 43 49	4 227541 4 264228 4 545303	16887 18375 35100	3 198 3 480 6 648	855	Bodampād Bādapalle Revallē Hill Pagoda	29 21 4 32 29 38	4 868023 4 907829 5 122994	73794 80878 132737	13 976 15 318 25 140	"
844	Gaganpahār Mallānagutta Mahādevamgutta Hill Pagoda	56 33 7 50 55 55	4 487212 4 455929 4 545303	30705 28571 35100	5 815 5 411 6 648	856	Pōchamagat, IX Bodampād Chāvāipalle	16 0 31 43 34 21 120 25 8	4 469078 4 866903 4 964194	29449 73604 92086	5 578 13 940 17 441	"
845	Chebala Gaganpahār Mahādevamgutta Hill Pagoda	16 10 51 100 22 31	4 455929 5 003680 4 962418	28571 100851 91710	5 411 19 101 17 369	857	Kodangal, VIII Pōchamagat, IX Sayēdpalle Hill Mosque	26 8 32 60 7 7	4 777393 5 021396 5 082422	53382 105050 120899	10 110 19 896 22 898	C.T.I. "
846	Chebala Gaganpahār Narkod Tomb	14 6 23 35 9 6	4 460843 4 843174 4 962418	29501 69691 91710	5 587 13 199 17 369	858	Pōchamagat, IX Chāvāipalle Sayēdpalle Hill Mosque	66 40 38 43 3 11	4 856158 4 727393 4 866903	71806 53382 73604	13 600 10 110 13 940	86
847	Chebala Bodampād Narkod Tomb	70 48 45 53 16 37	4 914430 4 843174 4 857368	82116 69691 72006	15 552 13 199 13 637	859	Pōchamagat, IX Bādapalle Moghalgidda Pagoda No. 1	82 23 34 40 40 46	5 087539 4 905510 5 014614	122332 80447 103422	23 169 15 236 19 588	C.T.I. "
848	Bādapalle Dunavaram Imāmbāra Hill Mark	15 58 22 66 29 9	4 591595 5 114328 5 148204	39048 190115 140671	7 395 24 643 26 642	860	Pōchamagat, IX Bādapalle Moghalgidda Pagoda No. 2	84 40 51 39 36 35	5 095659 4 902051 5 014614	124640 79809 103422	23 606 15 115 19 588	"
849	Guttapalle Dunavaram Imāmbāra Hill Mark	84 13 12 61 27 22	4 591595 4 537526 4 344988	39048 34477 22130	7 395 6 530 4 191	861	Dunavaram Janalrājgutta Ādrilla Hill Pagoda	72 11 6 72 51 37	4 873765 4 875377 4 653206	74776 75054 44999	14 162 14 215 8 523	"
850	Guttapalle Dunavaram Koniapalle Hill Mark	29 52 51 79 0 44	4 066441 4 361004 4 344988	11653 22962 22130	2 207 4 349 4 191	862	Bādapalle Dunavaram Ādrilla Hill Pagoda	7 50 36 6 58 33	4 875377 4 844756 5 148204	75054 66797 140671	14 215 12 051 26 642	"
851	Dunavaram Janalrājgutta Koniapalle Hill Mark	128 5 26 9 58 2	4 724177 4 066441 4 653206	52088 11653 44999	10 036 2 207 8 523	863	Dunavaram Janalrājgutta Ipallepalli Hill Pagoda	25 45 4 129 42 37	4 672790 4 920925 4 653206	47075 83354 44999	8 916 15 787 8 523	"
852	Bodampād Guttapalle Chegurti Pagoda	38 49 14 16 55 31	4 850042 4 516934 4 970124	70801 32880 93352	13 409 6 227 17 680	864	Janalrājgutta Maishagutta Ipallepalli Hill Pagoda	45 12 58 58 4 48	4 595108 4 672790 4 732191	39365 47075 53975	7 455 8 916 10 222	"

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
865	Janalrajgutta Maishagutta Yeldhanda Hill Pillar	h.s. " "	4.404304 4.868604 4.732191	25369 73893 53975	4.805 13.995 10.222	877	Badapalle Nellikuduru Urakonda Hill Mark	h.s. " "	5.079820 5.009205 5.208873	120177 102142 161761	22.761 19.345 30.637	Inch C.T.I. "
866	Janalrajgutta Maishagutta Yeldhanda Fort	h.s. " "	4.319658 4.835757 4.732191	20877 68511 53975	3.954 12.975 10.222	878	Badapalle Yerragutta No. 1 Gurumurthia	h.s. " "	5.046054 5.176004 5.195519	111187 149970 150862	21.058 28.403 29.709	" "
867	Badapalle Tumengutta Nialamari	h.s. " "	5.192894 4.968404 5.287551	153895 92983 193888	29.526 17.610 36.721	879	Yerragutta No. 1 Gurumurthia Yellatur Fort	h.s. " "	4.607809 4.919526 5.046054	40533 83086 111187	7.677 15.736 21.058	" "
868	Yerragutta No. 1 Palchagutta Nialamari	h.s. " "	5.196869 4.806038 5.114600	157351 63979 130197	29.801 12.117 24.658	880	Yerragutta No. 1 Nialamari Nagol Hill Turret	h.s. " "	4.825604 4.924442 4.806038	66927 84031 63979	12.676 15.915 12.117	" "
869	Badapalle Nialamari Palmur Hill Idgah	h.s. " "	4.991347 4.722110 4.968404	98027 52736 92983	18.566 9.988 17.610	881	Tumengutta Yerragutta No. 1 Nagol Hill Turret	h.s. " "	4.924442 4.950133 5.188118	84031 89152 154212	15.915 16.885 29.207	" "
870	Maishagutta Tumengutta Nellikuduru	h.s. " "	4.664537 5.176511 5.150731	46189 150145 141492	8.748 28.437 26.798	882	Gurumurthia Nialamari Wanparti Fort	h.s. " "	4.701790 4.933759 4.999993	50326 85854 99998	9.531 16.260 18.939	" "
871	Badapalle Tumengutta Nellikuduru	h.s. " "	4.664537 5.208873 5.287551	46189 161761 193888	8.748 30.637 36.721	883	Yerragutta No. 1 Nialamari Wanparti Fort	h.s. " "	4.701790 4.423107 4.806038	50326 26492 63979	9.531 5.017 12.117	" "
872	Tumengutta Nellikuduru Ramanagiri Hill Pagoda	h.s. " "	4.599208 4.657287 4.664537	39738 45424 46189	7.526 8.603 8.748	884	Yerragutta No. 1 Yellakonda Etamkonda Hill Pagoda	h.s. " "	4.921491 4.790037 4.937437	83462 62523 86584	15.807 11.841 16.398	" "
873	Tumengutta Palchagutta Rakonda Mandapam	h.s. " "	4.852795 4.413890 4.792993	71252 25935 62086	13.495 4.912 11.759	885	Yerragutta No. 1 Nialamari Etamkonda Hill Pagoda	h.s. " "	5.047718 4.790037 4.806038	111614 62523 63979	21.139 11.841 12.117	" "
874	Tumengutta Nellikuduru Rakonda Mandapam	h.s. " "	4.447410 4.413890 4.664537	28016 25935 46189	5.306 4.912 8.748	886	Darur, XVI Yellakonda Pangal Building	h.s. " "	4.791552 5.219218 5.206293	61880 165660 160803	11.720 31.375 30.455	86 " "
875	Tumengutta Palchagutta Kondanagula Hill Pagoda	h.s. " "	4.668179 4.502267 4.792993	46578 31788 62086	8.822 6.021 11.759	887	Yellakonda Shakapur Pangal Building	h.s. " "	4.859336 4.791552 4.898247	72333 61880 79113	13.699 11.720 14.983	" "
876	Tumengutta Nellikuduru Kondanagula Hill Pagoda	h.s. " "	4.819299 4.502267 4.664537	65963 31788 46189	12.493 6.021 8.748	888	Yellakonda Pangal Building Aivarpalli	h.s. " "	4.767392 4.420637 4.791552	58532 26893 61880	11.086 5.093 11.720	" "



No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
889	Yéllakönda Etankönda Hill Pagoda Aivárpalli	108 46 23 55 46 32	4° 98' 03.8 4° 42' 03.7 4° 92' 14.91	95571 20893 83462	18.101 5.093 15.807	Inch 86	901	Yérragutta No. 1 Yéllakönda Srirangapur Hill Pagoda	23 47 2 27 23 33	4° 65' 14.70 4° 70' 8.692 4° 93' 7.437	44820 51132 86584	8.489 9.684 16.398	Inch C.T.I.
890	Yéllakönda Shakapur Págtúr Idgah	96 20 19 16 40 3	4° 93' 15.78 4° 39' 18.46 4° 89' 8.247	85424 24652 79113	16.179 4.669 14.983	"	902	Pédda Kurwa Yéllakönda Véllala Pagoda	13 11 1 8 15 25	4° 92' 51.09 4° 72' 42.29 5° 12' 99.66	84161 52994 134886	15.940 10.037 25.547	"
891	Yéllakönda Aivárpalli Págtúr Idgah	86 23 14 44 9 17	4° 54' 7.999 4° 39' 18.46 4° 42' 9.637	33318 24652 26893	6.689 4.669 5.093	"	903	Yéllakönda Jagannáth Chanungundia	30 5 1 108 43 22 41 11 37	4° 95' 01.63 5° 22' 6.484 5° 06' 8.722	89158 168455 117145	16.886 31.904 22.186	86
892	Yéllakönda Shakapur Marranungala Fort	87 50 45 18 6 19	4° 91' 4.992 4° 40' 7.730 4° 89' 8.247	82223 25570 79113	15.573 4.843 14.983	"	904	Kére Bélagal, XXI Chanungundia Devanakönda	73 28 9 82 8 47 24 23 4	5° 03' 14.62 5° 04' 5.702 4° 66' 55.97	107513 111097 40302	20.362 21.041 8.769	"
893	Yéllakönda Aivárpalli Marranungala Fort	77 53 40 49 15 57	4° 51' 8.440 4° 40' 7.730 4° 42' 9.637	32994 25570 26893	6.249 4.843 5.093	"	905	Chanungundia Devanakönda Inagandia Fort	102 12 38 23 22 39	5° 11' 13.15 4° 71' 9.811 5° 03' 14.62	129216 52458 107513	24.473 9.935 20.362	"
894	Yéllakönda Aivárpalli Págtúr Fort	93 34 49 41 13 0	4° 57' 7.770 4° 39' 7.443 4° 42' 9.637	37824 24971 26893	7.164 4.729 5.093	"	906	Gudikalbétta Chanungundia Inagandia Fort	27 39 32 58 16 26	4° 71' 9.811 4° 98' 28.11 5° 05' 20.05	52458 96119 112721	9.935 18.204 21.349	"
895	Yérragutta No. 1 Yéllakönda Pangadigutta Hill Mark	70 20 40 60 50 11	5° 03' 4.780 5° 00' 1.982 4° 93' 7.437	108338 100457 80584	20.519 19.026 16.398	C.T.I.	907	Gudikalbétta Chanungundia Tsamaigudúr	37 58 53 39 48 46 102 12 21	4° 85' 10.96 4° 86' 8.306 5° 05' 20.05	70974 73842 112721	13.442 13.985 21.349	"
896	Yérragutta No. 1 Palchagutta Pangadigutta Hill Mark	16 24 8 39 58 57	4° 64' 4.904 5° 00' 1.982 5° 11' 4.600	44147 100457 130197	8.361 19.026 24.658	"	908	Chanungundia Inagandia Fort Tsamaigudúr	18 27 40 38 3 39	4° 43' 0.474 4° 85' 10.96 4° 71' 9.811	26945 70974 52458	5.103 13.442 9.935	"
897	Yéllakönda Shakapur Nizamkönda Fort	15 45 59 37 49 20	4° 42' 6.687 4° 78' 0.184 4° 89' 8.247	26711 60281 79113	5.059 11.417 14.983	86	909	Jagannáth Chanungundia Kurnool Fort	112 49 0 13 6 31	5° 00' 6.407 4° 39' 7.433 4° 95' 01.63	101486 24971 89158	19.221 4.729 16.886	"
898	Yérragutta No. 1 Yéllakönda Nizamkönda Fort	40 16 55 71 29 30	4° 78' 0.184 4° 94' 6.517 4° 93' 7.437	60281 88413 86584	11.417 16.745 16.398	C.T.I.	910	Yéllakönda Chanungundia Kurnool Fort	31 11 27 28 5 6	5° 00' 6.407 4° 96' 4.988 5° 22' 6.484	101486 92255 168455	19.221 17.472 31.904	"
899	Yérragutta No. 1 Yéllakönda Sasanúr Hill Pagoda	33 2 2 85 46 10	4° 73' 12.99 4° 99' 3.610 4° 93' 7.437	53864 98539 86584	10.202 18.663 16.398	"	911	Kére Bélagal, XXI Jagannáth Dhonekönda	60 59 6 73 44 8 45 16 46	5° 18' 4.609 5° 22' 5.115 5° 09' 44.47	152971 167925 124293	28.972 31.804 23.540	"
900	Yéllakönda Shakapur Sasanúr Hill Pagoda	30 2 39 39 41 51	4° 62' 5.528 4° 73' 12.99 4° 89' 8.247	42221 53864 79113	7.996 10.202 14.983	86	912	Jagannáth Dhonekönda Rámallakot	23 53 25 19 58 17 136 8 18	4° 95' 1.367 4° 87' 7.382 5° 18' 4.609	89406 75402 152971	16.933 14.281 28.972	"

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
913	Jagannáth Chanungundla Rámallakot	81 9 21 43 50 50 54 59 49	5°03'16.20 4°8'77.82 4°9'50.63	107552 75402 89158	20.370 14.281 16.886	925	Darúr, XVI Gurumurúta Anantapur Hill Pagoda	60 24 45 43 36 11 5°0'12.680	4°9'51.27 4°8'64.39 5°0'12.680	92284 73188 102963	17.478 13.861 19.501	Inch 36 "
914	Dhonekónda Rámallakot Lanjábánda Hill Fort	6 42 34 16 34 34	4°42'19.96 4°8'09.709 4°9'51.307	26424 64522 80406	5.005 12.220 16.933	926	Darúr, XVI Yéllakónda Anantapur Hill Pagoda	10 26 51 8 29 51 5°20'6.293	4°9'33.344 4°8'64.439 5°20'6.293	89814 73188 100803	17.010 13.861 30.455	"
915	Chanungundla Rámallakot Gorantúla Pagoda	26 5 2 13 49 42	4°8'67.490 4°6'02.769 5°0'31.620	73704 40065 107552	13.959 7.588 20.370	927	Darúr, XVI Yéllakónda Tanagal	54 41 11 36 23 24 5°20'6.293	5°11'8.060 4°9'96.28 5°20'6.293	131238 95418 100803	24.856 18.072 30.455	"
916	Yéllakónda Jagannáth Sultánpur Hill Pagoda	27 43 59 38 33 29	4°77'47.98 4°9'01.718 5°0'68.722	59539 79748 117145	11.276 15.104 22.186	928	Darúr, XVI Induvási Tanagal	53 56 0 69 28 56 56 35 4	4°9'15.681 4°9'96.28 4°9'29.620	82353 95418 85039	15.597 18.072 16.106	18
917	Pédda Kurwa Yéllakónda Sultánpur Hill Pagoda	35 47 46 62 35 24	4°9'01.718 5°0'82.918 5°12'99.66	79748 121037 134886	15.104 22.924 25.547	929	Darúr, XVI Mainábád, XIX Tanagal	89 19 28 40 27 7 5°0'33.181	5°16'7.480 4°9'96.28 5°0'33.181	147055 95418 113027	27.851 18.072 21.407	36
918	Jagannáth Sultánpur Hill Pagoda Gúndiparía	12 3 37 154 16 35	4°45'73.01 4°5'105.88 4°77'47.98	28662 32403 59539	5.428 6.137 11.276	930	Yéllakónda Tanagal Bölligutta Tippa	39 37 50 29 25 10 110 57 0	4°9'52.471 4°8'39.021 5°11'8.060	89634 69027 131238	16.976 13.073 24.856	18
919	Yéllakónda Sultánpur Hill Pagoda Gúndiparía	18 25 7 61 32 9	4°45'73.01 4°9'50.963 4°9'01.718	28662 89323 79748	5.428 16.917 15.104	931	Darúr, XVI Tanagal Bölligutta Tippa	59 30 15 63 22 40 4°9'52.471	4°9'52.471 4°9'63.639 4°9'96.28	89634 91969 95418	16.976 17.418 18.072	"
920	Yéllakónda Jagannáth Kudellisangam Pagoda	62 37 4 36 5 40	5°0'22.155 4°8'43.905 5°0'68.722	105234 69818 117145	19.931 13.223 22.186	932	Tanagal Bölligutta Tippa Devaragat Hill Rock	62 17 30 34 41 0 4°9'52.471	4°9'02.801 4°7'10.840 4°9'52.471	79947 51385 89634	15.141 9.732 16.976	"
921	Yéllakónda Jagannáth Moravakónda Fort	76 32 12 31 29 53	5°0'78.499 4°8'08.662 5°0'68.722	119812 64367 117145	22.692 12.191 22.186	933	Yéllakónda Tanagal Yadulagutta	40 35 19 44 53 40 94 31 1	4°9'32.740 4°9'68.094 5°11'8.060	85653 92917 131238	16.222 17.598 24.856	18
922	Yéllakónda Jagannáth Sangamesvaram Hill Pagoda	86 27 2 38 8 36	5°15'23.84 4°9'43.947 5°0'68.722	142031 87892 117145	26.900 16.646 22.186	934	Darúr, XVI Tanagal Yadulagutta	60 23 17 44 1 45 75 34 58	4°9'32.740 4°8'35.525 4°9'96.28	85653 68474 95418	16.222 12.969 18.072	18
923	Yéllakónda Jagannáth Vadapalli Hill Platform	49 14 27 58 22 47	4°9'68.952 5°0'19.798 5°0'68.722	93100 104664 117145	17.633 19.823 22.186	935	Yéllakónda Tanagal Anantapur	40 20 6 42 40 51 96 59 3	4°9'32.740 4°9'52.469 5°11'8.060	85580 89633 131238	16.208 16.976 24.856	18
924	Kére Bálágál, XXI Jagannáth Vadapalli Hill Platform	47 50 4 33 52 23	4°9'68.952 4°8'45.143 5°0'94.447	93100 70007 124293	17.633 13.259 23.540	936	Darúr, XVI Tanagal Anantapur	59 37 26 46 14 34 74 8 0	4°9'32.740 4°8'55.202 4°9'96.28	85580 71648 95418	16.208 13.570 18.072	"

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
937	Tanagal	h.s.	4 799439	63014	11.935	† 949	Tátiparti	38 28 44	4 894520	78437	14.856	Inch
	Anantapur	"	4 803137	63553	12.037	950	Malkapur	70 27 35	5 074810	118798	22.500	C.T.I.
	Rávalchêru	"	4 932370	85580	16.208		Uppalagutta	71 3 41	5 076402	119234	22.582	"
938	Tanagal	h.s.	4 782570	60614	11.480	951	Kishoragutta	43 30 4	4 893117	78184	14.808	"
	Yadulagutta	"	4 803137	63553	12.037		Malkapur	44 38 37	4 902063	79811	15.116	"
	Rávalchêru	"	4 932740	85653	16.222		Hayátnagar Mosque	5 055068	113519	21.500	"	
939	Tanagal	h.s.	4 845662	70091	13.275	952	Gaganpahár	17 32 5	4 893117	78184	14.808	"
	Rávalchêru	"	4 915681	82353	15.597		Malkapur	15 41 1	4 846027	70150	13.286	"
	Induvási	"	4 803137	63553	12.037		Hayátnagar Mosque	5 152788	142163	26.925	"	
940	Anantapur	h.s.	4 181659	15194	2.878	953	Guttapalle	50 49 11	4 763334	57987	10.982	"
	Rávalchêru	"	4 832399	67983	12.876		Tátiparti	17 12 27	4 344988	22130	4.191	"
	Rávalampád Hill Rock	"	4 799439	63014	11.935		Dunavaram	111 58 22	4 841191	69373	13.139	"
941	Rávalchêru	h.s.	4 865292	73332	13.889	954	Tátiparti	45 7 31	4 634714	43123	8.167	"
	Induvási	"	4 181048	15172	2.874		Dunavaram	62 31 39	4 732319	53991	10.225	"
	Rávalampád Hill Rock	"	4 845662	70091	13.275		Gúdr Chénarásyangutta Hill Pagoda	49 24 3	4 732319	53991	10.225	"
942	Rávalchêru	h.s.	4 398835	25052	4.745	955	Guttapalle	49 24 3	4 732319	53991	10.225	"
	Induvási	"	4 757652	57234	10.840		Tátiparti	27 55 4	4 522352	33293	6.306	"
	Yérragutta No. 2	"	4 845662	70091	13.275		Gúdr Chénarásyangutta Hill Pagoda	62 48 19	4 731443	53882	10.205	"
943	Induvási	h.s.	4 449909	28178	5.337	956	Janalrájgutta	54 11 48	4 691354	49131	9.305	"
	Yérragutta No. 2	"	4 074625	11875	2.249		Maishagutta	62 59 53	4 732191	53975	10.222	"
	Bandikunta Hill Peak	"	4 398835	25052	4.745		Surikõnda	76 40 15	5 113634	129907	24.604	"
944	Darúr, XVI	h.s.	4 708712	51134	9.685	957	Surikõnda	79 31 33	5 118196	131279	24.863	"
	Kêre Bêlagal, XXI	"	5 135923	136120	25.780		Maishagutta	23 48 12	4 731443	53882	10.205	"
	Rájavali Pagoda	"	5 178161	150717	28.545		Devarakõnda No. 2	46 12 16	5 119076	131545	24.914	"
945	Darúr, XVI	h.s.	5 090809	123256	23.344	958	Maishagutta	88 19 49	5 260466	182165	34.501	"
	Yéllakõnda	"	5 133923	136120	25.780		Devarakõnda No. 2	45 27 55	5 113634	129907	24.604	"
	Rájavali Pagoda	"	5 206293	160803	30.455		Amrabád	34 25 18	4 551724	35622	6.747	"
946	Gaganpahár	h.s.	5 055068	113519	21.500	959	Maishagutta	24 20 29	4 414541	25974	4.919	"
	Kishoragutta	"	5 152788	142163	26.925		Surikõnda	34 25 57	4 945381	88182	16.701	"
	Malkapur	"	5 116734	130838	24.780		Devarakõnda No. 2	22 53 45	4 783011	60675	11.492	"
947	Gaganpahár	h.s.	5 168052	147249	27.888	960	Jillarkhanpalle Mosque	77 36 33	4 783011	60675	11.492	"
	Guttapalle	"	5 152788	142163	26.925		Surikõnda	42 14 18	4 620756	41760	7.909	"
	Malkapur	"	4 885916	76898	14.564		Jillarkhanpalle Pagoda	77 36 33	4 783011	60675	11.492	"
948	Guttapalle	h.s.	5 076402	119234	22.582	960	Maishagutta	77 36 33	4 783011	60675	11.492	"
	Malkapur	"	4 841191	69373	13.139		Surikõnda	42 14 18	4 620756	41760	7.909	"
	Tátiparti	"	5 168052	147249	27.888		Jillarkhanpalle Pagoda	77 36 33	4 783011	60675	11.492	"

\* These triangles have been left unadjusted on account of a large discrepancy in the common side.  
† The continuation of the triangulation will be found in the Synoptical Volume of the Madras Meridional and Coast Series.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used					
			Log. feet	Feet	Miles				Log. feet	Feet	Miles						
961	Maishagutta Surikōnda Mādanapur Hill Pagoda	h.s. " "	27 9 51 110 42 10	4 564295 4 875824 4 731443	36669 75132 53882	6.945 14.230 10.205	Inch c.t.l.	No. 1	57 19 20 34 52 10 87 48 30	5 178705 5 010712 5 233220	150906 102497 179151	28.581 19.412 33.930	Inch 86				
962	Tātiparti Surikōnda Kōppakōnda Hill Mark	h.s. " "	117 7 31 43 16 44	4 865391 4 752035 4 441537	73348 56498 27640	13.892 10.700 5.235	"	"	68 37 46 55 47 26 55 34 48	5 231358 5 179795 5 178705	170356 151285 150906	32.264 28.652 28.581	"				
963	Guttapalle Tātiparti Kōppakōnda Hill Mark	h.s. " "	43 21 29 79 10 58	4 752035 4 907573 4 841191	56498 80830 69373	10.700 15.309 13.139	"	"	36 9 23 25 25 55 118 24 42	5 057943 4 919998 5 231358	114273 83176 170356	21.643 15.753 32.264	"				
964	Tātiparti Surikōnda Zapalle Hill Mark	h.s. " "	87 17 37 70 9 18	4 857273 4 831169 4 441537	71990 67791 27640	13.634 12.839 5.235	"	"	RAICHUR MINOR SERIES.				"				
965	Guttapalle Tātiparti Zapalle Hill Mark	h.s. " "	35 1 17 109 0 52	4 831169 5 047979 4 841191	67701 111681 69373	12.839 21.152 13.139	"	"					"	"	"	"	"
966	Tātiparti Surikōnda Arūtā Hill Mark	h.s. " "	74 45 2 87 33 57	4 943438 4 958613 4 441537	87789 90910 27640	16.627 17.218 5.235	"	"					39 2 38 41 2 35 99 54 47	4 992968 5 011004 5 187153	98394 102566 153870	18.635 19.425 29.142	"
967	Devarakōnda No. 2 Amrabad Munnarūr	h.s. " "	13 8 41 93 15 32 73 35 47	4 493935 5 136420 5 119076	31184 136905 131545	5.906 25.929 24.914	"	"					32 3 29 88 21 56 59 34 35	4 782220 5 057131 4 992968	60565 114059 98394	11.471 21.602 18.635	"
968	Maishagutta Tumengutta Munnarūr	h.s. " "	22 35 51 98 3 52 59 20 17	4 800756 5 211820 5 150731	63206 162862 141492	11.971 30.845 26.798	"	"					57 24 16 55 19 51 67 15 53	5 067588 5 057131 5 106893	116839 114059 127907	22.129 21.602 24.225	"
969	Tumengutta Munnarūr Ganganpalle Hill Mark	h.s. " "	44 49 49 94 48 5	4 837578 4 987856 4 800756	68798 97243 63206	13.030 18.417 11.971	"	"					62 21 15 60 46 44 56 52 1	5 113057 5 106591 5 088640	129735 127818 122642	24.571 24.208 23.228	18
970	Tumengutta Munnarūr Ulparai Fort	h.s. " "	102 37 37 26 29 35	4 900359 4 560414 4 800756	79498 36342 63206	15.057 6.883 11.971	"	"					43 28 35 82 33 13 53 58 12	4 997419 5 156118 5 067588	99407 143258 116839	18.827 27.132 22.129	"
971	Surikōnda Devarakōnda No. 2 Sirsangandla Hill Pagoda	h.s. " "	30 14 58 30 31 7	4 879584 4 883064 5 118196	75785 76395 131279	14.353 14.469 24.863	"	"					61 25 57 64 45 35 53 48 28	5 143316 5 156118 5 106591	139096 143258 127818	26.344 27.132 24.208	"
972	Devarakōnda No. 2 Amrabad Sirsangandla Hill Pagoda	h.s. " "	81 36 54 31 53 28	5 152031 4 879584 5 119076	141916 75785 131545	26.878 14.353 24.914	"	"					174 49 25 2 24 49 2 45 46	5 269677 4 938780 4 997419	186070 86852 99407	35.241 16.449 18.827	"

\* Deduced base. † The continuation of the triangulation will be found in the Synoptical Volume of the Madras Meridional and Coast Series.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	
		°	'	"	Log. feet	Feet	Miles		
988	Kandkūr	h.s.	49	18	34	5°15'23.63	142024	26.898	18
	Maligiri	"	34	6	7	5°02'12.60	105017	19.890	"
	Sunkanūr	"	96	35	19	5°26'9.67	186070	35.241	"
984	Maligiri	h.s.	76	28	27	5°17'9.63	151308	28.657	"
	Sunkanūr	"	37	39	27	4°97'8.77	95077	18.007	"
	Jualagi	"	65	52	6	5°15'23.63	142024	26.898	"
985	Sunkanūr	h.s.	66	42	14	5°20'51.97	160397	30.378	"
	Jualagi	"	53	15	0	5°14'59.01	139927	26.501	"
	Kusanūr	"	60	2	46	5°17'9.63	151308	28.657	"
986	Kusanūr	h.s.	68	59	44	5°25'6.31	180564	34.198	"
	Jualagi	"	54	58	44	5°19'9.75	158396	29.999	"
	Badadol	"	56	1	32	5°20'51.97	160397	30.378	"
987	Jualagi	h.s.	60	27	34	5°19'8.52	157951	29.915	"
	Badadol	"	35	31	7	5°02'31.51	105475	19.976	"
	Gutargi	"	84	1	19	5°25'6.31	180564	34.198	"
988	Gutargi	h.s.	109	12	56	5°24'6.47	176217	33.374	"
	Badadol	"	12	57	41	4°62'17.61	41856	7.927	"
	Sindgi	"	57	49	23	5°19'8.52	157951	29.915	"
* 989	Sindgi	h.s.	60	0	55	5°19'9.66	158149	29.952	"
	Badadol	"	45	9	49	5°11'21.90	129476	24.522	"
	Sálotgi	"	74	49	16	5°24'6.47	176217	33.374	"
990	Impagat, XIII	h.s.	17	5	17	4°50'8.45	32244	6.107	86
	Kankurthi	"	99	11	22	5°03'47.30	108325	20.516	"
	Gurmatkál Idgah	"	4	99	29	4°99'29.68	98394	18.635	"
991	Impagat, XIII	h.s.	14	58	12	4°47'01.44	29522	5.591	"
	Kandkūr	"	71	24	44	5°03'47.30	108325	20.516	"
	Gurmatkál Idgah	"	4	99	29	4°99'29.68	98394	18.635	"
992	Impagat, XIII	h.s.	22	52	23	4°60'30.34	40090	7.593	"
	Kankurthi	"	84	34	38	5°01'14.82	102679	19.447	"
	Bodabanda Hill Pagoda	"	4	99	29	4°99'29.68	98394	18.635	"
993	Impagat, XIII	h.s.	66	35	22	5°10'8.306	128323	24.304	"
	Kóttapalle, XV	"	47	14	50	5°01'14.82	102679	19.447	"
	Bodabanda Hill Pagoda	"	4	99	29	4°99'29.68	98394	18.635	"
994	Impagat, XIII	h.s.	71	28	13	5°16'8.583	147429	27.922	"
	Kóttapalle, XV	"	53	11	0	5°09'50.95	124479	23.575	"
	Sapatlapalle Hill Pagoda	"	5	10	68	5°10'6.893	127907	24.225	"

\* The continuation of the triangulation will be found in the Synoptical Volume of the Bombay Longitudinal Series.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle used	Theodolite used	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1007	Maliabad, XIX Háwi Kallur	h.s. " "	47 55 7 23 2 43	96512 50904 122925	18.279 9.641 23.281	18 " "	Katómóráj, XXIV Kére Bélagal, XXI Jagannáth	45 21 55 45 50 4 88 48 1	5.095403 5.098886 5.243072	124567 125570 175014	23.592 23.782 33.147	10 " "	
1008	Maliabad, XIX Karkal Kallur	h.s. " "	34 37 21 18 13 24	92484 50904 129735	17.516 9.641 24.571	" "	Kére Bélagal, XXI Jagannáth	30 48 50 73 23 33	4.818375 5.090387	65823 123137	12.466 23.321	" "	
1009	Maliabad, XIX Háwi Kálmalai Hill Pagoda	h.s.	70 35 31 27 33 44	117124 57460 122925	22.183 10.883 23.281	" "	Undaveli	75 47 37	5.095403	124567	23.592	" "	
1010	Maliabad, XIX Mallapur Kálmalai Hill Pagoda	h.s.	45 11 27 54 47 36	49891 57460 69258	9.449 10.883 13.117	" "	Jagannáth Undaveli Pudúr	69 56 24 41 5 48 68 57 48	4.821150 4.666115 4.818375	66245 46357 65823	12.546 8.780 12.466	" "	
1011	Maliabad, XIX Háwi Mánvi Hill	h.s.	22 30 9 77 36 8	47787 121950 122925	9.051 23.097 23.281	" "	Jagannáth Pudúr Kurnool House No. 1 (helio.)	58 1 18 34 20 40	4.595008 4.417892 4.666115	39356 26175 46357	7.454 4.937 8.780	" "	
1012	Maliabad, XIX Mallapur Mánvi Hill	h.s.	93 16 49 57 56 47	143649 121950 69258	27.206 23.097 13.117	" "	Undaveli Pudúr Kurnool House No. 1 (helio.)	33 26 25 34 37 8	4.595008 4.608240 4.821150	39356 40573 66245	7.454 7.684 12.546	" "	
1013	Maliabad, XIX Háwi Gorakal Hill Peak	h.s.	10 42 32 16 52 19	49334 77956 122925	9.344 14.594 23.281	" "	Jagannáth Pudúr Kurnool House No. 2 (helio.)	58 30 44 29 8 28	4.597301 4.353974 4.666115	39564 22593 46357	7.493 4.279 8.780	" "	
1014	Maliabad, XIX Mallapur Gorakal Hill Peak	h.s.	105 4 26 39 48 6	116233 77956 69258	22.014 14.594 13.117	" "	Jagannáth Pudúr Kurnool Flag-staff	49 0 13 33 16 18	4.547878 4.409337 4.666115	35308 25665 46357	6.687 4.861 8.780	" "	
1015	Maliabad, XIX Mallapur Gobúr Hill Tower	h.s.	25 59 6 109 55 16	43609 93577 69258	8.259 17.723 13.117	" "	Undaveli Pudúr Kurnool Flag-staff	28 44 14 35 41 30	4.547878 4.631903 4.821150	35308 42845 66245	6.687 8.115 12.546	" "	
1016	Maliabad, XIX Háwi Gobúr Hill Tower	h.s.	89 47 52 37 21 16	154227 93577 122925	29.210 17.723 23.281	" "	Jagannáth Pudúr Kurnool Dargah	49 21 1 29 25 18	4.554581 4.363795 4.666115	35858 23216 40357	6.791 4.397 8.780	" "	
			89 47 52 37 21 16	154227 93577 122925	29.210 17.723 23.281	" "	Undaveli Pudúr Kurnool Dargah	30 36 19 39 32 30	4.554581 4.651054 4.821150	35858 44839 66245	6.791 8.492 12.546	" "	

KURNOOL  
MINOR SERIES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1027	Jagannáth No. 2 h.s.	52 35 18	4' 58 12 66	38130	7.222	1037	Guddadur No. 1	84 41 1	5' 16 09 45	144859	27.435	Inch 86
	Pudúr	22 21 18	4' 26 14 63	18258	3.458		Sugidaribétta	50 19 7	5' 04 90 86	111986	21.206	
	Kurnool Bridge		4' 66 61 15	46357	8.780		Gadékal	44 59 52	5' 01 22 85	102869	19.483	
1028	Undaveli s.	35 41 22	4' 60 67 78	40437	7.659	1038	Sugidaribétta	41 19 19	5' 00 93 80	102183	19.353	"
	Pudúr h.s.	37 11 50	4' 62 22 57	41904	7.936		Gadékal	28 4 35	4' 86 23 42	72835	13.795	
1029	Kurnool Building (helio.)	4' 82 11 50	66245	12.546	1039	Bandúr	110 36 6	5' 16 09 45	144859	27.435	c.t.l.	
	Jagannáth No. 2 h.s.	60 38 12	4' 60 67 78	40437		7.659	Gadékal	74 55 41	5' 11 48 06	130259		24.670
1030	Pudúr	31 45 58	4' 38 78 56	24426	4.626	1040	Bandúr	55 49 46	5' 04 77 09	111611	21.139	c.t.l.
	Kurnool Building (helio.)	4' 66 61 15	46357	8.780	Udarpidurga, XXVII		49 14 33	5' 00 93 80	102183	19.353		
1031	Jagannáth No. 2 h.s.	60 41 23	4' 60 66 55	40426	7.656	1041	Hólalagundi	71 51 31	4' 89 05 19	77718	14.719	"
	Pudúr	28 35 51	4' 34 61 69	22191	4.203		Guddadur No. 1	49 31 5	4' 79 38 26	62205	11.781	
1032	Kurnool Court (helio.)	4' 66 61 15	46357	8.780	1042	Arakérébétta	58 37 24	4' 84 40 00	69823	13.224	"	
						Ádoni	h.s.	4' 79 38 26	62205	11.781		
1033					1043	Hólalagundi	64 24 31	4' 96 28 18	91795	17.385	"	
				1044		Arakérébétta	77 55 1	4' 99 79 31	99525	18.849		
						Hólalagundi	24 27 24	4' 63 71 82	43369	8.214		
1034	Kámannagútta	123 5 54	5' 14 94 01	141059	26.716	1045	Néraniki Hill Turret	47 21 39	4' 88 68 38	77002	14.595	"
	Hólalagundi	36 13 58	4' 99 79 31	99525	18.849		Hólalagundi	17 2 52	4' 38 61 12	24328	4.608	
1035	Hólalagundi	20 40 8	4' 77 40 28	59433	11.256	1046	Arakérébétta	31 30 30	4' 63 71 82	43369	8.214	"
	Kanchéngod	64 20 4	5' 11 03 44	128927	24.418		Néraniki Hill Turret	h.s.	4' 79 38 26	62205	11.781	
1036	Hólalagundi	35 12 43	4' 91 63 33	82477	15.621	1047	Hólalagundi	21 16 34	4' 44 30 39	27736	5.253	"
	Kurchod	80 27 13	5' 14 94 01	141059	26.716		Guddadur No. 1	44 42 57	4' 73 06 17	53780	10.186	
1037	Kurchod	35 44 8	4' 88 48 20	76704	14.537	1048	Guliyam Fort	50 34 57	4' 70 01 24	50133	9.495	"
	Kanchéngod	65 14 54	5' 07 65 23	119268	22.589		Hólalagundi	55 58 7	4' 73 06 17	53780	10.186	
1038	Hólalagundi	79 0 58	5' 11 03 44	128927	24.418	1049	Guliyam Fort	44 42 57	4' 84 40 00	69823	13.224	"
	Kurchod	67 53 27	4' 97 33 25	94043	17.811		Kámannagútta	77 55 45	5' 15 20 29	141015	26.878	
1039	Hólalagundi	63 1 34	4' 95 64 76	90464	17.133	1050	Hólalagundi	25 39 49	4' 79 83 13	62851	11.904	"
	Kurchod	49 4 59	4' 88 48 20	76704	14.537		Hálwi	76 24 26	5' 14 94 01	141059	26.716	
1040	Hólalagundi	39 34 39	4' 77 79 75	59976	11.359	1051	Hólalagundi	9 32 54	4' 41 48 62	25993	4.923	"
	Kurchod	47 52 45	4' 84 40 00	69823	13.224		Chyági	115 5 21	5' 15 20 29	141915	26.878	
1041	Guddadur No. 1	92 32 36	4' 97 33 25	94043	17.811	1052	Hólalagundi	55 21 45	5' 11 03 44	128927	24.418	"
	Kurchod	77 8 40	5' 01 22 85	102869	19.483		Hólalagundi	h.s.	4' 41 48 62	25993	4.923	
1042	Guddadur No. 1	68 12 57	4' 99 11 33	97979	18.557	1053	Chyági	25 59 57	4' 94 87 67	88872	16.832	"
	Sugidaribétta	34 38 23	4' 77 79 75	59976	11.359		Hálwi	18 25 37	4' 80 67 55	64085	12.137	
1043					1054	Santakudlúr Fort	h.s.	5' 15 20 29	141915	26.878	"	

BELLARY  
MINOR SERIES NO. I.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1049	Kámannagutta Hálwi Bélagal	80 49 37 21 11 36 77 58 47	4 802352 4 366069 4 798313	63438 23331 62851	12 015 4 400 11 904	1061	Ádoni Kámannagutta Chinna Tumbalam Turret	10 46 30 54 9 42	4 088708 4 725222 4 774028	12266 53189 59433	2 323 10 074 11 256	Inch 86 "
1050	Kére Bélagal, XXI Kámannagutta Bélagal	9 23 39 73 49 42 96 46 39	4 366069 5 135748 5 150236	23331 136693 141330	4 400 25 889 26 767	1062	Hólalagundi Hálwi Bádakõnda	66 49 29 47 50 4 65 20 27	5 157018 5 063498 5 152029	143555 115744 141915	27 188 21 921 26 878	18 "
1051	Kámannagutta Hálwi Báchábanda Tower	31 24 15 79 59 5	4 546202 4 822636 4 798313	35172 66472 62851	6 661 12 589 11 904	1063	Kakarkal Hálwi Husainpur	57 10 41 40 47 15 82 2 4	5 150707 5 041325 5 222031	141484 109983 166737	26 796 20 830 31 579	" "
1052	Hálwi Bélagal Báchábanda Tower	58 47 29 33 38 15	4 734854 4 546202 4 802352	54307 35172 63438	10 285 6 661 12 015	1064	Hálwi Rádakõnda Husainpur	71 15 22 53 47 28	5 220238 5 150707 5 157018	166050 141484 143555	31 449 26 796 27 188	" "
1053	Hálwi Bélagal Kandukúr Turret	51 28 12 24 53 30	4 708137 4 438956 4 802352	51067 27476 63438	9 672 5 204 12 015	1065	Kakarkal Husainpur Rámapa Hill Tower	23 47 46 17 30 19	4 827593 4 700037 5 041325	67235 50123 109983	12 734 9 493 20 830	" "
1054	Kámannagutta Hálwi Kandukúr Turret	25 37 55 72 39 48	4 438956 4 782689 4 798313	27476 60630 62851	5 204 11 483 11 904	1066	Hálwi Husainpur Rámapa Hill Tower	28 20 4 64 31 45	4 827593 5 106843 5 150707	67235 127892 141484	12 734 24 222 26 796	" "
1055	Kámannagutta Hálwi Sátanúr Fort	44 54 25 57 12 27	4 656873 4 732703 4 798313	45381 54938 62851	8 595 10 235 11 904	1067	Husainpur Rámapa Hill Tower Topaldbódi	80 9 20 90 29 50	4 821167 4 038242 4 827593	66247 10920 67235	12 547 2 068 12 734	" 9
1056	Kámannagutta Hálwi Kosgi Hill Mark	23 37 52 10 12 19	4 655574 4 300999 4 798313	45245 19999 62851	8 569 3 788 11 904	1068	Kakarkal Kallur Gavigat	54 58 1 72 35 21 52 26 38	4 980116 5 046559 4 966067	95525 111316 92484	18 092 21 083 17 516	18 9
1057	Kámannagutta Bélagal Kosgi Hill Mark	57 11 45 53 35 32	4 319856 4 300999 4 366069	20886 19999 23331	3 956 3 788 4 400	1069	Kakarkal Husainpur Cavigat	30 57 29 75 46 3 73 16 28	4 771408 5 046559 5 041325	59076 111316 109983	11 189 21 083 20 830	18 9
1058	Kámannagutta Hálwi Kánavaram Pagoda	50 29 14 33 28 46	4 688052 4 542380 4 798313	48759 34864 62851	9 235 6 603 11 904	1070	Kakarkal Kallur Sirávár	46 27 44 40 12 47 93 19 29	4 827089 4 776784 4 966067	67157 59811 92484	12 719 11 328 17 516	18 9
1059	Kámannagutta Bélagal Sankeśvara Pagoda	37 38 36 82 19 52	4 214286 4 424535 4 366069	16379 26578 23331	3 102 5 034 4 400	1071	Husainpur Gavigat Sirávár	44 58 54 82 53 56 52 7 10	4 723517 4 870826 4 771408	52907 74272 59076	10 020 14 067 11 189	18 9
1060	Kámannagutta Bélagal Chinna Tumbalam Turret	110 50 58 22 33 24	4 475421 4 088708 4 366069	29883 12266 23331	5 660 2 323 4 400	1072	Kakarkal Sirávár Gannáyakal Hill Tower	42 17 8 48 51 33	4 604773 4 653720 4 776784	40251 45053 59811	7 623 8 533 11 328	18 9



No. of Triangle	Station	Corrected Plane Angle			No. of Triangle	Station	Corrected Plane Angle			No. of Triangle	Station	Distance			Theodolite used		
		°	'	"			Log. feet	Feet	Miles			Log. feet	Feet	Miles		Theodolite used	
1073	Kallur Sirávár Gannáyakal Hill Tower	36	15	56	1085	Hálwi Hussainpur Maaki Hill Pagoda	31	53	13	1085	Hálwi Hussainpur Maaki Hill Pagoda	4	94	1377	87373	16.548	18
		44	27	56			89	18	36			5	218	510	165390	31.324	"
												4	82	7089	141484	26.796	"
1074	Kakarkal Kallur Nir Mánvi Hill Pillar	26	41	54	1086	Maliabad, XIX Hálwi Muldukhal Hill Pagoda	78	27	52	1086	Maliabad, XIX Hálwi Muldukhal Hill Pagoda	5	152	4434	142048	26.903	"
		92	59	16			43	33	7			4	999	523	99890	18.919	"
												5	069	639	122925	23.281	"
1075	Kallur Sirávár Nir Mánvi Hill Pillar	52	46	29	1087	Kakarkal Hálwi Muldukhal Hill Pagoda	33	41	40	1087	Kakarkal Hálwi Muldukhal Hill Pagoda	5	152	4434	142048	26.903	"
		44	53	51			6	56	12			4	490	293	30924	5.857	"
												5	222	031	166737	31.579	"
1076	Gavigat Sirávár Kharidigudda Hill Tower	75	9	50	1088	Ádoni Kámanagutta Kotakal No. 1 Hill Pillar	70	10	30	1088	Ádoni Kámanagutta Kotakal No. 1 Hill Pillar	4	775	048	59573	11.283	36
		28	56	30			40	1	10			4	609	825	40722	7.712	"
												4	723	517	59433	11.256	"
1077	Gavigat Sirávár Waddavati Hill Pagoda	44	12	30	1089	Gudikalbétta Kámanagutta Kotakal No. 1 Hill Pillar	61	1	16	1089	Gudikalbétta Kámanagutta Kotakal No. 1 Hill Pillar	4	775	048	59573	11.283	"
		66	30	30			30	7	23			4	533	721	34176	6.473	"
												4	833	053	68085	12.895	"
1078	Gavigat Sirávár Kálanagari Hill Tower	71	21	50	1090	Ádoni Hölalagundi Lingsadahalli Hill Mark	11	58	37	1090	Ádoni Hölalagundi Lingsadahalli Hill Mark	4	482	962	30406	5.759	"
		48	9	0			30	48	27			4	875	308	75043	14.213	"
												4	723	517	99525	18.849	"
1079	Hussainpur Sirávár Timmapa	86	15	3	1091	Chyági Hálwi Hanumanta Pagoda	64	13	8	1091	Chyági Hálwi Hanumanta Pagoda	4	549	974	35479	6.720	"
		31	30	59			74	30	12			4	579	426	37969	7.191	"
												4	414	862	25993	4.923	"
1080	Hussainpur Gavigat Timmapa	41	16	9	1092	Hölalagundi Kanchéngod Sirigiri	42	53	11	1092	Hölalagundi Kanchéngod Sirigiri	4	749	138	56123	10.629	"
		47	57	35			68	39	35			4	885	433	76813	14.548	"
												4	884	820	76704	14.527	"
1081	Hussainpur Timmapa Parmánanda	63	32	33	1093	Hölalagundi Kurchod Sirigiri	20	8	23	1093	Hölalagundi Kurchod Sirigiri	4	535	985	34355	6.507	"
		44	36	50			50	20	21			4	885	433	76813	14.548	"
												4	973	325	94043	17.811	"
1082	Hussainpur Gavigat Parmánanda	22	16	24	1094	Kurgod Guddadur No. 1 Bálakundi	68	1	36	1094	Kurgod Guddadur No. 1 Bálakundi	4	901	928	79786	15.111	"
		22	55	31			67	46	43			4	901	165	79646	15.085	"
												4	777	975	59976	11.359	"
1083	Hussainpur Gavigat Kavital Hill Dargah	88	45	55	1095	Kanchéngod Kurchod Bálakundi	61	41	12	1095	Kanchéngod Kurchod Bálakundi	4	901	165	79646	15.085	"
		10	16	0			28	56	8			4	641	190	43771	8.290	"
												8	926	476	90464	17.133	"
1084	Gavigat Timmapa Kavital Hill Dargah	37	41	35	1096	Hölalagundi Sirigiri Bálakundi	34	46	20	1096	Hölalagundi Sirigiri Bálakundi	4	733	088	52855	10.010	"
		102	52	2			21	12	30			4	525	367	33525	6.349	"
												1	1	1	76813	14.548	"

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	
			Log. feet	Feet	Miles				Log. feet	Feet	Miles		
1087	Sirigiri	12 2 9	4 176432	15012	2 843	1109	Guddadur No. 1	145 46 58	4 956540	90477	17 136	Inch 86	
	Bálakundi	120 43 30	4 791588	61885	11 721		Arakérébétta	5 20 2	4 174841	14957	2 833		"
	Kanchagarábélagal Hill Pagoda		4 773088	52855	10 010		Korlagóndi Pagoda		4 890519	77718	14 719		"
1088	Kurgod	17 42 13	4 671314	46015	8 885	1110	Guddadur No. 1	13 28 6	4 268822	18570	3 517	"	
	Sirigiri	149 25 48	4 894676	78465	14 861		Arakérébétta	89 26 28	4 901617	79729	15 100		"
	Malesvar Hill Pagoda		4 535985	34355	6 507		Hattibélagal	77 5 26	4 890519	77718	14 719		"
1089	Kurgod	64 37 19	4 881490	76118	14 416	1111	Arakérébétta	42 32 42	4 101767	12641	2 394	"	
	Guddadur No. 1	69 59 21	4 898518	79162	14 993		Hattibélagal	54 3 27	4 179986	15135	2 866		"
	Mallapuram Pagoda		4 777975	59976	11 359		Álúr	83 23 51	4 268822	18570	3 517		"
1100	Kurgod	33 35 47	4 732417	54003	10 228	1112	Arakérébétta	58 41 37	4 995486	98966	18 744	"	
	Sirigiri	125 47 35	4 898518	79162	14 993		Gadékal	7 30 29	4 179986	15135	2 866		"
	Máispuram Pagoda		4 535985	34355	6 507		Álúr	113 47 54	5 025232	105982	20 072		"
1101	Kurgod	4 43 31	4 464220	29122	5 516	1118	Guddadur No. 1	19 58 7	4 481169	30281	5 735	"	
	Guddadur No. 1	165 30 25	4 946804	88472	16 756		Arakérébétta	41 15 12	4 766914	58467	11 073		"
	Sindhavallam Hill Pagoda		4 777975	59976	11 359		Halahrivi Fort	4 890519	77718	14 719	"		
1102	Kurgod	93 29 35	4 986051	96839	18 341	1114	Hálwi	32 21 10	4 946868	88485	16 759	18	
	Sirigiri	65 46 7	4 946804	88472	16 756		Husainpur	88 48 54	5 218315	165316	31 310		"
	Sindhavallam Hill Pagoda		4 535985	34355	6 507		Máski	58 49 56	5 150707	141484	26 796		"
1103	Hólagundi	22 37 6	4 504921	31983	6 057	1115	Hálwi	38 54 12	5 020710	104884	19 864	"	
	Kanchéngod	44 39 16	4 766773	58448	11 070		Rádakónda	81 49 49	5 218315	165316	31 310		"
	Tékkalakota Hill Stone		4 884820	76704	14 527		Máski	59 15 59	5 157018	143555	27 188		"
1104	Hólagundi	40 24 28	4 794941	62365	11 812	1116	Husainpur	28 30 10	4 628780	43529	8 244	"	
	Kurgod	37 24 36	4 766773	58448	11 070		Máski	47 26 13	4 827270	67185	12 724		"
	Tékkalakota Hill Stone		4 973325	94043	17 811		Amarávati Hill Tower	4 946868	88485	16 759	"		
1105	Hólagundi	30 57 3	4 262495	18302	3 466	1117	Rádakónda	18 57 36	4 868462	73869	13 990	"	
	Bálakundi	39 27 14	4 354363	22613	4 283		Máski	8 30 46	4 527051	33655	6 374		"
	Kúrganúr Pagoda		4 525307	33525	6 349		Sindhnrú Másjid	5 020710	104884	19 864	"		
1106	Guddadur No. 1	65 2 21	5 025232	105982	20 072	1118	Kanchéngod	49 18 12	4 860939	72600	13 750	"	
	Arakérébétta	73 17 33	5 049086	111966	21 206		Kurgod	21 33 26	4 546346	35184	6 664		"
	Gadékal	41 40 6	4 890519	77718	14 719		Murigudda Hill	4 956476	90464	17 133	"		
1107	Arakérébétta	45 11 57	4 876727	75288	14 259	1119	Hólagundi	44 23 15	4 860939	72600	13 750	"	
	Gadékal	47 33 51	4 893813	78309	14 831		Kurgod	70 38 25	4 990869	97919	18 545		"
	Moka Fort		5 025232	105982	20 072		Murigudda Hill	4 973325	94043	17 811	"		
1108	Guddadur No. 1	76 49 18	4 893813	78309	14 831	1120	Kanchéngod	149 36 41	5 026921	106395	20 151	"	
	Arakérébétta	28 5 36	4 578341	37874	7 173		Kurgod	4 54 49	4 255635	18015	3 412		"
	Moka Fort		4 890519	77718	14 719		Salgónda Hill Peak	4 956476	90464	17 133	"		

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1121	Hólalagundi	h.s.	5° 02' 69.21	106395	20.151	1188	Kurgod	h.s.	4° 84' 40.30	69828	13.225	Inch 86
	Kurgod	"	4° 06' 21.55	91055	17.359		Hálhali	"	4° 53' 59.85	34355	6.507	
	Salgónda Hill Peak	"	4° 07' 33.35	94043	17.811		Sirigiri	"	4° 86' 23.27	72833	13.794	
1122	Kurgod	h.s.	5° 13' 26.02	135707	25.702	1184	Kurgod	h.s.	5° 00' 41.10	100951	19.119	"
	Sugidaribétta	"	4° 06' 67.75	92624	17.542		Timmapuram	"	4° 53' 59.85	34355	6.507	
	Timmapuram	"	4° 09' 11.33	97979	18.557		Sirigiri	"	4° 06' 67.25	92624	17.542	
1123	Sugidaribétta	h.s.	4° 57' 79.10	37836	7.166	1185	Hálhali	h.s.	4° 64' 15.46	43807	8.297	"
	Timmapuram	"	5° 15' 66.24	143425	27.164		Sirigiri	"	4° 56' 71.54	36911	6.991	
	Hálhali	"	5° 13' 26.02	135707	25.702		Manúr Fort	"	4° 84' 40.30	69828	13.225	
1124	Kurgod	h.s.	4° 57' 79.10	37836	7.166	1186	Kurgod	h.s.	4° 82' 87.73	67418	12.768	"
	Timmapuram	"	4° 86' 23.27	72833	13.794		Hálhali	"	4° 94' 00.55	88319	16.727	
	Hálhali	"	4° 06' 67.25	92624	17.542		Budaguppa Hill Turret	"	4° 86' 23.27	72833	13.794	
1125	Timmapuram	h.s.	4° 23' 23.2	17348	3.286	1187	Sugidaribétta	h.s.	4° 79' 53.79	62428	11.823	"
	Hálhali	"	4° 62' 42.11	42093	7.972		Timmapuram	"	5° 18' 22.57	152145	28.815	
	Néllódi	"	4° 57' 79.10	37836	7.166		Jambanáth	"	5° 13' 26.02	135707	25.702	
1126	Kurgod	h.s.	4° 62' 42.11	42093	7.972	1188	Timmapuram	h.s.	5° 15' 23.29	142013	26.896	18
	Timmapuram	"	4° 75' 25.62	56567	10.713		Jambanáth	"	5° 10' 39.92	127055	24.063	
	Néllódi	"	4° 06' 67.25	92624	17.542		Udarkal	"	4° 79' 53.79	62428	11.823	
1127	Hálhali	h.s.	4° 34' 53.51	22149	4.195	1189	Timmapuram	h.s.	5° 20' 11.08	158894	30.094	"
	Néllódi	"	4° 27' 48.97	18832	3.567		Udarkal	"	5° 15' 42.94	142657	27.018	
	Ittáti Fort	"	4° 23' 23.2	17348	3.286		Rádakónda	"	5° 10' 39.92	127055	24.063	
1128	Timmapuram	h.s.	4° 47' 83.97	30088	5.699	1140	Kurgod	h.s.	5° 15' 42.94	142657	27.018	"
	Hálhali	"	4° 23' 10.95	17025	3.224		Timmapuram	"	5° 09' 02.41	123095	23.313	
	Devassamudram Hill Pillar	"	4° 57' 79.10	37836	7.166		Rádakónda	"	4° 06' 67.25	92624	17.542	
1129	Kurgod	h.s.	4° 44' 53.54	27884	5.281	1141	Timmapuram	h.s.	4° 80' 12.63	63279	11.985	"
	Néllódi	"	4° 87' 86.73	75626	14.323		Udarkal	"	5° 04' 80.01	111687	21.153	
	Devassamudram Hill Pillar	"	4° 75' 25.62	56567	10.713		Nauli	"	5° 10' 39.92	127055	24.063	
1180	Kurgod	h.s.	4° 56' 81.66	36997	7.007	1142	Timmapuram	h.s.	4° 98' 11.37	95750	18.134	"
	Timmapuram	"	4° 75' 87.01	57372	10.866		Rádakónda	"	5° 04' 80.01	111687	21.153	
	Javuk Pagoda	"	4° 06' 67.25	92624	17.542		Nauli	"	5° 15' 42.94	142657	27.018	
1181	Kurgod	h.s.	4° 41' 04.37	25730	4.873	1148	Timmapuram	h.s.	4° 88' 70.25	77095	14.601	"
	Néllódi	"	4° 75' 87.01	57372	10.866		Jambanáth	"	4° 51' 66.82	32861	6.224	
	Javuk Pagoda	"	4° 75' 25.62	56567	10.713		Gangávati	"	4° 79' 53.79	62428	11.823	
1182	Timmapuram	h.s.	4° 06' 45.57	11603	2.197	1144	Udarkal	h.s.	4° 90' 72.56	80771	15.298	"
	Hálhali	"	4° 43' 49.73	27225	5.156		Nauli	"	4° 97' 93.30	95352	18.059	
	Kampli Fort	"	4° 57' 79.10	37836	7.166		Gangávati	"	4° 80' 12.63	63279	11.985	

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1145	Udarkal Rádkakónða Guddadur No. 2	86 17 47 " " " "	5.233172 4.871993 5.201108	171069 74472 158894	32.399 14.105 30.094	1157	Nagarbétta Hunshigi Hill Tree Hulikeri	20 7 37 " " 138 13 35	4.771601 4.801802 5.058513	59102 63358 114423	11.194 12.000 21.671	Inch 18 "
1146	Rádkakónða Guddadur No. 2 Kotekal	65 20 23 54 51 0 59 48 37	5.254942 5.209041 5.233172	179863 161823 171069	34.065 30.648 32.399	1158	Nagarbétta Ráyanpalle Fort Hulikeri	10 9 57 " " 103 36 0	4.087025 4.801802 4.827935	12219 63358 67288	2.314 12.000 12.744	"
1147	Guddadur No. 2 Kotekal Nagarbétta	60 30 51 63 55 45	5.217833 5.241302 5.254942	165133 174302 179863	31.275 33.012 34.065	1159	Nagarbétta Tanga Shorapur	31 6 2 92 55 19 55 58 39	4.994862 5.281192 5.200216	98824 191070 158568	18.717 36.187 30.032	"
1148	Kotekal Nagarbétta Tanga	73 31 54 " " " "	5.200216 4.587241 5.217833	158568 38658 165133	30.032 7.322 31.275	1160	Kakarkal Tanga Shorapur	48 16 53 60 26 42 71 16 25	4.994862 5.061338 5.098256	98824 115170 123388	18.717 21.812 23.748	"
1149	Kakarkal Kotekal Tanga	14 6 8 52 12 45 113 41 7	4.587241 5.082256 5.102255	38658 125388 145296	7.322 23.748 27.518	1161	Tanga Shorapur Kakeri	39 22 19 46 19 34 94 18 7	4.798418 4.855395 4.994862	62866 71680 98824	11.906 13.576 18.717	"
1150	Nagarbétta Tanga Mudgal Hill Masjid	50 36 44 47 54 26	5.093141 5.075474 5.200216	123919 118980 158568	23.470 22.534 30.032	1162	Kotekal Nagarbétta Kakeri	51 38 0 39 57 13 88 24 47	5.112346 5.025647 5.217833	129523 106083 165133	24.531 20.092 31.275	"
1151	Kotekal Nagarbétta Mudgal Hill Masjid	45 37 3 37 5 30	5.075474 5.001742 5.217833	118980 100402 165133	22.534 19.016 31.275	1163	Nagarbétta Hulikeri Jaldurg Hill Tower	20 56 21 66 33 56	4.355340 4.764827 4.801802	22664 58187 63358	4.292 11.020 12.000	"
1152	Nagarbétta Tanga Hunshigi Hill Tree	36 16 0 45 35 15	4.976607 5.058513 5.200216	94756 114423 158568	17.946 21.671 30.032	1164	Nagarbétta Kakeri Jaldurg Hill Tower	31 13 57 20 43 5	4.930866 4.764827 5.112346	85284 58187 129523	16.152 11.020 24.531	"
1153	Kotekal Nagarbétta Hunshigi Hill Tree	43 45 22 49 47 14	5.058513 5.101559 5.217833	114423 126345 165133	21.671 23.929 31.275	1165	Kotekal Nagarbétta Gudgunta Hill Tower	46 30 0 20 58 10	5.112876 4.806039 5.217833	129681 63979 165133	24.561 12.117 31.275	"
1154	Nagarbétta Hunshigi Hill Tree Béllamarayangudda	56 19 43 " " " "	4.999518 4.971286 5.058513	99889 93602 114423	18.918 17.728 21.671	1166	Nauli Gangavati Yamigudda Hill Peak	28 27 29 71 36 16	4.592065 4.891209 4.907256	39090 77841 80771	7.403 14.743 15.298	"
1155	Nagarbétta Mudgal Hill Masjid Béllamarayangudda	30 33 1 98 20 10	4.786202 4.971286 5.075474	61123 93602 118980	11.576 17.728 22.534	1167	Timmapuram Nauli Yamigudda Hill Peak	43 1 1 35 10 34	4.891209 4.817780 5.048001	77841 65732 111687	14.743 12.449 21.153	"
1156	Nagarbétta Tanga Ráyanpalle Fort	26 18 20 16 53 0	5.011461 4.887935 5.200216	102674 67288 158568	19.446 12.744 30.032	1168	Udarkal Nauli Somapa	48 46 55 56 29 10 74 43 55	4.693206 4.737905 4.801263	49341 54690 63279	9.345 10.358 11.985	"

\* The continuation of the triangulation will be found in the Synoptical Volume of the Mangalore Meridional Series.  
 † For another triangle to this station, see the Synoptical Volume of the Mangalore Meridional Series, the value of the common side being the same. ‡ Deduced base.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1169	Nauli Somapa Lakshmīgudda Hill Pagoda	41 56 31 67 33 30	4 543882 4 684658 4 693206	34985 48379 49341	6 626 9 163 9 345	1181	Nauli Jiādigudda Tavūrgiri Hill	38 31 34 72 49 36	4 497268 4 683062 4 671986	31425 48202 46988	5 952 9 129 8 899	Inch 18 "
1170	Udarkal Nauli Lakshmīgudda Hill Pagoda	36 26 49 14 32 39	4 684658 4 310707 4 801263	48379 20451 63279	9 163 3 873 11 985	1182	Udarkal Nauli Tavūrgiri Hill	47 2 42 59 2 42	4 683062 4 751888 4 801263	48202 56479 63279	9 129 10 697 11 985	" " "
1171	Rādakōnda Nauli Karāṭgi Hill Mark	37 33 15 21 8 0	4 834485 4 600456 4 981137	68310 40407 95750	12 938 7 053 18 134	1188	Guddadur No. 2 Jiādigudda Mūdalagundi	83 49 30 25 58 49 70 11 41	4 848621 4 492683 4 824668	70570 31094 66783	13 366 5 880 12 648	" " "
1172	Rādakōnda Nauli Kālamangi	15 58 10 62 52 53 101 8 57	4 428941 4 938833 4 981137	26850 86863 95750	5 085 16 451 18 134	1184	Jiādigudda Kambagal Hill Pagoda Mūdalagundi	93 9 24 78 22 49 38 32 26	4 974832 4 848021 4 770027	94370 70570 58888	17 873 13 366 11 153	" " "
1173	Nauli Kālamangi Mailapur Hill Tower	64 51 0 70 21 30	4 537785 4 555006 4 428941	34497 35893 26850	6 534 6 708 5 085	1185	Nagarbēṭṭa Tauga Bunkaldōddi Hill Pagoda	18 12 57 78 22 49 5 200216	4 698085 5 194107 5 200216	49898 156353 158568	9 450 29 612 30 032	" " "
1174	Rādakōnda Kālamangi Kurukōnda	38 27 46 42 58 48 98 33 26	4 737489 4 777316 4 938833	54637 59885 86863	10 348 11 342 16 451	1186	Tauga Kakeri Bunkaldōddi Hill Pagoda	24 49 49 38 26 44	4 527634 4 698085 4 855395	33700 49898 71680	6 383 9 450 13 576	" " "
1175	Rādakōnda Nauli Kurukōnda	54 25 56 38 36 51 86 55 13	4 802083 4 777316 4 981137	77998 59885 95750	14 772 11 342 18 134	1187	Tauga Kakeri Wagangiri Hill Fort	27 9 0 115 42 20	4 733754 5 029225 4 855395	54169 106961 71680	10 259 20 258 13 576	" " "
1176	Rādakōnda Guddadur No. 2 Jiādigudda	2 49 31 4 25 42 172 44 47	4 824668 5 019584 5 233172	66783 104612 171069	12 648 19 813 32 399	1188	Kakarkal Tauga Wagangiri Hill Fort	47 30 43 72 40 1	5 029225 5 141328 5 098256	106961 138461 123388	20 258 26 224 23 748	" " "
1177	Nauli Kālamangi Jiādigudda	24 21 59 120 27 4 26 10 57	4 399772 4 671986 4 428941	25106 46988 26850	4 755 8 809 5 085	1189	Kakarkal Tauga Malkapur Hill Pagoda	61 53 24 54 42 56	5 092355 5 058712 5 098256	123696 114475 123388	23 427 21 681 23 748	" " "
1178	Kālamangi Kurukōnda Hattīgudda Hill Tower	32 10 54 28 26 25 4 399772	4 523677 4 475099 4 737489	33395 29861 54637	6 325 5 655 10 348	1190	Kakarkal Shorapur Malkapur Hill Pagoda	13 36 31 81 44 38	4 434836 5 058712 5 061338	27217 114475 115170	5 155 21 681 21 812	" " "
1179	Kālamangi Jiādigudda Hattīgudda Hill Tower	54 14 17 72 28 6	4 405018 4 475099 4 399772	25411 29861 25106	4 813 5 655 4 755	1191	Kakarkal Tauga Sagār Hill Fort	78 28 40 56 32 39	5 240096 5 170265 5 098256	173818 148001 125388	32 920 28 031 23 748	" " "
1180	Rādakōnda Jiādigudda Kambagal Hill Pagoda	33 28 0 68 7 0	4 770027 4 996043 5 019584	58888 99093 104612	11 153 18 768 19 813	1192	Kakarkal Shorapur Sagār Hill Fort	30 11 47 99 43 6	4 878081 5 170265 5 061338	75523 148001 115170	14 304 28 031 21 812	" " "

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used		
			Log. feet	Foot	Miles				Log. feet	Foot	Miles			
1193	Kakarkal Shorapur Jalál	h.s. " " " "	20 49 57 42 45 2 116 25 1	4'660241 4'940980 5'061338	45734 87293 115170	8'662 16'533 21'812	1205	Tauga Shorapur Salávádagi Hill Tower	h.s. " " " "	63 25 3 71 26 24	5'095778 5'121103 4'994862	124674 132101 98824	23'613 25'031 18'717	Inch " " " "
1194	Kakarkal Tauga Jalál	h.s. " " " "	27 26 56 40 1 8 112 31 56	4'790403 4'940980 5'09256	62575 87293 125388	11'851 16'533 23'748	1206	Tauga Kakeri Salávádagi Hill Tower	h.s. " " " "	24 2 44 132 18 26	4'862226 5'121103 4'855395	72816 132161 71680	13'791 25'031 13'576	" " " " " "
1195	Shorapur Jalál Anjala Hill Tower No. 1	h.s. " " " "	48 5 17 60 57 3	4'550346 4'626285 4'660241	36004 42295 45734	6'819 8'010 8'662	1207	Shorapur Kakeri Nagrúr Hill Pagoda	h.s. " " " "	85 51 12 54 49 5	4'995350 4'908883 4'798418	98935 81074 62866	18'738 15'355 11'906	" " " " " "
1196	Kakarkal Jalál Anjala Hill Tower No. 1	h.s. " " " "	23 54 54 55 27 58	4'550346 4'864299 4'940980	36004 73164 87293	6'819 13'857 16'533	1208	Tauga Shorapur Nagrúr Hill Pagoda	h.s. " " " "	21 24 20 132 10 46	4'908883 5'216474 4'994862	81074 164617 98824	15'355 31'177 18'717	" " " " " "
1197	Nagarbétta Shorapur Anjala Hill Tower No. 2	h.s. " " " "	8 4 0 132 18 0	4'623594 5'345473 5'281192	42033 221551 191070	7'961 41'960 36'167	1209	Kakarkal Shorapur Devadurg Hill Pagoda	h.s. " " " "	11 5 2 6 41 24	4'860524 4'642983 5'061338	72531 43952 115170	13'737 8'324 21'812	" " " " " "
1198	Shorapur Jalál Nárguudda Hill Tower	h.s. " " " "	55 54 11 80 25 0	4'730071 4'814890 4'660241	54837 65296 45734	10'386 12'367 8'662	1210	Shorapur Jalál Devadurg Hill Pagoda	h.s. " " " "	49 26 26 91 29 5	4'741331 4'860524 4'660241	55123 72531 45734	10'440 13'737 8'662	" " " " " "
1199	Kakarkal Jalál Nárguudda Hill Tower	h.s. " " " "	36 54 0 36 0 1	4'730071 4'729837 4'940980	54837 53683 87293	10'386 10'167 16'533	1211	Kotekal Kakeri Kannágonáhali Hill Pagoda	h.s. " " " "	10 33 14 127 7 52	4'460330 5'099097 5'025647	28862 125631 106083	5'466 23'794 20'092	" " " " " "
1200	Shorapur Jalál Jalál Building	h.s. " " " "	9 21 40 104 43 30	3'911073 4'685299 4'660241	8148 48451 45734	1'543 9'176 8'662	1212	Tauga Kakeri Kannágonáhali Hill Pagoda	h.s. " " " "	11 31 22 138 44 6	4'460330 4'979070 4'855395	28862 95295 71680	5'466 18'048 13'576	" " " " " "
1201	Tauga Jalál Jalál Hill Peak	h.s. " " " "	6 42 50 50 38 0	3'938971 4'759351 4'790403	8689 57458 62575	1'646 10'882 11'851	1213	Tauga Kakeri Shorapur Fort	h.s. " " " "	36 52 47 104 43 36	4'840512 5'047755 4'855395	69265 111623 71680	13'118 21'141 13'576	" " " " " "
1202	Nagarbétta Shorapur Pirapur Platform	h.s. " " " "	41 47 54 36 30 10	5'114116 5'064725 5'281192	130052 116071 191070	24'631 21'983 36'187	1214	Shorapur Kakeri Shorapur Fort	h.s. " " " "	112 44 54 10 25 29	4'840512 4'133224 4'798418	69265 13590 62866	13'118 2'574 11'906	" " " " " "
1203	Tauga Kakeri Parmánanda Hill Pagoda	h.s. " " " "	8 19 57 146 9 55	4'382496 4'967074 4'855395	24127 92699 71680	4'569 17'557 13'576	1215	Hólagundi Báákundi Talúr Fort	h.s. " " " "	100 15 17 42 23 20	4'735348 4'571104 4'525367	54369 37248 33525	10'297 7'055 6'349	86 " " " "
1204	Tauga Shorapur Parmánanda Hill Pagoda	h.s. " " " "	31 2 22 67 54 38	4'712519 4'967074 4'994862	51584 92699 98824	9'770 17'557 18'717	1216	Guddadur No. 1 Báákundi Talúr Fort	h.s. " " " "	31 16 37 18 21 16	4'735348 4'518190 4'901928	54369 32976 79786	10'297 6'245 15'111	" " " " " "

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1217	Kurgod	h.s.	4° 49' 16.43	31020	5.875	1227	Bandūr	51 19 2	4° 97' 95.78	95407	18.069	Inch
	Ghoddadur No. 1	"	4° 57' 14.51	37278	7.060		Ráyadrug	66 13 26	5° 04' 86.22	111846	21.183	c.t.i.
	Kólúr Hill Pagoda	"	4° 77' 79.75	59976	11.359		Bellaguppa	62 27 32	5° 03' 49.06	108369	20.524	"
<b>BELLARY</b>												
<b>MINOR SERIES NO. 2.</b>												
1218	Udarpidurga, XXVII					1280	Bandūr	14 44 23	4° 48' 35.99	30451	5.767	c.t.i.
	Bandūr	h.s.	5° 03' 49.06	108369	20.524		Ráyadrug	50 8 48	4° 96' 32.18	91879	17.401	86
	Ráyadrug	"	5° 26' 17.66	182712	34.605		Dharmapuri Hill Pagoda	55 11 37	4° 96' 32.18	91879	17.401	86
1219	Bandūr	h.s.	5° 12' 95.80	134766	25.524	1281	Ráyadrug	8 31 17	4° 22' 61.68	16833	3.188	"
	Ráyadrug	"	4° 86' 23.43	72835	13.795		Bellaguppa	114 21 20	5° 01' 49.03	103491	19.601	"
	Sugidaribétta	"	5° 03' 49.06	108369	20.524		Bellaguppa Fort	4 97' 95.78	95407	18.069	"	
1220	Ráyadrug	h.s.	5° 18' 61.18	153503	29.073	1282	Ráyadrug	29 26 27	4° 74' 48.09	55566	10.524	"
	Sugidaribétta	"	5° 12' 36.69	132761	25.144		Devádélábétta	66 16 16	5° 01' 49.03	103491	19.601	c.t.i.
	Jarimalai	"	5° 12' 95.80	134766	25.524		Bellaguppa Fort	5 05' 11.02	5° 05' 11.02	112487	21.304	"
1221	Sugidaribétta	h.s.	5° 04' 87.53	111880	21.189	1283	Devádélábétta	19 34 27	4° 28' 71.27	19370	3.669	"
	Jarimalai	"	5° 11' 45.76	130190	24.657		Bellaguppa	114 49 19	4° 71' 99.50	52475	9.938	86
	Rámandrug	"	5° 18' 61.18	153503	29.073		Yérragudi Fort	4 61' 06.62	41311	7.824	"	
1222	Rámandrug	h.s.	5° 01' 67.59	103934	19.685	1284	Devádélábétta	48 39 33	4° 52' 17.26	33245	6.296	c.t.i.
	Jarimalai	"	4° 81' 00.95	64580	12.231		Bellaguppa	62 26 31	4° 59' 39.05	39256	7.435	86
	Anékalgudda	"	5° 04' 87.53	111880	21.189		Gangavaram Fort	4 61' 06.62	41311	7.824	"	
1223	Jarimalai	h.s.	5° 21' 40.79	163712	31.006	1285	Devádélábétta	58 17 0	4° 54' 83.24	35345	6.694	c.t.i.
	Anékalgudda	"	5° 21' 95.44	165784	31.399		Bellaguppa	37 51 59	4° 40' 66.11	25504	4.830	86
	Narsimdevaragudda	"	5° 01' 67.59	103934	19.685		Timmpankonda Hill Pillar	4 61' 06.62	41311	7.824	"	
* 1224	Anékalgudda	h.s.	4° 98' 77.19	97212	18.411	1286	Ráyadrug	19 3 34	4° 66' 32.54	46053	8.722	"
	Narsimdevaragudda	"	5° 10' 27.03	126679	23.992		Bellaguppa	23 30 43	4° 75' 02.13	56262	10.656	"
	Béttadmallappangudda	"	5° 21' 40.79	163712	31.006		Chitrabanda Pagoda	4 97' 95.78	95407	18.069	"	
1225	Udarpidurga, XXVII					1287	Bandūr	96 49 15	5° 09' 37.74	123133	23.321	c.t.i.
	Ráyadrug	h.s.	5° 09' 81.62	125361	23.743		Bellaguppa	18 46 8	4° 60' 09.79	39901	7.557	86
	Devádélábétta	"	5° 26' 17.66	182712	34.605		Havalagi Hill Pagoda	5 04' 86.22	111846	21.183	"	
1226	Ráyadrug	h.s.	4° 61' 06.62	41311	7.824	1288	Bandūr	117 49 9	4° 99' 13.52	98028	18.566	c.t.i.
	Devádélábétta	"	4° 97' 95.78	95407	18.069		Sugidaribétta	21 5 58	4° 60' 09.79	39901	7.557	86
	Bellaguppa	"	5° 05' 11.02	112487	21.304		Havalagi Hill Pagoda	4 86' 23.43	4862343	72835	13.795	"

\* The continuation of the triangulation will be found in the Synoptical Volume of the Mangalore Meridional Series.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1239	Bandūr Ráyadrug Hönnūr Fort	h.s. " "	5°049163 4°557047 5°034906	111986 36062 108369	21.209 6.830 20.524	1251	Ánēkalgudda Barikalgudda Bahádurbanda	h.s. " "	4°852346 5°042319 4°889374	71178 110235 77513	13.481 20.878 14.680	Inch C.T.I. "
1240	Bandūr Bellaguppa Hönnūr Fort	h.s. " "	4°928704 4°557047 5°048622	84860 36062 111846	16.072 6.830 21.183	1252	Ánēkalgudda Jambanáth Bahádurbanda	h.s. " "	4°996379 5°042319 4°904990	99170 110235 80351	18.782 20.878 15.218	" "
1241	Bandūr Bellaguppa Maulva Fort	h.s. " "	4°674971 4°828289 5°048622	47312 67342 111846	8.961 12.754 21.183	1253	Ánēkalgudda Béttadmállappangudda Kopal	h.s. " "	5°211800 5°093606 5°102703	162855 124053 126679	30.844 23.495 23.992	18
1242	Bandūr Ráyadrug Jēting Rámesvar Pagoda	h.s. " "	4°745159 4°927660 4°862343	55611 84656 72835	10.532 16.033 13.795	1254	Jambanáth Rámesvarambanda Kopal	h.s. s. h.s.	4°705942 5°046261 4°977468	50809 111240 94944	9.623 21.068 17.982	" "
1243	Bandūr Sugidaribētta Jēting Rámesvar Pagoda	h.s. " "	4°922166 4°927660 4°862343	83592 84656 72835	15.832 16.033 13.795	1255	Jambanáth Bahádurbanda Kopal	h.s. s. h.s.	4°148560 5°046261 4°996379	14079 111240 99170	2.666 21.068 18.782	" "
1244	Bandūr Sugidaribētta Ettinabúdihal Fort	h.s. " "	4°739641 4°484986 4°862343	54909 30548 72835	10.399 5.786 13.795	1256	Bahádurbanda Kopal Kopal Pagoda	s. h.s. h.s.	3°826180 4°158631 4°148560	6702 14409 14079	1.269 2.729 2.666	" "
1245	Bandūr Sugidaribētta Hirēhal Fort	h.s. " "	4°393884 4°777567 4°862343	24768 59919 72835	4.691 11.348 13.795	1257	Ánēkalgudda Jambanáth Shivapuram Hill Pagoda	h.s. " "	4°695328 5°048843 4°904990	49582 111903 80351	9.391 21.194 15.218	C.T.I. "
1246	Ráyadrug Sugidaribētta Mōlkálmuru Hill Turret	h.s. " "	5°108284 4°586884 5°120580	128317 38626 134766	24.302 7.316 25.524	1258	Jambanáth Barikalgudda Shivapuram Hill Pagoda	h.s. " "	4°540599 4°695328 4°447094	34722 49582 27996	6.576 9.391 5.302	" "
1247	Rámandrug Ánēkalgudda Jambanáth	h.s. " "	4°904990 4°593102 4°810095	80351 39183 64580	15.218 7.421 12.231	1259	Jambanáth Barikalgudda Huligi Pagoda	h.s. " "	4°308016 4°620687 4°447094	80366 41753 27996	3.857 7.908 5.302	" "
1248	Ánēkalgudda Jambanáth Rámesvarambanda	h.s. " "	4°977468 4°890483 4°904990	94944 77711 80351	17.982 14.718 15.218	1260	Jambanáth Barikalgudda Hōsūr Pagoda	h.s. " "	4°177054 4°547543 4°447094	15033 35281 27996	2.847 6.682 5.302	" "
1249	Ánēkalgudda Jambanáth Barikalgudda	h.s. " "	4°447094 4°889374 4°904990	27996 77513 80351	5.302 14.680 15.218	1261	Jambanáth Barikalgudda Chittavádigi Pagoda	h.s. " "	4°148555 4°470591 4°447094	14078 29552 27996	2.666 5.597 5.302	" "
1250	Ánēkalgudda Rámesvarambanda Barikalgudda	h.s. s. h.s.	4°844182 4°889374 4°890483	69853 77513 77711	13.230 14.680 14.718	1262	Jambanáth Barikalgudda Hampi Hill Pagoda	h.s. " "	4°698933 4°602145 4°447094	49996 40008 27996	9.469 7.577 5.302	" "

\* For another triangle to this station, see the Synoptical Volume of the Mangalore Meridional Series, by which the value of the common side was less by 6 feet.  
 † For another triangle to this station, see the Synoptical Volume of the Mangalore Meridional Series.



No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used	
			Log. feet	Feet	Miles					Log. feet	Feet	Miles		
1263	Jambanath	103 37 29	4.669099	46677	8.840	Inch c.t.i.	1275	Anékalgudda	51 33 39	5.027521	106542	20.178	Inch c.t.i.	
	Barikalgudda	40 43 12	4.495984	31332	5.934			Ramesvarambanda	93 35 51	5.132754	135754	25.711		"
	Kamalapuram Fort	4.447094	27996	5.302	Kumara Ramankumath Fort			4.890483	77711	14.718	"			
1264	Jambanath	72 14 21	4.464574	29146	5.520	"	1276	Ramandrug	101 4 58	5.132754	135754	25.711	"	
	Barikalgudda	41 35 16	4.307798	20314	3.847			Anékalgudda	51 5 17	5.031972	107640	20.386		"
	Mallapannanagudi Pagoda	4.447094	27996	5.302	Kumara Ramankumath Fort			4.810095	64580	12.231	"			
1265	Jambanath	26 14 7	4.122761	13267	2.513	"	1277	Ramandrug	41 59 36	4.757121	57164	10.826	"	
	Barikalgudda	42 38 55	4.308191	20333	3.851			Anékalgudda	88 54 29	4.931587	85426	16.179		"
	Hospet Pagoda	4.447094	27996	5.302	Kudligi Fort			4.810095	64580	12.231	"			
1266	Anékalgudda	15 15 51	4.499758	31605	5.986	"	1278	Jarimalai	45 44 23	4.931587	85426	16.179	36 c.t.i.	
	Barikalgudda	24 57 9	4.704532	50644	9.592			Ramandrug	23 58 21	4.685412	48463	9.179		"
	Narayanadevarakeri Pagoda	4.889374	77513	14.680	Kudligi Fort			5.048753	111880	21.189	"			
1267	Ramandrug	46 55 18	4.704532	50644	9.592	"	1279	Anékalgudda	26 50 17	4.705547	58284	11.039	"	
	Anékalgudda	64 25 28	4.796174	62542	11.845			Bettadmallappangudda	74 16 16	5.094344	124264	23.535		"
	Narayanadevarakeri Pagoda	4.810095	64580	12.231	Karëddigudda No. 1			78 53 27	5.102703	126679	23.992	"		
1268	Anékalgudda	20 16 15	4.632189	42873	8.120	"	1280	Jarimalai	54 42 45	5.094344	124264	23.535	"	
	Barikalgudda	18 30 45	4.594297	39291	7.442			Anékalgudda	82 13 50	5.178508	150837	28.568		"
	Dhanayakanakeri Building	4.889374	77513	14.680	Karëddigudda No. 1			43 3 25	5.016759	103934	19.685	"		
1269	Anékalgudda	76 24 24	4.950764	89282	16.909	"	1281	Anékalgudda	18 57 14	4.617867	41483	7.857	"	
	Jambanath	42 34 38	4.793425	62148	11.770			Bettadmallappangudda	63 44 31	5.058942	114536	21.692		"
	Bandarangangudda Hill Pagoda	4.904990	80351	15.218	Jajikalgudda Hill Platform			5.102703	126679	23.992	"			
1270	Anékalgudda	66 13 55	5.066190	116464	22.058	"	1282	Anékalgudda	7 53 3	4.280368	19071	3.612	"	
	Bettadmallappangudda	29 13 59	4.793425	62148	11.770			Karëddigudda No. 1	55 28 11	5.058942	114536	21.692		"
	Bandarangangudda Hill Pagoda	5.102703	126679	23.992	Jajikalgudda Hill Platform			5.094344	124264	23.535	"			
1271	Anékalgudda	46 24 44	4.920022	83181	15.754	"	1283	Bettadmallappangudda	47 51 7	4.750281	56271	10.657	"	
	Ramesvarambanda	91 0 8	5.060026	114822	21.747			Karëddigudda No. 1	81 58 44	4.875951	75154	14.234		"
	Devaragudda Hill Pagoda	4.890483	77711	14.718	Ambali Pagoda			4.705547	58284	11.039	"			
1272	Anékalgudda	27 24 12	4.750531	57086	10.812	"	1284	Ramandrug	44 23 2	4.660170	45727	8.660	"	
	Jambanath	112 13 9	5.060026	114822	21.747			Anékalgudda	54 33 29	4.726405	53260	10.087		"
	Devaragudda Hill Pagoda	4.904990	80351	15.218	Vutrimala Hill Turret			4.810095	64580	12.231	"			
1273	Jambanath	63 16 47	4.736483	54511	10.324	"	1285	Jarimalai	17 7 57	4.660170	45727	8.660	86 c.t.i.	
	Devaragudda Hill Pagoda	69 17 40	4.652644	44941	8.512			Anékalgudda	24 54 5	4.815304	65359	12.379		"
	Nimbapuram	4.750531	57086	10.812	Vutrimala Hill Turret			5.016759	103934	19.685	"			
1274	Jambanath	2 19 51	3.704568	5065	0.959	"	1286	Narsimdevaragudda	9 9 37	4.136662	13698	2.594	"	
	Nimbapuram	156 30 57	4.695722	49628	9.399			Karëddigudda No. 1	138 30 32	4.755916	57005	10.796		"
	Anagondi Fort	4.652644	44941	8.512	Shikkiter Pagoda			4.662925	46018	8.715	"			

\* For another triangle to this station, see the Synoptical Volume of the Mangalore Meridional Series, by which the value of the common side was greater by 2 feet.  
 † This base is taken from the Synoptical Volume of the Mangalore Meridional Series.

Triangle No.	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	
			Log. feet	Feet	Miles				Log. feet	Feet	Miles		
1287	Narsimdevaragudda	h.s.	4.663458	46074	8.726	1287	Kámankónnda Hill Mark	h.s.	4.998513	99658	18.875	Inch	
	Karéddegudda No. 1	"	4.015408	10361	1.962		Devádélábétta	"	4.941386	87375	16.548		C.T.I.
	Asaikéte Fort	"	4.662995	46018	8.715		Kondarpidurga	"	5.095675	124045	23.607		
1288	Narsimdevaragudda	h.s.	4.712350	51564	9.766	1288	Devádélábétta	h.s.	5.090773	123246	23.342	C.T.I.	
	Karéddegudda No. 1	"	4.458044	28711	5.438		Kondarpidurga	"	5.194862	156625	29.064		
	Basvankote Fort	"	4.662995	46018	8.715		Talak	"	4.998513	99658	18.875		
1289	Narsimdevaragudda	h.s.	4.890899	77786	14.732	1289	Kondarpidurga	h.s.	5.175955	149953	28.400	"	
	Karéddegudda No. 1	"	4.666370	46384	8.785		Talak	"	5.121020	132136	25.026		
	Huchangpur Fort	"	4.662995	46018	8.715		Yénnékal	"	5.090773	123246	23.342		
1290	Ánékalgudda	h.s.	4.782994	60673	11.491	1800	Talak	h.s.	5.182730	152311	28.847	"	
	Béttadmallappangudda	"	4.886637	77026	14.588		Yénnékal	"	5.160818	144816	27.427		
	Gugamaldi Building	"	5.102703	126679	23.992		Jogimardi	"	5.175955	149953	28.400		
1291	Narsimdevaragudda	h.s.	4.997412	99406	18.827	1801	Yénnékal	h.s.	5.118198	131280	24.864	"	
	Béttadmallappangudda	"	4.937593	86615	16.404		Jogimardi	"	5.107695	128143	24.270		
	Kóttúr Pagoda	"	4.987719	97212	18.411		Utarigudda	"	5.182730	152311	28.847		
1292	Ánékalgudda	h.s.	4.997412	99406	18.827	1802	Utarigudda	h.s.	4.846277	70190	13.294	"	
	Béttadmallappangudda	"	4.918054	82804	15.683		Jogimardi	"	4.954472	90048	17.054		
	Kóttúr Pagoda	"	5.102703	126679	23.992		Hotaigudda	"	5.118198	131280	24.864		
1293	Rámesvarambanda	s.	4.356916	22747	4.308	1803	Jogimardi	h.s.	5.001744	100402	19.016	"	
	Kopal	h.s.	4.640201	43681	8.273		Hotaigudda	"	4.946670	88444	16.751		
	Halarki Hill Peak	"	4.705942	50809	9.623		Shigakal	"	4.846277	70190	13.294		
1294	Linganbada	h.s.	4.356916	22747	4.308	1804	Hotaigudda	h.s.	5.103017	126770	24.009	"	
	Kopal	"	5.114201	130077	24.636		Shigakal	"	4.942888	87677	16.606		
	Halarki Hill Peak	"	5.079490	120085	22.743		Kalangavi	"	5.001744	100402	19.016		
CHITALDROOG													
MINOR SERIES.													
1295	Uraakónnda, XXXII	55 49 31	5.048890	111915	21.196	1805	Kóndapalli, XXXI	h.s.	4.963036	91841	17.394	C.T.I.	
	Kóndapalli, XXXI	60 37 7	5.071416	117874	22.325		Kámankónnda Hill Mark	"	4.653864	45068	8.536		
	Kámankónnda Hill Mark	"	5.083215	121120	22.939		Kogarábada	"	5.048890	111915	21.196		
1296	Kóndapalli, XXXI	72 10 37	5.095675	124645	23.607	1806	Kóndapalli, XXXI	h.s.	4.766771	58448	11.070	"	
	Kámankónnda Hill Mark	h.s.	4.995391	98944	18.739		Devádélábétta	"	4.653864	45068	8.536		
	Devádélábétta	h.s.	5.048890	111915	21.196		Kogarábada	"	4.995391	98944	18.739		
1296	Kóndapalli, XXXI	31 37 22	4.820968	66217	12.541	1807	Kóndapalli, XXXI	h.s.	4.226503	16846	3.191	"	
	Kámankónnda Hill Mark	19 57 24	4.634516	43104	8.164		Kogarábada	"	4.494289	31210	5.911		
	Devádélábétta	4.995391	98944	18.739	Nutimadugu Fort		"	4.653864	45068	8.536			
1296	Devádélábétta	58 44 8	5.048890	111915	21.196	1808	Kóndapalli, XXXI	h.s.	4.820968	66217	12.541	"	
	Kóndapalli, XXXI	31 37 22	4.634516	43104	8.164		Devádélábétta	"	4.634516	43104	8.164		
	Kámankónnda Hill Mark	19 57 24	4.995391	98944	18.739		Rámpur Fort	"	4.995391	98944	18.739		

\* These bases are taken from the Synoptical Volume of the Mangalore Meridional Series.  
 † The continuation of the triangulation will be found in the Synoptical Volume of the Mangalore Meridional Series.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1809	Kōndapalli, XXXI Kogarabanda Rāmpur Fort	12 5 7 72 4 33	3° 9' 70.32 4° 3' 45.16 4° 6' 53.864	9485 43104 45068	1.796 8.164 8.536	c.t.l. " "	1821	Pāvagada, XXXIII Karēkal Nidugal	54 31 42 42 11 29 83 16 49	4° 9' 41.785 4° 8' 50.63 5° 0' 27.953	87455 72121 106648	16.563 13.659 20.198	Inch 36 " "
1810	Devādēlabēṭṭa Kondarpidurga Mulkanūr Hill Pagoda	43 53 47 25 12 54	4° 8' 68.995 4° 6' 57.405 4° 9' 98.513	73960 45443 99658	14.008 8.607 18.875	" 86	1822	Kondarpidurga Karēkal Amrapur Fort	19 55 48 15 52 42	4° 9' 05.595 4° 8' 10.113 5° 1' 40.216	80463 64582 138107	15.239 12.231 26.157	" "
1811	Kōndapalli, XXXI Devādēlabēṭṭa Mulkanūr Hill Pagoda	27 16 36 58 57 47	4° 6' 57.405 4° 9' 29.224 4° 9' 95.391	45443 84962 98944	8.607 16.091 18.739	c.t.l. " "	1823	Kondarpidurga Nidugal Amrapur Fort	36 40 2 86 11 38	4° 5' 87.167 4° 8' 10.113 4° 7' 35.345	38652 64582 54368	7.320 12.231 10.297	" "
1812	Devādēlabēṭṭa Kondarpidurga Kadiriāvarpilli Hill Pagoda	36 49 13 32 19 5	4° 8' 05.610 4° 7' 56.004 4° 9' 98.513	63916 57017 99658	12.105 10.799 18.875	" 86	1824	Kondarpidurga Karēkal Siddhesvaradurga Hill Mark	32 18 57 11 20 50	5° 0' 29.122 4° 5' 95.029 5° 1' 40.216	106936 39358 138107	20.253 7.454 26.157	" "
1813	Kōndapalli, XXXI Devādēlabēṭṭa Kadiriāvarpilli Hill Pagoda	34 30 28 66 2 21	4° 7' 56.004 4° 9' 63.953 4° 9' 95.391	57017 91971 98944	10.799 17.419 18.739	c.t.l. " "	1825	Yēnnēkal Karēkal Ranganhalli	63 14 26 72 54 18 43 51 16	5° 0' 76.815 5° 1' 06.386 4° 9' 66.636	119348 127757 92605	22.604 24.196 17.539	" "
1814	Kōndapalli, XXXI Devādēlabēṭṭa Pampanūr Hill Pagoda	89 31 10 27 17 27	5° 0' 44.765 4° 7' 06.126 4° 9' 95.391	110857 50831 98944	20.996 9.627 18.739	" "	1826	Yēnnēkal Utarigudda Ranganhalli	59 41 30 60 0 13 60 18 17	5° 1' 05.012 5° 1' 06.386 5° 1' 07.695	127354 127757 128143	24.120 24.196 24.270	" "
1815	Kōndapalli, XXXI Devarakōnda No. 1 Pampanūr Hill Pagoda	52 59 47 29 51 57	4° 9' 11.250 4° 7' 06.126 5° 0' 55.543	81517 50831 101285	15.439 9.627 19.183	86	1827	Karēkal Ranganhalli Maddigiri Fort	68 50 40 53 3 34 5° 0' 76.815	5° 1' 17.638 5° 0' 56.628 5° 0' 76.815	131111 112364 119348	24.832 21.281 22.604	" "
1816	Kōndapalli, XXXI Devarakōnda No. 1 Pratimkōnda Hill Mark	120 14 19 20 26 42	5° 1' 40.808 4° 7' 46.935 5° 0' 55.543	138105 55839 101285	26.156 10.576 19.183	" "	1828	Karēkal Ranganhalli Tarūr	35 52 34 69 58 4 74 9 22	4° 8' 61.559 5° 0' 66.533 5° 0' 76.815	72704 116556 119348	13.770 22.975 22.604	" "
1817	Kōndapalli, XXXI Devādēlabēṭṭa Pratimkōnda Hill Mark	97 14 44 27 35 36	5° 0' 77.692 4° 7' 46.935 4° 9' 95.391	110589 55839 98944	22.649 10.576 18.739	c.t.l. " "	1829	Karēkal Maddigiri Fort Tarūr	32 58 6 69 58 31	4° 8' 13.449 5° 0' 66.533 5° 0' 56.628	65080 116556 112364	12.326 22.975 21.281	" "
1818	Kāmankōnda Hill Mark Kondarpidurga Karēkal	76 14 55 35 52 42	5° 1' 40.216 5° 1' 60.810 4° 9' 41.386	138107 14814 87375	26.157 27.427 16.548	86	1880	Ranganhalli Tarūr Midagēshidurga Hill Mosque	44 11 9 106 26 15	5° 0' 14.102 5° 1' 52.754 4° 8' 61.559	103300 142152 72704	19.564 26.923 13.770	" "
1819	Kondarpidurga Yēnnēkal Karēkal	40 0 11 73 28 20 66 31 29	4° 9' 66.636 5° 1' 40.216 5° 1' 21.020	92605 138107 132136	17.539 26.157 25.026	" "	1881	Ranganhalli Tarūr Sira Fort	63 44 40 33 42 1 4° 8' 61.559	4° 8' 79.46 4° 6' 09.410 4° 8' 61.559	65758 40683 72704	12.454 7.705 13.770	" "
1820	Kondarpidurga Yēnnēkal Nidugal	56 44 25 23 57 24 99 18 11	5° 0' 49.077 4° 7' 35.345 5° 1' 21.020	111964 54368 132136	21.205 10.297 25.026	" "	1892	Ranganhalli Tarūr Rōllabēṭṭa Hill Mark	52 27 2 90 38 42	4° 9' 82.238 5° 0' 83.032 4° 8' 61.559	95993 121069 72704	18.180 22.930 13.770	" "

\* Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1833	Karēkal Tarūr Chuargiridurga Stone	93 59 10 10 22 19	5.079263 4.335678 5.066533	120022 21661 116556	22.732 4.102 22.075	1845	Talak Yēnnēkal Nannivāla	64 57 39 22 13 49 92 48 32	5.133614 4.754347 5.175955	136023 50800 149953	25.762 10.758 28.400	Inch 86 " " "
1884	Ranganhalli Tarūr Mūganāyakanakote	73 5 59 65 54 37 40 59 24	5.025530 5.005130 4.861559	106055 101188 72704	20.086 19.164 13.770	1846	Kondarpidurga Yēnnēkal Nannivāla	54 19 34 73 34 10 52 6 16	5.133614 5.205763 5.121020	136023 160606 132136	25.762 30.418 25.026	" " "
1885	Yēnnēkal Karēkal Sankaralingam Pagoda	29 1 23 94 1 43	4.729186 5.042225 4.966636	53603 110211 92605	10.152 20.873 17.539	1847	Jogimardi Nannivāla Turuvanūr Fort	38 27 12 71 59 51 1	4.767079 4.951574 4.945101	58490 80449 88125	11.078 16.941 16.690	" " "
1886	Yēnnēkal Karēkal Gudibanda Hill Turret	13 48 59 115 29 53	4.456129 5.033570 4.966636	28584 108036 92605	5.414 20.461 17.539	1848	Talak Nannivāla Turuvanūr Fort	34 17 7 112 33 2	4.767079 4.981785 4.754347	58490 95893 50800	11.078 18.162 10.758	" " "
1887	Yēnnēkal Karēkal Pailbanda Pagoda	29 30 35 53 4 3	4.662760 4.873025 4.966636	46000 74649 92605	8.712 14.138 17.539	1849	Talak Nannivāla Dōderi Fort	52 51 3 49 15 3	4.665602 4.643533 4.754347	46302 44008 56800	8.769 8.335 10.758	" " "
1888	Devādēlabēṭṭa Kondarpidurga Rāyadrug	98 55 58 43 29 37 37 34 25	5.208041 5.051102 4.998513	161451 112487 99658	30.578 21.304 18.875	1850	Jogimardi Nannivāla Pālavanhalli	46 48 53 22 38 2 110 33 5	4.836473 4.558941 4.945101	68623 36219 88125	12.997 6.860 16.690	" " "
1889	Kondarpidurga Rāyadrug Kalyāndrug Hill Mark No. 2	39 5 55 33 20 1	5.028577 4.968762 5.208041	106801 93060 161451	20.228 17.625 30.578	1851	Jogimardi Utarigudda Pālavanhalli	68 37 22 15 56 29 95 26 9	5.089198 4.558941 5.118198	122800 36219 131280	23.258 6.860 24.864	" " "
1840	Rāyadrug Bellagruppa Kalyāndrug Hill Mark No. 2	25 9 34 91 35 33	4.657275 5.028577 4.979578	45423 106801 95407	8.603 20.228 18.069	1852	Talak Yēnnēkal Birankalgudda Hill Platform	55 47 52 69 51 42	5.183670 5.238736 5.175955	152640 173275 149953	28.909 32.817 28.400	" " "
1841	Kondarpidurga Talak Sirwala Hill Peak	28 23 19 30 10 25	4.836823 4.860960 5.090773	68679 72604 123246	13.007 13.751 23.342	1853	Yēnnēkal Jogimardi Birankalgudda Hill Platform	12 36 50 84 15 13	4.525070 5.183670 5.182730	33502 152640 152311	6.345 28.909 28.847	" " "
1842	Talak Jogimardi Guhesvar	39 22 5 61 51 26 78 46 29	4.971501 5.114565 5.160818	93649 130186 144816	17.736 24.656 27.427	1854	Guhesvar Nannivāla Chitaldroog Flag-staff	53 30 29 50 44 52	4.878400 4.862124 4.959592	75579 72799 91116	14.314 13.788 17.257	" " "
1843	Jogimardi Shigakal Guhesvar	66 35 5 59 11 59 54 12 56	5.000206 4.971501 4.946670	100047 93649 88444	18.948 17.736 16.751	1855	Talak Guhesvar Chitaldroog Flag-staff	32 13 11 75 19 42	4.862124 5.120863 5.114565	72799 132088 130186	13.788 25.017 24.656	" " "
1844	Jogimardi Guhesvar Nannivāla	60 4 30 56 57 16 62 58 14	4.959592 4.945101 4.971501	91116 88125 93649	17.257 16.690 17.736	1856	Jarimalai Guhesvar Nimbalagiri Hill Mark	16 28 0 11 33 17	4.976901 4.826102 5.196327	94820 67004 157155	17.958 12.690 29.764	" " "

\* For another triangle to this station, see the Synoptical Volume of the Madras Longitudinal Series. † Deduced base.

No. of Triangle	Station	Corrected Plane Angle			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Theodolite used	
		°	'	"				Log. feet	Feet	Miles		
1857	Talak	h.s.	39	8	25	h.s.	1869	Jarimalai	0	1	15	Inch
	Guhesvar	"	80	47	16	"	1869	Anēkalgudda	74	21	18	86
	Nimbalagiri Hill Mark	"				"	1869	Kuravinkal Hill Pagoda	46	8	14	c.t.l.
1858	Jarimalai	h.s.	16	5	30	h.s.	1870	Shigakal	16	13	1	36
	Guhesvar	"	38	34	51	"	1870	Guhesvar	94	12	10	"
	Kankuppa	s.	125	19	39	"	1870	Bistuvalli Hill Pagoda	5	00	20	"
1859	Talak	h.s.	19	7	58	h.s.	1871	Jogimardi	23	51	46	"
	Guhesvar	"	107	48	50	"	1871	Utarigudda	87	35	3	"
	Kankuppa	s.	53	3	12	"	1871	Dōddakurkimaradi	68	33	11	"
1860	Guhesvar	h.s.	17	18	48	h.s.	1872	Yēnnēkal	66	54	42	"
	Kankuppa	s.	77	9	8	"	1872	Jogimardi	29	14	7	"
	Kōtigudda Hill Pagoda	"				"	1872	Dōddakurkimaradi	83	51	11	"
1861	Shigakal	h.s.	24	45	23	h.s.	1873	Utarigudda	79	19	49	"
	Guhesvar	"	101	52	57	"	1873	Dōddakurkimaradi	63	56	6	"
	Kōtigudda Hill Pagoda	"				"	1873	Karēddigudda No. 2	36	44	5	"
1862	Jarimalai	h.s.	36	31	46	h.s.	1874	Jogimardi	53	47	38	"
	Anēkalgudda	"	16	6	8	"	1874	Pālavanhalli	78	35	42	"
	Viranadrug Turret	"				"	1874	Karēddigudda No. 2	47	30	40	"
1863	Jarimalai	h.s.	85	43	32	h.s.	1875	Jogimardi	55	8	33	"
	Guhesvar	"	13	10	49	"	1875	Hotāigudda	42	43	13	"
	Viranadrug Turret	"				"	1875	Karēddigudda No. 2	82	8	14	"
1864	Jarimalai	h.s.	72	57	46	h.s.	1876	Dōddakurkimaradi	32	7	42	"
	Anēkalgudda	"	29	45	0	"	1876	Karēddigudda No. 2	68	36	7	"
	Shiddalingana Fort	"				"	1876	Vaddikēre	79	16	11	"
1865	Jarimalai	h.s.	49	17	32	h.s.	1877	Yēnnēkal	70	55	8	"
	Guhesvar	"	18	5	33	"	1877	Dōddakurkimaradi	56	20	34	"
	Shiddalingana Fort	"				"	1877	Vaddikēre	52	44	18	"
1866	Jarimalai	h.s.	48	46	4	h.s.	1878	Yēnnēkal	25	53	29	"
	Guhesvar	"	22	56	48	"	1878	Dōddakurkimaradi	69	46	27	"
	Bairadāvargudda Fort	"				"	1878	Hiriyūr Pagoda	28	3	1	"
1867	Jarimalai	h.s.	73	29	14	h.s.	1879	Jogimardi	55	56	52	"
	Anēkalgudda	"	35	51	35	"	1879	Utarigudda	5	03	89	"
	Bairadāvargudda Fort	"				"	1879	Hiriyūr Pagoda	5	11	19	"
1868	Jarimalai	h.s.	47	54	0	h.s.	1880	Yēnnēkal	62	0	7	"
	Guhesvar	"	33	8	4	"	1880	Jogimardi	36	56	14	"
	Kuravinkal Hill Pagoda	"				"	1880	Rangapurugudda Platform	5	18	27	"

\* Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

Triangle No.	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	
			Log. feet	Feet	Miles				Log. feet	Feet	Miles		
1381	Jogimardi Utarigudda Rangapurgudda Platform	h.s. " "	4.578589 5.133900 5.118198	37896 136138 131280	7.177 25.784 24.864	1392	Shigakal Kalangavi Doddavati Hill Pillar	27 3 14 38 2 28	4.803254 4.935147 5.103017	63570 86128 126770	11 " "	Inch 36 " "	
1382	Jogimardi Hotaigudda Gadrigudda Hill Mark	h.s. " "	5.003081 4.871176 4.846277	100712 74332 70190	19.074 14.078 13.294	1398	Hotaigudda Kotakal No. 2 Hill Pillar Jenkalidurga	75 13 27 56 12 15	4.522396 4.411937 4.456615	33296 25819 28616	6.306 4.890 5.420	" "	" "
1383	Hotaigudda Shigakal Gadrigudda Hill Mark	h.s. " "	4.315901 5.003081 5.001744	20697 100712 100402	3.920 19.074 19.016	1394	Kugankal Kalangavi Hosdurga	85 11 19 55 57 11	4.841027 5.041951 4.961818	69347 110142 91584	13.134 20.800 17.345	" "	" "
1384	Jogimardi Hotaigudda Umankal	h.s. " "	4.858542 4.653482 4.846277	72201 45028 70190	13.674 8.528 13.294	1395	Hotaigudda Kalangavi Hosdurga	50 38 40 51 30 6 77 51 14	4.841027 4.846275 4.942888	69347 70190 87677	13.134 13.294 16.606	" "	" "
1385	Hotaigudda Kalangavi Umankal	h.s. " "	5.110035 4.858542 4.942888	128835 72201 87677	24.401 13.674 16.606	1396	Kalangavi Hosdurga Ramagiri Turret	102 10 53 23 37 16	4.922095 4.534790 4.841027	83579 34260 69347	15.829 6.489 13.134	" "	" "
1386	Hotaigudda Umankal Sirappanahalli	h.s. " "	4.713567 4.552881 4.858542	51709 35718 72201	9.793 6.765 13.674	1397	Kalangavi Hosdurga Ganganhalli Hill Pagoda	53 10 18 63 34 35	4.793504 4.842258 4.841027	62159 69544 69347	11.773 13.171 13.134	" "	" "
1387	Hotaigudda Kalangavi Sirappanahalli	h.s. " "	4.899152 4.552881 4.942888	79278 35718 87677	15.015 6.765 16.606	1398	Hannegudda Kalangavi Ganganhalli Hill Pagoda	56 38 56 69 44 20	4.842258 4.892667 4.826213	69544 78103 67021	13.171 14.792 12.693	" "	" "
1388	Hotaigudda Kalangavi Kotakal No. 2 Hill Pillar	h.s. " "	4.784926 4.456615 4.942888	60943 28616 87677	11.542 5.420 16.606	1399	Gardangiri Hosdurga Sidragudda	65 45 3 43 15 11 70 59 46	5.037110 4.913057 5.052886	108921 81857 112950	20.629 15.503 21.392	C.T.I. " "	" "
1389	Utarigudda Hotaigudda Kotakal No. 2 Hill Pillar	h.s. " "	4.456615 5.036162 4.954472	28616 108683 90048	5.420 20.584 17.054	1400	Utarigudda Sidragudda Somanhalli Ranganegudda	40 23 8 46 35 1 93 1 51	4.806804 4.856440 4.994669	64092 71852 98780	12.139 13.608 18.708	" "	" "
1390	Utarigudda Hotaigudda Bevinhalli Hill Pagoda	h.s. " "	4.810485 4.479198 4.954472	64638 30144 90048	12.242 5.709 17.054	1401	Gardangiri Hosdurga Bagur Pagoda	16 23 47 97 6 58	4.541211 5.087171 5.052886	34770 122228 112950	6.585 23.149 21.392	" "	" "
1391	Hotaigudda Kalangavi Doddavati Hill Pillar	h.s. " "	4.803254 4.479022 4.942888	63570 30194 87677	12.040 5.719 16.606	1402	Shigakal Kalangavi Hotalakere Pagoda	18 58 31 15 4 30	4.806988 4.770003 5.103017	73619 58885 126770	13.943 11.152 24.009	36 " "	36 " "

\* Deduced base. † For another triangle to this station, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was greater by 17 feet.  
‡ For another triangle to this station, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was less by 38 feet.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
				Log. feet	Feet	Miles	
<b>CUDDAPAH</b>							
<b>MINOR SERIES.</b>							
1408	Kõndapalli, XXXI Urakõnda, XXXII Avuladevarakõnda h.s.	1° 0' 0" 49 20 3 0° 9' 57 37 4 5 1° 0' 01 33 35 2	5° 08' 01 40 7 5° 06' 56 68 1 5° 08' 32 15 0	120265 4 116323 7 121119 7	22 778 22 031 22 939	Inch 24 " 24 " 10	Theodolite used
1404	Devarakõnda, XXVIII Kõndapalli, XXXI Avuladevarakõnda h.s.	0° 4' 06 15 20 6 3 23 51 23 0 4 59 53 16 4	5° 06' 56 68 1 4° 67' 51 21 9 5° 00' 55 00 7	116323 7 47328 4 101228 0	22 031 8 904 19 172	Inch 24 " 24 " 10	Theodolite used
1405	Urakõnda, XXXII Avuladevarakõnda h.s. Mallappakõnda "	0° 7' 72 3 9 3 6 36 17 22 9 7 71 39 27 8	5° 08' 11 21 5 4° 87' 50 10 9 5° 08' 01 40 7	120537 3 74991 3 120265 4	22 829 14 203 22 778	" " 24 " 10	Theodolite used
1406	Avuladevarakõnda h.s. Mallappakõnda Palkõnda No. 1 "	0° 8' 57 7 50 3 8 52 14 33 3 8 70 37 36 4	5° 03' 06 68 7 5° 00' 43 98 3 5° 08' 11 21 5	107317 0 101017 9 120537 3	20 325 19 132 22 829	" " 24 " 10	Theodolite used
1407	Mallappakõnda h.s. Palkõnda No. 1 Pipád	0° 7' 39 35 14 6 7 84 17 35 5 7 56 7 9 9	4° 9' 15 79 81 5° 10' 93 27 5 5° 03' 06 68 7	82375 5 128625 6 107317 0	15 601 24 361 20 325	" " 24 " 10	Theodolite used
1408	Palkõnda No. 1 h.s. Pipád Yerrakõnda "	0° 7' 56 46 6 5 7 80 46 0 5 6 42 27 53 0	5° 00' 89 53 5 5° 08' 07 43 1 4° 9' 15 79 81	102059 5 120432 3 82375 5	19 329 22 809 15 601	" " 24 " 10	Theodolite used
1409	Pipád Yerrakõnda Nandimandalam	0° 7' 47 24 1 0 8 77 11 17 8 7 55 24 41 2	4° 9' 60 25 89 5° 08' 23 72 8 5° 00' 89 53 5	91255 5 120885 1 102059 5	17 283 22 895 19 329	" " 24 " 10	Theodolite used
1410	Yerrakõnda h.s. Nandimandalam Chinna Chõppalli "	0° 4' 40 29 50 7 5 75 37 31 3 5 63 52 38 0	4° 8' 19 57 54 4° 99 32 40 2 4° 9' 60 25 89	66004 8 98455 5 91255 5	12 501 18 647 17 283	" " 24 " 10	Theodolite used
1411	Nandimandalam h.s. Chinna Chõppalli Peisuvavaripalli "	0° 2' 48 57 23 7 3 70 33 18 3 3 60 29 18 0	4° 7' 57 42 23 4° 8' 54 42 29 4° 8' 19 57 54	57203 5 71519 2 66004 8	10 834 13 545 12 501	" " 24 " 10	Theodolite used
1412	Chinna Chõppalli h.s. Peisuvavaripalli Pushpagiri "	0° 3' 71 25 50 7 3 55 32 13 7 2 53 1 55 6	4° 8' 31 67 09 4° 7' 71 07 74 4° 7' 57 42 23	67868 9 59030 6 57203 5	12 854 11 180 10 834	" " 24 " 10	Theodolite used

<b>CHITTOOR</b>							
<b>MINOR SERIES.</b>							
1413	Kõndapalli, XXXI Avuladevarakõnda Yellari Fort	h.s.	4° 9' 10 02 2 4° 7' 07 39 8 5° 06' 56 68 1	81287 50980 116324	15 395 9 655 22 031	Inch C.T.I. " 10	Theodolite used
1414	Urakõnda, XXXII Mallappakõnda Piadãndikõnda Hill Peak	h.s.	4° 8' 21 18 9 4° 6' 71 30 4 4° 8' 75 01 1	66251 46914 74991	12 547 8 885 14 203	" 10	Theodolite used
1415	Avuladevarakõnda h.s. Mallappakõnda Piadãndikõnda Hill Peak	h.s.	4° 8' 21 18 9 4° 8' 74 02 9 5° 08' 11 22	66251 74822 120537	12 547 14 171 22 829	" 10	Theodolite used
1416	Urakõnda, XXXII Mallappakõnda Kunnamukala Fort	h.s.	4° 4' 83 88 0 4° 7' 29 84 2 4° 8' 75 01 1	30470 53684 74991	5 771 10 167 14 203	C.T.I. " 10	Theodolite used
1417	Urakõnda, XXXII Mallappakõnda Nãgasamudram Fort	h.s.	4° 7' 85 77 9 4° 3' 66 88 9 4° 8' 75 01 1	61063 23275 74991	11 565 4 408 14 203	" 10	Theodolite used
1418	Palkõnda Pipád Pulivõndla Temple (helio.)	No. 1 h.s.	4° 5' 60 45 1 4° 9' 14 54 7 4° 9' 15 79 8	37107 82139 82376	7 028 15 557 15 601	10	Theodolite used
1419	Palkõnda Yerrakõnda Pulivõndla Temple (helio.)	No. 1 h.s.	4° 8' 13 62 4 4° 9' 14 54 7 5° 08' 07 43	65106 82139 120432	12 331 15 557 22 809	" 10	Theodolite used
1420	Palkõnda Yerrakõnda Mallela Mark (helio.)	No. 1 h.s.	4° 10' 27 10 5° 07 49 56 5° 08' 07 43	12668 118838 120432	2 399 22 507 22 809	" 10	Theodolite used
1421	Palkõnda Pipád Mallela Mark (helio.)	No. 1 h.s.	5° 0' 38 79 2 5° 07 49 56 4° 9' 15 79 8	100343 118838 82376	20 709 22 507 15 601	" 10	Theodolite used
1422	Avuladevarakõnda Mallappakõnda Palkõnda	h.s.	5° 0' 36 70 5° 00 45 84 5° 08 11 22	107317 101061 120537	20 325 19 140 22 829	C.T.I. " 10	Theodolite used

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1428	Pálkönda Mallappakönda Pipád	No. 2 h.s. " "	5°10'33.7 4°9'15.6 5°0'30.6	12866 8231 10737	24.361 15.593 20.325	1435	Urakönda, XXXII Ávuladevarakönda Dampetla	38°5'16 65°14'5 76°40'39	4°88'21.80 5°05'00.89 5°08'01.41	76240 112225 120265	14.439 21.255 22.778	Inch C.T.I. " "
1424	Mallappakönda Pipád Innaglúr Hill Staff	h.s. " "	5°04'77.50 5°07'42.96 5°10'93.7	111622 118658 128626	21.141 22.473 24.361	1436	Ávuladevarakönda Pédda Kotla Dampetla	48°51'29 72°45'10 58°23'21	4°77'90.03 4°88'21.80 4°83'24.11	60118 76240 67985	11.386 14.439 12.876	" " "
1425	Pipád Innaglúr Hill Staff Isvaramalai	h.s. " "	4°9'66.269 5°09'15.11 5°04'77.50	92527 123456 111622	17.524 23.382 21.141	1437	Ávuladevarakönda Pálkönda Dampetla	28°10'39 46°45'28 105°3'53	4°69'39.02 4°88'21.80 5°00'45.84	49420 76240 101061	9.360 14.439 19.140	" " "
1426	Innaglúr Hill Staff Isvaramalai Kunnakönda	h.s. " "	4°9'60.970 5°08'92.27 4°9'66.269	91405 122808 92527	17.312 23.259 17.524	1438	Pálkönda Dampetla Tadmari Fort	56°35'11 70°24'40 "	4°71'30.79 4°70'56.47 4°69'39.02	51651 58297 49420	9.782 11.041 9.360	" " "
1427	Isvaramalai Kunnakönda Rajénmalle	h.s. " "	5°12'09.45 5°01'63.08 4°33'34.7	132113 103826 91405	25.021 19.664 17.312	1439	Pálkönda Pédda Kotla Tadmari Fort	22°49'50 112°12'59 "	4°38'79.87 4°70'56.47 4°648.276	24434 58297 44491	4.628 11.041 8.426	" " "
1428	Rajénmalle Kunnakönda Tumakönda	h.s. " "	5°02'74.83 5°03'36.8 5°12'09.45	106533 108058 132113	20.177 20.466 25.021	1440	Pálkönda Pédda Kotla Budampalli Fort	38°36'58 14°27'57 "	4°54'07.13 4°143.057 4°648.276	34731 13901 44491	6.578 2.633 8.426	" " "
† 1429	Kunnakönda Tumakönda Adavi Avalpalli	h.s. " "	4°9'80.609 5°07'29.41 5°02'74.83	95633 118288 106533	18.112 22.403 20.177	1441	Pédda Kotla Dampetla Budampalli Fort	39°26'30 33°31'51 "	4°60'14.45 4°54'07.13 4°77'90.03	39943 34731 60118	7.565 6.578 11.386	" " "
1430	Mallappakönda Pálkönda Pédda Kotla	h.s. " "	20°13'34 103°16'12 56°30'14	44491 125254 107317	8.426 23.722 20.325	1442	Pálkönda Pédda Kotla Dóddiavulamalai Hill Mark	96°40'45 58°45'21 "	5°02'65.12 4°90'14.18 4°648.276	106295 91499 44491	20.132 17.329 8.426	" " "
1431	Ávuladevarakönda Mallappakönda Pédda Kotla	h.s. " "	77°48'10 32°2'27 70°9'23	125254 67985 120537	23.722 12.876 22.829	1443	Urakönda, XXXII Mallappakönda Dóddiavulamalai Hill Mark	14°29'8 91°19'22 "	4°28'99.31 4°89'16.40 4°87'50.11	19495 77918 74991	3.692 14.757 14.203	" " "
1432	Pálkönda Pédda Kotla Yéllanúr Fort	No. 2 h.s. " "	56°48'50 89°21'2 4°648.276	66871 79899 44491	12.665 15.132 8.426	1444	Ávuladevarakönda Pédda Kotla Singanamalai Fort	87°26'37 53°46'11 "	5°03'51.11 4°942.228 4°832.411	108420 87544 67985	20.534 16.580 12.876	" " "
1433	Pálkönda Pédda Kotla Dáditota Fort	No. 2 h.s. " "	20°18'7 65°42'4 4°648.276	15475 40649 44491	2.931 7.099 8.426	1445	Ávuladevarakönda Pédda Kotla Chaid Fort	79°47'28 19°51'42 "	4°83'16.73 4°309.763 4°832.411	67869 23430 67985	12.854 4.437 12.876	" " "
1434	Pálkönda Pédda Kotla Parnapalle Fort	No. 2 h.s. " "	19°29'19 36°14'4 4°648.276	17963 31826 44491	3.402 6.028 8.426	1446	Ávuladevarakönda Pálkönda Chaid Fort	100°28'18 12°20'22 "	5°032.659 4°309.763 5°004.584	107810 23430 101061	20.419 4.437 19.140	" " "

\* For another triangle to this station, see the Synoptical Volume of the Madras Meridional and Coset Series.  
† The continuation of the triangulation will be found in the Synoptical Volume of the Madras Longitudinal Series.



No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used		
			Log. feet	Feet	Miles				Log. feet	Feet	Miles			
1447	Ávuladevarakönda Dampetla Pédda Kotla Fort	h.s. " "	39 53 29 67 39 24	4' 709961 4' 866981 4' 882180	51281 73957 76240	9' 712 14' 007 14' 439	1459	Isvaramalai Saikalkönda Gödduvelagala	h.s. " "	87 26 15 29 59 55 62 33 50	5' 063907 4' 763294 5' 012522	115853 57982 102925	21' 942 10' 981 19' 493	Inch C.T.I. "
1448	Pédda Kotla Dampetla Pédda Kotla Fort	h.s. " "	40 59 3 9 16 3	4' 709961 4' 100101 4' 779003	51281 12592 60118	9' 712 2' 385 11' 386	1460	Isvaramalai Dikúnraidu Hill Pagoda Gödduvelagala	h.s. " "	65 22 47 80 35 31	4' 974021 4' 763294 5' 009533	94193 57982 102219	17' 840 10' 981 19' 360	"
1449	Pédda Kotla Dampetla Chinna Kotla Fort	h.s. " "	46 19 31 15 10 51	4' 694381 4' 253159 4' 779003	49474 17913 60118	9' 370 3' 393 11' 386	1461	Innaglúr Hill Staff Devarakönda No. 3 Gödduvelagala	h.s. " "	46 13 46 70 18 15	4' 907943 4' 814885 4' 930097	80899 65296 85133	15' 322 12' 367 16' 124	"
1450	Pálkönda Dampetla Gudankönda Hill Pillar	No. 2 " "	59 1 39 45 28 16	4' 641148 4' 560985 4' 693902	43767 36390 49420	8' 289 6' 892 9' 360	1462	Pípád Innaglúr Hill Staff Gödduvelagala	h.s. " "	32 53 49 111 48 7	4' 814885 4' 841813 5' 047750	65296 69473 111622	12' 367 13' 158 21' 141	"
1451	Ávuladevarakönda Dampetla Gudankönda Hill Pillar	h.s. " "	34 54 39 59 35 37	4' 641148 4' 819261 4' 882180	43767 65957 76240	8' 289 12' 492 14' 439	1463	Devarakönda No. 3 Gödduvelagala Kúttagulla Fort	h.s. " "	14 22 10 38 27 39	4' 401321 4' 800342 4' 907943	25195 63145 80899	4' 772 11' 959 15' 322	"
1452	Ávuladevarakönda Dampetla Dampetla Fort	h.s. " "	10 23 23 54 47 5	4' 180389 4' 836508 4' 882180	15149 68629 76240	2' 869 12' 998 14' 439	1464	Devarakönda No. 3 Gödduvelagala Dönnikotakönda	h.s. " "	54 7 23 46 57 9 78 55 28	4' 824741 4' 779899 4' 907943	66795 60242 80899	12' 650 11' 409 15' 322	"
1453	Pálkönda Dampetla Malakönda Hill Mark	No. 2 " "	29 30 22 118 23 0	4' 660775 4' 912732 4' 693902	45790 81796 49420	8' 672 15' 492 9' 360	1465	Pálkönda Devarakönda No. 3 Dorigal Fort	No. 2 " "	22 7 36 10 24 50	4' 743214 4' 424366 4' 897969	55362 20568 79062	10' 485 5' 032 14' 974	"
1454	Urakönda, XXXII Dampetla Malakönda Hill Mark	h.s. " "	23 55 53 59 52 28	4' 660775 4' 980612 5' 050089	45790 97636 112225	8' 672 18' 492 21' 255	1466	Yérrakönda Pálkönda Vulimela Hill Pagoda	h.s. " "	44 32 55 23 29 7	4' 959409 4' 713815 5' 080642	91077 51739 120404	17' 249 9' 799 22' 804	"
1455	Mallappakönda Innaglúr Hill Staff Devarakönda No. 3	h.s. " "	45 38 56 94 40 59	4' 930097 4' 880800 5' 074296	85133 75998 118658	16' 124 14' 393 22' 473	1467	Saikalkönda Gödduvelagala Kadiri Hill Pagoda	h.s. " "	10 37 32 40 25 44	4' 438808 4' 984983 5' 063907	27467 96601 115853	5' 202 18' 296 21' 942	"
1456	Mallappakönda Pálkönda Devarakönda No. 3	h.s. " "	47 23 46 45 2 1 87 34 13	4' 807969 4' 880800 5' 030670	79062 75998 107317	14' 974 14' 393 20' 325	1468	Devarakönda No. 3 Gödduvelagala Kadiri Hill Pagoda	h.s. " "	19 44 24 64 24 39	4' 438808 4' 865375 4' 907943	27467 73346 80899	5' 202 13' 891 15' 322	"
1457	Isvaramalai Kunnakönda Saikalkönda	h.s. " "	40 47 12 78 40 0 60 32 48	4' 836150 5' 012522 4' 960970	68573 10295 91405	12' 987 19' 493 17' 312	1469	Isvaramalai Saikalkönda Motikamamalai Hill Pagoda	h.s. " "	60 17 44 52 58 52	4' 988208 4' 951632 5' 012522	97321 89461 102925	18' 432 16' 943 19' 493	"
1458	Isvaramalai Rajénmalle Dikúnraidu Hill Pagoda	h.s. " "	81 28 38 48 44 33	5' 128635 5' 009533 5' 016308	134473 102219 103826	25' 468 19' 360 19' 664	1470	Isvaramalai Kunnakönda Motikamamalai Hill Pagoda	h.s. " "	19 30 32 76 40 2	4' 487184 4' 951632 4' 960970	30703 89461 91405	5' 815 16' 943 17' 312	"

\* Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles		
1471	Pípád Gödduvelagala Vélikönda	h.s. " " " "	4.717337 4.620507 4.841813	52160 41736 69473	9.879 7.904 13.158	1483	Pípád Vélikönda Pálagiri Turret	h.s. " " " "	4.939300 5.025987 4.620507	86956 106166 41736	16.469 20.107 7.904	Inch C.T.I. " "	
1472	Pípád Yérrakönda Vélikönda	h.s. " " " "	5.023335 4.620507 5.008854	105520 41736 102060	19.985 7.904 19.329	1484	Pípád Vélikönda Midipéntla Fort	h.s. " " " "	4.360677 4.701472 4.620507	22944 50289 41736	4.346 9.524 7.904	" " " " " "	
1473	Pípád Vélikönda Kannikallakönda	h.s. " " " "	4.477795 4.625825 4.620507	30047 42250 41736	5.691 8.002 7.904	1485	Pípád Vélikönda Kurli Fort	h.s. " " " "	4.452020 4.347465 4.620507	28315 22257 41736	5.363 4.215 7.904	" " " " " "	
1474	Gödduvelagala Vélikönda Kannikallakönda	h.s. " " " "	4.477795 4.445758 4.717337	30047 27910 52160	5.691 5.286 9.879	1486	Isavaramalai Rajénmalle Vélichalmalai Hill Mark	h.s. " " " "	5.063732 4.547111 5.016308	115806 35246 103826	21.933 6.675 19.664	" " " " " "	
1475	Gödduvelagala Vélikönda Bandlapallakönda Hill Pillar	h.s. " " " "	4.314407 4.547309 4.745377	20626 35262 52160	3.906 6.678 9.879	1487	Isavaramalai Gödduvelagala Vélichalmalai Hill Mark	h.s. " " " "	4.622847 4.547111 4.763294	41961 35246 57982	7.947 6.675 10.981	" " " " " "	
1476	Pípád Gödduvelagala Bandlapallakönda Hill Pillar	h.s. " " " "	4.547309 4.745377 4.841813	35262 55639 69473	6.678 10.538 13.158	1488	Isavaramalai Kunnakönda Sádkönda	h.s. " " " "	4.803447 4.832427 4.960970	63599 67987 91405	12.045 12.876 17.312	" " " " " "	
1477	Isavaramalai Gödduvelagala Bandlapallakönda Hill Pillar	h.s. " " " "	4.547309 4.858333 4.763294	35262 72166 57982	6.678 13.668 10.981	1489	Isavaramalai Rajénmalle Sádkönda	h.s. " " " "	4.837229 4.832427 5.016308	68743 67987 103826	13.020 12.876 19.664	" " " " " "	
1478	Vélikönda Kannikallakönda Talupula	h.s. " " s.	4.202654 4.195079 4.477795	15946 15670 30047	3.020 2.968 5.691	1490	Isavaramalai Vélichalmalai Hill Mark Arved	h.s. " " s.	4.913537 4.832962 4.547111	81948 68071 35246	15.520 12.892 6.675	" " " " " "	
1479	Vélikönda Bandlapallakönda Hill Pillar Talupula	h.s. " " s.	4.069129 4.195079 4.314407	11725 15670 20626	2.221 2.968 3.906	1491	Isavaramalai Sádkönda Arved	h.s. " " s.	4.685363 4.832962 4.832427	48458 68071 67987	9.178 12.892 12.876	" " " " " "	
1480	Pálkönda Pípád Pulivéndla Pagoda	No. 2 h.s. " " " "	4.514791 4.893193 4.915562	32718 78197 82331	6.197 14.810 15.593	1492	Isavaramalai Sádkönda Péddaballi Fort	h.s. " " " "	4.626701 4.427986 4.832427	42335 26791 67987	8.018 5.074 12.876	" " " " " "	
1481	Pípád Vélikönda Pulivéndla Pagoda	h.s. " " " "	4.734031 4.514791 4.620507	54204 32718 41736	10.266 6.197 7.904	1493	Isavaramalai Gödduvelagala Tummala Hill Pillar	h.s. " " " "	4.956171 4.967107 4.763294	90400 92706 57982	17.121 17.558 10.981	" " " " " "	
1482	Pípád Vélikönda Pulivéndla Fort	h.s. " " " "	4.730073 4.578161 4.620507	53712 37858 41736	10.173 7.170 7.904	1494	Isavaramalai Kunnakönda Tummala Hill Pillar	h.s. " " " "	4.956332 4.967107 4.960970	90434 92706 91405	17.128 17.558 17.312	" " " " " "	

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1495	Isvaramalai Rajénmalle Nélkurti	55 44 48 78 29 45 45 45 27	5°07'8.429 5°15'23.343 5°01'6.308	119792 142018 103826	22.688 26.807 19.664	1507	Isvaramalai Kunnakönda Yéllutladurga Tree	62 30 21 68 32 27	5°03'14.50 5°05'22.98 4°9'6.0970	107510 112797 91405	20.362 21.363 17.312	Inch C.T.I. "
1496	Isvaramalai Nélkurti Vandádi	46 52 3 54 56 16	5°02'48.17 5°07'46.61 5°15'23.43	105881 118758 142018	20.053 22.492 26.897	1508	Isvaramalai Rajénmalle Yéllutladurga Tree	22 24 47 90 35 57	4°63'35.66 5°05'22.98 5°01'6.308	43010 112797 103826	8.146 21.363 19.664	" " "
1497	Isvaramalai Dikúnraidu Hill Pagoda Rájupalli	14 9 7 128 47 56	4°50'6.069 4°89'7.758 5°00'9.533	32068 79024 102219	6.073 14.967 19.360	1509	Isvaramalai Kunnakönda Midimalapkönda Platform	55 44 50 77 53 21	5°01'8.667 5°09'16.16 4°9'6.0970	104392 123486 91405	19.771 23.387 17.312	" " "
1498	Isvaramalai Vandádi Rájupalli	58 26 46 80 31 53	5°01'11.134 4°89'7.758 5°07'46.61	102597 79024 118758	19.431 14.967 22.492	1510	Isvaramalai Rajénmalle Midimalapkönda Platform	29 10 18 93 47 56	4°78'04.82 5°09'16.16 5°01'6.308	60323 123486 103826	11.425 23.387 19.664	" " "
1499	Dikúnraidu Hill Pagoda Rájupalli Kumáralakva	14 46 50 124 22 9	4°40'50.30 3°99'6.136 4°50'6.069	25411 9911 32068	4.813 1.877 6.073	1511	Kunnakönda Tumakönda Gurrunkönda	19 43 31 74 9 44 86 6 45	4°55'6.771 5°01'6.76 5°02'7.483	36039 102725 106533	6.826 19.455 20.177	" " "
1500	Vandádi Rájupalli Kumáralakva	135 53 21 35 47 1	4°40'50.30 5°08'8.22 5°01'11.134	25411 122130 102597	4.813 23.131 19.431	1512	Kunnakönda Tumakönda Yérrakönda Hill Platform	20 55 22 44 54 1	4°62'01.54 4°9'16.081 5°02'7.483	41702 82429 106533	7.898 15.612 20.177	" " "
1501	Mallappakönda Innágúr Hill Staff Amgundpálayam	33 38 53 119 8 16	4°87'6.638 4°79'32.75 5°07'42.96	75273 62126 118658	14.256 11.766 22.473	1513	Tumakönda Gurrunkönda Yérrakönda Hill Platform	29 15 43 90 57 35	4°30'9.349 4°62'01.54 4°55'6.771	20387 41702 36039	3.861 7.898 6.826	" " "
1502	Mallappakönda Amgundpálayam Péddapáli Fort	27 4 48 92 1 51	4°51'01.58 4°85'16.50 4°79'32.75	32371 71064 62126	6.131 13.459 11.766	1514	Kunnakönda Tumakönda Gatdrug	60 7 0 26 41 1 93 11 59	4°9'6.6201 4°68'04.69 5°02'7.483	92513 47915 106533	17.521 9.075 20.177	" " "
1503	Mallappakönda Amgundpálayam Pútaparti Fort	21 51 18 17 35 40	4°56'10.75 4°47'06.36 4°79'32.75	36398 29555 62126	6.894 5.598 11.766	1515	Tumakönda Adavi Ávalpalli Mudimadagu Hill Platform	18 44 49 50 9 51	4°51'7.748 4°89'6.011 4°98'6.069	32942 78707 95633	6.239 14.907 18.112	" " "
1504	Mallappakönda Amgundpálayam Yénúmulapalle Fort	16 52 13 24 2 16	4°43'98.42 4°58'70.91 4°79'32.75	27532 38645 62126	5.214 7.319 11.766	1516	Tumakönda Gatdrug Mudimadagu Hill Platform	25 57 30 57 44 20	4°61'00.28 4°89'6.011 4°96'6.201	40741 78707 92513	7.716 14.907 17.521	" " "
1505	Isvaramalai Rajénmalle Rekalakönda Hill Platform	12 30 39 60 51 54	4°37'05.58 4°97'6.101 5°01'6.308	23472 94646 103826	4.446 17.925 19.664	1517	Tumakönda Gatdrug Pulikönda	21 2 26 23 14 41 135 42 53	4°67'7.331 4°718.424 4°96'6.201	47570 52291 92513	9.009 9.904 17.521	" " "
1506	Isvaramalai Kunnakönda Rekalakönda Hill Platform	72 24 29 55 9 33	5°04'10.94 4°97'6.101 4°90'9.70	10924 94646 91405	20.819 17.925 17.312	1518	Kunnakönda Gatdrug Pulikönda	54 43 36 69 57 18 55 19 6	4°67'7.331 4°738.86 4°68'04.69	47570 54738 47915	9.009 10.367 9.075	" " "

\* For two other triangles to this station, see the Synoptical Volume of the Madras Meridional and Coast Series, by which the value of the common side was greater by 3 feet.  
† For another triangle to this station, see the Synoptical Volume of the Madras Meridional and Coast Series, by which the value of the common side was less by 1 foot.

SECONDARY TRIANGULATION. TRIANGLES.

Triangle No.	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used		
			Log. feet	Feet	Miles				Log. feet	Feet	Miles			
1519	Gatdrug	h.s.	68 32 25	4 653935	45075	8 537	KURNOOL-CUDDAPAH MINOR SERIES.	114 7 22	5 390119	245538	46 503	Inch 86		
	Pulikōnda	"	32 17 27	4 412855	25873	4 900		"	31 39 37	5 149866	141210		26 744	"
	Batiapur Fort	"		4 677331	47570	9 009		"	34 13 1	5 179795	151285		28 652	"
1520	Kunnakōnda	h.s.	53 4 2	4 653935	45075	8 537	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Pulikōnda	"	23 1 39	4 343572	22058	4 178		"	41 42 35	5 229122	169481		32 099	"
	Batiapur Fort	"		4 738286	54738	10 367		"	74 34 3	5 390119	245538		46 503	"
1521	Kunnakōnda	h.s.	54 44 1	4 975916	94605	17 918	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Tumakōnda	"	58 25 33	4 994393	98717	18 696		"	41 42 35	5 229122	169481		32 099	"
	Sunnakal	"		5 027483	106533	20 177		"	74 34 3	5 390119	245538		46 503	"
1522	Tumakōnda	h.s.	12 57 47	4 332417	21499	4 072	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Adavi Avalpalli	"	80 47 44	4 975916	94605	17 918		"	41 42 35	5 229122	169481		32 099	"
	Sunnakal	"		4 980609	95633	18 112		"	74 34 3	5 390119	245538		46 503	"
1523	Kunnakōnda	h.s.	30 7 12	4 792577	62026	11 747	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Tumakōnda	"	29 24 31	4 783147	60694	11 495		"	41 42 35	5 229122	169481		32 099	"
	Yēnnēgamalai Hill Mark	"		5 027483	106533	20 177		"	74 34 3	5 390119	245538		46 503	"
1524	Tumakōnda	h.s.	41 58 49	4 810271	64606	12 236	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Adavi Avalpalli	"	39 57 14	4 792577	62026	11 747		"	41 42 35	5 229122	169481		32 099	"
	Yēnnēgamalai Hill Mark	"		4 980609	95633	18 112		"	74 34 3	5 390119	245538		46 503	"
1525	Tumakōnda	h.s.	32 14 24	4 734148	54219	10 269	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Adavi Avalpalli	"	37 58 21	4 796115	62534	11 844		"	41 42 35	5 229122	169481		32 099	"
	Tēt	"	109 47 15	4 980609	95633	18 112		"	74 34 3	5 390119	245538		46 503	"
1526	Kunnakōnda	h.s.	34 13 32	4 796115	62534	11 844	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Tumakōnda	"	39 8 56	4 846291	70193	13 294		"	41 42 35	5 229122	169481		32 099	"
	Tēt	"	106 37 32	5 027483	106533	20 177		"	74 34 3	5 390119	245538		46 503	"
1527	Tumakōnda	h.s.	47 23 51	4 748786	56077	10 621	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Tēt	"	7 46 9	4 012789	10299	1 951		"	41 42 35	5 229122	169481		32 099	"
	Chinna Tēppasamudram Pagoda	"		4 796115	62534	11 844		"	74 34 3	5 390119	245538		46 503	"
1528	Tumakōnda	h.s.	20 46 30	4 664865	46224	8 754	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Adavi Avalpalli	"	26 26 5	4 763538	58015	10 988		"	41 42 35	5 229122	169481		32 099	"
	Metamāri Hill Platform	"		4 980609	95633	18 112		"	74 34 3	5 390119	245538		46 503	"
1529	Kunnakōnda	h.s.	37 44 58	4 923812	83910	15 892	KURNOOL-CUDDAPAH MINOR SERIES.	63 43 22	5 358696	228400	43 258	Inch 86		
	Adavi Avalpalli	"	82 35 29	5 133271	135916	25 742		"	41 42 35	5 229122	169481		32 099	"
	Vadankōnda Platform*	"		5 072941	118288	22 403		"	74 34 3	5 390119	245538		46 503	"

\* For another triangle to this point, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was greater by 7 feet.  
 † The continuation of the triangulation will be found in the Synoptical Volume of the Madras Meridional and Coast Series. ‡ Deduced base.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1540	Rámavaram Gandikot Vamikonda Hill Platform	46 0 49 76 41 2	5' 21' 70.45 5' 34' 8.75 5' 28' 50.83	164833 222934 192790	31.218 42.222 36.513	1552	Gandikot Nallakonda Tadpatri Pagoda No. 1	15 9 12 44 41 37	4' 58' 25.03 5' 01' 23.42 5' 10' 20.51	38239 102883 126488	7.242 19.485 23.956	Inch C.T.I.
1541	Rámavaram Gandikot Nösam Hill Platform	22 34 47 37 16 1	4' 93' 25.22 5' 13' 03.61 5' 28' 50.83	85609 135009 192790	16.214 25.570 36.513	1553	Nallakonda Chintalapalli Tadpatri Pagoda No. 1	99 37 7 34 12 42	4' 82' 6.424 4' 58' 25.03 4' 69' 07.46	67054 38239 49062	12.700 7.242 9.292	"
1542	Rámavaram Gandikot Alavakonda	20 6 5 11 20 59 148 32 56	5' 10' 37.61 4' 86' 16.22 5' 28' 50.83	126988 72715 192790	24.051 13.772 36.513	1554	Nallakonda Chintalapalli Tadpatri Pagoda No. 2	102 54 2 33 38 19 4' 09' 07.46	4' 84' 21.44 4' 59' 67.19 4' 09' 07.46	69525 39511 49062	13.168 7.483 9.292	"
1543	Hauhoballam Gandikot Alavakonda	36 42 23 57 10 1 86 7 36	5' 10' 37.61 5' 25' 16.78 5' 32' 62.74	126988 178516 211970	24.051 33.810 40.146	1555	Pálkonda Nallakonda Bédudúr	32 45 6 54 57 48 92 17 6	4' 86' 6.109 5' 04' 60.82 5' 13' 25.67	73470 111194 135696	13.915 21.060 25.700	"
1544	Rámavaram Alavakonda Koilkuntia Fort	35 40 58 76 7 14	4' 65' 97.47 4' 88' 09.88 4' 86' 16.22	45682 76031 72715	8.652 14.400 13.772	1556	Nallakonda Chintalapalli Bédudúr	43 14 3 95 4 13 41 41 44	4' 70' 34.90 4' 86' 6.109 4' 69' 07.46	50523 73470 49062	9.569 13.915 9.292	"
1545	Rámavaram Alavakonda Gudupád Hill Platform	65 18 7 60 53 55	4' 91' 31.09 4' 89' 6.166 4' 86' 16.22	81867 78735 72715	15.505 14.912 13.772	1557	Gandikot Nallakonda Kodúr Fort	17 18 33 18 2 44	4' 81' 31.72 4' 83' 06.89 5' 10' 20.51	65039 67716 126488	12.318 12.825 23.956	"
1546	Pálkonda Gandikot Nallakonda	53 36 57 59 43 48 66 39 15	5' 10' 20.51 5' 13' 25.07 5' 15' 9.128	126488 135096 144254	23.956 25.700 27.321	1558	Nallakonda Bédudúr Kodúr Fort	29 44 11 62 13 6	4' 56' 18.52 4' 81' 31.72 4' 86' 6.109	36463 65039 73470	6.906 12.318 13.915	"
1547	Ávuladevarakonda Pálkonda Nallakonda	74 12 8 60 1 15 45 46 37	5' 13' 25.07 5' 08' 69.11 5' 00' 45.94	135096 122155 101061	25.700 23.135 19.140	1559	Gandikot Nallakonda Bhanukotakonda Hill Mark	76 59 41 18 33 16	5' 09' 28.06 4' 06' 67.99 5' 10' 20.51	123824 40439 126488	23.452 7.659 23.956	"
1548	Pálkonda Gandikot Chintalapalli	47 7 29 37 30 38 95 21 53	5' 02' 60.42 4' 94' 55.86 5' 15' 9.128	106180 88224 144254	20.110 16.709 27.321	1560	Pálkonda Nallakonda Bhanukotakonda Hill Mark	60 5 51 48 5 59	5' 09' 28.06 5' 02' 66.02 5' 13' 25.67	123824 106317 135696	23.452 20.136 25.700	"
1549	Gandikot Nallakonda Chintalapalli	22 13 10 54 55 30 102 51 20	4' 69' 07.46 5' 02' 60.42 5' 10' 20.51	49062 106180 126488	9.292 20.110 23.956	1561	Gandikot Nallakonda Mallela Hill Mark	111 56 58 19 28 36	5' 19' 44.20 4' 75' 00.96 5' 10' 20.51	156466 56247 126488	29.634 10.653 23.956	"
1550	Rámavaram Alavakonda Abdullapuram Hill Platform	41 21 1 98 33 23	4' 87' 26.91 5' 04' 78.52 4' 86' 16.22	74592 111048 72715	14.127 21.146 13.772	1562	Pálkonda Nallakonda Mallela Hill Mark	75 39 30 47 10 39	5' 19' 44.20 5' 07' 35.48 5' 13' 25.67	156466 118454 135696	29.634 22.434 25.700	"
1551	Nallakonda Chintalapalli Abdullapuram Hill Platform	105 18 3 46 45 48	5' 00' 43.79 4' 88' 25.00 4' 69' 07.46	101013 76296 49062	19.131 14.450 9.292	1563	Pálkonda Chintalapalli Pédá Kotla	33 51 10 25 47 51 120 20 59	4' 75' 55.00 4' 04' 82.76 4' 94' 55.86	56951 44491 88224	10.786 8.426 16.709	"

\* Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	
		o	'	"	Log. feet	Feet	Miles				Log. feet	Feet	Miles					
1564	Chintalapalli Pēda Kotla Etūr Pagoda	h.s.	126	45	3	5°06'57"	106311	20.135	1576	Nallakōnda Chintalapalli Chūktalūr Pagoda	h.s.	122	59	37	4°89'17"	79099	14.981	Inch C.T.I.
1565	Pālkōnda Chintalapalli Etūr Pagoda	No. 2 h.s.	100	57	12	4°56'83.16"	117035	22.166	1577	Nallakōnda Chintalapalli Virapuram Fort	h.s.	73	45	38	4°79'50.48"	62510	11.839	"
1566	Pālkōnda Devarakōnda No. 8 Pamudurti Turret	No. 2 h.s.	84	45	16	4°03'62.0"	80098	15.170	1578	Nallakōnda Chintalapalli Shanagalagūdtūr Fort	h.s.	47	48	38	4°58'14.72"	38148	7.225	"
1567	Pālkōnda Pēda Kotla Pamudurti Turret	No. 2 h.s.	132	27	31	5°06'39.3"	114919	21.795	1579	Nallakōnda Chintalapalli Gaṇpet Hill Pagoda	h.s.	30	1	0	4°62'07.92"	42638	8.075	"
1568	Pēda Kotla Dampetla Kōdavēndlapalli Fort	h.s.	34	12	15	4°53'79.1"	34498	6.534	1580	Pushpagiri Lankamalai Pēddabod Hill Platform	h.s.	46	38	1	4°73'77.20"	54666	10.353	"
1569	Pālkōnda Pēda Kotla Kōdavēndlapalli Fort	No. 2 h.s.	73	44	58	4°03'13.57"	42791	8.104	1581	Pushpagiri Lankamalai Kēshavapuram Hill Platform	h.s.	52	27	42	4°73'02.32"	54479	10.318	"
1570	Pālkōnda Chintalapalli Nittūr Pagoda	No. 2 h.s.	18	50	51	4°47'16.61"	29625	5.611	1582	Lankamalai Gānugapēnta Nandīampet Hill Pagoda	h.s.	96	47	4	5°05'14.08"	112566	21.319	"
1571	Nallakōnda Chintalapalli Nittūr Pagoda	h.s.	24	47	24	4°47'16.61"	29625	5.611	1583	Pipād Ānaimalai Mōpur	h.s.	19	7	14	4°70'27.26"	50434	9.552	"
1572	Pālkōnda Chintalapalli Āntālamagūdtūr Hill Platform	No. 2 h.s.	43	0	34	4°82'26.98"	66481	12.591	1584	Pipād Yērrakōnda Mōpur	h.s.	17	12	59	4°49'06.68"	31548	5.975	"
1573	Pālkōnda Pipād Āntālamagūdtūr Hill Platform	No. 2 h.s.	66	25	26	4°91'68.83"	82581	15.640	1585	Pushpagiri Ānaimalai Valasapalli	h.s.	33	45	6	4°77'13.7"	59175	11.207	"
1574	Nallakōnda Chintalapalli Āvulatēppāpalli Pagoda	h.s.	105	23	21	4°92'43.5"	85003	16.099	1586	Lankamalai Ānaimalai Wāmkōnda	h.s.	23	14	8	4°83'59.48"	68541	12.981	"
1575	Gōdḍuvelagala Vēllikōnda Vepamānīpet Turret	h.s.	11	18	23	4°01'01.15"	10236	1.939	1587	Ānaimalai Valasapalli Wāmkōnda	h.s.	25	13	12	4°46'74.87"	29342	5.557	"

† This base is taken from the Synoptical Volume of the Madras Meridional and Coast Series.

No. of Triangle	Station	Corrected Plane Angle	Distance		Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance		Theodolite used
			Log. feet	Feet					Log. feet	Feet	
1588	Ānaimalai Wāmkōnda Uppulūr Hill Platform	17 56 52 59 46 34	4 334756 4 782540 4 835948	21615 60609 68541	4 094 11 479 12 981	1600	Lankamalai Pallakōnda Hill Platform Pushpagiri	59 50 37 80 21 20	4 893089 4 762508 4 950063	78179 57877 89138	Inch C.T.I. "
1589	Ānaimalai Valaspalli Uppulūr Hill Platform	43 10 4 70 9 0	4 644285 4 782540 4 772137	44084 60609 59175	8 349 11 479 11 207	1601	Pallakōnda Hill Platform Pushpagiri Rāmapuram	66 11 39 73 31 3	4 721972 4 872695 4 893089	52720 73593 78179	"
1590	Ānaimalai Wāmkōnda Prōddutūr Pagoda	29 56 31 114 16 5	4 797135 5 028748 4 835948	58497 106843 68541	11 079 20 236 12 981	1602	Pushpagiri Rāmapuram Appurāpalli Hill Platform	52 44 39 77 53 44	4 742714 4 832069 4 721972	55299 67931 52720	"
1591	Vālasapalli Wāmkōnda Kālamalla Hill Platform	52 11 58 85 43 41	4 539075 4 640158 4 467487	34600 43667 29342	6 553 8 270 5 557	1608	Pushpagiri Rāmapuram Yadavapuram	29 50 11 30 45 16 119 24 33	4 478701 4 490613 4 721972	30109 30947 52720	"
1592	Ānaimalai Wāmkōnda Kālamalla Hill Platform	11 35 11 144 58 8	4 539075 4 995141 4 835948	34600 988 7 68541	6 553 18 729 12 981	1604	Rāmapuram Yadavapuram Takkol Hill Peak	26 38 20 136 22 32	4 664757 4 851928 4 478701	46212 71110 30109	"
1593	Lankamalai Wāmkōnda Chintāgunta	8 9 50 132 25 22 39 24 48	4 588358 5 304221 5 238767	38758 201475 173287	7 340 38 158 32 820	1605	Pushpagiri Rāmapuram Takkol Hill Peak	76 28 56 57 23 36	4 851928 4 789642 4 721972	71110 61609 52720	"
1594	Pushpagiri Ānaimalai Kawalāpuram	32 56 14 14 6 4	4 897706 4 549068 5 026729	79014 35405 106348	14 965 6 706 20 142	1606	Pushpagiri Rāmapuram Cuddapah Mosque	56 2 16 54 35 20	4 669512 4 661910 4 721972	46721 45910 52720	"
1595	Ānaimalai Nēlikurti Pēda Chēppalli Pagoda	91 38 34 37 27 57	4 964906 4 749194 4 854919	92237 56130 71601	17 469 10 631 13 561	1607	Pushpagiri Yadavapuram Cuddapah Mosque	26 12 5 116 48 56	4 356278 4 661910 4 490613	22713 45910 30947	"
1596	Ānaimalai Nēlikurti Vempalli Hill Pagoda	56 34 14 28 55 30	4 777723 4 540806 4 854919	59941 34738 71601	11 352 6 579 13 561	1608	Rāmapuram Yadavapuram Chintākōmudinne Hill Platform	64 25 16 61 34 44	4 525946 4 514966 4 478701	33570 32732 30109	"
1597	Rājēnmalle Nēlikurti Vempalli Hill Pagoda	21 45 46 110 25 21	4 777723 5 180431 5 078429	59941 151506 119792	11 352 28 694 22 688	1609	Ivanramalai Nēlikurti Bujāmmalai Stone†	38 14 8 40 38 16	4 952202 4 974348 5 152343	89578 94264 142018	"
1598	Ānaimalai Nēlikurti Dikūnraidu Hill Pagoda	59 57 4 51 57 42	4 824803 4 783791 4 854919	66804 60784 71601	12 652 11 512 13 561	1610	Rājēnmalle Tumakōnda Kāuchbanda Hill Platform	98 1 1 23 56 57	4 952202 4 713524 5 033658	89578 51704 108058	"
1599	Lankamalai Nēlikurti Pallakōnda Hill Platform†	32 27 26 27 45 10	5 011705 4 950063 5 220442	102732 89138 166128	19 457 16 882 31 464	1610	Rājēnmalle Tumakōnda Kāuchbanda Hill Platform	98 1 1 23 56 57	5 100812 4 713524 5 033658	126128 51704 108058	"

\* Deduced base. † For two other triangles to this point, see the Synoptical Volume of the Madras Meridional and Coast Series, by which the value of the common side was greater by 8 feet.  
‡ For another triangle to this point, see the Synoptical Volume of the Madras Meridional and Coast Series, by which the value of the common side was greater by 1 foot.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Inch
			Log feet	Feet	Miles				Log feet	Feet	Miles	
<b>RAHMANGHAR</b>												
<b>MINOR SERIES.</b>												
1611	Urakōnda, XXXII Yērrakōnda, XXXIV Mallappakōnda	79 46 35 h.s.	5.131537 4.875011 5.103116	135375 74991 126799	25.639 14.203 24.015	1621	Amgundpāliyam Gōdduvēlagala Tummalamalai	30 1 22 13 36 14 136 22 24	4.966459 4.638042 5.106011	92568 43515 127647	17.532 8.242 24.176	"
1612	Mallappakōnda Yērrakōnda, XXXIV Itikaldurga	37 0 39 h.s.	4.924426 5.109219 5.131537	84028 128593 135375	15.914 24.355 25.639	1622	Devarakōnda No. 3 Gōdduvēlagala Tummalamalai	89 5 55 29 59 38 60 54 27	4.966459 4.665402 4.907943	92568 46281 80899	17.532 8.765 15.322	"
1618	Mallappakōnda Innāglūr Hill Staff Itikaldurga	38 49 52 h.s.	4.917627 5.109219 5.074296	82723 128593 118658	15.667 24.355 22.473	1623	Devarakōnda No. 3 Dōnnikōrakōnda Patnam Fort	56 5 55 25 18 6 00242	4.703887 4.415628 4.779899	50569 26039 60242	9.578 4.932 11.409	"
1614	Yērrakōnda, XXXIV Itikaldurga Chikkapalli	86 34 24 37 43 3	5.054918 5.137061 4.924426	113480 137108 84028	21.402 25.967 15.914	1624	Devarakōnda No. 3 Tummalamalai Patnam Fort	91 4 27 29 6 11	4.728574 4.415628 4.665402	53527 26039 46281	10.138 4.932 8.765	"
1615	Kunnakōnda Adavi Avalpalli Kōnkōntlu	57 34 13 45 2 15 77 23 32	5.009908 4.933310 5.072941	102308 85765 118288	19.376 16.243 22.403	1625	Itikaldurga Amgundpāliyam Gorantla Fort	50 58 44 81 18 1	4.847010 4.951611 4.825796	70309 89456 66957	13.316 16.942 12.681	"
1616	Itikaldurga Chikkapalli Kōnkōntlu	46 17 22 81 48 20 51 54 18	5.017991 5.154492 5.054918	104230 142722 113480	19.740 27.031 21.492	1626	Itikaldurga Amgundpāliyam Gorantla Fort	49 2 5 48 35 57	4.707670 4.704782 4.825796	51012 50674 66957	9.661 9.597 12.681	"
1617	Chikkapalli Kōnkōntlu Rahmanghar	58 53 14 59 57 3	5.008045 5.012809 5.017991	101870 102993 104230	19.293 19.506 19.740	1627	Itikaldurga Amgundpāliyam Kōndakōmeria Fort	28 3 21 71 16 32	4.503985 4.807965 4.825796	31914 64264 66957	6.044 12.171 12.681	"
* 1618	Kōnkōntlu Rahmanghar Adavi Avalpalli	91 23 20 h.s.	5.164694 5.009908 5.008045	146115 102308 101870	27.673 19.376 19.293	1628	Mallappakōnda Itikaldurga Mallekkōnda	59 23 12 21 58 6 98 38 42	5.048994 4.687162 5.109219	111942 48659 128593	21.201 9.216 24.355	"
1619	Yērrakōnda, XXXIV Itikaldurga Amgundpāliyam	42 4 20 80 41 30 57 14 10	4.825796 4.993921 4.924426	66957 98610 84028	12.681 18.676 15.914	1629	Mallappakōnda Amgundpāliyam Mallekkōnda	64 34 11 46 49 27 68 36 22	4.780021 4.687162 4.793275	60259 48659 62126	11.413 9.216 11.766	"
1620	Innāglūr Hill Staff Amgundpāliyam Gōdduvēlagala	22 56 42 26 42 23	5.106011 4.814885 4.876638	127647 65296 75273	24.176 12.367 14.256	1680	Urakōnda, XXXII Pēnukōnda Mallekkōnda	52 50 16 47 46 39 43 57 30	4.756535 4.724665 4.687162	57087 53048 70407	10.812 10.047 13.335	"
						1681	Mallappakōnda Mallekkōnda Wantikōnda Hill Mark	57 40 50 43 57 30 79 23 5	4.623083 4.537629 4.687162	41984 34485 48659	7.952 6.531 9.216	"
						1682	Mallappakōnda Mallekkōnda Guttūr Hill Turret	23 3 58 119 38 26	4.497821 4.843956 4.687162	31464 69800 48659	5.959 13.220 9.216	"

\* The continuation of the triangulation will be found in the Synoptical Volume of the Madras Longitudinal Series.



No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1633	Pënkõnda Mallemkõnda Guttür Hill Turret	33 25 34 54 39 19	4' 497821 4' 668302 4' 756535	31464 46591 57687	5' 959 8' 824 10' 812	1645	Chikkapalli Varalkõnda Mittëmäri Fort	67 3 35 60 38 5	4' 546643 4' 522698 4' 480757	35208 33319 30252	6' 668 6' 311 5' 730	Inch c.r.i. "
1634	Mallappakõnda Mallemkõnda Devarakõnda Hill Pillar	41 10 45 51 54 57	4' 506296 4' 583829 4' 687162	32085 38356 48059	6' 077 7' 264 9' 216	1646	Itikalurga Kõnkõntlu Saikalikõnda	35 46 24 33 18 16 110 55 20	4' 950959 4' 923756 5' 154492	89322 83899 142722	16' 917 15' 890 27' 031	"
1635	Mallappakõnda Mallemkõnda Kõttachëru Fort	11 31 29 16 53 4	4' 310345 4' 472830 4' 687162	20434 29705 48659	3' 870 5' 626 9' 216	1647	Kõnkõntlu Saikalikõnda Somnãdmalai Hill Mark	27 36 16 123 39 0	4' 934808 5' 189237 4' 950959	86061 154610 89322	16' 299 29' 282 16' 917	"
1636	Urakõnda, XXXII Mallappakõnda Kõttachëru Fort	22 54 5 56 20 13	4' 472830 4' 803003 4' 875011	29705 63534 74991	5' 626 12' 033 14' 203	1648	Chikkapalli Kõnkõntlu Somnãdmalai Hill Mark	80 41 31 57 36 18	5' 189237 5' 121528 5' 017991	154610 132290 104230	29' 282 25' 055 19' 740	"
1637	Urakõnda, XXXII Mallappakõnda Bukkapatnam Palace	15 6 11 72 52 12	4' 291184 4' 855577 4' 875011	19552 71799 74991	3' 703 13' 581 14' 203	1649	Kõnkõntlu Saikalikõnda Gumnyakalpãya Hill Mark	40 12 53 83 15 11	4' 839690 5' 026672 4' 950959	69134 106334 89322	13' 094 20' 139 16' 917	"
1638	Mallappakõnda Mallemkõnda Bukkapatnam Palace	28 3 28 16 19 18	4' 514864 4' 291184 4' 687162	32724 19552 48659	6' 198 3' 703 9' 216	1650	Kõnkõntlu Saikalikõnda Kavalkõnda Hill Pillar	51 32 34 51 1 51	4' 855303 4' 852193 4' 950959	71664 71153 89322	13' 573 13' 476 16' 917	"
1639	Mallappakõnda Mallemkõnda Tãlamãria Fort	19 22 19 40 17 59	4' 271822 4' 561839 4' 687162	18699 36462 48659	3' 542 6' 906 9' 216	1651	Chikkapalli Kõnkõntlu Kavalkõnda Hill Pillar	41 13 45 33 40 0	4' 852193 4' 777052 5' 017991	71153 59848 104230	13' 476 11' 335 19' 740	"
1640	Mallappakõnda Amgundpãlayam Luchëria Fort	60 25 27 41 49 3	4' 742635 4' 627234 4' 793275	55289 42387 62126	10' 471 8' 028 11' 766	1652	Kunnakõnda Saikalikõnda Kokkantidrug Pagoda	63 39 45 48 18 57	4' 821321 4' 742135 4' 836150	66271 55225 68573	12' 551 10' 459 12' 987	"
1641	Amgundpãlayam Mallemkõnda Luchëria Fort	5 0 24 42 57 41	3' 850039 4' 742635 4' 780021	7080 55289 60259	1' 341 10' 471 11' 413	1653	Isaramalai Saikalikõnda Kokkantidrug Pagoda	20 11 59 12 13 51	4' 821321 4' 609162 5' 012522	66271 40660 102925	12' 551 7' 701 19' 493	"
1642	Yërrakõnda, XXXIV Itikalurga Varalkõnda	62 54 29 71 20 8 45 45 23	5' 018808 5' 045820 4' 924426	104426 111127 84028	19' 778 21' 047 15' 914	1654	Kunnakõnda Saikalikõnda Kandukür Fort	26 28 36 44 52 55	4' 508726 4' 708142 4' 836150	32265 51067 68573	6' 111 9' 672 12' 987	"
1643	Itikalurga Chikkapalli Varalkõnda	15 14 16 65 7 32 99 38 12	4' 480757 5' 018808 5' 054918	30252 104426 113480	5' 730 19' 778 21' 492	1655	Kõnkõntlu Adavi Aivalpalli Gatdrug	43 54 25 38 17 50 97 47 45	4' 854981 4' 806151 5' 009908	71611 63996 102308	13' 563 12' 120 19' 376	"
1644	Chikkapalli Varalkõnda Yellampalli Fort	54 45 26 91 43 27	4' 650755 4' 738458 4' 480757	44743 54759 30252	8' 474 10' 371 5' 730	1656	Kõnkõntlu Gatdrug Chelür Fort Bastion	95 2 34 31 8 45	4' 897552 4' 612910 4' 806151	78986 41012 63996	14' 960 7' 767 12' 120	"

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1657	Könköntlu Saikalkönda Chelur Fort Bastion	h.s. " "	4° 7' 07.51 4° 6' 19.10 4° 9' 50.959	50993 41012 89322	9.658 7.767 16.917	1669	Kunnakönda Saikalkönda Pëdda Tëppasamudram Fort	58° 5' 24 37° 7' 42	4° 7' 66.800 4° 6' 18.705 4° 8' 36.150	58452 41563 68573	11.070 7.872 12.987	Inch C.T.I. "
1658	Könköntlu Saikalkönda Chittiganpalli	h.s. " "	4° 7' 33.83 4° 6' 6.108 4° 9' 50.959	54248 46143 89322	10.274 8.739 16.917	1670	Könköntlu Saikalkönda Pëdda Tëppasamudram Fort	35° 32' 6 27° 6' 22	4° 7' 66.800 4° 6' 6.106 4° 9' 50.959	58452 45824 89322	11.070 8.679 16.917	" " "
1659	Chikkapalli Könköntlu Chittiganpalli	h.s. " "	4° 6' 6.108 4° 9' 31.10 5° 0' 17.991	46143 86918 104230	8.739 16.462 19.740	1671	Könköntlu Saikalkönda Köttakota Fort	70° 44' 58 31° 4' 42	4° 9' 35.290 4° 6' 73.105 4° 9' 50.959	86157 47109 89322	16.318 8.922 16.917	" " "
1660	Kunnakönda Könköntlu Sadam Fort	h.s. " "	4° 44' 31.26 4° 9' 20.416 4° 9' 33.310	27741 83256 85765	5.254 15.768 16.243	1672	Kunnakönda Könköntlu Köttakota Fort	24° 36' 34 24° 41' 27	4° 6' 73.105 4° 6' 74.449 4° 9' 33.310	47109 47255 85765	8.922 8.950 16.243	" " "
1661	Könköntlu Saikalkönda Sadam Fort	h.s. " "	4° 8' 23.252 4° 44' 31.26 4° 9' 50.959	66566 27741 89322	12.607 5.254 16.917	1673	Könköntlu Saikalkönda Chënalpatkönda Hill Pillar	35° 34' 17 42° 7' 48	4° 7' 22.573 4° 7' 8.644 4° 9' 50.959	53181 61326 89322	10.072 11.615 16.917	" " "
1662	Chikkapalli Könköntlu Urakönda	h.s. " "	4° 6' 9.3016 4° 7' 47.316 5° 0' 17.991	49319 55888 104230	9.341 10.585 19.740	1674	Kunnakönda Saikalkönda Kotammakönda Hill Mark	77° 20' 9 16° 0' 7	4° 8' 26.191 4° 2' 77.277 4° 8' 36.150	67018 18936 68573	12.693 3.586 12.987	" " "
1663	Könköntlu Chittiganpalli Iragampalli Fort	h.s. " "	4° 8' 06.364 4° 36' 7.5 4° 6' 6.108	64027 23317 46143	12.126 4.416 8.739	1675	Könköntlu Saikalkönda Kotammakönda Hill Mark	40° 16' 20 80° 14' 11	4° 8' 26.191 5° 0' 09.340 4° 9' 50.959	67018 102174 89322	12.693 19.351 16.917	" " "
1664	Könköntlu Urakönda Iragampalli Fort	h.s. " "	4° 6' 6.108 4° 6' 6.108 4° 6' 6.108	45834 23317 49319	8.681 4.416 9.341	1676	Kunnakönda Saikalkönda Rangasamudram Fort	83° 4' 53 23° 11' 15	4° 8' 50.724 4° 4' 49.109 4° 8' 36.150	70013 28126 68573	13.430 5.327 12.987	" " "
1665	Kunnakönda Könköntlu Guntapalli	h.s. " "	4° 55' 28.2 4° 9' 22.616 4° 9' 33.310	36081 83679 85765	6.834 15.848 16.243	1677	Yërrakönda, XXXIV Itikaldurga Pënnamale	23° 19' 0 95° 54' 12 00° 46' 48	4° 58.1025 4° 98.1226 4° 92.4426	38109 95769 84028	7.218 18.138 15.914	" " "
1666	Könköntlu Saikalkönda Guntapalli	h.s. " "	4° 77.8863 4° 55' 28.2 4° 9' 50.959	60098 36081 89322	11.382 6.834 16.917	1678	Itikaldurga Saikalkönda Pënnamale	72° 43' 58 26° 37' 36 80° 38' 26	4° 9' 09.549 4° 58.1025 4° 92.3756	81199 38109 83899	15.379 7.218 15.890	" " "
1667	Könköntlu Guntapalli Chikalnerpu Fort	h.s. " "	4° 00' 7.417 4° 50' 21.77 4° 55' 28.2	10172 31782 36081	1.927 6.019 6.834	1679	Itikaldurga Pënnamale Amadugur Pagoda	79° 51' 29 58° 23' 20	4° 75.0762 4° 68.7850 4° 58.1025	56333 48736 38109	10.669 9.230 7.218	" " "
1668	Könköntlu Urakönda Chikalnerpu Fort	h.s. " "	4° 57.3796 4° 50' 21.77 4° 6' 9.3016	37480 31782 49319	7.098 6.019 9.341	1680	Itikaldurga Pënnamale Tummala Fort	94° 10' 50 56° 57' 37	4° 89.6228 4° 82.0781 4° 58.1025	78746 66188 38109	14.914 12.536 7.218	" " "

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1681	Itikalidurga Pinnamale Gúlur Fort	41 44 11 51 34 55	4 405035 4 475791 4 581025	25412 29908 38109	4 813 5 664 7 218	"	Könköntlu Adavi Avalpalli Bálesvaramkónda	14 21 7 103 25 42 62 13 11	4 457329 5 051054 5 009908	28663 112474 102308	5 429 21 302 19 376	"	
1682	Itikalidurga Saikalikónda Kóppakóndaráyan Hill Pillar	75 44 37 34 56 45	4 939123 4 710713 4 923756	86921 51370 83899	16 462 9 729 15 890	"	<b>BANGALORE</b>						"
1683	Rahmanghar Nundvdroog Ambájdurga Building	99 26 16 6 53 42	5 071919 4 157200 5 059948	118010 14362 114802	22 350 2 720 21 743	86	<b>MINOR SERIES.</b>						"
1684	Chikkapalli Könköntlu Ambájdurga Building	52 38 48 57 20 56	4 945311 4 970291 5 017991	88168 93388 104230	16 698 17 687 19 740	C.T.I. "	Pávagada, XXXIII Yérrakónda, XXXIV Byál	62 31 43 63 20 45 54 7 32	5 213022 5 216187 5 173628	163314 164508 149152	30 931 31 157 28 248	"	
1685	Chikkapalli Könköntlu Malapalli Hill Pagoda	49 55 31 62 44 36	4 936686 5 001792 5 017991	86434 100413 104230	16 370 19 018 19 740	"	Yérrakónda, XXXIV Byál Kalkote	48 18 28 72 21 4 59 20 28	5 151576 5 257476 5 213022	141767 180915 163314	26 850 34 204 30 931	"	
1686	Chikkapalli Könköntlu Chintamani Hill Tree	45 21 20 63 48 35	4 894943 4 995715 5 017991	78513 99018 104230	14 870 18 753 19 740	"	Byál Kalkote Sitakal	54 49 33 53 33 59 71 36 28	5 086784 5 079898 5 151576	122119 120198 141767	23 129 22 765 26 850	"	
1687	Könköntlu Adavi Avalpalli Chalamkote	70 3 56 32 36 51 77 19 13	4 993798 4 752203 5 009908	98582 56520 102308	18 671 10 705 19 376	"	Kalkote Sitakal Halasúrbétta, XXXIX	76 54 46 42 19 25 60 45 49	5 134534 4 974183 5 086784	136312 94229 122119	25 817 17 846 23 129	"	
1688	Kunnakónda Adavi Avalpalli Chalamkote	44 43 56 77 39 6 57 36 58	4 993798 5 136187 5 072941	98582 136832 118288	18 671 25 915 22 403	"	Sítakal Halasúrbétta, XXXIX Savandurga, XLI	62 7 44 62 10 39 55 41 37	5 163989 5 164183 5 134534	145878 145943 136312	27 628 27 641 25 817	"	
1689	Könköntlu Chittiganpalli Buradagunte Fort	58 4 54 55 22 6 4 664108	4 639352 4 610852 4 664108	42693 41386 46143	8 086 7 838 8 739	"	Yérrakónda, XXXIV Byál Bómmasandra	60 40 44 24 22 49 94 56 27	5 155100 4 830369 5 213022	142922 67666 163314	27 069 12 816 30 931	"	
1690	Könköntlu Chalamkote Buradagunte Fort	78 45 53 39 57 12 4 752203	4 800802 4 616852 4 752203	63212 41386 56520	11 972 7 838 10 705	"	Pávagada, XXXIII Yérrakónda, XXXIV Channaráydurga Hill Peak	70 17 40 63 45 6 128 20 51	5 290824 5 269769 5 173628	195355 186110 149152	36 999 35 248 28 248	"	
1691	Könköntlu Chalamkote Gaunpalli Fort	49 8 51 48 15 9 4 752203	4 634585 4 628624 4 752203	43111 42523 56520	8 165 8 054 10 705	"	Pávagada, XXXIII Byál Channaráydurga Hill Peak	7 45 57 128 20 51 5 216187	4 506042 5 269769 5 216187	32066 186110 164508	6 073 35 248 31 157	"	
1692	Adavi Avalpalli Chalamkote Pulgurkote Fort*	40 10 37 9 37 17 4 993798	4 920492 4 333903 4 993798	83271 21573 98582	15 771 4 086 18 671	86	Pávagada, XXXIII Yérrakónda, XXXIV Mákalidurga	44 38 12 100 32 2 34 49 46	5 263602 5 409507 5 173628	183486 256748 149152	34 751 48 027 28 248	"	

\* For another triangle to this point, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was greater by 8 feet.  
 † For another triangle to this station, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was less by 17 feet.

No. of Triangle	Station	Corrected Plane Angle			Distance			No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		o	'	"	Log. feet	Feet	Miles			Log. feet	Feet	Miles	Log. feet	Feet	Miles	
1703	Yérrakõnda, XXXIV Byál Mákalidurga	h.s.			5° 05' 07.5"	112221	8	21° 25' 4	86	1714	Kodagurki Kavuranhalli Kundalagurki	h.s.	53° 9' 50"	80953	15.332	Inch C.T.I. 36
1704	Rahmanghar Nundydroog Kalavardurga	h.s.			5° 26' 30.2"	183486		34° 7' 51"	"	1715	Chikkapalli Kõnkõntlu Kundalagurki	h.s.	58° 56' 17"	89561	16.962	C.T.I. "
1705	Kodagurki Mákalidurga Kalavardurga	h.s.			4° 23' 09.8"	17021		3° 22' 4	"	1716	Devaráyadurga Sítakal Nijagaldurga Pillar	h.s.	46° 44' 56"	33498	6.344	"
1706	Kodagurki Mákalidurga Kavuranhalli	h.s.			4° 81' 20.17"	64866		12° 28' 5	C.T.I. 36	1717	Devaráyadurga Sítakal Héggunda Hill Pagoda	h.s.	23° 22' 49"	16485	3.122	"
1707	Mákalidurga Kalavardurga Virálgolhalli	h.s.			4° 81' 20.17"	64866		12° 28' 5	"	1718	Devaráyadurga Sítakal Rámadevarabétta Pagoda	h.s.	35° 21' 26"	22029	4.172	"
1708	Mákalidurga Virálgolhalli Rangaswámi Hill Pagoda	h.s.			4° 92' 56.8"	84267		15° 9' 60"	"	1719	Halasúrbbétta, XXXIX Kalkote Dódballapur Idgah	h.s.	28° 12' 40"	51272	9.711	C.T.I. 36
1709	Varalkõnda Kavuranhalli Gudibanda	h.s.			4° 62' 53.4"	42612		8° 0' 70"	"	1720	Halasúrbbétta, XXXIX Nundydroog Dódballapur Idgah	h.s.	49° 35' 44"	60653	11.487	C.T.I. 36
1710	Mákalidurga Kavuranhalli Gudibanda	h.s.			4° 30' 71.32"	20283		3° 8' 41"	"	1721	Bõmnanhalli Múganáyakankote Kõndapur	h.s.	38° 2' 10"	76790	14.543	"
1711	Varalkõnda Gudibanda Kudikõnda Hill Stone	h.s.			4° 79' 07.41"	61765		11° 6' 98"	"	1722	Múganáyakankote Kõndapur Huvinkatte	h.s.	103° 37' 15"	121121	22.940	C.T.I. "
1712	Varalkõnda Gudibanda Ávalkõnda Hill Peak	h.s.			4° 85' 97.73"	72322		13° 6' 97"	"	1723	Múganáyakankote Huvinkatte Salparhalli	h.s.	42° 26' 0"	68117	12.901	"
1713	Varalkõnda Gudibanda Naráyanhalli Hill Pillar	h.s.			4° 49' 10.69"	30979		5° 8' 67"	"	1724	Múganáyakankote Huvinkatte Chelur Fort	h.s.	74° 13' 55"	36123	6.841	"

\* Deduced base. † This base is taken from the Synoptical Volume of the Madras Longitudinal Series.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
<b>BANGALORE BASE</b>												
<b>VERIFICATORY TRIANGULATION.</b>												
1725	Bangalore Base-line S.W. End, LII Nágavára Géddahalli	60 9 42 38 15 56 81 34 22	4°04'88.73 3°90'25.44 4°10'59.23	11191 7990 *12762	2 120 1 513 2 417	1725	Bangalore Base-line S.W. End, LII Nágavára Doddagunta	62 12 54 68 53 20 48 53 46	4°17'56.26 4°19'86.56 4°10'59.23	14984 15800 *12762	2 838 2 992 2 417	Inch 24 " " "
1726	Nágavára Géddahalli Basavangudda	54 24 44 50 53 51 74 41 25	3°97'47.75 3°95'44.38 4°04'88.73	9436 9004 11191	1 787 1 705 2 120	1726	Ankiegiri Devarabétta Ánehéttidurga	17 38 13 14 0 19 5 21 52.31	4°97'68.12 4°87'22.28 5°21'52.31	94801 75723 164146	17 955 14 341 31 088	36 " " "
1727	Bangalore Base-line S.W. End, LII Nágavára Machalbétta	58 23 56 74 22 21 47 13 43	4°17'04.82 4°22'38.27 4°10'59.23	14808 16743 *12762	2 804 3 171 2 417	1727	Devarabétta Ánehéttidurga Karibétta	52 56 19 76 35 34	4°89'08.10 4°87'60.22 4°97'68.12	77770 75166 94801	14 729 14 236 17 955	C.T.I. " " "
1728	Nágavára Machalbétta Hénnúr	55 46 13 50 9 22 74 4 25	4°10'48.76 4°07'27.26 4°17'04.82	12731 11823 14808	2 411 2 239 2 804	1728	Ánehéttidurga Karibétta Ráyakota	28 41 39 39 45 53	5°05'34.32 4°76'62.40 4°89'08.10	113092 58377 77770	21 419 11 056 14 729	" " "
1729	Nágavára Basavangudda Ráchénhalli	87 19 21 49 30 3 43 10 36	4°11'87.49 4°00'07.4 3°95'44.38	13145 10006 9004	2 490 1 895 1 705	1729	Karibétta Ráyakota Guttiráyán	69 47 37 41 3 56 69 8 27	5°05'52.85 4°90'38.6 5°05'34.32	113576 79503 113092	21 511 15 057 21 419	" " "
1780	Nágavára Hénnúr Ráchénhalli	49 51 25 54 55 13 75 13 22	3°97'06.75 4°00'07.4 4°07'27.26	9347 10006 11823	1 770 1 895 2 239	† 1740	Ráyakota Guttiráyán Pikili	36 53 54 55 50 18 87 15 48	4°83'42.19 4°97'35.26 5°05'52.85	68268 94086 113576	12 930 17 819 21 511	" " "
1781	Basavangudda Ráchénhalli Sampigehalli	33 44 45 81 38 15 64 37 0	3°90'75.31 4°15'81.98 4°11'87.49	8082 14395 13145	1 531 2 726 2 490	1741	Ánehéttidurga Ráyakota Hucedurgam Pagoda No. 2	31 9 42 20 42 17	4°58'43.73 4°41'89.54 4°76'62.40	38404 26239 58377	7 273 4 970 11 056	" " "
1782	Hénnúr Ráchénhalli Gubbi	63 50 34 72 38 30 43 30 56	4°08'58.17 4°11'24.96 3°97'06.75	12185 12957 9347	2 308 2 454 1 770	1742	Ráyakota Pikili Moruvádi	26 52 30 14 20 12 138 47 18	4°80'09.26 4°54'85.28 4°97'35.26	64554 35361 94086	12 226 6 697 17 819	" " "
1783	Ráchénhalli Sampigehalli Bangalore Base-line N.E. End, LIII	55 11 9 87 29 0 37 19 51	4°03'10.9 4°12'43.2 3°90'75.31	10942 13315 8082	2 072 2 522 1 531	1743	Véllármalai Arúr Dialmalai	50 36 42 63 38 25 65 44 53	4°70'07.95 4°76'50.13 4°77'25.68	50211 58212 59234	9 510 11 025 11 218	" " "
1784	Ráchénhalli Gubbi Bangalore Base-line N.E. End, LIII	32 8 8 82 40 52 65 11 0	3°85'37.45 4°12'43.2 4°08'58.17	7141 13315 12185	1 352 2 522 2 308	1744	Véllármalai Dialmalai Munimalai	52 19 42 15 59 10 111 41 8	4°69'53.56 4°33'68.62 4°76'50.13	49586 17253 58212	9 391 3 268 11 025	" " "

• Measured base. † The continuation of the triangulation will be found in the Synoptical Volume of the Madras Longitudinal Series.  
‡ This base is taken from the Synoptical Volume of the Madras Longitudinal Series.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	
		o	'	"	Log. feet	Feet	Miles				Log. feet	Feet	Miles	o	'	"		Log. feet
1745	Dialmalai Munimalai Kanavaiputtur	h.s.	73 34 20	65 52 30	4.864243 4.842651 4.695356	73155 69607 49586	13.855 13.183 9.391	Inch C.T.I.	1757	Karadigutta, LXII Kurumalai No. 2 Beganurmalai	h.s.	64 22 15	50 58 33	64 39 12	4.771847 4.707181 4.772867	59135 50954 59274	11.200 9.650 11.226	Inch C.T.I.
1746	Vellarmalai Dialmalai Arur Fort	h.s.	53 4 25	55 4 35	4.689946 4.700947 4.705013	48972 50228 58212	9.275 9.513 11.025	"	1758	Gollapalli Aiankarai Mukanur	h.s.	8 41 4	141 25 29	29 53 27	4.302629 4.918539 4.821206	20074 82897 66253	3.802 15.700 12.548	"
1747	Karibetta Guttirayan Chellappabetta	h.s.	34 32 31	79 51 28	4.694608 4.934177 4.900386	49500 85936 79593	9.375 16.276 15.057	"	1759	Gollapalli Mukanur Puthu Isalahalli	h.s.	88 1 52	35 11 25	56 46 43	4.995785 4.756686 4.918539	99034 57107 82897	18.756 10.816 15.700	"
1748	Guttirayan Chellappabetta Karadigutta, LXII	h.s.	70 24 6	79 59 28	4.974917 4.994175 4.694608	94388 98668 49500	17.877 18.687 9.375	"	1760	Karadigutta, LXII Gollapalli Puthu Isalahalli	h.s.	50 39 17	47 4 10	82 16 33	4.756686 4.732933 4.864357	57107 54067 73174	10.816 10.240 13.859	"
1749	Chellappabetta Karadigutta, LXII Pikili Hill Mark	h.s.	54 25 11	65 38 30	4.947907 4.997166 4.974917	88697 99350 94388	16.799 18.816 17.877	"	ERODE									"
1750	Karadigutta, LXII Pikili Hill Mark Gollapalli	h.s.	15 37 6	117 9 10	4.428738 4.864357 4.947907	26837 73174 88697	5.083 13.859 16.799	"	MINOR SERIES.									"
1751	Pikili Hill Mark Gollapalli Aiankarai	h.s.	99 3 44	20 36 27	4.821206 4.876785 4.428738	66253 75298 26837	12.548 14.261 5.083	"	1761	Savandurga, XLI Devarabetta Bandhallidurga	h.s.	44 41 42	97 47 48	37 30 30	5.266334 5.415140 5.203703	184644 260100 159846	34.970 49.261 30.274	"
1752	Gollapalli Aiankarai Pikili	h.s.	75 10 20	40 50 24	4.852883 4.683135 4.821206	71266 48210 66253	13.497 9.131 12.548	"	1762	Devarabetta Bandhallidurga Ponnasibetta	h.s.	36 19 21	66 43 5	76 57 34	5.050245 5.240794 5.266334	112265 174098 184644	21.262 32.973 34.970	"
1753	Karadigutta, LXII Chellappabetta Kurumalai No. 2	h.s.	67 8 41	37 25 45	4.953611 4.772867 4.974917	89869 59274 94388	17.021 11.226 17.877	"	1763	Bandhallidurga Ponnasibetta Kambatirayan	h.s.	85 12 55	67 12 30	27 34 35	5.383213 5.349422 5.050245	241664 223574 112265	45.770 42.344 21.262	"
1754	Karadigutta, LXII Gollapalli Divatipati	h.s.	76 50 3	55 50 59	4.986439 4.015811 4.864357	96926 82378 73174	18.357 15.602 13.859	"	1764	Ponnasibetta Kambatirayan Palamalai	h.s.	44 49 29	43 48 32	91 21 59	5.231488 5.223602 5.383213	170407 167341 241664	32.274 31.693 45.770	"
1755	Karadigutta, LXII Divatipati Puralgudda	h.s.	42 51 9	41 19 49	4.750635 4.737860 4.915811	56316 54684 82378	10.666 10.357 15.602	"	1765	Palamalai Kambatirayan Urachimalai	h.s.	65 48 59	28 6 37	86 4 24	5.192617 4.905687 5.231488	155818 80480 170407	29.511 15.242 32.274	"
1756	Karadigutta, LXII Puralgudda Chetkuli	h.s.	51 7 6	48 20 52	4.635042 4.617247 4.737860	43156 41423 54684	8.173 7.845 10.357	"	1766	Kambatirayan Urachimalai Thittamalai, LXXI	h.s.	55 32 23	37 3 54	87 23 43	5.109266 4.973182 5.192617	128608 94012 155818	24.357 17.805 29.511	"

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1767	Urāchimalai Thittamalai, LXXI Chēnimalai, LXIX	h.s. 50 43 50 61 19 25	5 031107 5 085436 5 109266	107425 121741 128608	20 346 23 057 24 357	Inch 36 "	SALEM	36 59 44 77 11 5 65 49 11	4 761620 4 971246 4 942321	57759 93594 87563	10 939 17 726 16 584	Inch 36 "
1768	Savandurga, XLI Devarabētta Kabbāldurga	h.s. " " " "	5 103765 5 184674 5 203703	126989 152994 159846	24 051 28 976 30 274	" " " C.T.I.	MINOR SERIES.	h.s. " " " "	4 883026 4 754921 4 761620	76388 56875 57759	14 467 10 772 10 939	" " " "
1769	Devarabētta Bandhallidurga Kabbāldurga	h.s. " " " "	5 032064 5 103765 5 266334	107662 126989 184644	20 391 24 051 34 970	36 " " C.T.I.		h.s. " " " "	4 999708 4 904292 4 883026	99933 92107 76388	18 927 17 444 14 467	" " " "
1770	Devarabētta Ānehēttdurga Banavanakal	h.s. " " " "	5 009072 4 622426 4 976812	102111 41920 94801	19 339 7 939 17 955	36 " " " "		h.s. " " " "	5 147647 4 906336 4 999708	140491 91272 99933	26 608 17 286 18 927	" " " "
1771	Devarabētta Kabbāldurga Banavanakal	h.s. " " " "	5 058320 4 622426 5 103765	114372 41920 126989	21 661 7 939 24 051	36 " " " "		h.s. " " " "	5 016382 4 936923 5 147647	103844 86482 140491	19 667 16 379 26 608	" " " "
1772	Kōppabētta, LVIII Bandhallidurga Kambattu Boli	h.s. " " " "	4 985179 5 080576 4 908588	96645 122061 81019	18 304 23 118 15 345	36 " " C.T.I.		h.s. " " " "	5 016382 4 936923 5 147647	103844 86482 140491	19 667 16 379 26 608	" " " "
1773	Kōppabētta, LVIII Banavanakal Kambattu Boli	h.s. " " " "	5 245779 5 086576 4 834816	176108 122061 68362	33 354 23 118 12 947	" " " " "		h.s. " " " "	4 957156 4 723140 5 016382	90606 52862 103844	17 160 10 012 19 667	" " " "
1774	Kōppabētta, LVIII Bandhallidurga Andalam	h.s. " " " "	4 667625 5 023340 4 908588	46518 105521 81019	8 810 19 985 15 345	" 36 C.T.I.		h.s. " " " "	4 859547 4 958903 4 957156	72368 90971 90606	13 706 17 229 17 160	" " " "
1775	Bandhallidurga Kambattu Boli Māthalli	h.s. " " " "	4 333077 5 010381 4 985179	21532 102419 96645	4 078 19 398 18 304	36 " " " "		h.s. " " " "	4 968419 4 357578 4 942321	92986 22781 87563	17 611 4 315 16 584	" " " "
1776	Bandhallidurga Andalam Māthalli	h.s. " " " "	4 757900 5 010381 4 667625	57266 102419 46518	10 846 19 398 8 810	36 " " " "		h.s. " " " "	4 918139 4 869323 4 942321	82821 74016 87563	15 686 14 018 16 584	" " " "
1777	Thittamalai, LXXI Kambattirāyan Satyamangalam Fort	h.s. " " " "	4 512203 4 838478 4 973182	32524 68941 94012	6 160 13 057 17 805	36 " " " "		h.s. " " " "	4 637962 4 797847 4 701620	43447 62784 57759	8 229 11 891 10 939	" " " "

\* D.uced base. † The continuation of the triangulation will be found in the Synoptical Volume of the South-East Coast Series.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1788	Kanjamalai, LXV Shevaroy Melūr	No. 4 h.s. " "	5°00'135 4°79'847 4°90'4292	10031 62784 92107	16 11.891 17.444	1800	Kanjamalai, LXV Salem Fort Sítáneri Hill Pillar	55 6 25 34 14 41	4°47'6240 4°31'2608 4°56'2281	29939 20540 36499	5.670 3.890 6.913	Inch 36 "
1789	Kanjamalai, LXV Pálamalai Mannagundapálayam	h.s. " "	5°16'2600 5°03'8270 5°07'5437	145412 109212 118970	27.540 20.684 22.532	1801	Mannagundapálayam Omálúr Fort Tindimangalam Pagoda	11 50 3 65 2 33	4°15'2006 4°79'7509 4°82'8590	14191 62735 67389	2.688 11.882 12.763	" " "
1790	Kanjamalai, LXV Shevaroy Mannagundapálayam	No. 4 h.s. " "	4°8'5162 5°03'8270 4°90'4292	63850 109212 92107	12.093 20.684 17.444	1802	Kéldamalai Malikarai Godumalai Hill Peak	46 36 27 45 36 44	4°79'8583 4°79'1326 4°93'6923	62890 61848 86482	11.911 11.714 16.379	" " "
1791	Shevaroy Mannagundapálayam Omálúr Fort	No. 4 h.s. " s.	4°82'8590 4°85'0922 4°80'5162	67389 70945 63850	12.763 13.437 12.093	1803	Tenandamalai Malikarai Nágálúr	31 58 55 44 25 44 103 35 21	4°75'2704 4°87'3826 5°01'6382	56585 74787 103844	10.717 14.164 19.667	" " "
1792	Kanjamalai, LXV Pálamalai Omálúr Fort	h.s. s.	5°03'8359 4°03'8558 5°07'5437	109234 43507 118970	20.688 8.240 22.532	1804	Malikarai Aviarmalai Nágálúr	16 17 47 95 13 9 68 29 4	4°20'2606 4°75'2704 4°72'3140	15944 56585 52862	3.020 10.717 10.012	" " "
1793	Kanjamalai, LXV Omálúr Fort Malaiyampati Hill Pagoda	s.	4°60'0125 4°84'9517 4°03'8558	39822 70716 43507	7.542 13.393 8.240	1805	Malikarai Nágálúr Éttapur Pagoda	52 27 52 29 30 59	4°05'6232 4°44'9530 4°75'2704	45314 28153 56585	8.582 5.332 10.717	" " "
1794	Kanjamalai, LXV Mannagundapálayam Malaiyampati Hill Pagoda	h.s.	4°87'4313 4°84'9517 5°03'8270	74871 70716 109212	14.180 13.393 20.684	1806	Malikarai Aviarmalai Éttapur Pagoda	68 45 39 31 35 42	4°69'9724 4°44'9530 4°72'3140	50087 28153 52862	9.486 5.332 10.012	" " "
1795	Mannagundapálayam Omálúr Fort Táramangalam Pagoda	h.s. s.	4°45'2089 4°94'7615 4°82'8590	28320 88637 67389	5.364 16.787 12.763	1807	Malikarai Aviarmalai Kóppakundamalai Hill Pagoda	45 19 26 38 1 33	4°57'7998 4°51'5664 4°72'3140	37844 32784 52862	7.167 6.209 10.012	" " "
1796	Kanjamalai, LXV Omálúr Fort Táramangalam Pagoda	s.	4°45'2089 4°03'0493 4°03'8558	28320 42706 43507	5.364 8.088 8.240	1808	Malikarai Nágálúr Kóppakundamalai Hill Pagoda	29 1 39 29 40 25	4°50'6955 4°51'5664 4°75'2704	32133 32784 56585	6.086 6.209 10.717	" " "
1797	Mannagundapálayam Omálúr Fort Munglipádi Hill Pagoda	h.s. s.	4°55'6775 4°81'2746 4°82'8590	36039 64975 67389	6.826 12.306 12.763	1809	Malikarai Nágálúr Vaiyúr Pagoda	75 28 4 51 12 47	4°83'4421 4°74'0348 4°75'2704	68300 54998 56585	12.936 10.416 10.717	" " "
1798	Mannagundapálayam Omálúr Fort Kusamalai	h.s. s. h.s.	4°54'7904 4°18'4447 4°82'8590	35311 82879 67389	6.688 15.697 12.763	1810	Tenandamalai Aviarmalai Tirthamalai	112 8 58 33 55 35 33 55 27	5°17'7154 4°95'7181 4°95'7156	150367 90611 90606	28.479 17.161 17.160	" " "
1799	Kanjamalai, LXV Kusamalai Salem Fort	h.s. s.	4°26'4203 4°56'2281 4°57'0929	18374 36499 37934	3.480 6.913 7.184	1811	Tenandamalai Shundapanád Tirthamalai	65 10 28 57 14 6 57 35 26	4°99'0327 4°95'7181 4°95'8903	97797 90611 90971	18.522 17.161 17.229	" " "

\* Deduced base.



No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
				Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1812	Tenandamalai	h.s.	10 15 6	4.309751	20406	3.865	Inch 36	Kurnád	54 24 41	4.844612	69922	13.243	Inch 36	
	Shundapanád	"	42 15 17	4.887045	77098	14.602								
	Maniyapálayam	"	127 29 37	4.958903	90971	17.229								
<b>MALABAR</b>														
<b>MINOR SERIES.</b>														
1813	Purakád	h.s.	0.9	65 14 13.8	5.0889702	122735.5	12	Elankunnu	74 29 21	5.088242	122530	23.206	"	
	Narikot	"	.9	51 14 48.6	5.0228717	105407.5								
	Pukunnu	"	.9	63 30 57.6	5.0827123	120979.6								
1814	Narikot	h.s.	0.8	49 45 38.0	4.9951865	98897.8	"	Pundimúdi Hill Mark	58 19 2	5.034268	108210	20.494	"	
	Pukunnu	s.	.8	58 54 55.2	5.0451413	110953.6								
	Chekunnu	h.s.	.9	71 19 26.8	5.0889702	122735.5								
1815	Pukunnu	s.	0.4	43 8 43.5	4.8406382	69284.8	"	Yérrandamalai	102 39 13	5.088242	122530	23.206	"	
	Chekunnu	h.s.	.5	59 23 47.9	4.9405338	87203.5								
	Urátmalai	"	.5	77 27 28.6	4.9951865	98897.8								
1816	Chekunnu	h.s.	0.6	61 41 27.2	5.0353221	108473.1	"	Maliattúr	87 48 29	5.103449	156117	29.508	"	
	Urátmalai	"	.6	84 5 29.4	5.0883278	125554.1								
	Pránakod No. 1	"	.6	34 13 3.4	4.8406382	69284.8								
1817	Urátmalai	h.s.	0.7	51 43 35.3	4.9835346	96279.7	"	Velamalai	26 55 37	4.922564	83669	15.846	"	
	Pránakod No. 1	"	.8	66 5 6.0	5.0496467	112110.6								
	Kurnád No. 1	"	.8	62 11 18.7	5.0353221	108473.1								
1818	Pránakod No. 1	h.s.	0.5	76 1 26.0	5.0146374	103427.8	"	Kodavattúr	80 26 15	5.128599	134462	25.466	"	
	Kurnád No. 1	"	.5	39 22 36.6	4.8506637	67918.2								
	Anangamalai	"	.5	64 35 57.4	4.9835346	96279.7								
1819	Kurnád No. 1	h.s.	0.4	40 5 20.1	4.8338770	66661.8	"	Néddikunnu	71 12 23	5.079443	120072	22.741	"	
	Anangamalai	"	.4	52 16 34.2	4.9131670	81978.0								
	Machátmalai	"	.5	87 38 5.7	5.0146374	103427.8								
1820	Anangamalai	h.s.	0.4	68 23 12	4.945953	88298	"	Udaiyúrmalai	42 37 59	5.172611	148803	28.182	"	
	Machátmalai	"	"	67 2 7	4.941754	87449								
	Alatúr	"	"	44 34 41	4.823877	66662								
1821	Anangamalai	h.s.	0.4	52 12 38	4.912780	81805	"	Máilaimalai	91 34 17	5.172611	148803	28.182	"	
	Machátmalai	"	"	87 42 1	5.014655	103432								
	Kurnád	No. 2	"	40 5 21	4.823877	66662								

\* For another triangle to this station, see the Synoptical Volume of the South-East Coast Series, by which the value of the common side was less by 6 feet.  
 † This base is taken from the Synoptical Volume of the Madras Longitudinal Series, in which the continuation of the triangulation will be found.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1884	Máilalmalai Nedampárai Kunnatápára	94 51 51 " " 55 49 5	5 107744 4 799200 5 026952	128158 62980 106403	24 272 11 928 20 152	1846	Pukunnu Urattmalai Calicut Light-house	150 11 38 4 58 40	5 013802 4 255753 4 940534	103229 18020 87203	19 551 3 413 16 516	Inch 12 "
1885	Nedampárai Kunnatápára Péramkota	51 3 25 40 48 42 " "	4 998827 4 923271 5 107744	99730 83805 128158	18 888 15 872 24 272	1847	Anangamalai Alatúr Ayyampammalai	57 32 43 34 38 38 87 48 39	4 868318 4 696781 4 941754	73845 49749 87449	13 986 9 422 16 562	36 " "
1886	Péramkota Kunnatápára Mukunnumalai	68 56 51 62 4 54 48 58 15	5 091238 5 067503 4 998827	123378 116816 99730	23 367 22 124 18 888	1848	Anangamalai Kurnád Ananghát	42 19 47 35 54 33 101 45 40	4 852141 4 792140 5 014655	71144 61964 103432	13 474 11 736 19 589	" " "
1887	Kunnatápára Mukunnumalai Kalamalai	23 29 9 119 49 38 36 41 13	4 915395 5 253226 5 091238	82299 179154 123378	15 587 33 931 23 367	1849	Anangamalai Ananghát Pránakod	22 45 12 90 49 36 66 25 12	4 417453 4 829961 4 792140	26149 67602 61964	4 953 12 863 11 736	" " C.T.I.
1888	Mukunnumalai Kalamalai Anaipárai	44 7 35 85 4 7 50 48 18	4 868855 5 024483 4 915395	73936 105799 82299	14 003 20 038 15 587	1850	Anangamalai Ayyampammalai Pránakod	116 46 28 36 57 45 26 15 47	5 001623 4 829961 4 696781	100374 67602 49749	19 010 12 803 9 422	36 " C.T.I.
1889	Anaipárai Kalamalai Muruvattúr	100 23 52 32 47 36 " "	4 998891 4 739770 4 868855	99745 54925 73936	18 891 10 402 14 003	1851	Ayyampammalai Pránakod Nílgiri Hill Peak	35 22 26 78 52 18 " "	4 804337 5 033482 5 001623	63729 108015 100374	12 070 20 457 19 010	36 " "
1840	Kalamalai Muruvattúr Mahendragiri	35 47 51 " " 76 38 5	4 777914 4 976644 4 998891	59967 94764 99745	11 357 17 948 18 891	1852	Anangamalai Ayyampammalai Nílgiri Hill Peak	80 38 6 72 20 11 " "	5 033482 5 018336 4 696781	108015 104312 49749	20 457 19 756 9 422	36 " "
1841	Muruvattúr Mahendragiri Maupöttai, XCIV	49 24 14 71 56 59 58 38 47	4 726893 4 824553 4 777914	53320 66766 59967	10 099 12 045 11 357	1853	Ananghát Pránakod Pandalúr	65 26 31 85 15 59 29 17 30	4 686739 4 726433 4 417453	48611 53264 26149	9 207 10 088 4 953	" C.T.I. "
1842	Mahendragiri Maupöttai, XCIV Kannimárpöttai, XCI	96 14 32 47 9 0 " "	4 948821 4 81588 4 726893	88883 65552 53320	16 834 12 415 10 099	1854	Pránakod Nílgiri Hill Peak Pandalúr	103 10 44 " " 44 30 3	4 947077 4 686739 4 804337	88527 48611 63729	16 767 9 207 12 070	" " "
1843	Maupöttai, XCIV Muruvattúr Kadiapatnam	22 30 18 126 58 37 30 31 5	4 701783 5 021332 4 824553	50325 105034 66766	9 531 19 893 12 045	1855	Ananghát Pandalúr Angádpuram	26 33 43 35 21 17 118 5 0	4 431303 4 543241 4 720433	26996 34933 53264	5 113 6 616 10 088	36 C.T.I. "
1844	Anaipárai Muruvattúr Kadiapatnam	51 45 23 69 14 33 59 0 4	4 701783 4 777553 4 739770	50325 59917 54925	9 531 11 348 10 402	1856	Pandalúr Angádpuram Kodúrkunnu Hill Mark	60 5 13 79 3 44 " "	4 553574 4 607702 4 431303	35775 40523 26996	6 776 7 675 5 113	" " "
1845	Narikot Chekkunnu Wayútmalai Hill Peak*	30 9 53 33 17 13 5 045141	4 794658 4 832973 5 045141	62324 68073 110954	11 804 12 893 21 014	1857	Pandalúr Kodúrkunnu Hill Mark Urattmalai	37 2 20 " " 39 53 18	4 580499 4 789241 4 607702	38063 61552 40523	7 209 11 958 7 675	" " "

\* For another triangle to this point, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was less by 43 feet.

No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1858	Uratmalai Pandalur Koangamalai Hill Mark	h.s. " "	4.746147 4.635789 4.789241	55737 43230 61552	10.557 8.188 11.658	Inch C.T.I. "	Kurnad Ponnmalai Shevarattur	84.42 35 26 9 30	4.867312 4.513460 4.839700	73674 32618 69135	13.953 6.178 13.094	Inch 86 "	
1859	Uratmalai Koangamalai Hill Mark Walliattur	h.s. " "	4.731437 4.649774 4.635789	53881 44645 43330	10.205 8.455 8.188	"	Kurnad Shevarattur Analkarakunnu	34 2 58 107 46 50	4.282833 4.325703 4.513460	19179 21160 32618	3.632 4.000 6.178	"	
1860	Uratmalai Walliattur Kotakunnu	h.s. " s.	4.569702 4.775664 4.649774	37128 59657 44645	7.032 11.299 8.455	"	Machattmalai Ponnmalai Nazarani Church	10 8 23 132 0 7	4.302282 4.927708 4.844612	20058 84666 69922	3.799 16.035 13.243	"	
1861	Uratmalai Kotakunnu Calicut Flag-staff	h.s. s. "	4.697796 5.014866 4.775664	49865 103282 59657	9.444 19.599 11.299	"	Kurnad Ponnmalai Nazarani Church	16 22 20 59 56 2	4.302282 4.789465 4.839700	20058 61584 69135	3.799 11.664 13.094	"	
1862	Walliattur Kotakunnu Calicut Flag-staff	h.s. s. "	4.697796 4.805097 4.569702	49865 63841 37128	9.444 12.091 7.032	"	Ponnmalai Elamkunnu Mudalmalai	44 4 59 87 30 28 48 24 33	4.843376 5.000543 4.874800	69723 100125 74955	13.205 18.963 14.196	"	
1863	Kotakunnu Calicut Flag-staff Palkunnu	s. h.s. "	4.762856 4.991452 4.697796	57924 98051 49865	10.970 18.570 9.444	"	Machattmalai Elamkunnu Mudalmalai	52 59 49 37 9 30 89 50 41	4.843376 4.722096 4.941044	69723 52735 87306	13.205 9.988 16.535	"	
1864	Walliattur Calicut Flag-staff Palkunnu	h.s. " "	4.762856 4.954529 4.805097	57924 90059 63841	10.970 17.057 12.091	"	Elamkunnu Mudalmalai Kotakad Church	65 49 20 42 58 17	4.827298 4.700721 4.843376	67189 50202 69723	12.725 9.508 13.205	"	
1865	Walliattur Palkunnu Kannangod Hill Mark	h.s. " "	4.754061 4.825439 4.954529	56762 66902 90059	10.750 12.671 17.057	"	Ponnmalai Elamkunnu Kotakad Church	33 14 20 21 41 8	4.700721 4.529466 4.874800	50202 33843 74955	9.508 6.410 14.196	"	
1866	Ananghat Angadipuram Angadipuram House	h.s. s. "	4.312156 4.315600 4.543241	20519 20882 34933	3.886 3.917 6.616	36 C.T.I.	Machattmalai Ponnmalai Triehur Flag-staff	42 3 22 51 28 37	4.671421 4.738844 4.844612	46927 54808 69922	8.888 10.380 13.243	"	
1867	Pandalur Angadipuram Angadipuram House	h.s. s. "	4.312156 4.514901 4.431303	20519 37227 26996	3.886 6.198 5.113	"	Ponnmalai Elamkunnu Triehur Flag-staff	22 32 50 29 38 48	4.560826 4.671421 4.874800	36377 46927 74955	6.890 8.888 14.196	"	
1868	Uratmalai Kotakunnu Adacheri	h.s. s. h.s.	4.862307 4.717865 4.775664	72830 52223 59657	13.794 9.891 11.299	"	Yerrandamalai Malliattur Bagvadi Gateway	70 58 54 17 8 57	4.920701 4.414606 4.944848	83311 25983 88074	15.779 4.921 16.681	"	
1869	Walliattur Kotakunnu Adacheri	h.s. s. h.s.	4.862307 4.922729 4.569702	72830 83701 37128	13.794 15.852 7.032	"	Yerrandamalai Bagvadi Gateway Poiyakota	52 17 2 88 18 32	4.313090 4.217541 4.414606	20563 16502 25983	3.895 3.125 4.921	"	

SECONDARY TRIANGULATION. TRIANGLES.

No of Triangles	Station	Corrected Plane Angle	Distance			No of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1882	Yérrandamalai Malliatúttú Poiyakota	8 123 15 56 8 5 8 48 38 56	4' 991674 4' 217541 4' 944848	98101 16502 88074	18' 580 3' 125 16' 681	1894	Kunnatápára Pandalakotamalai Padanalam	84 12 9 18 13 11 77 34 40	4' 803561 4' 300863 4' 795500	63615 19992 62445	12' 048 3' 786 11' 827	Inch 86 " "
1883	Yérrandamalai Poiyakota Chéndamangalam Synagogue	76 15 17 29 49 39	4' 222259 3' 931576 4' 217541	16682 8542 16502	3' 160 1' 618 3' 125	1895	Mukunnumalai Pandalakotamalai Trivandrum Pagoda	44 22 38 24 59 57	4' 658334 4' 439556 4' 784857	45534 27514 60934	8' 624 5' 211 11' 540	" " "
1884	Malliatúttú Kodayattúttú Cochin Flag-staff	80 12 2 40 7 36	5' 303942 5' 119535 5' 246414	201346 131684 176366	38' 134 24' 940 33' 403	1896	Péramkota Mukunnumalai Trivandrum Pagoda	13 2 44 93 32 50	4' 439556 5' 085142 5' 007503	27514 121658 116816	5' 211 23' 041 22' 124	" " "
1885	Malliatúttú Velamalai Cochin Flag-staff	53 16 25 63 5 28	5' 073206 5' 119535 5' 121604	118360 131684 132313	22' 417 24' 940 25' 059	1897	Mukunnumalai Pandalakotamalai Tiruvallam Hill Mark	77 42 50 22 23 29	4' 781585 4' 372494 4' 784857	60476 23577 60934	11' 454 4' 465 11' 540	" " "
1886	Málalimalai Kunnatápára Ponkonal	106 51 18 28 1 14 45 7 28	4' 929704 4' 620676 4' 799200	85056 41752 62980	16' 100 7' 908 11' 928	1898	Péramkota Mukunnumalai Tiruvallam Hill Mark	8 11 38 126 53 2	4' 372494 5' 121619 5' 067503	23577 132318 116816	4' 465 25' 060 22' 124	" " "
1887	Udaiyúrmalai Málalimalai Thoiyarmalai	15 16 36 35 28 20 129 15 4	4' 536743 4' 879654 5' 004950	34415 75797 101146	6' 518 14' 356 19' 156	1899	Kunnatápára Mukunnumalai Pillikárinji Hill Mark	28 11 50 52 47 57	4' 771032 4' 997820 5' 091238	59024 99499 123378	11' 179 18' 845 23' 367	" " "
1888	Málalimalai Ponkonal Thoiyarmalai	31 14 14 55 22 5 93 23 41	4' 336256 4' 536743 4' 620676	21600 34415 41752	4' 108 6' 518 7' 908	1900	Mukunnumalai Kalamalai Pillikárinji Hill Mark	67 1 41 42 31 14	4' 905295 4' 771032 4' 915395	80407 59024 82299	15' 229 11' 179 15' 587	" " "
1889	Ponkonal Thoiyarmalai Kondursai	21 28 24 48 58 3 117 42 3	3' 925631 4' 239634 4' 330256	8426 17363 21600	1' 596 3' 289 4' 108	1901	Mukunnumalai Kalamalai Meladi	40 11 39 57 45 17	4' 729403 4' 846841 4' 915395	53629 70282 82299	10' 157 13' 311 15' 587	" " "
1890	Udaiyúrmalai Thoiyarmalai Quilon Flag-staff	26 30 47 117 42 3	4' 762401 5' 059809 4' 879654	57863 114795 75797	10' 959 21' 736 14' 356	1902	Mukunnumalai Kalamalai Attúttú Rock Pagoda	35 50 41 83 0 6	4' 740526 4' 909685 4' 915395	55021 93258 82299	10' 421 17' 662 15' 587	" " "
1891	Udaiyúrmalai Málalimalai Quilon Flag-staff	41 47 23 78 29 13	4' 892371 5' 059809 5' 004950	78050 114795 101146	14' 782 21' 736 19' 156	1908	Kalamalai Anaijárai Kólatúttú Hill Mark	44 8 12 77 44 8	4' 782672 4' 929804 4' 866855	60628 85075 73936	11' 483 16' 113 14' 003	" " "
1892	Péramkota Mukunnumalai Pandalakotamalai	30 55 11 49 10 12 99 54 37	4' 784857 4' 932929 5' 067503	60934 89728 116816	11' 540 16' 994 22' 124	1904	Mukunnumalai Kalamalai Kólatúttú Hill Mark	72 4 44 40 55 55	4' 929804 4' 767753 4' 915395	85075 58580 82299	16' 113 11' 095 15' 587	" " "
1893	Kunnatápára Péramkota Pandalakotamalai	62 16 34 38 1 40 79 41 46	4' 952929 4' 795500 4' 998827	89728 62445 99730	16' 994 11' 827 18' 888	1905	Muruvattúttú Kadiapatnam Kudankal Hill Mark	36 51 40 87 12 29	4' 561625 4' 783047 4' 701783	36444 60680 50325	6' 902 11' 492 9' 531	" " "

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1906	Muruvattūr Kadiapatnam Kōlāchal Landmark	h.s. " "	4° 47' 58.96 4° 48' 88.561 4° 70' 17.83	57530 77368 50325	10.896 14.653 9.531	86 " "	Chēnnimalai, LXIX Alagumalai, LXXIII Kanapālaiyam	0.3 .2 .3	54 52 46.8 47 50 22.5 77 16 50.7	4° 79' 56.116 4° 75' 28.628 4° 87' 20.970	62461.4 56606.0 74489.8	11.830 10.721 14.108	Inch 24 "
1907	Muruvattūr Kadiapatnam Kōlāchal Church	h.s. " "	4° 51' 08.95 4° 78' 47.13 4° 70' 17.83	32426 00913 50325	6.141 11.537 9.531	" " "	Chēnnimalai, LXIX Alagumalai, LXXIII Kanapālaiyam	0.2 .2 .3	55 29 6.4 54 36 36.6 69 54 17.0	4° 73' 88.056 4° 73' 41.698 4° 79' 56.116	54803.2 54221.3 62461.4	10.379 10.269 11.830	" " "
1908	Muruvattūr Kadiapatnam Udayagiri Hill Mark	h.s. " "	4° 70' 65.32 4° 18' 75.41 4° 70' 17.83	50878 15401 50325	9.636 2.917 9.531	1918	Chēnnimalai, LXIX Alagumalai, LXXIII Kanapālaiyam	0.3 .2 .3	54 52 46.8 47 50 22.5 77 16 50.7	4° 79' 56.116 4° 75' 28.628 4° 87' 20.970	62461.4 56606.0 74489.8	11.830 10.721 14.108	" " "
1909	Kalamalai Anaipārai Udayagiri Flag-staff	h.s. " "	4° 57' 09.07 4° 07' 25.54 4° 86' 88.55	37231 93876 73936	7.051 17.780 14.003	1919	Kanapālaiyam Alagumalai, LXXIII Udayūr	0.2 .2 .3	55 29 6.4 54 36 36.6 69 54 17.0	4° 73' 88.056 4° 73' 41.698 4° 79' 56.116	54803.2 54221.3 62461.4	10.379 10.269 11.830	" " "
1910	Kalamalai Muruvattūr Udayagiri Flag-staff	h.s. " "	4° 29' 04.65 4° 97' 25.54 4° 99' 88.91	19519 93876 99745	3.697 17.780 18.891	1920	Alagumalai, LXXIII Udayūr Kōlhupālaiyam, LXXV	0.4 .5 .4	52 10 25.5 101 59 14.3 25 50 20.2	4° 99' 70.334 5° 08' 90.003 4° 73' 88.056	99319.3 122998.6 54803.2	18.810 23.295 10.379	" 14 24
1911	Muruvattūr Kadiapatnam Martava	h.s. " "	4° 83' 66.87 4° 77' 30.36 4° 70' 17.83	68657 59297 50325	13.003 11.231 9.531	1921	Udayūr Kōlhupālaiyam, LXXV Kalimedu	0.5 .5 .5	49 53 6.5 53 30 4.3 76 36 49.2	4° 89' 51.78 4° 91' 41.814 4° 99' 70.334	78076.0 82069.4 99319.3	14.787 15.543 18.810	14 24 14
1912	Muruvattūr Martava Kōtār Church	h.s. " "	4° 46' 24.09 4° 50' 78.42 4° 77' 30.36	20001 32199 59297	5.493 6.098 11.231	1922	Kōlhupālaiyam, LXXV Kalimedu Chēnjeri	0.2 .2 .3	35 38 45.2 57 28 11.1 86 53 3.7	4° 65' 86.604 4° 81' 90.432 4° 89' 25.178	45568.0 65923.9 78076.0	8.630 12.486 14.787	24 14 "
1913	Muruvattūr Martava Shivandram Pagoda	h.s. " "	4° 23' 03.30 4° 64' 01.66 4° 77' 30.36	16995 43668 59297	3.219 8.270 11.231	1923	Kalimedu Chēnjeri Chāvadipālaiyam	0.0 .0 .1	61 4 11.4 17 0 10.9 101 55 37.7	4° 61' 02.512 4° 13' 41.494 4° 65' 86.604	40761.6 13619.1 45568.0	7.720 2.579 8.630	" " "
1914	Muruvattūr Martava Pallam Church	h.s. " "	4° 49' 56.80 4° 78' 92.35 4° 77' 30.36	31310 61551 59297	5.930 11.657 11.231	1924	Chāvadipālaiyam Chāvadipālaiyam Chēnjeri	0.1 .0 .0	101 25 37.8 20 9 20.3 20 9 20.3	4° 67' 11.753 4° 21' 71.499 4° 21' 71.499	46900.3 16487.3 16487.3	8.883 3.123 3.123	" " "
1915	Muruvattūr Martava Mannārgudi Church	h.s. " "	4° 27' 66.34 4° 82' 69.04 4° 77' 30.36	18908 67128 59297	3.581 12.714 11.231	1925	Chēnjeri Shānichēttipālaiyam Edayārpālaiyam	0.1 .1 .2	52 10 26.1 59 49 9.9 68 0 24.0	4° 60' 15.479 4° 64' 07.265 4° 67' 11.753	39952.9 43724.7 46900.3	7.567 8.281 8.883	" " "
1916	Kanimārpōttai, XCI Mahendragiri Tirukurungudi Pagoda	No. 1 h.s. " "	4° 52' 44.09 4° 51' 70.38 4° 81' 63.89	33451 32888 65552	6.335 6.229 12.415	1926	Shānichēttipālaiyam Edayārpālaiyam Arakulam	0.0 .0 .1	75 13 28.6 19 16 25.7 85 30 5.7	4° 58' 28.842 4° 12' 15.108 4° 60' 15.479	38751.1 13228.5 39952.9	7.339 2.505 7.567	" " "
1917	Kanimārpōttai, XCI Mahendragiri Kalakād Pagoda	No. 1 h.s. " "	4° 72' 17.13 4° 41' 6.88 4° 81' 63.89	52688 26073 65552	9.979 4.938 12.415	1927	Arakulam Edayārpālaiyam Coimbatore	0.2 .2 .1	42 46 57.0 112 4 28.9 25 8 34.1	4° 79' 20.308 4° 92' 69.588 4° 58' 28.842	61948.5 84519.9 38751.1	11.733 16.008 7.339	" " "

COIMBATORE  
MINOR SERIES. NO. I.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
				Log. feet	Feet	Miles						Log. feet	Feet	Miles	
1928	Coimbatore s. Édayarpálayam " Éttimalai No. 1 h.s.	0.2 .2 .2	93 13 29.3 31 59 58.2 54 46 32.5	4.8791735 4.6040654 4.7920308	75713.5 40185.1 61948.5	14.340 7.611 11.733	Inch 12 "	1940	Coimbatore s. Karimalai No. 1 h.s. Pakásura "	1.1 1.1 1.0	82 24 9.9 50 18 31.9 47 38 38.2	5.1872179 5.0776227 5.0600432	153892.7 119570.1 114826.8	29.146 22.646 21.747	Inch 14 "
1929	Édayarpálayam s. Éttimalai No. 1 h.s. Kinattukkadavu "	0.2 .2 .2	45 16 37.1 42 01 3.5 92 43 9.4	4.7312371 4.7052053 4.8791735	53856.4 50723.0 75713.5	10.200 9.607 14.340	"	1941	Karimalai No. 1 h.s. Pakásura " Mikarubétta "	0.6 .6 .6	28 13 57.4 38 10 12.6 113 35 50.0	4.9000505 5.0161292 5.1872179	79442.1 103783.7 153892.7	15.046 19.656 29.146	"
1930	Kinattukkadavu h.s. Éttimalai No. 1 " Kunam Podári "	0.4 .3 .3	74 15 57.2 67 42 22.3 38 14 0.5	4.9250389 4.9078838 4.7312371	84147.1 80887.9 53856.4	15.937 15.320 10.200	"	1942	Pakásura h.s. Mikarubétta " Dóddabétta "	0.3 .2 .3	67 45 43.2 36 10 0.9 75 58 9.9	4.8790369 4.6852112 4.9000505	75794.4 48440.8 79442.1	14.355 9.174 15.046	"
1931	Éttimalai No. 1 h.s. Kunam Podári " Karimalai No. 1 "	0.6 .6 .5	73 14 59.9 55 12 3.6 51 32 56.5	5.0123702 4.9456265 4.9250389	102889.3 88232.1 84147.1	19.487 16.711 15.937	"	1943	Chénnimalai, LXIX Uráchimalai Yélmatur	h.s. " "	56 51 31 29 36 55 93 31 34	5.009153 4.780139 5.085436	102130 60275 121741	19.343 11.416 23.057	86 "
1932	Kunam Podári h.s. Karimalai No. 1 " Karachimala "	0.3 .4 .4	31 39 11.9 52 46 16.6 95 34 31.5	4.7344053 4.9154664 5.0123702	54250.7 82312.6 102889.3	10.275 15.590 19.487	"	1944	Chénnimalai, LXIX Kátpálayam Yélmatur	h.s. s. h.s.	82 1 30 38 16 44 59 41 46	4.983884 4.780139 4.924297	96357 60275 84003	18.249 11.416 15.910	"
1933	Karachimala h.s. Karimalai No. 1 " Anangamalai "	0.4 .4 .3	98 6 51.5 51 8 1.5 30 45 7.0	5.0213407 4.9170323 4.7344053	105036.6 82609.9 54250.7	19.893 15.646 10.275	"	1945	Paruttimalai, LXXIV Rangamalai, LXXVII Paramati	h.s. h.s. h.s.	45 13 54 87 42 35 47 3 31	5.074170 5.222589 5.087477	118623 166951 122314	22.467 31.620 23.166	"
1934	Karimalai No. 1 h.s. Anangamalai " Pránakod No. 1 "	0.5 .6 .6	30 9 3.2 98 34 3.3 51 16 53.5	4.8300637 5.1242451 5.0213407	67618.2 133120.6 105036.6	12.806 25.212 19.893	"	1946	Kátpálayam Yélmatur Paramati	s. h.s. "	67 50 46 51 59 44 60 9 30	5.012355 4.942168 4.983884	102886 87532 96357	19.486 16.578 18.249	"
1935	Kanapálayam s. Udiyúr h.s. Kátpálayam s.	0.2 .1 .1	87 3 54.3 31 32 23.2 61 23 42.5	4.7901339 4.5092806 4.7341098	61678.5 32305.8 54221.3	11.682 6.119 10.269	24	1947	Chénnimalai, LXIX Uráchimalai Yérramangalam Hill Pagoda	h.s. h.s. h.s.	45 31 42 55 44 44	4.947352 5.011166 5.085436	88583 102604 121741	16.777 19.433 23.057	"
1936	Alagumalai, LXXIII Paruttimalai, LXXIV Kátpálayam s.	0.4 .4 .4	52 19 10 41 39 54 86 0 56	5.031292 4.955552 5.131827	107471 90272 135465	20.354 17.907 25.656	"	1948	Yélmatur Paramati Yérramangalam Hill Pagoda	h.s. " "	94 51 46 22 49 48	5.063624 4.654020 5.012355	115777 45084 102886	21.928 8.539 19.486	"
1937	Chénnimalai, LXIX Alagumalai, LXXIII Kátpálayam s.	0.4 .4 .4	69 8 25 60 24 30 50 27 5	4.955552 4.924297 4.872097	90272 84003 74490	17.997 15.910 14.108	"	1949	Chénnimalai, LXIX Uráchimalai Erode	h.s. h.s. s.	19 4 8 32 6 0 128 49 52	4.708056 4.919321 5.085436	51057 83046 121741	9.670 15.728 23.057	"
1938	Chénnimalai, LXIX Yéttimalai, LXX Pachapálayam s.	0.4 .4 .4	57 47 16.6 37 20 15.2 84 52 28.2	4.9226129 4.7780386 4.9934608	83678.3 59984.4 98595.6	15.848 11.361 18.656	"	1950	Uráchimalai Yérramangalam Hill Pagoda Erode	h.s. " s.	23 38 44 4.708056 130 15 40	4.667994 4.708056 4.947352	46558 51057 88583	8.818 9.670 16.777	"
1939	Udiyúr h.s. Kátpálayam s. Pachapálayam "	0.1 .1 .2	26 32 33.9 62 35 13.8 90 52 12.3	4.4403608 4.7384562 4.7901339	27595.2 54759.1 61678.5	5.221 10.371 11.682	"	1951	Alagumalai, LXXIII Udiyúr Papiréddipálayam Hill Temple	h.s. h.s. h.s.	24 54 58 53 57 11	4.371635 4.654752 4.738806	23531 45160 54803	4.457 8.553 10.379	24 "

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used			
			Log. feet	Feet	Miles					Log. feet	Feet	Miles				
1681	Itikalidurga	h.s.	4' 405035	25412	4' 813	1693	Könköntlu	h.s.	14 21 7	4' 457329	28663	86				
	Pännamale	"	4' 475791	29908	5' 664		Adavi Avalpalli	"	103 25 42	5' 051054	112474		21' 302			
	Gúfür Fort	"	4' 581025	38109	7' 218		Bálesvaramkónda	"†	62 13 11	5' 009908	102308		19' 376			
1682	Itikalidurga	h.s.	4' 939123	86921	16' 462	BANGALORE MINOR SERIES.						" " "				
	Saikalikónda	"	4' 710713	51370	9' 729											
1683	Kóppakóndaráyan Hill Pillar	"	4' 933756	83899	15' 890							86	" " "			" " "
	Rahmanghar	h.s.	5' 071919	118010	22' 350											
1684	Nundydroog	"	4' 157200	14362	2' 720							" " "	" " "			" " "
	Ambájidurga Building	"	5' 059948	114802	21' 743											
1685	Chikkapalli	h.s.	4' 945311	88168	16' 698							" " "	" " "			" " "
	Könköntlu	"	4' 970291	93388	17' 687											
1686	Ambájidurga Building	h.s.	5' 017991	104230	19' 740							" " "	" " "			" " "
	Malapalli Hill Pagoda	"	5' 017991	104230	19' 740											
1687	Chikkapalli	h.s.	4' 894943	78513	14' 870							" " "	" " "			" " "
	Könköntlu	"	4' 995715	99018	18' 753											
1688	Chintámáni Hill Tree	h.s.	5' 017991	104230	19' 740	" " "	" " "			" " "						
	Könköntlu	h.s.	4' 993798	98582	18' 671											
1689	Adavi Avalpalli	"	4' 752203	56520	10' 705	" " "	" " "			" " "						
	Chalamkote	"	5' 009908	102308	19' 376											
1690	Kunnakónda	h.s.	4' 993798	98582	18' 671	" " "	" " "			" " "						
	Adavi Avalpalli	"	5' 136187	136832	25' 915											
1691	Chalamkote	"	5' 072941	118288	22' 403	" " "	" " "			" " "						
	Gaunpalli Fort	h.s.	4' 630352	42693	8' 086											
1692	Buradagunte Fort	h.s.	4' 616852	41386	7' 838	" " "	" " "			" " "						
	Könköntlu	"	4' 664108	46143	8' 739											
1693	Chitiganpalli	h.s.	4' 800802	63212	11' 972	" " "	" " "			" " "						
	Buradagunte Fort	"	4' 616852	41386	7' 838											
1694	Könköntlu	h.s.	4' 616852	41386	7' 838	" " "	" " "			" " "						
	Chalamkote	"	4' 752203	56520	10' 705											
1695	Buradagunte Fort	h.s.	4' 634585	43111	8' 165	" " "	" " "			" " "						
	Könköntlu	"	4' 628624	42523	8' 054											
1696	Chalamkote	h.s.	4' 752203	56520	10' 705	" " "	" " "			" " "						
	Gaunpalli Fort	"	4' 920492	83271	15' 771											
1697	Chalamkote	h.s.	4' 333903	21573	4' 086	" " "	" " "			" " "						
	Pulgurkote Fort*	"	4' 993798	98582	18' 671											
1698	Pávagada, XXXIII	h.s.	62 31 43	163314	30' 931	" " "	" " "			" " "						
	Yérrakónda, XXXIV	"	63 20 45	164508	31' 157											
1699	Byál	h.s.	54 7 32	149152	28' 248	" " "	" " "			" " "						
	Yérrakónda, XXXIV	"	48 18 28	141767	26' 850											
1700	Byál	h.s.	72 21 4	180915	34' 264	" " "	" " "			" " "						
	Kalkote	"	59 20 28	163314	30' 931											
1701	Byál	h.s.	54 49 33	122119	23' 129	" " "	" " "			" " "						
	Kalkote	"	53 33 59	120198	22' 765											
1702	Sítakal	"	71 36 28	141767	26' 850	" " "	" " "			" " "						
	Kalkote	h.s.	76 54 46	136312	25' 817											
1703	Sítakal	"	42 19 25	94229	17' 846	" " "	" " "			" " "						
	Halasúr-bétta, XXXIX	"	60 45 49	122119	23' 129											
1704	Sítakal	h.s.	62 7 44	145878	27' 628	" " "	" " "			" " "						
	Halasúr-bétta, XXXIX	"	62 10 39	145943	27' 641											
1705	Savandurga, XLI	h.s.	55 41 37	136312	25' 817	" " "	" " "			" " "						
	Yérrakónda, XXXIV	h.s.	60 40 44	142022	27' 069											
1706	Byál	h.s.	24 22 49	67666	12' 816	" " "	" " "			" " "						
	Bömmasandra	s.	94 56 27	163314	30' 931											
1707	Pávagada, XXXIII	h.s.	70 17 40	195355	36' 999	" " "	" " "			" " "						
	Yérrakónda, XXXIV	"	63 45 6	186110	35' 248											
1708	Channaráydurga Hill Peak	h.s.	7 45 57	32066	6' 073	" " "	" " "			" " "						
	Pávagada, XXXIII	h.s.	128 20 51	186110	35' 248											
1709	Byál	h.s.	44 38 12	183486	34' 751	" " "	" " "			" " "						
	Channaráydurga Hill Peak	"	100 32 2	256748	48' 627											
1710	Pávagada, XXXIII	h.s.	34 49 46	149152	28' 248	" " "	" " "			" " "						
	Yérrakónda, XXXIV	"	44 38 12	183486	34' 751											
1711	Mákalidurga	h.s.	100 32 2	256748	48' 627	" " "	" " "			" " "						
	Pávagada, XXXIII	"	34 49 46	149152	28' 248											

\* For another triangle to this point, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was greater by 8 feet.  
† For another triangle to this station, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was less by 17 feet.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used
		o	'	"	Log. feet	Feet	Miles				Log. feet	Feet	Miles				
1703	Yérrakönda, XXXIV	37	11	17	5.050075	112221	21.254	Inch	1714	Kodagurki	53	9	50	4.908230	80953	15.332	Inch
	Byál	81	12	55	5.263602	183486	34.751	86		Kavuranhalli	86	30	8	5.004139	100958	19.121	c.t.i.
	Mákalidurga	61	35	48	5.213022	163314	30.931	"		Kundalagurki	"	"	"	4.816014	65466	12.399	"
1704	Rahmanghar	8	17	3	4.230982	17021	3.224	"	1715	Chikkapalli	58	56	17	4.952120	89561	16.962	c.t.i.
	Nundydroog	95	21	16	5.070471	117617	22.276	"		Könkönthu	35	34	10	4.784028	60817	11.518	"
	Kalavardurga	76	21	41	5.059948	114802	21.743	"		Kundalagurki	5	01	7991	104230	19.740	"	
1705	Kodagurki	44	47	27	4.812017	64866	12.285	c.t.i.	1716	Devaráyadurga	46	44	56	4.525022	33498	6.344	36
	Mákalidurga	28	43	7	4.645824	44241	8.379	86		Sítakal	94	58	53	4.661034	45818	8.678	"
	Kalavardurga	106	29	26	4.945882	88284	16.720	"		Nijagalurga Pillar	4	45	624	28485	5.395	"	
1706	Kodagurki	59	8	37	4.894482	78430	14.854	c.t.i.	1717	Devaráyadurga	23	22	49	4.217095	16485	3.122	"
	Mákalidurga	45	46	15	4.810014	65466	12.399	86		Sítakal	113	19	44	4.581448	38146	7.225	"
	Kavuranhalli	75	5	8	4.945882	88284	16.720	"		Héggunda Hill Pagoda	4	45	624	28485	5.395	"	
1707	Mákalidurga	90	28	50	4.925658	84267	15.960	"	1718	Devaráyadurga	35	21	26	4.343003	22029	4.172	"
	Kalavardurga	39	11	20	4.726307	53248	10.085	"		Sítakal	96	12	10	4.578021	37846	7.168	"
	Viralgohalli	50	19	50	4.812017	64866	12.285	"		Rámadevarabétta Pagoda	4	45	624	28485	5.395	"	
1708	Mákalidurga	48	30	40	4.620534	42612	8.070	"	1719	Halasúrbéttá, XXXIX	28	12	40	4.709880	51272	9.711	c.t.i.
	Viralgohalli	20	53	20	4.307132	20283	3.841	"		Kalkote	32	6	21	4.760765	57645	10.918	86
	Ragaswámi Hill Pagoda	57	59	17	4.726307	53248	10.085	"		Dódballapur Idgah	4	97	4183	94229	17.846	"	
1709	Varalkönda	96	50	33	4.859273	72322	13.697	c.t.i.	1720	Halasúrbéttá, XXXIX	49	35	44	4.782855	60653	11.487	c.t.i.
	Kavuranhalli	25	10	10	4.491069	30979	5.867	86		Nundydroog	46	21	46	4.760765	57645	10.918	86
	Gudibanda	57	59	17	4.790741	61765	11.698	"		Dódballapur Idgah	4	98	8840	79221	15.004	"	
1710	Mákalidurga	39	16	8	4.859273	72322	13.697	"	1721	Bömmánhalli	38	2	10	4.885303	76790	14.543	"
	Kavuranhalli	97	23	3	5.054279	113313	21.461	"		Múganáyakankote	103	37	15	5.083221	121121	22.940	c.t.i.
	Gudibanda	43	20	49	4.894482	78430	14.854	"		Köndapur	38	20	35	4.888260	77314	14.643	"
1711	Varalkönda	62	31	55	4.795581	62457	11.829	c.t.i.	1722	Múganáyakankote	125	8	50	4.995412	98949	18.740	"
	Gudibanda	91	21	30	4.847404	70373	13.328	86		Köndapur	15	27	56	4.508787	32269	6.112	"
	Kudikönda Hill Stone	43	20	49	4.491069	30979	5.867	"		Huvinkatte	39	23	14	4.885303	76790	14.543	"
1712	Varalkönda	57	15	34	4.571004	37239	7.053	c.t.i.	1723	Múganáyakankote	42	26	0	4.833359	68117	12.901	"
	Gudibanda	78	20	8	4.637079	43359	8.212	86		Huvinkatte	118	55	32	4.946259	88361	16.735	"
	Avalkönda Hill Peak	43	20	49	4.491069	30979	5.867	"		Salparhalli	18	38	28	4.508787	32269	6.112	"
1713	Varalkönda	71	27	24	4.705691	50780	9.617	c.t.i.	1724	Múganáyakankote	46	29	7	4.434897	27221	5.155	"
	Gudibanda	73	12	20	4.709914	51276	9.711	86		Huvinkatte	74	13	55	4.557783	36123	6.841	"
	Naráyanhalli Hill Pillar	43	20	49	4.491069	30979	5.867	"		Chelúr Fort	4	50	8787	32269	6.112	"	

\* Deduced base. † This base is taken from the Synoptical Volume of the Madras Longitudinal Series.



No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
<b>BANGALORE BASE</b>													
<b>VERIFICATORY TRIANGULATION.</b>													
1725	Bangalore Base-line S.W. End, LII Nágavára Géddahalli	60 9 42 38 15 56 81 34 22	4' 048873 3' 902544 4' 105923	11191 7990 *12762	2' 120 1' 513 2' 417	Inch 24 "							
1726	Nágavára Géddahalli Basavangudda	54 24 44 50 53 51 74 41 25	3' 974775 3' 954438 4' 048873	9436 9004 11191	1' 787 1' 705 2' 120	"							
1727	Bangalore Base-line S.W. End, LII Nágavára Machabétta	58 23 56 74 22 21 47 13 43	4' 170482 4' 223827 4' 105923	14808 16743 *12762	2' 804 3' 171 2' 417	"							
1728	Nágavára Machabétta Hénnúr	55 46 13 50 9 22 74 4 25	4' 104876 4' 072726 4' 170482	12731 11823 14808	2' 411 2' 239 2' 804	"							
1729	Nágavára Basavangudda Ráchénhalli	87 19 21 49 30 3 43 10 36	4' 118749 4' 000274 3' 954438	13145 10006 9004	2' 490 1' 895 1' 705	"							
1730	Nágavára Hénnúr Káchénhalli	49 51 25 54 55 13 75 13 22	3' 970675 4' 000274 4' 072726	9347 10006 11823	1' 770 1' 895 2' 239	"							
1731	Basavangudda Ráchénhalli Sampigehalli	33 44 45 81 38 15 64 37 0	3' 907531 4' 158198 4' 118749	8082 14395 13145	1' 531 2' 726 2' 490	"							
1732	Hénnúr Ráchénhalli Gubbi	63 50 34 72 38 30 43 30 56	4' 085817 4' 112496 3' 970675	12185 12957 9347	2' 308 2' 454 1' 770	"							
1733	Ráchénhalli Sampigehalli Bangalore Base-line N.E. End, LIII	55 11 9 87 29 0 37 19 51	4' 039109 4' 124342 3' 907531	10942 13315 8082	2' 072 2' 522 1' 531	"							
1734	Ráchénhalli Gubbi Bangalore Base-line N.E. End, LIII	32 8 8 82 40 52 65 11 0	3' 853745 4' 124342 4' 085817	7141 13315 12185	1' 352 2' 522 2' 308	"							
<b>ARÚB</b>													
<b>MINOR SERIES.</b>													
	Ankisiridrug Devarabétta Ánehéttidurga	17 38 13 14 0 19 "	4' 976812 4' 879228 5' 215231	94801 75723 104146	17' 955 14' 341 31' 088	Inch 24 "							
	Devarabétta Ánehéttidurga Karibétta	52 56 19 "	4' 890810 4' 876022 4' 976812	77770 75166 94801	14' 729 14' 236 17' 955	"							
	Ánehéttidurga Karibétta Ráyakota	28 41 39 39 45 53 "	5' 053432 4' 766240 4' 890810	113092 58377 77770	21' 419 11' 056 14' 729	"							
	Karibétta Ráyakota Gutiráyán	69 47 37 41 3 56 69 8 27	5' 055285 4' 900386 5' 053432	113576 79503 113092	21' 511 15' 057 21' 419	"							
	Ráyakota Gutiráyán Pikili	36 53 54 55 50 18 87 15 48	4' 834219 4' 973526 5' 055285	68268 94086 113576	12' 930 17' 819 21' 511	"							
	Ánehéttidurga Ráyakota Hudedurgam Pagoda No. 2	31 9 42 20 42 17 "	4' 584373 4' 418954 4' 766240	38404 26239 58377	7' 273 4' 970 11' 056	"							
	Ráyakota Pikili Moruvádi	26 52 30 14 20 12 138 47 18	4' 809926 4' 548528 4' 973526	64554 35361 94086	12' 226 6' 697 17' 819	"							
	Véllármalai Arúr Dialmalai	50 36 42 63 38 25 65 44 53	4' 700795 4' 765013 4' 772508	50211 58212 59234	9' 510 11' 025 11' 218	"							
	Véllármalai Dialmalai Munimalai	52 19 42 15 59 10 111 41 8	4' 695356 4' 236862 4' 765013	49586 17253 58212	9' 391 3' 268 11' 025	"							

\* Measured base. † The continuation of the triangulation will be found in the Synoptical Volume of the Madras Longitudinal Series.  
‡ This base is taken from the Synoptical Volume of the Madras Longitudinal Series.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1745	Dialmalai Munimalai Kanavaiputtūr	73 34 20 65 52 30	4.864243 4.842651 4.693356	73155 69607 49586	13.855 13.183 9.391	1757	Karadigutta, LXII Kurumalai No. 2 Beganūrmalai	64 22 15 50 58 33 64 39 12	4.771847 4.707181 4.772867	59135 50954 59274	11.200 9.650 11.226	Inch C.T.I. "
1746	Vēllārmalai Dialmalai Arūr Fort	53 4 25 55 4 35	4.689946 4.700947 4.765013	48972 50228 58212	9.275 9.513 11.025	1758	Gōllapalli Alankarai Mukanūr	8 41 4 141 25 29 29 53 27	4.302629 4.918539 4.821206	20074 82897 66253	3.802 15.700 12.548	"
1747	Karibētta Gutturāyan Chēllappabētta	34 32 31 79 51 28 65 36 1	4.694608 4.934177 4.900386	49500 85936 79503	9.375 16.276 15.057	1759	Gōllapalli Mukanūr Puthu Isalahalli	88 1 52 35 11 25 56 46 43	4.995785 4.756686 4.918539	99034 57107 82897	18.756 10.816 15.700	"
1748	Gutturāyan Chēllappabētta Karadigutta, LXII	70 24 6 79 59 28 29 36 26	4.974917 4.994175 4.694608	94388 98668 49500	17.877 18.687 9.375	1760	Karadigutta, LXII Gōllapalli Puthu Isalahalli	50 39 17 47 4 10 82 16 33	4.756686 4.732933 4.804357	57107 54067 73174	10.816 10.240 13.859	"
1749	Chēllappabētta Karadigutta, LXII Pikili Hill Mark	54 25 11 65 38 30	4.947907 4.997166 4.974917	88697 99350 94388	16.799 18.816 17.877							
1750	Karadigutta, LXII Pikili Hill Mark Gōllapalli	15 37 6 117 9 10	4.428738 4.864357 4.947907	26837 73174 88697	5.083 13.859 16.799							
1751	Pikili Hill Mark Gōllapalli Alankarai	99 3 44 20 36 27	4.870785 4.428738	75298 26837	14.261 5.083	1761	Savandurga, LXI Devarabētta Bandhallidurga	44 41 42 97 47 48 37 30 30	5.266334 5.415140 5.203703	184644 260100 159846	34.970 49.201 30.274	"
1752	Gōllapalli Alankarai Pikili	75 10 20 40 50 24 63 59 16	4.852883 4.683135 4.821206	71266 48210 66253	13.497 9.131 12.548	1762	Devarabētta Bandhallidurga Pōnnāsibētta	36 19 21 66 43 5 76 57 34	5.050245 5.240794 5.266334	112265 174098 184644	21.262 32.973 34.970	"
1753	Karadigutta, LXII Chēllappabētta Kurumalai No. 2	67 8 41 37 25 45 75 25 34	4.953611 4.772867 4.974917	89869 59274 94388	17.021 11.226 17.877	1763	Bandhallidurga Pōnnāsibētta Kambatirāyan	85 12 55 67 12 30 27 34 35	5.383213 5.349422 5.050245	241664 223574 112265	45.770 42.344 21.262	"
1754	Karadigutta, LXII Gōllapalli Divatipati	76 50 3 55 50 59 47 18 58	4.986439 4.915811 4.864357	96926 82378 73174	18.357 15.602 13.859	1764	Pōnnāsibētta Kambatirāyan Pālamalai	44 49 29 43 48 32 91 21 59	5.231488 5.223602 5.383213	170407 167341 241664	32.274 31.693 45.770	"
1755	Karadigutta, LXII Divatipati Puralgudda	42 51 9 41 19 49 95 49 2	4.750635 4.737860 4.915811	56316 54684 82378	10.666 10.357 15.602	1765	Pālamalai Kambatirāyan Urāchimalai	65 48 59 28 6 37 86 4 24	5.192617 4.905687 5.231488	155818 80480 170407	29.511 15.242 32.274	"
1756	Karadigutta, LXII Puralgudda Chetkuli	51 7 6 48 20 52 80 32 2	4.635042 4.617247 4.737860	43156 41423 54684	8.173 7.845 10.357	1766	Kambatirāyan Urāchimalai Thittamalai, LXI	55 32 23 37 3 54 87 23 43	5.109266 4.973182 5.192617	128608 94012 155818	24.357 17.805 29.511	"

ERODE  
MINOR SERIES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1767	Urāchimalai Thittamalai, LXXI Chēnnumalai, LXIX	50 43 50 61 19 25	5 031107 5 085436 5 109266	107425 121741 128608	20 346 23 057 24 357	Inch 36 "	SALEM	36 59 44 77 11 5 65 49 11	4 761620 4 971246 4 942321	57759 93594 87563	10 939 17 726 16 584	Inch 36 "
1768	Savandurga, XLI Devarabēṭṭa Kabbāldurga	47 50 9 63 15 17 68 54 34	5 103765 5 184674 5 203703	126989 152994 159846	24 051 28 976 30 274	" " C.T.I.	MINOR SERIES.	83 27 17 47 51 4 48 41 39	4 883026 4 754921 4 761620	76388 56875 57759	14 467 10 772 10 939	" " "
1769	Devarabēṭṭa Bandhallidurga Kabbāldurga	34 32 31 41 58 26 103 29 3	5 032064 5 103765 5 206334	107662 126989 184644	20 391 24 051 34 970	36 " C.T.I.		h.s. " h.s.	h.s. " h.s.	h.s. " h.s.	h.s. " h.s.	h.s. " h.s.
1770	Devarabēṭṭa Ānchēttidurga Banavanakal	87 42 28 24 13 5 68 4 27	5 009072 4 622426 4 976812	102111 41920 94801	19 339 7 939 17 955	36 C.T.I. "		72 4 9 61 16 23 46 39 28	4 999708 4 064292 4 883026	99933 92107 76388	18 927 17 444 14 467	" " "
1771	Devarabēṭṭa Kabbāldurga Banavanakal	63 11 16 19 5 39 97 43 5	5 058320 4 622426 5 103765	114372 41920 126989	21 661 7 939 24 051	36 C.T.I. "		h.s. No. 4 No. 4	h.s. No. 4 No. 4	h.s. No. 4 No. 4	h.s. No. 4 No. 4	h.s. No. 4 No. 4
1772	Kōppabēṭṭa, LVIII Bandhallidurga Kambattu Boli	52 11 56 86 19 7 41 28 57	4 985179 5 086576 4 908588	96645 122061 81019	18 304 23 118 15 345	36 C.T.I. "		94 27 58 40 22 4 45 9 58	5 147647 4 900336 4 999708	140491 91272 99933	26 608 17 286 18 927	" " "
1773	Kōppabēṭṭa, LVIII Banavanakal Kambattu Boli	133 16 59 30 18 8 16 24 53	5 245779 5 086576 4 834816	176108 122061 68362	33 354 23 118 12 947	" " "		47 26 51 37 50 32 94 42 37	5 016382 4 936923 5 147647	103844 86482 140491	19 667 16 379 26 608	" " "
1774	Kōppabēṭṭa, LVIII Bandhallidurga Āndalam	24 41 38 108 37 10 40 41 12	4 667625 5 033340 4 908588	46518 105521 81019	8 810 19 985 15 345	" 36 C.T.I.		60 43 31 30 35 29 88 41 0	4 957156 4 723140 5 016382	90606 52862 103844	17 160 10 012 19 667	" " "
1775	Bandhallidurga Kambattu Boli Māthalli	11 58 3 99 29 5 68 32 52	4 333077 5 010381 4 985179	21532 102419 96645	4 078 19 398 18 304	36 C.T.I. "		46 58 30 66 46 40 66 14 50	4 859547 4 958903 4 957156	72368 90971 90606	13 706 17 229 17 160	" " "
1776	Bandhallidurga Āndalam Māthalli	10 20 0 161 17 18 8 22 42	4 757900 5 010381 4 607625	57266 102419 46518	10 846 19 398 8 810	36 C.T.I. "		60 59 20 51 24 10	4 018139 4 869323 4 942321	82821 74016 87563	15 686 14 018 16 584	" " "
1777	Thittamalai, LXXI Kambattirāyan Satyamangalam Fort	14 47 11 32 45 2	4 512203 4 838478 4 973182	32524 68941 94012	6 160 13 057 17 805	36 "		41 59 40 75 12 4 62 48 16	4 637962 4 797847 4 761620	43447 62784 57759	8 229 11 891 10 939	" " "

\* D.uced base. † The continuation of the triangulation will be found in the Synoptical Volume of the South-East Coast Series.

Triangle No.	Station	Corrected Plane Angle	Distance			Theodolite used	Triangle No.	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1788	Kanjamalai, LXV Shevaroy No. 4 h.s. Melur "	77 55 33 37 51 42 64 12 45	5'000135 4'797847 4'964292	10031 62784 92107	18'945 11'891 17'444	36 "	1800	Kanjamalai, LXV Salem Fort Sitāneri Hill Pillar	55 6 25 34 14 41	4'476240 4'312608 4'562281	29939 20540 36499	5'670 3'890 6'913	86 "
1789	Kanjamalai, LXV Pālamalai Mannagundapālaiyam	79 2 57 47 30 30 53 26 33	5'162600 5'038270 5'075437	145412 109212 118970	27'540 20'684 22'532	" "	1801	Mannagundapālaiyam Omālūr Fort Tindimangalam Pagoda	11 50 3 65 2 33 4'828590	4'152006 4'797509 4'828590	14191 62735 67389	2'688 11'882 12'763	" "
1790	Kanjamalai, LXV Shevaroy No. 4 h.s. Mannagundapālaiyam	35 43 5 86 54 49 57 22 6	4'805162 5'038270 4'904292	63850 109212 92107	12'093 20'684 17'444	" "	1802	Kāddamalai Mallikarai Godumalai Hill Peak	46 36 27 45 36 44 4'936923	4'798583 4'791326 4'936923	62890 61848 86482	11'911 11'714 16'379	" "
1791	Shevaroy No. 4 h.s. Mannagundapālaiyam Omālūr Fort	59 42 56 65 22 52 54 54 12	4'828590 4'850922 4'805162	67389 70945 63850	12'763 13'437 12'093	" "	1803	Tenandamalai Mallikarai Nāgalūr	31 58 55 44 25 44 103 35 21	4'752704 4'873826 5'016382	56585 74787 103844	10'717 14'164 19'667	" "
1792	Kanjamalai, LXV Pālamalai Omālūr Fort	66 34 49 21 26 13 91 58 58	5'038350 4'038558 5'075437	109234 43507 118970	20'688 8'240 22'532	" "	1804	Mallikarai Aviarmalai Nāgalūr	16 17 47 95 13 9 68 29 4	4'202606 4'752704 4'723140	15944 56585 52862	3'020 10'717 10'012	" "
1793	Kanjamalai, LXV Omālūr Fort Malaiyampati Hill Pagoda	30 23 26 116 3 25	4'600125 4'849517 4'638558	39822 70716 43507	7'542 13'393 8'240	" "	1805	Mallikarai Nāgalūr Ēttapur Pagoda	52 27 52 29 30 59 4'752704	4'656232 4'449530 4'752704	45314 28153 56585	8'582 5'332 10'717	" "
1794	Kanjamalai, LXV Mannagundapālaiyam Malaiyampati Hill Pagoda	42 51 34 39 58 30	4'874313 4'849517 5'038270	74871 70716 109212	14'180 13'393 20'684	" "	1806	Mallikarai Aviarmalai Ēttapur Pagoda	68 45 39 31 35 42 4'723140	4'699724 4'449530 4'723140	50087 28153 52862	9'486 5'332 10'012	" "
1795	Mannagundapālaiyam Omālūr Fort Tāramangalam Pagoda	13 54 51 131 10 52	4'452089 4'947615 4'828590	28320 88637 67389	5'364 16'787 12'763	" "	1807	Mallikarai Aviarmalai Kōppakundamalai Hill Pagoda	45 19 26 38 1 33 4'723140	4'577998 4'515664 4'723140	37844 32784 52862	7'167 6'209 10'012	" "
1796	Kanjamalai, LXV Omālūr Fort Tāramangalam Pagoda	38 20 22 69 18 2	4'452089 4'630493 4'638558	28320 42706 43507	5'364 8'088 8'240	" "	1808	Mallikarai Nāgalūr Kōppakundamalai Hill Pagoda	29 1 39 29 40 25 4'752704	4'506955 4'515664 4'752704	32133 32784 56585	6'086 6'209 10'717	" "
1797	Mannagundapālaiyam Omālūr Fort Munglipādi Hill Pagoda	31 31 54 70 32 16	4'556775 4'812746 4'828590	36039 64975 67389	6'826 12'306 12'763	" "	1809	Mallikarai Nāgalūr Valiyūr Pagoda	75 28 4 51 12 47 4'752704	4'834421 4'740348 4'752704	68300 54998 56585	12'936 10'416 10'717	" "
1798	Mannagundapālaiyam Omālūr Fort Kusamalai	24 30 50 103 7 38 52 21 32	4'547904 4'018447 4'828590	35311 82879 67389	6'688 15'697 12'763	" "	1810	Tenandamalai Aviarmalai Tīrthamalai	112 8 58 33 55 35 33 55 27	5'177154 4'957181 4'957156	150367 90011 90606	28'479 17'161 17'160	" "
1799	Kanjamalai, LXV Kusamalai Salem Fort	28 29 56 71 24 34 80 5 30	4'264203 4'562281 4'579029	18374 36499 37934	3'480 6'913 7'184	" "	1811	Tenandamalai Shundapanād Tīrthamalai	65 10 28 57 14 6 57 35 26	4'990327 4'957181 4'958903	97797 90011 90971	18'522 17'161 17'229	" "

\* Deduced base.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
				Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1812	Tenandamalai	h.s.	10 15 6	4.309751	20406	3.865	1822	Kurnád	No. 2 h.s.	54 24 41	4.844612	69922	13.243
	Shundapanád	" *	42 15 17	4.887045	77098	14.602		Machátmalai	"	53 31 14	4.839700	69135	13.004
	Maniyapálayam	"	127 29 37	4.958903	90971	17.229		Pónmalai	"	4.912780	81805	15.493	
<b>MALABAR</b>													
<b>MINOR SERIES.</b>													
1813	Purakád	h.s.	65 14 13.8	5.0889702	122735.5	23.245	1825	Eiamkunnú	h.s.	74 29 21	5.088242	122530	23.206
	Narikot	"	51 14 48.6	5.0328717	105407.5	19.964		Pundimúdi Hill Mark	"	4.969846	93292	17.669	
	Pukunnu	s.	63 30 57.6	5.0827123	120979.6	22.913		Yérrandamalai	s.	5.034268	108210	20.494	
1814	Narikot	h.s.	49 45 38.0	4.9951865	98897.8	18.731	1826	Pundimúdi Hill Mark	h.s.	32 48 43	4.944848	88074	16.681
	Pukunnu	s.	58 54 55.2	5.0451413	110953.6	21.014		Yérrandamalai	s.	4.832827	68050	12.888	
	Chekunnu	h.s.	71 19 26.8	5.0889702	122735.5	23.245		Maliattúr	h.s.	102 39 13	5.088242	122530	23.206
1815	Pukunnu	s.	43 8 43.5	4.8406382	69284.8	13.122	1827	Yérrandamalai	s.	57 52 37	5.131604	132313	25.059
	Chekunnu	h.s.	59 23 47.9	4.9405338	87203.5	16.516		Maliattúr	h.s.	87 48 29	5.103449	156117	29.508
	Urátmalai	"	77 27 28.6	4.9951865	98897.8	18.731		Velamalai	"	4.944848	88074	16.681	
1816	Chekunnu	h.s.	61 41 27.2	5.0353221	108473.1	20.544	1828	Maliattúr	h.s.	26 55 37	4.922564	83669	15.846
	Urátmalai	"	84 5 29.4	5.0883278	122554.1	23.211		Velamalai	"	107 20 11	5.246414	176366	33.403
	Pránakod No. 1	"	34 13 3.4	4.8406382	69284.8	13.122		Kodayattúr	"	5.121604	132313	25.059	
1817	Urátmalai	h.s.	51 43 35.3	4.9835346	96779.7	18.235	1829	Velamalai	h.s.	61 42 43	5.079443	120072	22.741
	Pránakod No. 1	"	66 5 6.0	5.0496467	112110.6	21.233		Kodayattúr	"	80 26 15	5.128599	134462	25.466
	Kurnád No. 1	"	62 11 18.7	5.0353221	108473.1	20.544		Néddikunnu	"	4.922564	83669	15.846	
1818	Pránakod No. 1	h.s.	76 1 26.0	5.0146374	103427.8	19.589	1880	Kodayattúr	h.s.	58 41 4	5.034857	108357	20.522
	Kurnád No. 1	"	39 22 36.6	4.8306637	67918.2	12.806		Néddikunnu	"	50 6 33	4.988184	97316	18.431
	Anangamalai	"	64 35 57.4	4.9835346	96779.7	18.235		Ammúrthamolemalai	"	71 12 23	5.079443	120072	22.741
1819	Kurnád No. 1	h.s.	40 5 20.1	4.838770	66661.8	12.635	1881	Néddikunnu	h.s.	102 33 50	5.242536	174798	33.106
	Anangamalai	"	52 16 34.2	4.9131670	81978.0	15.507		Ammúrthamolemalai	"	40 12 12	5.002960	115601	21.894
	Machátmalai	"	87 38 5.7	5.0146374	103427.8	19.589		Udaiyúrmalai	"	37 13 58	5.034857	108357	20.522
1820	Anangamalai	h.s.	68 23 12	4.945953	88298	16.723	1882	Ammúrthamolemalai	h.s.	42 37 59	5.172611	148803	28.182
	Machátmalai	"	67 2 7	4.941754	87449	16.562		Udaiyúrmalai	"	84 39 11	5.339936	218744	41.429
	Álatúr	"	44 34 41	4.833877	66662	12.625		Nedampárai	"	5.242536	174798	33.106	
1821	Anangamalai	h.s.	52 12 38	4.912780	81805	15.493	1883	Udaiyúrmalai	h.s.	45 37 33	5.026952	106403	20.152
	Machátmalai	"	87 42 1	5.014655	103432	19.589		Nedampárai	"	5.004950	101146	19.156	
	Kurnád	No. 2	40 5 21	4.833877	66662	12.625		Málatmalai	"	5.172611	148803	28.182	

\* For another triangle to this station, see the Synoptical Volume of the South-East Coast Series, by which the value of the common side was less by 5 feet.  
 † This base is taken from the Synoptical Volume of the Madras Longitudinal Series, in which the continuation of the triangulation will be found.

SECONDARY TRIANGULATION. TRIANGLES.

Triangle No.	Station	Corrected Plane Angle	Distance			Theodolite used	Triangle No.	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1884	Máilaimalai Nedampárai Kunnatápára	94 51 51 " " 55 49 5	5'107744 4'799200 5'026952	128158 62980 106403	24'272 11'928 20'152	Inch 36 "	Pukunnu Urattmalai Calicut Light-house	150 11 38 4 58 40	5'013802 4'255753 4'940534	103229 18020 87203	19'551 3'413 16'516	Inch 12 "	
1885	Nedampárai Kunnatápára Péramkota	51 3 25 40 48 42 5'107744	4'998827 4'932271 5'107744	99730 83805 128158	18'888 15'872 24'272	" " "	Anangamalai Alatúr Ayyanappamalai	57 32 43 34 38 38 87 48 39	4'868318 4'696781 4'941754	73845 49749 87449	13'986 9'422 16'562	36 " "	
1886	Péramkota Kunnatápára Mukunnumalai	68 56 51 62 4 54 48 58 15	5'091238 5'067503 4'998827	123378 116816 99730	23'367 22'124 18'888	" " "	Anangamalai Kurnád Ananghát	42 19 47 35 54 33 101 45 40	4'852141 4'792140 5'014655	71144 61904 103432	13'474 11'736 19'589	" " "	
1887	Kunnatápára Mukunnumalai Kalamalai	23 29 9 119 49 38 36 41 13	4'915395 5'23226 5'091238	82299 179154 123378	15'587 33'931 23'367	" " "	Anangamalai Ananghát Pránakod	22 45 12 90 49 36 66 25 12	4'417453 4'829961 4'792140	26149 67602 61964	4'953 12'803 11'736	" " C.T.I.	
1888	Mukunnumalai Kalamalai Anaipárai	44 7 35 85 4 7 50 48 18	4'868855 5'024483 4'915395	73936 105799 82299	14'003 20'038 15'587	" " "	Anangamalai Ayyanappamalai Pránakod	116 46 28 36 57 45 26 15 47	5'001623 4'829961 4'696781	100374 67602 49749	19'010 12'803 9'422	36 " C.T.I.	
1889	Anaipárai Kalamalai Muruvattúr	100 23 52 32 47 36 4'868855	4'998891 4'739770 4'868855	99745 54925 73936	18'891 10'402 14'003	" " "	Ayyanappamalai Pránakod Nílgiri Hill Peak	35 22 26 78 52 18 5'001623	4'804337 5'033482 5'001623	63729 108015 100374	12'070 20'457 19'010	36 " C.T.I.	
1840	Kalamalai Muruvattúr Mahendragiri	35 47 51 " " 76 38 5	4'777914 4'970644 4'998891	59967 94764 99745	11'357 17'948 18'891	" " "	Anangamalai Ayyanappamalai Nílgiri Hill Peak	80 38 6 72 20 11 4'696781	5'033482 5'018336 4'696781	108015 104312 49749	20'457 19'756 9'422	36 " "	
1841	Muruvattúr Mahendragiri Maupóttai, XCIV	49 24 14 71 56 59 58 38 47	4'726893 4'824553 4'777914	53320 66766 59967	10'099 12'645 11'357	" " "	Ananghát Pránakod Pandalur	65 26 31 85 15 59 29 17 30	4'686739 4'726433 4'417453	48611 53264 26149	9'207 10'088 4'953	" C.T.I. "	
1842	Mahendragiri Maupóttai, XCIV Kanimárpóttai, XCI	96 14 32 47 9 0 4'726893	4'948821 4'816588 4'726893	88893 65532 53320	16'834 12'415 10'099	" " "	Pránakod Nílgiri Hill Peak Pandalur	103 10 44 44 30 3	4'947077 4'686739 4'804337	88527 48611 63729	16'767 9'207 12'070	" " "	
1843	Maupóttai, XCIV Muruvattúr Kadiapatnam	22 30 18 126 58 37 30 31 5	4'701783 5'021332 4'824553	50325 105034 66766	9'531 19'893 12'645	" " "	Ananghát Pandalur Angádipuram	26 33 43 35 21 17 118 5 0	4'431303 4'543241 4'726433	26996 34933 53264	5'113 6'616 10'088	36 C.T.I. "	
1844	Anaipárai Muruvattúr Kadiapatnam	51 45 23 69 14 33 59 0 4	4'701783 4'777553 4'739770	50325 59917 54925	9'531 11'348 10'402	" " "	Pandalur Angádipuram Kodúrkunnu Hill Mark	60 5 13 79 3 44 4'431303	4'553574 4'607702 4'431303	35775 40523 26996	6'776 7'675 5'113	" " "	
1845	Narikot Chekkunnu Wáytmalai Hill Peak*	30 9 53 33 17 13 5'045141	4'794658 4'832973 5'045141	62324 68073 110954	11'804 12'893 21'014	12 " "	Pandalur Kodúrkunnu Hill Mark Urattmalai	37 2 20 39 53 18	4'580499 4'789241 4'607702	38063 61552 40523	7'209 11'658 7'675	" " "	

\* For another triangle to this point, see the Synoptical Volume of the Madras Longitudinal Series, by which the value of the common side was less by 43 feet.

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1858	Uratmalai Pandalur Koangamalai Hill Mark	61 21 33 42 53 56	4.746147 4.635789 4.789241	55737 43230 61552	10.557 8.188 11.658	Inch c.t.l. "	Kurnád Pönnmalai Shevarattür	84 42 35 26 9 30	4.867312 4.513460 4.839700	73674 32618 69135	13.953 6.178 13.094	Inch "	
1859	Uratmalai Koangamalai Hill Mark Walliattür	75 37 0	4.731437 4.649774 4.635789	53881 44645 43230	10.205 8.455 8.188	"	Kurnád Shevarattür Anaikarakunnu	34 2 58 107 46 50	4.282833 4.325703 4.513460	19179 21169 32618	3.632 4.009 6.178	"	
1860	Uratmalai Walliattür Kotakunnu	38 24 56 93 14 21 48 20 43	4.569702 4.775664 4.649774	37128 59657 44645	7.032 11.299 8.455	"	Machátmalai Pönnmalai Nazarani Church	10 8 23 132 0 7	4.302282 4.927708 4.844612	20058 84666 69922	3.799 16.035 13.243	"	
1861	Uratmalai Kotakunnu Calicut Flag-staff	17 24 50 141 30 22	4.607796 5.014866 4.775664	49865 103482 59657	9.444 19.599 11.299	"	Kurnád Pönnmalai Nazarani Church	16 22 20 59 56 2	4.302282 4.789465 4.839700	20058 61584 69135	3.799 11.664 13.094	"	
1862	Walliattür Kotakunnu Calicut Flag-staff	51 14 39 93 15 39	4.607796 4.805097 4.569702	49865 63841 37128	9.444 12.091 7.032	"	Pönnmalai Elamkunnu Mudelmalai	44 4 59 87 30 28 48 24 33	4.843376 5.000543 4.874800	69723 100125 74955	13.205 18.963 14.196	"	
1863	Kotakunnu Calicut Flag-staff Palkunnu	26 34 37 22 39 12	4.762856 4.991452 4.697796	57924 98051 49865	10.970 18.570 9.444	"	Machátmalai Elamkunnu Mudelmalai	52 59 49 37 9 30 89 50 41	4.843376 4.722096 4.941044	69723 52735 87306	13.205 9.988 16.535	"	
1864	Walliattür Calicut Flag-staff Palkunnu	39 49 31 44 54 0	4.762856 4.954529 4.805097	57924 90059 63841	10.970 17.057 12.091	"	Elamkunnu Mudelmalai Kotakád Church	65 49 20 42 58 17	4.827298 4.700721 4.843376	67189 50202 69723	12.725 9.508 13.205	"	
1865	Walliattür Palkunnu Kannangod Hill Mark	39 0 7 47 52 56	4.754061 4.825439 4.934529	56762 66902 90059	10.750 12.671 17.057	"	Pönnmalai Elamkunnu Kotakád Church	33 14 20 21 41 8	4.700721 4.529466 4.874800	50202 33843 74955	9.508 6.410 14.196	"	
1866	Ananghát Angádirupam Angádirupam House	31 52 39 32 9 42	4.312156 4.315600 4.543241	20519 20882 34933	3.886 3.917 6.616	36 c.t.l.	Machátmalai Pönnmalai Trichúr Flag-staff	42 3 22 51 28 37	4.671421 4.738844 4.844612	46927 54808 69922	8.888 10.380 13.243	"	
1867	Pandalur Angádirupam Angádirupam House	38 42 40 85 55 18	4.312156 4.514901 4.431303	20519 32727 26996	3.886 6.198 5.113	"	Pönnmalai Elamkunnu Trichúr Flag-staff	22 32 50 29 38 48	4.560826 4.671421 4.874800	36377 46927 74955	6.800 8.888 14.196	"	
1868	Uratmalai Kotakunnu Adacheri	80 55 52 45 4 50 53 59 18	4.862307 4.717865 4.775664	72830 52223 59657	13.794 9.891 11.299	"	Yérrandamalai Malliattür Bagvádi Gateway	70 58 54 17 8 57	4.920701 4.414696 4.944848	83311 25983 88074	15.779 4.921 16.681	"	
1869	Walliattür Kotakunnu Adacheri	60 17 32 93 25 33 26 16 55	4.862307 4.92729 4.569702	72830 83701 37128	13.794 15.852 7.032	"	Yérrandamalai Bagvádi Gateway Poiyakota	52 17 2 88 18 32	4.313090 4.217541 4.414696	20563 16502 25983	3.895 3.125 4.921	"	

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1882	Yérrandamalai Malliatúrr Poiyakota	123 15 56 8 5 8 48 38 56	4.991674 4.217541 4.944848	98101 16502 88074	18.580 3.125 10.681	1894	Kunnatápára Pandalakotamalai Padanalam	84 12 9 18 13 11 77 34 40	4.803561 4.300863 4.795500	63615 19902 62445	12.048 3.786 11.827	Inch 86 " " "
1883	Yérrandamalai Poiyakota Chéndamangalam Synagogue	76 15 17 29 49 39	4.222259 3.931576 4.217541	16682 8542 16502	3.160 1.618 3.125	1895	Mukunnnumalai Pandalakotamalai Trivandrum Pagoda	44 22 38 24 59 57	4.658334 4.439556 4.784857	45534 27514 60934	8.624 5.211 11.540	" " "
1884	Malliatúrr Kodayattúrr Cochin Flag-staff	80 12 2 40 7 36	5.303942 5.119535 5.246414	201346 131684 176366	38.134 24.940 33.403	1896	Péramkota Mukunnnumalai Trivandrum Pagoda	13 2 44 93 32 50	4.439556 5.085142 5.067503	27514 121658 116816	5.211 23.041 22.124	" " "
1885	Malliatúrr Velamalai Cochin Flag-staff	53 16 25 63 5 28	5.073206 5.119535 5.121604	118360 131684 132313	22.417 24.940 25.059	1897	Mukunnnumalai Pandalakotamalai Tiruvallam Hill Mark	77 42 50 22 23 29	4.781585 4.372494 4.784857	60476 23577 60934	11.454 4.465 11.540	" " "
1886	Málsilmalai Kunnatápára Ponkonal	106 51 18 28 1 14 45 7 28	4.929704 4.620676 4.799200	85056 41752 62980	16.109 7.908 11.928	1898	Péramkota Mukunnnumalai Tiruvallam Hill Mark	8 11 38 126 53 2	4.372494 5.121619 5.067503	23577 132318 116816	4.465 25.060 22.124	" " "
1887	Udaiyúrmalai Málsilmalai Thoiyarmalai	15 16 36 35 28 20 129 15 4	4.536743 4.879654 5.004950	34415 75797 101146	6.518 14.356 19.156	1899	Kunnatápára Mukunnnumalai Pillikárinji Hill Mark	28 11 50 52 47 57	4.771032 4.997820 5.091238	59024 99499 123378	11.179 18.845 23.367	" " "
1888	Málsilmalai Ponkonal Thoiyarmalai	31 14 14 55 22 5 93 23 41	4.336256 4.530743 4.620676	21600 34415 41752	4.108 6.518 7.908	1900	Mukunnnumalai Kalamalai Pillikárinji Hill Mark	67 1 41 42 31 14	4.905295 4.771032 4.915395	80407 59024 82299	15.229 11.179 15.587	" " "
1889	Ponkonal Thoiyarmalai Konduurai	21 28 24 48 58 3 117 42 3	5.925631 4.239634 4.336256	8426 17363 21600	1.596 3.289 4.108	1901	Mukunnnumalai Kalamalai Meladi	40 11 39 57 45 17	4.729403 4.846841 4.915395	53629 70282 82299	10.157 13.311 15.587	" " "
1890	Udaiyúrmalai Thoiyarmalai Quilon Flag-staff	26 30 47 117 42 3	4.762401 5.059809 4.879654	57863 114705 75797	10.959 21.736 14.356	1902	Mukunnnumalai Kalamalai Attúrr Rock Pagoda	35 50 41 83 0 6	4.740526 4.969685 4.915395	55021 93258 82299	10.421 17.662 15.587	" " "
1891	Udaiyúrmalai Málsilmalai Quilon Flag-staff	41 47 23 78 29 13	4.892371 5.059809 5.004950	78050 114705 101146	14.782 21.736 19.156	1903	Kalamalai Anai párai Kólattúrr Hill Mark	44 8 12 77 44 8	4.782672 4.929804 4.868855	60628 85075 73936	11.483 16.113 14.003	" " "
1892	Péramkota Mukunnnumalai Pandalakotamalai	30 55 11 49 10 12 99 54 37	4.784857 4.929299 5.067503	60934 89728 116816	11.540 16.994 22.124	1904	Mukunnnumalai Kalamalai Kólattúrr Hill Mark	72 4 44 40 55 55	4.929804 4.767753 4.915395	85075 58580 82299	16.113 11.095 15.587	" " "
1893	Kunnatápára Péramkota Pandalakotamalai	62 16 34 38 1 40 79 41 46	4.952929 4.795500 4.998827	89728 62445 99730	16.994 11.827 18.888	1905	Muruvattúrr Kadiapatnam Kudankal Hill Mark	36 51 40 87 12 29	4.561625 4.783047 4.701783	36444 60680 50325	6.902 11.492 9.531	" " "



No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1906	Muruvattūr Kadiapatnam Kōlāchal Landmark	48 1 8 91 25 11	4 759896 4 888561 4 701783	57530 77368 50325	10 896 14 653 9 531	1918	Chēnnimalai, LXIX Alagumalai, LXXIII Kanapālaiyam s.	54 52 46 8 47 50 22 5 77 16 50 7	4 7956116 4 7528628 4 8720970	62461 4 56606 0 74489 8	11 830 10 721 14 108	Inch 24 "	
1907	Muruvattūr Kadiapatnam Kōlāchal Church	32 8 10 92 13 10	4 510895 4 784713 4 701783	32426 60913 50325	6 141 11 537 9 531	1919	Kanapālaiyam s. Alagumalai, LXXIII Udiyūr h.s.	55 29 6 4 54 36 36 6 69 54 17 0	4 7388056 4 7341698 4 7956116	54803 2 54221 3 62461 4	10 379 10 269 11 830	"	
1908	Muruvattūr Kadiapatnam Udayagiri Hill Mark	83 17 15 17 29 42	4 706532 4 187541 4 701783	50878 15401 50325	9 636 2 917 9 531	1920	Alagumalai, LXXIII Udiyūr h.s. Kōlupālaiyam, LXXV	52 10 25 5 101 59 14 3 25 50 20 2	4 9970334 5 0890003 4 7388056	99319 3 122998 6 54803 2	18 810 23 295 10 379	"	
1909	Kalamalai Anaiyārai Udayagiri Flag-staff	21 45 13 110 51 20	4 570907 4 972554 4 868855	37231 93876 73936	7 051 17 780 14 003	1921	Udiyūr h.s. Kōlupālaiyam, LXXV Kalimedu s.	49 53 6 5 53 30 4 3 70 36 49 2	4 8925178 4 9141814 4 9970334	78076 0 82069 4 99319 3	14 787 15 543 18 810	14	
1910	Kalamalai Muruvattūr Udayagiri Flag-staff	11 2 23 67 3 53	4 290465 4 972554 4 998991	19519 93876 99745	3 697 17 780 18 891	1922	Kōlupālaiyam, LXXV Kalimedu s. Chēnjeri h.s.	35 38 45 2 57 28 11 1 86 53 3 7	4 6586604 4 8190432 4 8925178	45568 0 65923 9 78076 0	8 630 12 486 14 787	24	
1911	Muruvattūr Kadiapatnam Martava	77 4 30 57 19 47 45 35 43	4 836687 4 773936 4 701783	68657 59297 50325	13 003 11 231 9 531	1923	Kallimedu s. Chēnjeri h.s. Chāvadipālaiyam s.	61 4 11 4 17 0 10 9 101 55 37 7	4 6102512 4 341494 4 6586604	40761 6 13619 1 45568 0	7 720 2 579 8 630	"	
1912	Muruvattūr Martava Kōtār Church	13 34 38 15 6 30	4 462409 4 507842 4 773936	29001 32199 59297	5 493 6 098 11 231	1924	Kōlupālaiyam s. Chēnjeri h.s. Shānichēttipālaiyam s.	101 25 37 8 20 9 20 3 58 25 1 9	4 6711753 4 2171499 4 6102512	46900 3 16487 3 40761 6	8 883 3 123 7 720	"	
1913	Muruvattūr Martava Shivandram Pagoda	7 31 20 19 39 20	4 230330 4 640166 4 773936	16995 43668 59297	3 219 8 270 11 231	1925	Kallimedu s. Chēnjeri h.s. Chāvadipālaiyam s.	52 10 26 1 59 49 9 9 68 0 24 0	4 6015479 4 6407265 4 6711753	39952 9 43722 7 46900 3	7 567 8 281 8 883	"	
1914	Muruvattūr Martava Pallam Church	29 57 25 79 0 30	4 495680 4 789335 4 773936	31310 61551 59297	5 930 11 657 11 231	1926	Chāvadipālaiyam s. Chēnjeri h.s. Shānichēttipālaiyam s.	75 13 28 6 19 16 25 7 85 30 5 7	4 5882842 4 1215108 4 6015479	38751 1 13228 5 39952 9	7 339 2 505 7 567	"	
1915	Muruvattūr Martava Mannārgudi Church	15 40 40 106 23 0	4 276634 4 826004 4 773936	18908 67128 59297	3 581 12 714 11 231	1927	Shānichēttipālaiyam s. Ēdayārpālaiyam Arakulam	42 46 57 0 112 4 28 9 25 8 34 1	4 7920308 4 9269588 4 5882842	61948 5 84519 9 38751 1	11 733 16 008 7 339	"	
1916	Kanimārpōttai, XCI Mahendragiri No. 1 h.s. Tirukurungudi Pagoda	8 54 29 8 45 25	4 524409 4 517038 4 816589	33451 32888 65552	6 335 6 229 12 415	1927	Arakulam s. Ēdayārpālaiyam Coimbatore	0 2 2 112 4 28 9 1 25 8 34 1	4 7920308 4 9269588 4 5882842	61948 5 84519 9 38751 1	11 733 16 008 7 339	"	
1917	Kanimārpōttai, XCI Mahendragiri No. 1 h.s. Kalakād Pagoda	49 55 13 22 14 57	4 721713 4 416188 4 816589	52688 26073 65552	9 979 4 938 12 415								

COIMBATORE  
MINOR SERIES. NO. I.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
				Log. feet	Feet	Miles						Log. feet	Feet	Miles	
1928	Coimbatore Édayarpálayam Éttimalai No. 1 h.s.	0.2 .2 .2	93 13 29.3 31 59 58.2 54 46 32.5	4.8791735 4.6040654 4.7920308	75713.5 40185.1 61948.5	14.340 7.611 11.733	Inch 12 "	1940	Coimbatore Karimalai No. 1 h.s. Pakásura "	1.1 1.1 1.0	82 2 49.9 50 18 31.9 47 38 38.2	5.1872179 5.0776227 5.0600432	153892.7 119570.1 114826.8	29.146 22.646 21.747	Inch 14 "
1929	Édayarpálayam Éttimalai No. 1 h.s. Kinattukkadaru "	0.2 .2 .2	45 16 37.1 42 0 13.5 92 43 9.4	4.7312371 4.7052053 4.8791735	53856.4 50723.0 75713.5	10.200 9.607 14.340	"	1941	Karimalai No. 1 h.s. Pakásura Mikarubétta "	0.6 .6 .6	28 13 57.4 38 10 12.6 113 35 50.0	4.9000505 5.0161292 5.1872179	79442.1 103783.7 153892.7	15.046 19.656 29.146	"
1930	Kinattukkadaru h.s. Éttimalai No. 1 Kunam Podári "	0.4 .3 .3	74 15 57.2 67 42 22.3 38 1 40.5	4.9250389 4.9078838 4.7312371	84147.1 80887.9 53856.4	15.937 15.320 10.200	"	1942	Pakásura h.s. Mikarubétta Dóddabétta "	0.3 .2 .3	67 45 43.2 36 10 0.9 75 58 9.9	4.8790369 4.6852112 4.9000505	75794.4 48440.8 79442.1	14.355 9.174 15.046	"
1931	Éttimalai No. 1 h.s. Kunam Podári Karimalai No. 1	0.6 .6 .5	73 14 59.9 55 12 3.6 51 32 56.5	5.0123702 4.9456265 4.9250389	102889.3 88232.1 84147.1	19.487 16.711 15.937	"	1943	Chénnimalai, LXIX Uráchimalai Yélmátúr	h.s. " "	56 51 31 29 36 55 93 31 34	5.009153 4.780139 5.085436	102130 60275 121741	19.343 11.416 23.057	86 " "
1932	Kunam Podári h.s. Karimalai No. 1 Karachimala "	0.3 .4 .4	31 39 11.9 52 46 16.6 95 34 31.5	4.7344053 4.9154664 5.0123702	54250.7 82312.6 102889.3	10.275 15.590 19.487	"	1944	Chénnimalai, LXIX Kátpálayam Yélmátúr	h.s. s. h.s.	82 1 30 38 16 44 59 41 46	4.983884 4.780139 4.924297	96357 60275 84003	18.249 11.416 15.910	"
1933	Karachimala h.s. Karimalai No. 1 Anangamalai "	0.4 .4 .3	98 6 51.5 51 8 1.5 30 45 7.0	5.0213407 4.9170323 4.7344053	105036.6 82609.9 54250.7	19.893 15.646 10.275	"	1945	Paruttimalai, LXXIV Rangamalai, LXXVII Paramati	h.s. h.s. h.s.	45 13 54 87 42 35 47 3 31	5.074170 5.222589 5.087477	118623 166051 122314	22.467 31.620 23.166	"
1934	Karimalai No. 1 h.s. Anangamalai Pránakod No. 1	0.5 .6 .6	30 9 3.2 98 34 3.3 51 16 53.5	4.8300637 5.1242451 5.0213407	67618.2 133120.6 105036.6	12.806 25.212 19.893	"	1946	Kátpálayam Yélmátúr Paramati	s. h.s. "	67 50 46 51 59 44 60 9 30	5.012355 4.942168 4.983884	102886 87532 96357	19.486 16.578 18.249	"
1935	Kanapálayam s. Udiyúr h.s. Kátpálayam s.	0.2 .1 .1	87 3 54.3 31 32 23.2 61 23 42.5	4.7901339 4.5092806 4.7341698	61678.5 32395.8 54221.3	11.682 6.119 10.269	24	1947	Chénnimalai, LXIX Uráchimalai Yérramangalam Hill Pagoda	h.s. h.s. h.s.	45 31 42 55 44 44	4.947352 5.011166 5.085436	88583 102604 121741	16.777 19.433 23.057	"
1936	Alagumalai, LXXIII Paruttimalai, LXXIV Kátpálayam s.	0.4 .4 .4	52 19 10 41 39 54 86 0 56	5.031292 4.955552 5.131827	107471 90272 135465	20.354 17.097 25.656	"	1948	Yélmátúr h.s. Paramati Yérramangalam Hill Pagoda	h.s. " s.	94 51 46 22 49 48	5.063624 4.654020 5.012355	115777 45084 102886	21.928 8.539 19.486	"
1937	Chénnimalai, LXIX Alagumalai, LXXIII Kátpálayam s.	0.4 .4 .4	69 8 25 60 24 30 50 27 5	4.955552 4.924297 4.872097	90272 84003 74490	17.097 15.910 14.108	"	1949	Chénnimalai, LXIX Uráchimalai Érode	h.s. h.s. s.	19 4 8 32 6 0 128 49 52	4.708056 4.919321 5.085436	51057 83046 121741	9.670 15.728 23.057	"
1938	Chénnimalai, LXIX Yéttimalai, LXX Pachapálayam s.	0.4 .4 .4	57 47 16.6 37 20 15.2 84 52 28.2	4.9226129 4.7780386 4.9934608	83678.3 59984.4 98595.6	15.848 11.361 18.656	"	1950	Uráchimalai h.s. Yérramangalam Hill Pagoda Érode s.	h.s. h.s. s.	23 38 44 130 15 40	4.667994 4.708056 4.947352	46558 51057 88583	8.818 9.670 16.777	"
1939	Udiyúr h.s. Kátpálayam s. Pachapálayam "	0.1 .1 .2	26 32 33.9 62 35 13.8 90 52 12.3	4.4403608 4.7384562 4.7901339	27505.2 54759.1 61678.5	5.221 10.371 11.682	"	1951	Alagumalai, LXXIII Udiyúr h.s. Papiréddipálayam Hill Temple	h.s. h.s. h.s.	24 54 58 53 57 11	4.371635 4.654752 4.738806	23531 45160 54803	4.457 8.553 10.379	24 " "

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1952	Tirumankaradu, LXXII	18 20 17	4.371635	23531	4.457	24	Chënnimalai, LXIX	84 0 14	5.094076	124187	23.520	Inch 86	
	Udiyür	35 41 20	4.639799	43631	8.264			36 38 46	4.872339	74531	14.116		
	Papireddipálayam Hill Temple	4.781951	60527	11.463	59 21 0			5.031107	107425	20.346			
1953	Kanapálayam	40 45 32	4.550682	35537	6.731	36	Thittamalai, LXXI	101 29 41	4.955795	90322	17.107	"	
	Udiyür	44 12 13	4.579214	37950	7.188			s. 36 30 7	4.739002	54828	10.384		
	Nádkáni	95 2 15	4.734170	54221	10.269			h.s. 42 0 12	4.790134	61679	11.682		
1954	Kanapálayam	46 18 22	4.448817	28107	5.323	"	Alagumalai	40 48 11	4.863974	73109	13.846	C.T.I.	
	Katpálayam	77 29 14	4.579214	37950	7.188			h.s. 85 21 46	5.047330	111514	21.120		
	Nádkáni	56 12 24	4.509281	32306	6.119			" 53 50 3	4.955795	90322	17.107		
1955	Édayárpálayam	117 25 40	4.931480	85404	16.175	14	Kátpálayam	115 48 14	5.111777	129353	24.499	"	
	Arakulam	38 49 23	4.780477	60322	11.425			h.s. 33 36 35	4.900538	79531	15.063		
	Coimbatore Church	4.588284	38751	7.339	h.s. 30 35 11			4.863974	73109	13.846			
1956	Édayárpálayam	5 21 11	3.773518	5936	1.124	"	Arasanamalai	56 48 16	5.151651	141792	26.854	"	
	Coimbatore	71 26 27	4.780477	60322	11.425			h.s. 73 25 51	5.210607	162408	30.759		
	Coimbatore Church	4.792031	61949	11.733	h.s. 49 45 53			5.111777	129353	24.499			
1957	Mikarubëtta	34 44 36	4.645897	44248	8.380	"	Ayyampálayam	100 13 39	4.915349	82290	15.585	"	
	Döddabëtta	67 46 55	4.856592	71877	13.613			h.s. 39 31 49	4.865987	73449	13.911		
	Devarbëtta Hill Mark	4.879637	75794	14.355	h.s. 94 58 55			5.060554	114962	21.773			
1958	Pakásura	53 36 52	4.645897	44248	8.380	"	Irumbarai	45 29 16	4.915349	82290	15.585	"	
	Döddabëtta	8 11 15	3.893627	7828	1.482			h.s. 48 5 3	4.781620	60481	11.455		
	Devarbëtta Hill Mark	4.685211	48441	9.174	h.s. 67 16 12			4.874862	74966	14.198			
1959	Mikarubëtta	77 34 53	4.874510	74905	14.187	"	Ayyampálayam	100 13 39	4.915349	82290	15.585	"	
	Döddabëtta	21 13 46	4.443625	27773	5.260			h.s. 39 31 49	4.865987	73449	13.911		
	Derbëtta Hill Mark	4.879637	75794	14.355	h.s. 94 58 55			5.060554	114962	21.773			
1960	Mikarubëtta	69 3 38	4.854283	71496	13.541	"	Siravanampati	45 29 16	4.915349	82290	15.585	"	
	Döddabëtta	29 0 21	4.509606	37120	7.030			h.s. 48 5 3	4.781620	60481	11.455		
	Kudiakád Hill Mark	4.879637	75794	14.355	h.s. 67 16 12			4.874862	74966	14.198			
1961	Mikarubëtta	74 55 8	4.882085	76223	14.436	"	Përumálmudi	64 38 45	4.865987	73449	13.911	"	
	Döddabëtta	31 18 52	4.613088	41029	7.771			h.s. 85 36 21	4.945581	88223	16.709		
	Kolari Hill Mark	4.879637	75794	14.355	h.s. 51 16 25			4.339033	69029	13.074			
1962	Karachimala	158 40 20	4.991580	98880	18.576	12	Éttimalai	43 7 14	4.781620	60481	11.455	"	
	Anangamalai	3 29 21	4.215164	16412	3.108			h.s. 85 36 21	4.945581	88223	16.709		
	Pághát Fort (helio.)	4.917032	82610	15.646	h.s. 51 16 25			4.339033	69029	13.074			
1963	Anangamalai	41 28 47	4.982209	95886	18.179	"	Karimalai	40 43 18	4.945581	88223	16.709	"	
	Pránakod	110 42 23	5.132118	13556	25.673			h.s. 50 33 44	5.018871	104441	19.780		
	Anginda	4.830064	67618	12.806	h.s. 88 42 58			5.130968	135197	25.606			

\* Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1974	Karimalai Waumalai Ayyampammalai	No. 2 h.s. " "	4° 9' 12.672 4° 7' 78.260 5° 0' 188.71	8,1785 60015 104441	15.490 11.366 19.780	1986	Ayyampalaiyam Siravanampati Ayaswami Hill Peak	39 45 41 99 43 16	4° 9' 08.552 5° 0' 96.368 4° 9' 15.349	81013 124844 82290	15.343 23.045 15.585	Inch C.T.I. "
1975	Waumalai Ayyampammalai Aiatūr	h.s. " "	4° 8' 68.318 4° 6' 46.075 4° 9' 12.672	73845 44267 81785	13.986 8.384 15.490	1987	Irumburai Siravanampati Kurudi Hill Peak	22 25 30 95 9 54	4° 6' 41.549 5° 0' 58.318 5° 0' 07.658	43808 114371 101779	8.297 21.661 19.276	" " "
1976	Ayyampammalai Karimalai Anangamalai	h.s. No. 2 "	5° 0' 21.279 4° 6' 96.791 4° 7' 78.260	105022 49749 60015	19.890 9.422 11.366	1988	Siravanampati Ettimalai Kurudi Hill Peak	69 37 32 35 12 31	4° 8' 52.651 4° 6' 41.549 4° 8' 65.987	71228 43808 73449	13.490 8.297 13.911	" " "
1977	Udiyūr Alagumalai Sivamalai Hill Pagoda	h.s. " "	4° 5' 64.587 4° 7' 39.292 4° 7' 39.002	36693 54865 54828	6.950 10.391 10.384	1989	Siravanampati Ettimalai Kadalūrshi	61 11 48 55 30 51 63 17 21	4° 8' 57.639 4° 8' 31.064 4° 8' 65.987	72051 67774 73449	13.646 12.836 13.911	" " "
1978	Chēnnimalai, LXIX Alagumalai Sivamalai Hill Pagoda	h.s. " "	4° 5' 64.587 4° 6' 76.657 4° 8' 72.339	36693 47496 74531	6.950 8.995 14.116	1990	Ettimalai Karimalai Kadalūrshi	63 1 46 49 8 25 67 49 49	4° 9' 28.931 4° 8' 57.639 4° 9' 45.581	84905 72051 88223	16.080 13.646 16.709	" " "
1979	Udiyūr Alagumalai Chēnnimalai Hill Pagoda	h.s. " "	4° 8' 75.831 5° 0' 06.340 4° 7' 39.002	75133 101470 54828	14.230 19.218 10.384	1991	Ettimalai Kadalūrshi Coimbatore Palace	57 55 29 26 16 15	4° 7' 87.934 4° 5' 05.897 4° 8' 57.639	61367 32055 72051	11.623 6.071 13.646	" " "
1980	Alagumalai Arasamalai Uttukuli	h.s. " "	4° 3' 39.350 4° 7' 72.878 4° 2' 38.138	24751 59276 17304	4.688 11.226 13.846	1992	Siravanampati Kadalūrshi Coimbatore Palace	63 3 39 37 1 6	4° 7' 87.934 4° 6' 17.466 4° 8' 31.064	61367 41444 67774	11.623 7.840 12.836	" " "
1981	Arasamalai Uttukuli Vijāpuri Pagoda	h.s. " "	4° 5' 21.813 4° 2' 38.138 4° 3' 39.350	33252 17304 24751	6.298 3.277 4.688	1993	Ettimalai Karimalai Perūr. Pagoda	97 45 16 12 35 53	4° 9' 69.587 4° 3' 12.252 4° 9' 45.581	93237 20524 88223	17.658 3.887 16.709	" " "
1982	Arasamalai Irumburai Thittamalai, LXXI	h.s. " "	4° 9' 84.712 4° 8' 80.847 5° 2' 10.607	96541 76006 162408	18.284 14.395 30.759	1994	Ettimalai Waumalai Anaimalai Hills, Peak No. 7	32 40 46 77 34 13	4° 8' 90.020 5° 1' 48.375 5° 1' 30.968	77807 140726 135197	14.736 26.653 25.606	" " "
1983	Thittamalai, LXXI Irumburai Satyamangalam Pagoda	h.s. " "	4° 8' 78.061 4° 8' 45.787 4° 9' 84.712	75520 70111 96541	14.303 13.279 18.284	1995	Ettimalai Karimalai Kōlangod Hill Peak	67 58 36 77 50 44	5° 1' 63.122 5° 1' 86.182 4° 9' 45.581	145587 153526 88223	27.573 29.077 16.709	" " "
1984	Thittamalai, LXXI Irumburai Kunārāpālayam Hill Pagoda	h.s. " "	4° 8' 89.765 4° 8' 13.019 4° 9' 84.712	77583 65016 96541	14.694 12.314 18.284	1996	Anangamalai Ananghāt Mannārgāhāt Hill Stone	83 29 5 67 14 17	5° 0' 99.985 5° 0' 67.586 4° 7' 92.140	125888 116839 61964	23.842 22.120 11.736	86 " "
1985	Thittamalai, LXXI Irumburai Kāvalipālayam Pagoda	h.s. " "	4° 6' 85.886 4° 6' 99.034 4° 9' 84.712	48516 50007 96541	9.189 9.471 18.284	1997	Anangamalai Karimalai Mannārgāhāt Hill Stone	37 25 39 80 13 19	4° 8' 57.671 5° 0' 67.586 5° 0' 21.279	72056 116839 105022	13.647 22.120 19.890	" C.T.I. "

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	
		°	'	"	Log. feet	Feet	Miles		
1998	Alátur	h.s.	43	14	23	4° 71' 76.74	52200	9.886	36
	Ayyamappamalai	" s.	61	2	28	4° 52' 39.42	66672	12.627	"
	Pálgát	" s.	75	43	9	4° 56' 31.8	73845	13.986	"
1999	Anangamalai	h.s.	41	35	14	4° 52' 39.42	66672	12.627	"
	Alátur	" s.	77	53	1	4° 59' 21.48	98208	18.600	"
	Pálgát	" s.	60	31	45	4° 54' 17.54	87449	16.562	"
DINDIGUL AND MADURA									
MINOR SERIES.									
2000	Kátpálayam	s.	84	23	33	5° 04' 39.10	110639	20.954	"
	Paruttimalai, LXXIV	h.s.	46	53	9	5° 03' 12.92	107471	20.354	"
2001	Paruttimalai, LXXIV	h.s.	77	20	53	5° 18' 60.80	153490	29.070	"
	Karumalai	"	57	57	28	5° 12' 49.76	133345	25.255	"
2002	Pérumálmalai	h.s.	47	45	30	5° 07' 53.68	118951	22.529	"
	Rishimalai	"	72	47	59	5° 18' 60.80	153490	29.070	"
2003	Pérumálmalai	h.s.	82	34	52	5° 31' 62.15	207117	39.227	"
	Rishimalai	"	34	42	58	5° 07' 53.68	118951	22.529	"
2004	Rishimalai	h.s.	38	6	16	5° 12' 38.75	133007	25.191	"
	Sadragiri	"	21	20	22	4° 50' 44.95	78432	14.855	"
2005	Nagamalai	"	120	33	22	5° 20' 85.92	185006	35.153	"
	Nagamalai	h.s.	91	36	16	5° 17' 54.44	149777	28.367	"
2006	Sikandarmalai	No. 2	62	11	0	5° 18' 29.65	152393	28.862	"
	Sadragiri	"	60	22	22	5° 16' 20.52	145229	27.505	"
2007	Kutipárai	"	121	45	25	5° 34' 42.59	220932	41.843	"
	Minákshi, LXXIV*	h.s.	35	54	34	4° 59' 44.75	98736	18.700	"

\* This station appertains to the South-East Coast Series. † Deduced base.

Triangle No.	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	Triangle No.	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
2020	Paruttimalai, LXXIV Karumalai Virupachi Hill Pagoda	h.s. 37 3 12 52 46 25	4' 823911 4' 944962 5' 043910	66667 88097 110639	12.626 16.685 20.954	Inch 86 "	2082	Nagamalai Tevankurehi Tumbichinayakan Hill Pillar	h.s. 13 44 56 90 14 43	4' 410681 5' 034707 5' 021627	25744 108320 105106	4.876 20.515 19.906	Inch 86 "
2021	Minakshi, LXXIV* Kutiparai Gopalawami	h.s. 28 15 2 123 36 10 28 8 48	4' 995944 5' 241371 4' 994475	99070 174330 98736	18.763 33.017 18.700	" " "	2083	Sadregiri Nagamalai Tumbichinayakan Hill Pillar	h.s. 37 48 44 11 1 18	5' 034707 4' 528636 5' 123875	108320 33778 133007	20.515 6.397 25.191	" " "
2022	Sikandarmalai No. 2 Kutiparai Gopalawami	h.s. 42 6 10 58 31 37 79 22 13	4' 995944 5' 100460 5' 162052	99070 126026 145229	18.763 23.869 27.505	" " "	2084	Minakshi, LXXIV* Gopalawami Kaulikatan	h.s. 57 27 45 51 52 19 70 39 56	5' 192430 5' 162354 5' 241371	155751 145330 174330	29.498 27.525 33.017	" " "
2023	Kutiparai Gopalawami Tevankurehi	h.s. 15 17 21 102 4 55 62 37 44	4' 468602 5' 037779 4' 995944	29417 109089 99070	5.571 20.661 18.763	" " "	2085	Minakshi, LXXIV* Peryur, LXXXIV Kaulikatan	h.s. 11 12 52 41 24 40 127 22 28	4' 630731 5' 162354 5' 242048	42730 145330 174001	8.093 27.525 33.068	" " "
2024	Sadregiri Nagamalai Tevankurehi	h.s. 49 31 48 24 46 14 105 41 58	5' 021627 4' 762586 5' 123875	105106 57888 133007	19.906 10.964 25.191	" " "	2086	Kutiparai Tevankurehi Kaulikatan	h.s. 80 7 19 64 23 45 35 28 56	5' 267527 5' 229124 5' 037779	185151 169482 109089	35.067 32.099 20.661	" " "
2025	Rishimalai Nagamalai Madura Pagoda No. 1	h.s. 24 41 46 128 14 15	4' 857436 5' 131582 4' 894495	72017 135389 78432	13.640 25.642 14.855	" " "	2087	Tevankurehi Kaulikatan Srivilliputtur Pagoda	h.s. 13 15 57 17 15 32	4' 922465 5' 034043 5' 267527	83650 108154 185151	15.843 20.484 35.067	" " "
2026	Nagamalai Tevankurehi Madura Pagoda No. 1	h.s. 86 26 9 35 32 16	5' 092240 4' 857436 5' 021627	123663 72017 105106	23.421 13.640 19.906	" " "	2088	Peryur, LXXIV Kaulikatan Srivilliputtur Pagoda	h.s. 23 45 25 144 22 3	4' 922465 5' 082672 4' 630731	83650 120068 42730	15.843 22.911 8.093	" " "
2027	Rishimalai Nagamalai Madura Pagoda No. 2	h.s. 23 20 3 130 33 40	4' 848827 5' 131679 4' 894495	75604 135419 78432	13.372 25.648 14.855	" " "	2089	Peryur, LXXXIV Kaulikatan Karivalavandanallur Pagoda	h.s. 12 52 1 23 18 24	4' 207493 4' 457020 4' 630731	16121 28643 42730	3.053 5.425 8.093	" " "
2028	Nagamalai Tevankurehi Kudirmalai Hill Pagoda	h.s. 55 13 53 57 20 29	4' 970827 4' 981501 5' 021627	93503 95830 105106	17.709 18.150 19.906	" " "	TRICHINOPLY MINOR SERIES.						
2029	Sadregiri Tevankurehi Kudirmalai Hill Pagoda	h.s. 93 28 29 48 21 29	4' 970827 4' 845128 4' 762586	93503 70005 57888	17.709 13.259 10.964	" " "	2040	Paruttimalai, LXXIV Karumalai Paramati	h.s. 56 39 12 82 17 46 41 3 2	5' 148400 5' 222589 5' 043910	140734 166951 110639	26.654 31.619 20.954	" " "
2080	Sadregiri Tevankurehi Putur Hill Pillar	h.s. 57 10 49 80 40 32	4' 860340 4' 930088 4' 762586	73500 85131 57888	13.731 16.123 10.964	" " "	2041	Karumalai Paramati Topimalai Hill Pagoda	h.s. 81 46 50 36 4 27	5' 197397 4' 971873 5' 148400	157542 93729 140734	29.838 17.752 26.654	" " "
2081	Nagamalai Tevankurehi Putur Hill Pillar	h.s. 37 53 17 25 1 26	4' 860340 4' 698423 5' 021627	73500 49937 105106	13.731 9.458 19.906	" " "							

\* This station appertains to the South-East Coast Series.

No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			No. of Triangle	Station	Corrected Plane Angle o ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
2042	Karamalai Rishimalai Topimalai Hill Pagoda	h.s. " "	5° 22' 37.53 4° 9' 18.73 5° 14' 10.12	167399 93729 138360	31.704 17.752 26.205	2054	Paramati Tállamalai Kávalamalai Hill Stone	h.s. " "	66° 44' 37 24° 46' 41 5° 17' 10.47	5° 13' 43.96 4° 7' 35.53 5° 17' 10.47	136269 62162 148268	Inch 86 "
2043	Paramati Topimalai Hill Pagoda Viramalai	h.s. " "	4° 9' 61.747 5° 26' 61.05 5° 19' 73.97	91569 184572 157542	17.343 34.957 29.838	2055	Paramati Tállamalai Púgalúr Hill Pagoda	h.s. " "	37° 23' 5 13° 52' 27 5° 17' 10.47	5° 06' 22.69 4° 05' 87.95 5° 17' 10.47	115417 45582 148268	" " "
2044	Rangamalai, LXXVII Paramati Viramalai	h.s. " "	5° 26' 61.65 5° 20' 83.86 5° 07' 41.70	184572 161579 118623	34.957 30.402 22.467	2056	Yélmátúr Paramati Púgalúr Hill Pagoda	h.s. " "	25° 46' 43 74° 56' 11 5° 01' 23.55	4° 65' 83.79 5° 00' 48.09 5° 01' 23.55	45538 101113 102886	" " "
2045	Rangamalai, LXXVII Viramalai Tállamalai	h.s. " "	5° 12' 63.59 5° 32' 90.66 5° 20' 83.86	133770 213337 161579	25.335 40.405 30.602	2057	Paramati Tállamalai Sankaramalai Hill Pagoda	h.s. " "	25° 54' 24 45° 31' 35 5° 17' 10.47	4° 83' 46.49 5° 04' 70.99 5° 17' 10.47	68336 111609 148268	" " "
2046	Paramati Viramalai Tállamalai	h.s. " "	5° 12' 63.59 5° 17' 10.47 5° 26' 61.05	133770 148268 184572	25.335 28.081 34.957	2058	Paramati Viramalai Kuradampárai Hill Pagoda	h.s. " "	19° 26' 32 38° 26' 25 5° 26' 61.05	4° 86' 05.59 5° 13' 18.82 5° 26' 61.05	72537 135482 184572	" " "
2047	Viramalai Tállamalai Trichinopoly, Panmalai	h.s. " "	5° 24' 80.95 5° 10' 91.34 5° 12' 63.59	177050 128568 133770	33.532 24.350 25.335	2059	Paramati Viramalai Togamalai Hill Pillar	h.s. " "	4° 19' 28 129° 59' 53 5° 26' 61.05	4° 28' 90.00 5° 29' 58.71 5° 26' 61.05	19454 197638 184572	" " "
2048	Tállamalai Trichinopoly, Panmalai Pagalavádi	h.s. " "	5° 04' 67.78 5° 01' 26.41 5° 24' 80.95	111373 102953 177050	21.093 19.499 33.532	2060	Paramati Tállamalai Togamalai Hill Pillar	h.s. " "	41° 28' 41 89° 54' 52 5° 17' 10.47	5° 11' 69.48 5° 29' 58.71 5° 17' 10.47	130903 197638 148268	" " "
2049	Paramati Tállamalai Yélmátúr	h.s. " "	5° 32' 25.25 5° 01' 23.55 5° 17' 10.47	210148 102886 148268	39.801 19.486 28.081	2061	Paramati Viramalai Ratnagiri	h.s. " "	19° 11' 29 65° 58' 33 94° 49' 58	4° 78' 45.44 5° 22' 83.60 5° 26' 61.05	60890 169184 184572	" " "
2050	Kanjamalai, LXV Sankaridrug Totikaradu Hill Pillar	h.s. " "	4° 66' 19.75 4° 73' 76.54 4° 94' 23.21	45917 54658 87563	8.696 10.352 16.584	2062	Paramati Tállamalai Ratnagiri	h.s. " "	26° 36' 40 92° 15' 46 61° 7' 34	4° 87' 99.12 5° 22' 83.60 5° 17' 10.47	75842 169184 148268	" " "
2051	Tállamalai Yélmátúr Totikaradu Hill Pillar	h.s. " "	5° 12' 49.12 5° 27' 97.89 5° 32' 25.25	133325 190453 210148	25.251 36.071 39.801	2063	Paramati Tállamalai Karúr Pagoda	h.s. " "	19° 56' 25 11° 31' 35 5° 17' 10.47	4° 98' 61.80 4° 75' 40.12 5° 17' 10.47	96868 56756 148268	" " "
2052	Tállamalai Yélmátúr Arnagiri Hill Pagoda	h.s. " "	4° 80' 11.48 5° 19' 97.52 5° 32' 25.25	63263 158399 210148	11.982 30.000 39.801	2064	Tállamalai Ratnagiri Karúr Pagoda	h.s. " "	80° 44' 11 57° 46' 53 4° 87' 99.12	5° 05' 30.08 4° 98' 61.80 4° 87' 99.12	113005 96868 75842	" " "
2053	Yélmátúr Paramati Kávalamalai Hill Stone	h.s. " "	4° 79' 35.23 4° 87' 01.18 5° 01' 23.55	62162 74151 102886	11.773 14.044 19.486	2065	Trichinopoly, Panmalai Pagalavádi Viramalai Hill Pagoda	h.s. " "	117° 21' 37 27° 19' 57 5° 04' 67.78	5° 23' 33.59 4° 94' 08.58 5° 04' 67.78	171143 88479 111373	" " "

\* The continuation of the triangulation will be found in the Synoptical Volume of the South-East Coast Series.  
 † These triangles have been left unadjusted on account of a large discrepancy in the common side.  
 ‡ For another triangle to this point, see the Synoptical Volume of the South-East Coast Series, by which the value of the common side was greater by 4 feet.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
2066	Tállamalai	50 51 12	4.912035	81665	15.467	Inch 86	2073	Kudankulam, XCV	25 29 32	4.460311	28861	Inch 12	
	Pagalavádi	27 1 26	4.679837	47845	9.062	"		Thovalamalai	91 29 19	4.826304	67035	"	
	Tiruvéngimalai Hill Pagoda	5.012641	102953	19.499	"	Amritwamalai		63 1 9	4.776406	59759	11.318	"	
2067	Trichinopoly, Panmalai	38 11 49	4.912035	81665	15.467	"	2074	Thovalamalai	64 10 9	4.529615	33854	"	
	Pagalavádi	84 18 41	5.118645	131415	24.889	"		Tatakamalai	69 32 59	4.547061	35242	"	
	Tiruvéngimalai Hill Pagoda	5.046778	111373	21.093	"	Nágarkoil Longitude		46 16 52	4.434314	27184	5.148	"	
2068	Irúr	20 57 2	4.887252	77135	14.609	C.T.I.	2075	Thovalamalai	63 20 24	4.532641	34091	"	
	Pagalavádi	136 20 57	5.172914	148907	28.202	86		Amritwamalai	67 29 47	4.547061	35242	"	
	Manádevi Hill Pagoda	4.920387	83251	15.767	"	Nágarkoil Longitude		49 9 49	4.400311	28861	5.466	"	
2069	Tállamalai	42 51 37	4.887252	77135	14.609	"	2076	Kudankulam, XCV	48 6 14	4.602445	49354	"	
	Pagalavádi	22 21 19	4.634789	43131	8.169	"		Thovalamalai	64 34 13	4.785730	61056	"	
	Mahádevi Hill Pagoda	5.012641	102953	19.499	"	Cape Comorin		4.776406	59759	11.318	"		
NÁGARKOIL MINOR SERIES.													
2070	Rádhápuram, XCII	61 8 5	4.776406	59759	11.318	12	2077	Thovalamalai	52 46 23	4.841621	69442	"	
	Kudankulam, XCV	82 39 1	4.830439	67677	12.818	"		Amritwamalai	107 54 6	4.919022	82989	"	
	Thovalamalai	36 12 54	4.005475	40316	7.636	"		Kadiapatnam Light-house	4.460311	28861	5.466	"	
2071	Manpóttai, XCIV	91 50 28	4.776406	59759	11.318	"	2078	Thovalamalai	42 26 53	4.678562	47705	"	
	Kudankulam, XCV	25 56 16	4.417504	26152	4.953	"		Amritwamalai	113 27 9	4.811863	64843	"	
	Thovalamalai	62 13 16	4.723452	52900	10.019	"		Chapel No. 1	4.460311	28861	5.466	"	
2072	Manpóttai, XCIV	51 57 34	4.434314	27184	5.148	"	2079	Thovalamalai	31 42 41	4.554709	35868	"	
	Thovalamalai	78 46 52	4.529643	33957	6.412	"		Amritwamalai	123 16 3	4.756288	57054	"	
	Tatakamalai	49 15 34	4.417504	26152	4.953	"		Chapel No. 2	4.460311	28861	5.466	"	
2073	Manpóttai, XCIV	51 57 34	4.434314	27184	5.148	"	2080	Thovalamalai	25 19 30	4.479867	30190	"	
	Thovalamalai	78 46 52	4.529643	33957	6.412	"		Amritwamalai	130 32 17	4.729473	53638	"	
	Tatakamalai	49 15 34	4.417504	26152	4.953	"		Chapel No. 3	4.460311	28861	5.466	"	

\* This base is taken from the Synoptical Volume of the South-East Coast Series.

July, 1894.

J. ECCLES,  
In charge of Computing Office.



## GREAT ARC MERIDIONAL SERIES—SECTION 8° to 18°.

AZIMUTHS OF SURROUNDING STATIONS AND POINTS AT PRINCIPAL,  
PRINCIPAL-AUXILIARY AND SECONDARY STATIONS.

The following table contains, in the first column, the name of each Principal, Principal-Auxiliary, or Secondary Station, at which azimuths of surrounding Points have been measured; immediately followed by those azimuths. The second column contains the number of the triangle which gives the distance between the Station and the Point.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Adacheri h.s.</b>		<b>Ádoni, XXII</b>	
Kotakunnu s. 152 36 44	1868	Gadēkal, XXVI 4 8 12·89	88
Walliattúr h.s. 178 53 39	1869	Rámadrug Hill Fort 5 43 1	850
Uratmalai " 206 36 2	1868	Arakérëbëtta h.s. 20 11 37	286
		Jánikálu, XX 139 46 13·41	81
		Kámannagutta " 180 28 32	248
		Maliabad, XIX 188 9 17·98	26
<b>Adamorsu h.s.</b>		Kère Bēlagal, XXI 247 5 52·75	26
Maliabad, XIX 76 18 21	247	Pulikōnda, XXIII 299 52 38·58	82
Darúr, XVI 251 2 35	246		
Induvási h.s. 341 18 10	246	<b>Ádoni h.s.</b>	
		Arakérëbëtta h.s. 20 3 30	288
<b>Adavi Ávalpalli h.s.</b>		Nēraniki Hill Turret 33 16 34	1042
Bálesvaramkōnda h.s. 13 42 32	1693	Lingadahalli Hill Mark 45 45 21	1090
Pulgurkote Fort 44 20 46	1692	Hōlalagundi " 57 43 58	1081
Rahmanghar " 72 57 6	1618	Pēdda Tumbalam Pagoda 171 57 29	268
Chalamkote " 84 31 23	1687	Kámannagutta " 180 49 52	250
Kōnkōntlu " 117 8 14	1615	Maliabad, XIX 188 15 23	289
Sunnakal " 139 58 35	1522	Chinna Tumbalam Turret 191 36 22	1061
Gatdrug " 155 26 4	1655	Gudikalbëtta " 241 16 48	241
Kunnakōnda " 162 10 29	1429	Kère Bēlagal, XXI 247 1 16	289
Mudimadagu Hill Platform 170 36 28	1515	Kotakal No. 1 Hill Pillar 251 0 22	1088
Yēnnēgamalai Hill Mark 180 49 5	1524	Pulikōnda, XXIII 299 38 57	288
Tēt " 182 47 58	1525		
Metamári Hill Platform 194 20 14	1528	<b>Aivárpalli h.s.</b>	
Tumakōnda " 220 46 19	1429	Pāngal Building 218 18 9	888
Vadankōnda Platform 244 45 58	1529	Etamkōnda Hill Pagoda 246 41 32	889
		Yēllakōnda h.s. 302 28 4	888

Azimuths of surrounding Points		No. of angle giving stance	Name of Station with Azimuths of surrounding Points	No. of angle giving Distance
<b>Akampalle h.s.</b>				
Ganapur, X	140 3 42	152		
Vomëkönda, VII	184 11 50	152		
Anantagiri, VI	244 51 35	153		
<b>Alagamalai h.s.</b>				
Sankaridrug	h.s. 92 29 50	1778		
Kanjamalai, LXV	158 19 1	1778		
Melür	" 233 31 5	1787		
Këddamalai	" 241 46 18	1779		
<b>Alagumalai, LXXIII</b>				
Köllupálayam, LXXV	20 21 47.48	100		
Thittamalai, LXXI	166 23 27.91	96		
Üttukuli Hill Temple	182 47 56	546		
Arasanamalai Hill Temple No. 1	200 43 26	541		
Arasanamalai Hill Mark	200 44 13	545		
Arasanamalai Hill Temple No. 2	200 46 32	543		
Chënnimalai, LXIX	225 44 22.11	94		
Chënnimalai Hill Temple No. 1	226 18 45	548		
Pachapálayam Temple	268 6 31	535		
Kanapálayam	s. 273 34 44.8	1918		
Tirumankaradu, LXXII	280 9 4.06	94		
Kátpálayam	" 286 8 53	1936		
Papirëddipálayam Hill Temple	303 16 24	1951		
Udiyúr	h.s. 328 11 21.6	1919		
Paruttimalai, LXXIV	338 28 2.50	97		
<b>Alagumalai h.s.</b>				
Ayyampálayam	s. 84 58 7	1967		
Thittamalai, LXXI	166 24 56	1964		
Üttukuli	h.s. 182 50 10	1980		
Arasanamalai	" 200 46 21	1966		
Chënnimalai, LXIX	225 45 56	1964		
Chënnimalai Hill Pagoda	226 37 11	1979		
Sivamalai Hill Pagoda	257 37 39	1977		
Kátpálayam	s. 286 8 7	1965		
Udiyúr	h.s. 328 8 19	1965		
<b>Alankarai h.s.</b>				
Göllapalli	h.s. 83 31 46	1751		
Pikili Hill Mark	104 8 13	1751		
Pikili	" 124 22 10	1752		
Mukanúr	" 302 6 17	1758		
<b>Álatúr h.s.</b>				
Machátmalai	h.s. 99 19 5	1820		
Anangamalai	" 143 53 46	1820		
Ayyamappamalai	" 178 32 24	1847		
Pálghát	s. 221 46 47	1998		
Waumalai	h.s. 262 11 1	1975		
<b>Álúr s.</b>				
Hattibëlagal	h.s. 28 7 16		1111	
Arakërbëtta	" 111 31 7		1111	
Gadëkal	" 357 43 13		1112	
<b>Ambájidurga, XXXVI</b>				
Halasúrbëtta, XXXIX	59 15 47.85		54	
Nundydroog Building (helio.)	85 54 56		400	
Mákalidurga, XXXVIII	95 10 35.75		53	
Yërrakönda, XXXIV	145 40 23.71		52	
Innáglúr, XXXV	184 50 48.49		52	
<b>Amgundpálayam h.s.</b>				
Gorantla Fort	42 24 58		1626	
Yërrakönda, XXXIV	51 3 11		1619	
Pëddapalli Fort	71 47 46		1502	
Mallenkönda	h.s. 117 0 10		1629	
Luchërla Fort	122 0 34		1640	
Yënúmulapalle Fort	139 47 21		1504	
Pútaparti Fort	146 13 57		1503	
Mallappakönda	" 163 49 37		1501	
Tummalamalai	" 229 59 49		1621	
Gödduvelagala	" 260 1 11		1620	
Pulagampalli Pagoda	272 31 0		1625	
Köndakömerla Fort	282 32 29		1627	
Innáglúr Hill Staff	282 57 53		1501	
Itikalurga	" 353 49 1		1619	
<b>Ammúrthamolemalai h.s.</b>				
Udaiyúrmalai	h.s. 30 37 46		1831	
Nëddikunnu	" 70 49 58		1830	
Kodayattúr	" 142 2 21		1830	
Nedampárai	" 347 59 47		1832	
<b>Amrabad h.s.</b>				
Munnanúr	h.s. 102 44 37		967	
Maishagutta	" 150 32 14		957	
Sirsangandla Hill Pagoda	164 6 41		972	
Devarakönda No. 2	" 196 0 9		957	
<b>Amritwamalai h.s.</b>				
Chapel No. 3	64 11 53		2080	
Chapel No. 2	71 28 7		2079	
Chapel No. 1	81 17 1		2078	
Kadiapatnam Light-house	86 50 4		2077	
Nágarkoil Longitude	s. 127 14 23		2075	
Thovalamalai	h.s. 194 44 10		2073	
Kudankulam, XCV	257 45 19		2073	

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Ánaikarakunnu s.</b>	° ' "	<b>Anantagiri, VI—(Contd.)</b>	° ' "
Shevarattúr s.	45 26 36	1871 Akampalle h.s.	64 56 38 153
Kurnád No. 2 h.s.	297 39 46	1871 Vomékõnda, VII	109 16 7' 67 5
<b>Ánaimalai h.s.</b>		Kandênmarai, IV	145 59 37' 53 12
Vempalli Hill Pagoda	17 38 15	Kotamaripalle	165 22 26 160
Dikúnraidu Hill Pagoda	21 1 5	Mõthakapalle, V	174 13 57' 18 5
Pípád h.s.	70 4 43	Topkõnda, III	225 43 8' 91 11
Mõpur	105 6 47	Pargi	333 32 3 167
Uppulúr Hill Platform	138 12 11	Põchamagat, IX	347 24 5' 19 18
Gandikot	146 1 44	<b>Anantapur h.s.</b>	
Wámkõnda	156 9 3	Tanagal h.s.	30 2 26 935
Kálamalla Hill Platform	167 44 14	Rávaichëru	77 45 46 937
Valasapalli	181 22 15	Ráyalampád Hill Rock	90 21 26* 940
Prõddutúr Pagoda	186 5 34	Darúr, XVI	104 10 26 936
Kamalápuram	226 39 13	Yëllakõnda	293 3 23 935
Pëdda Chëppalli Pagoda	229 25 27	<b>Ánchëttidurga, LVI</b>	
Pushpagiri h.s.	240 45 17	Mariyálam, LVII	40 48 53' 23 73
Lankamalai	242 2 13	Devarabëtta, LV	97 55 22' 21 72
Nëlkurti	321 4 1	Hõsúr h.s.	159 49 38 467
<b>Ánaipárai h.s.</b>		Hõsúr, L	160 1 59' 82 72
Kõlattúr Hill Mark	103 7 11	1908	
Mukunnumalai h.s.	130 3 1	1838	
Kalamalai	180 51 19	1838	
Muruvattúr	281 15 11	1839	
Udayagiri Flag-staff	291 42 39	1909	
Kadiapatnam	333 0 34	1844	
<b>Anangamalai h.s.</b>		<b>Ánchëttidurga h.s.</b>	
Machátmalai h.s.	32 15 22' 0	Karibëtta h.s.	47 22 1 1737
Kurnád No. 2	84 28 0	Banavanakal	73 37 3 1770
Kurnád No. 1	84 31 56' 6	Devarabëtta	97 50 8 1736
Ánanghát	126 47 47	Ankisgiri drug	246 11 36 1736
Pránakod No. 1	149 7 54' 5	Ráyakota	295 49 33 1738
Pránakod No. 2	149 32 59	Hudedurgam Pagoda No. 2	326 59 15 1741
Nílgi Hill Peak	185 41 21	<b>Andalam h.s.</b>	
Anginda	190 36 42	Bandhallidurga h.s.	152 56 38 1774
Mannárhát Hill Stone	210 16 52	Kõppabëtta, LVIII	199 37 50 1774
Karimalai No. 1	247 41 58' 4	Máthalli	314 13 56 1776
Karimalai No. 2	247 42 31	<b>Ánëkalgudda h.s.</b>	
Ayyamappamalai	266 19 27	Kuravinkal Hill Pagoda	7 44 35 1369
Karachimala	278 27 5' 7	Kõttúr Pagoda	19 2 40 1292
Pálghát Fort (helio.)	281 56 27	Narsimdevaragudda h.s.	34 18 24 1223
Pálghát s.	282 16 56	Karëddigudda No. 1	43 50 11 1279
Álatúr h.s.	323 52 10	Jájkalgudda Hill Platform	51 43 14 1281
<b>Ánanghát h.s.</b>		Bëttadmallappangudda	70 40 28 1224
Kurnád No. 2 h.s.	48 31 53	Gugamaldi Building	91 0 21 1290
Angádipuram s.	123 56 23	Bandarangangudda Hill Pagoda	136 54 23 1269
Pandalúr h.s.	150 30 6	Rámesvarambanda s.	139 29 51 1248
Angádipuram House	155 49 2	Kopal h.s.	151 40 40 1253
Pránakod No. 2	215 56 37	Bahádurbanda s.	152 59 58 1251
Mannárhát Hill Stone.	239 31 56	Náráyanadevarakeri Pagoda	177 43 19 1266
Anangamalai	306 46 13	Devaragudda Hill Pagoda	185 54 35 1271
<b>Anantagiri, VI</b>		Shivapuram Hill Pagoda	190 2 35 1257
Linganapalle h.s.	37 13 11	Kumára Bamankumath Fort	191 3 30 1275
Pialmudi s.	45 1 55	Barikalgudda h.s.	192 59 10 1249
Kodangal, VIII	49 41 51' 25	Dhanáyakanakeri Building	213 15 25 1268
Devanúr	52 42 42	Jambanáth	213 18 47 1247
		Rámandrug	242 8 47 1222
		Vutrimala Hill Turret	296 42 16 1284
		Jarimalai	321 36 21 1222
		Kúdligi Fort	331 3 16 1277
		Viranadrug Turret	337 42 29 1362
		Shiddalingana Fort	351 21 21 1364
		Bairadávagudda Fort	357 27 56 1367

\* From unadjusted triangle, vide page 74—A.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Angádipuram s.</b>	o ' "	<b>Arasákulam, XCVI</b>	o ' "
Kodúrkunnu Hill Mark	106 46 43	1856 Idindakarai, CII	13 52 52.63
Pandalúr	h.s. 185 50 27	1855 Kudankulam, XCV	42 54 51.75
Angádipuram House	271 45 45	1866 Cape Comorin Base-line S. End, CI	76 52 16.85
Ananghát	" 303 55 27	1855 Cape Comorin Base-line N. End, C	107 9 2.33
		Rádhápúram, XCII	144 28 50.19
		Ilaiyanainárkulam, XCVIII	170 4 6.19
<b>Anginda h.s.</b>		<b>Arasanamalai h.s.</b>	
Anangamalai	h.s. 10 37 30	1963 Alagumalai	h.s. 20 47 12
Pránakod	No. 1 " 38 26 20	1963 Ayyampálayam	s. 54 23 47
		Úttukuli	h.s. 68 18 31
		Irumbarai	" 111 12 3
<b>Ankisgiridrug h.s.</b>		Thittamalai, LXXI	133 33 9
Hudedurgam Pagoda No. 1	46 19 59	Vijayápurí Pagoda	171 22 30
Anchéttidurga	h.s. 66 14 9	Kátpálayam	s. 326 57 9
Devarabétta	" 83 52 22		
Tirthapalli, XLVI	152 7 26	<b>Aringyanmalai h.s.</b>	
Yérrakönda, XX*	224 0 30	Paruttimalai, LXXIV	173 11 58
		Rangamalai, LXXVII	221 29 18
		Kalugumalai, LXXX	290 20 1
<b>Annamkönda h.s.</b>		<b>Arúr h.s.</b>	
Lachhmanpur	h.s. 10 19 35	Dialmalai	h.s. 58 9 7
Suldapur	" 115 57 12	Véllármalai	" 121 47 32
Kishoragutta	" 308 17 36		
Medcharla Mosque	331 23 6	<b>Arved s.</b>	
Nágalúr Hill Mosque	359 39 8	Sádkönda	h.s. 33 19 21
		Ísvaramalai	" 102 21 57
		Véllíchalmalai Hill Mark	127 25 11
<b>Apsándra h.s.</b>		<b>Aviarmalai h.s.</b>	
Hósúr	h.s. 10 21 39	Mallikarai	h.s. 55 5 31
Shivansandra	" 87 50 2	Éttapur Pagoda	86 41 13
Karadibanda	" 233 3 26	Köppakundamalai Hill Pagoda	93 7 4
Márkandesvara	" 274 10 37	Tenandamalai	" 143 46 31
		Nágalúr	" 150 18 40
		Tirthamalai	" 177 42 6
		Shundapanád	" 210 33 11
<b>Arakërebétta h.s.</b>		<b>Ávuladevarakönda h.s.</b>	
Halaharivi Fort	22 14 27	Piádádindikönda Hill Peak	14 4 43
Moka Fort	35 24 3	Urákönda, XXXII	21 7 21.6
Korlagöndi Pagoda	58 9 37	Köndapalli, XXXI	82 40 57.8
Guddadur No. 1	h.s. 63 29 39	Yellari Fort	104 38 13
Guliyam Fort	66 8 56	Devarakönda, XXVIII	142 34 14.6
Hölagundi	" 122 7 3	Singanamalai Fort	179 35 11
Néraniki Hill Turret	153 37 33	Chaid Fort	187 14 20
Ádoni	" 200 2 4	Nallakönda	h.s. 213 30 30
Ádoni, XXII	200 10 10	Pédda Kotla	" 267 1 48
Pulikönda, XXIII	261 18 20	Pédda Kotla Fort	275 59 48
Álúr	s. 291 30 29	Gudankönda Hill Pillar	280 58 38
Hattibélagal	h.s. 334 3 11	Pálkönda	No. 1 " 287 42 7.0
Gadékal, XXVI	350 10 34	Pálkönda	No. 2 " 287 42 38
Gadékal	" 350 12 6	Dampetla Fort	305 29 54
		Dampetla	" 315 53 17
<b>Arakulam s.</b>		Mallappakönda	" 344 49 58.1
Édayárpálayam	s. 53 30 48.5		
Coimbatore Church	92 20 12		
Coimbatore	" 96 17 45.7		
Shámichéttipálayam	" 328 0 42.7		

\* This station appertains to the Madras Longitudinal Series.

No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles						Log. feet	Feet	Miles	
1906	Muruvattūr Kadiapatnam Kōlāchal Landmark	h.s. " "	4'759896 4'888561 4'701783	57530 77368 50325	10'896 14'653 9'531	" " "	Chēnimalai, LXIX Alagumalai, LXXIII Kanapālaiyam s.	0'3 0'2 0'3	54 52 46'8 47 50 22'5 77 16 50'7	62461'4 56606'0 74489'8	11'830 10'721 14'108	" " "		
1907	Muruvattūr Kadiapatnam Kōlāchal Church	h.s. " "	4'510895 4'784713 4'701783	32426 60913 50325	6'141 11'537 9'531	" " "	Kanapālaiyam s. Alagumalai, LXXIII Udayūr h.s.	0'2 0'2 0'3	55 29 6'4 54 36 36'6 69 54 17'0	54803'2 54221'3 62461'4	10'379 10'269 11'830	" " "		
1908	Muruvattūr Kadiapatnam Udayagiri Hill Mark	h.s. " "	4'706532 4'187541 4'701783	50878 15401 50325	9'636 2'917 9'531	" " "	Alagumalai, LXXIII Udayūr h.s.	0'4 0'5	52 10 25'5 101 59 14'3	99319'3 12298'6	18'810 23'295	" "		
1909	Kalamalai Anaipārai Udayagiri Flag-staff	h.s. " "	4'570907 4'972554 4'868855	37231 93876 73936	7'051 17'780 14'003	" " "	Udayūr h.s. Kōllupālaiyam, LXXV	0'4 0'5	52 10 25'5 25 50 20'2	99319'3 54803'2	18'810 10'379	" "		
1910	Kalamalai Muruvattūr Udayagiri Flag-staff	h.s. " "	4'200465 4'972554 4'998891	19519 93876 99745	3'697 17'780 18'891	" " "	Udayūr h.s. Kōllupālaiyam, LXXV	0'5 0'5	49 53 6'5 53 30 4'3	78076'0 82069'4	14'787 15'543	" "		
1911	Muruvattūr Kadiapatnam Martava	h.s. " "	4'836687 4'773036 4'773036	68657 59297 50325	13'003 11'231 9'531	" " "	Udayūr h.s. Kōllupālaiyam, LXXV	0'2 0'2	35 38 45'2 57 28 11'1	45568'0 65923'9	8'630 12'486	" "		
1912	Muruvattūr Martava Kōtār Church	h.s. " "	4'462409 4'507842 4'773036	29001 32199 59297	5'493 6'098 11'231	" " "	Kōllupālaiyam, LXXV s. Kallimedu h.s.	0'2 0'3	35 38 45'2 86 53 3'7	45568'0 78076'0	8'630 14'787	" "		
1913	Muruvattūr Martava Shivandram Pagoda	h.s. " "	4'230330 4'640166 4'773036	16995 43668 59297	3'219 8'270 11'231	" " "	Kallimedu s. Chēnjeri h.s. Chāvādi-pālaiyam s.	0'0 0'0 0'1	61 4 11'4 17 0 10'9 101 55 37'7	40761'6 13619'1 45568'0	7'720 2'579 8'630	" " "		
1914	Muruvattūr Martava Pallam Church	h.s. " "	4'495680 4'789235 4'773036	31310 61551 59297	5'930 11'657 11'231	" " "	Chāvādi-pālaiyam s. Chēnjeri h.s. Shānichēttipālaiyam s.	0'1 0'0 0'1	101 25 37'8 20 9 20'3 58 25 1'9	46900'3 16487'3 40761'6	8'883 3'123 7'720	" " "		
1915	Muruvattūr Martava Mannārgudi Chureh	h.s. " "	4'276634 4'846904 4'773036	18908 67128 59297	3'581 12'714 11'231	" " "	Chēnjeri h.s. Shānichēttipālaiyam s. Ēdayārpālaiyam "	0'1 0'1 0'2	52 10 26'1 59 49 9'9 68 0 24'0	39952'9 43724'7 46900'3	7'567 8'281 8'883	" " "		
1916	Kanimārpōttai, XCI Mahendragiri No. 1 h.s. Tirukurugudi Pagoda	h.s. No. 1 h.s. "	4'524409 4'517038 4'816589	33451 32888 65552	6'335 6'229 12'415	" " "	Shānichēttipālaiyam s. Ēdayārpālaiyam Arakulam "	0'0 0'0 0'1	75 13 28'6 19 16 25'7 85 30 5'7	45882842 13228'5 39952'9	7'339 2'505 7'567	" " "		
1917	Kanimārpōttai, XCI Mahendragiri No. 1 h.s. Kalakād Pagoda	h.s. No. 1 h.s. "	4'721713 4'416188 4'816589	52668 26073 65552	9'979 4'938 12'415	" " "	Arakulam s. Ēdayārpālaiyam Coimbatore "	0'2 0'2 0'1	42 46 57'0 112 4 28'9 25 8 34'1	61948'5 84519'9 45882842	11'733 16'008 7'339	" " "		

COIMBATORE

MINOR SERIES. NO. I.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			No. of Triangle	Station	Spherical Excess	Corrected Plane Angle	Distance			Theodolite used
				Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1928	Coimbatore Edayárpálayam Ettimalai No. 1 h.s.	" 0.2 .2 .2	93 13 29.3 31 59 58.2 54 46 32.5	4.8791735 4.6040654 4.7920308	75713.5 40185.1 61948.5	14.340 7.611 11.733	1940	Coimbatore Karimalai No. 1 h.s. Pakásura "	" 1.1 1.1 1.0	82 2 49.9 50 18 31.9 47 38 38.2	5.1872179 5.0776227 5.0600432	153892.7 119570.1 114826.8	29.146 22.646 21.747	Inch 14 "
1929	Edayárpálayam Ettimalai No. 1 h.s. Kinattukkedavu "	0.2 .2 .2	45 16 37.1 42 0 13.5 92 43 9.4	4.7312371 4.7052053 4.8791735	53856.4 50723.0 75713.5	10.200 9.607 14.340	1941	Karimalai No. 1 h.s. Pakásura " Mikarubétta "	0.6 .6 .6	28 13 57.4 38 10 12.6 113 35 50.0	4.9000505 5.0161292 5.1872179	79442.1 103783.7 153892.7	15.046 19.656 29.146	" " "
1980	Kinattukkedavu h.s. Ettimalai No. 1 " Kunam Podári "	0.4 .3 .3	74 15 57.2 67 42 22.3 38 1 40.5	4.9350389 4.9078838 4.7312371	84147.1 80887.9 53856.4	15.937 15.320 10.200	1942	Pakásura h.s. Mikarubétta " Döddabétta "	0.3 .2 .3	67 45 43.2 36 16 6.9 75 58 9.9	4.87906369 4.6852112 4.9000505	75794.4 48440.8 79442.1	14.355 9.174 15.046	" " "
1981	Ettimalai No. 1 h.s. Kunam Podári " Karimalai No. 1 "	0.6 .6 .5	73 14 59.9 55 12 3.6 51 32 56.5	5.0123702 4.9456265 4.9350389	102889.3 88232.1 84147.1	19.487 16.711 15.937	1943	Chénnimalai, LXIX Uráchimalai Yélmatur "	h.s. h.s. "	56 51 31 29 36 55 93 31 34	5.009153 4.780139 5.085436	102130 60275 121741	19.343 11.416 23.057	36 " "
1982	Kunam Podári h.s. Karimalai No. 1 " Karachimala "	0.3 .4 .4	31 39 11.9 52 46 16.6 95 34 31.5	4.7344053 4.9154664 5.0123702	54250.7 82312.6 102889.3	10.275 15.590 19.487	1944	Chénnimalai, LXIX Kátpálayam Yélmatur "	h.s. h.s. h.s.	82 1 30 38 16 44 59 41 46	4.683884 4.780139 4.924297	96357 60275 84003	18.249 11.410 15.910	" " "
1983	Karachimala h.s. Karimalai No. 1 " Anangamalai "	0.4 .4 .3	98 6 51.5 51 8 1.5 30 45 7.0	5.0213407 4.9170323 4.7344053	105036.6 83609.9 54250.7	19.893 15.646 10.275	1945	Paruttimalai, LXXIV Rangamalai, LXXVII Paramati h.s.	h.s. h.s. h.s.	45 13 54 87 42 35 47 3 31	5.074170 5.222589 5.087477	118623 166951 122314	22.467 31.620 23.166	" " "
1984	Karimalai No. 1 h.s. Anangamalai " Pránakod No. 1 "	0.5 .6 .6	30 9 3.2 98 34 3.3 51 16 53.5	4.8300637 5.1242451 5.0213407	67618.2 133120.6 105036.6	12.806 25.212 19.893	1946	Kátpálayam Yélmatur Paramati	s. h.s. "	67 50 46 51 59 44 60 9 30	5.012355 4.942168 4.983884	102886 87532 96357	19.486 16.578 18.249	" " "
1985	Kanapálayam s. Udiyúr h.s. Kátpálayam s.	0.2 .1 .1	87 3 54.3 31 32 23.2 61 23 42.5	4.7901339 4.5092806 4.7341698	61678.5 32305.8 54221.3	11.682 6.119 10.269	1947	Chénnimalai, LXIX Uráchimalai Yérramangalam Hill Pagoda	h.s. h.s. h.s.	45 31 42 55 44 44	4.947352 5.011166 5.085436	88583 102604 121741	16.777 19.433 23.057	" " "
1986	Alagumalai, LXXIII Paruttimalai, LXXIV Kátpálayam s.	52 19 10 41 39 54 86 0 56	5.031292 4.95552 5.131827	107471 90272 135465	20.354 17.097 25.656	1948	Yélmatur h.s. Paramati Yérramangalam Hill Pagoda	h.s. h.s. h.s.	94 51 46 22 49 48	5.063624 4.054020 5.012355	115777 45084 102886	21.928 8.539 19.486	" " "	
1987	Chénnimalai, LXIX Alagumalai, LXXIII Kátpálayam s.	69 8 25 60 24 30 50 27 5	4.95552 4.924297 4.872097	90272 84003 74490	17.097 15.910 14.108	1949	Chénnimalai, LXIX Uráchimalai Erode	h.s. h.s. s.	19 4 8 32 6 0 128 49 52	4.708056 4.919321 5.085436	51057 83046 121741	9.670 15.728 23.057	" " "	
1988	Chénnimalai, LXIX Yéttimalai, LXX Pachapálayam s.	0.4 .4 .4	57 47 16.6 37 20 15.2 84 52 28.2	4.9226129 4.7780386 4.9934608	83678.3 59984.4 96505.6	15.848 11.361 18.656	1950	Uráchimalai h.s. Yérramangalam Hill Pagoda Erode s.	h.s. h.s. s.	23 38 44 130 15 40	4.667994 4.708056 4.947352	46558 51057 88583	8.818 9.670 16.777	" " "
1989	Udiyúr h.s. Kátpálayam s. Pachapálayam "	0.1 .1 .2	26 32 33.9 62 35 13.8 90 52 12.3	4.4403608 4.7394562 4.7901339	27565.2 54759.1 61678.5	5.221 10.371 11.682	1951	Alagumalai, LXXIII Udiyúr h.s. Papiréddipálayam Hill Temple	h.s. h.s. h.s.	24 54 58 53 57 11	4.371635 4.054752 4.738806	23531 45160 54803	4.457 8.553 10.379	24 " "

\* Deduced base.

No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle			Distance			Theodolite used		
		°	'	"	Log. feet	Feet	Miles				°	'	"	Log. feet	Feet	Miles			
1952	Tirumankaradu, LXXII Udiyūr Paparēddipālayam Hill Temple	h.s.	18	20	17	4° 37' 16.35	23531	4.457	24	Chēnnimalai, LXIX Thittamalai, LXXI Alagumalai	h.s.	84	0	14	5° 09' 40.76	124187	23.520	36	
1953	Kanapālayam Udiyūr Nādkāni	s. h.s. "	40	45	32	4° 55' 06.82	35537	6.731	36	Udiyūr Kātpālayam Alagumalai	h.s. s. h.s.	101	29	41	4° 95' 57.95	90322	17.107	"	
1954	Kanapālayam Kātpālayam Nādkāni	s. " h.s.	44	12	13	4° 57' 21.14	37950	7.188	"	1964	Chēnnimalai, LXIX Thittamalai, LXXI Alagumalai	h.s.	36	38	46	4° 87' 23.39	74531	14.116	"
1955	Ēdayārpālayam Arakulam Coimbatore Church	s. " h.s.	95	2	15	4° 73' 41.70	54221	10.269	"	1965	Udiyūr Kātpālayam Alagumalai	h.s. s. h.s.	59	21	0	5° 03' 11.07	107425	20.346	"
1956	Ēdayārpālayam Coimbatore Coimbatore Church	s. " "	46	18	22	4° 44' 88.17	28107	5.323	14	1966	Kātpālayam Alagumalai Arasnamalai	s. h.s. "	40	48	11	4° 86' 39.74	73109	13.846	C.T.I.
1957	Mikarubēṭṭa Dōḍabēṭṭa Devarbēṭṭa Hill Mark	h.s. " "	5	21	11	3° 77' 35.18	5936	1.124	"	1967	Alagumalai Arasnamalai Ayyampālayam	h.s. " s.	115	48	14	5° 11' 17.77	129353	24.499	"
1958	Pakāsura Dōḍabēṭṭa Devarbēṭṭa Hill Mark	h.s. " "	71	26	27	4° 78' 0.477	60322	11.425	"	1968	Arasnamalai Ayyampālayam Irumburai	h.s. s. h.s.	85	21	46	5° 04' 73.30	111514	21.120	"
1959	Mikarubēṭṭa Dōḍabēṭṭa Derbēṭṭa Hill Mark	h.s. " "	34	44	36	4° 64' 58.97	44248	8.380	"	1969	Irumburai Ayyampālayam Siravanampati	h.s. s. h.s.	53	50	3	4° 95' 57.95	90322	17.107	"
1960	Mikarubēṭṭa Dōḍabēṭṭa Kudiakād Hill Mark	h.s. " "	8	11	15	4° 85' 6.97	44248	8.380	"	1970	Ayyampālayam Siravanampati Ēttimalai	h.s. h.s. No. 2	49	45	53	5° 11' 17.77	129353	24.499	"
1961	Mikarubēṭṭa Dōḍabēṭṭa Kolari Hill Mark	h.s. " "	77	34	53	4° 87' 45.10	74905	14.187	"	1971	Siravanampati Ēttimalai Pērumālmudi	h.s. h.s. "	39	31	49	4° 86' 50.87	73449	13.911	"
1962	Karachimala Anangamalai Pālgāt Fort (helio.)	h.s. " "	29	0	21	4° 56' 90.06	37120	7.030	"	1972	Pērumālmudi Ēttimalai Karimalai	h.s. No. 2 No. 2	94	58	55	5° 06' 55.4	114962	21.773	"
1963	Anangamalai Prānakod Anginda	h.s. " "	74	55	8	4° 88' 20.85	76223	14.436	12	1973	Ēttimalai Karimalai Wāumalai	h.s. No. 2 No. 2	48	5	3	4° 78' 16.20	60481	11.455	"
			31	18	52	4° 61' 30.88	41029	7.771	"				67	16	12	4° 87' 48.62	74966	14.198	"
			158	40	20	4° 99' 15.80	98080	18.576	"				64	38	45	4° 86' 59.87	73449	13.911	"
			3	29	21	4° 21' 51.64	16412	3.108	"				85	36	21	4° 94' 55.81	88223	16.709	"
			41	28	47	4° 98' 22.09	95986	18.179	"				51	16	25	4° 39' 33.33	69029	13.074	"
			110	42	23	5° 13' 21.18	135556	25.673	"				43	7	14	4° 78' 16.20	60481	11.455	"
			4	83	0064	4° 83' 00.64	07618	12.800	"				50	33	44	5° 01' 88.71	104441	19.780	"
									"				88	42	58	5° 13' 09.68	135197	25.606	"
									"				40	43	18	4° 94' 55.81	88223	16.709	"

\* Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
1974	Karimalai Waumalai Ayyamappamalai	51 24 0 34 59 39 93 36 21	4' 912672 4' 778260 5' 018871	81785 60015 104441	15' 490 11' 366 19' 780	1986	Ayyampalaiyam Siravanampati Ayaswami Hill Peak	39 45 41 99 43 16	4' 908552 5' 096368 4' 915349	81013 124844 82290	15' 343 23' 645 15' 585	
1975	Waumalai Ayyamappamalai Alatūr	63 48 49 32 32 34 83 38 37	4' 868318 4' 640075 4' 912672	73845 44267 81785	13' 986 8' 384 15' 490	1987	Irumburai Siravanampati Kuridi Hill Peak	22 25 30 95 9 54	4' 641549 5' 058318 5' 007658	43808 114371 101779	8' 297 21' 661 19' 276	
1976	Ayyamappamalai Karimalai Anangamalai	146 2 26 15 20 38 18 36 56	5' 021279 4' 696781 4' 778260	105022 49749 60015	19' 890 9' 422 11' 366	1988	Siravanampati Ēttimalai Kuridi Hill Peak	69 37 32 35 12 31	4' 852651 4' 641549 4' 865987	71228 43808 73449	13' 490 8' 297 13' 911	
1977	Udiyūr Alegumalai Sivamalai Hill Pagoda	39 5 8 70 30 40	4' 564587 4' 739292 4' 739002	36693 54805 54828	6' 950 10' 391 10' 384	1989	Siravanampati Ēttimalai Kadalūrshī	61 11 48 55 30 51 63 17 21	4' 857639 4' 831064 4' 865987	72051 67774 73449	13' 646 12' 836 13' 911	
1978	Chēnnimalai, LXXIX Alegumalai Sivamalai Hill Pagoda	24 4 3 31 51 43	4' 564587 4' 676657 4' 872339	36693 47496 74531	6' 950 8' 995 14' 116	1990	Ēttimalai Karimalai Kadalūrshī	63 1 46 49 8 25 67 49 49	4' 928931 4' 857639 4' 945581	84905 72051 88223	16' 080 13' 646 16' 709	
1979	Udiyūr Alegumalai Chēnnimalai Hill Pagoda	46 30 46 101 31 8	4' 875831 5' 006340 4' 739002	75133 101470 54828	14' 230 19' 218 10' 384	1991	Ēttimalai Kadalūrshī Coimbatore Palace	57 55 29 26 16 15	4' 787934 4' 505897 4' 857639	61367 32055 72051	11' 623 6' 071 13' 646	
1980	Alegumalai Arasanamalai Īttukuli	17 56 11 47 31 19 114 32 30	4' 393590 4' 772878 4' 863974	24751 59276 73109	4' 688 11' 226 13' 846	1992	Siravanampati Kadalūrshī Coimbatore Palace	63 3 39 37 1 6	4' 787934 4' 617466 4' 831064	61367 41444 67774	11' 623 7' 849 12' 836	
1981	Arasanamalai Īttukuli Vijayāpuri Pagoda	103 3 59 30 27 30	4' 521813 4' 238138 4' 393590	33252 17304 24751	6' 298 3' 277 4' 688	1993	Ēttimalai Karimalai Perūr. Pagoda	97 45 16 12 35 53	4' 969587 4' 312252 4' 945581	93237 20524 88223	17' 658 3' 887 16' 709	
1982	Arasanamalai Irumburai Thittamalai, LXXI	22 21 6 17 25 17 140 13 37	4' 984712 4' 880847 5' 210607	96541 76006 162468	18' 284 14' 395 30' 759	1994	Ēttimalai Waumalai Ānaimalai Hills, Peak No. 7	32 40 46 77 34 13	4' 891020 5' 148375 5' 130968	77807 140726 135197	14' 736 26' 653 25' 606	
1983	Thittamalai, LXXI Irumburai Satyamangalam Pagoda	50 55 40 46 6 59	4' 878061 4' 845787 4' 984712	75520 70111 96541	14' 303 13' 279 18' 284	1995	Ēttimalai Karimalai Kōlangod Hill Peak	67 58 36 77 50 44	5' 163122 5' 186182 4' 945581	145587 153526 88223	27' 573 29' 077 16' 709	
1984	Thittamalai, LXXI Irumburai Kumarāpālaiyam Hill Pagoda	53 9 8 42 6 51	4' 889765 4' 813019 4' 984712	77583 65016 96541	14' 694 12' 314 18' 284	1996	Anangamalai Ānanghāt Mannārg'hāt Hill Stone	83 29 5 67 14 17	5' 099985 5' 067586 4' 792140	125888 116839 61964	23' 842 22' 129 11' 736	
1985	Thittamalai, LXXI Irumburai Kāvalipālaiyam Pagoda	11 20 16 11 41 28	4' 685886 4' 699034 4' 984712	48516 50007 96541	9' 189 9' 471 18' 284	1997	Anangamalai Karimalai Mannārg'hāt Hill Stone	37 25 39 80 13 19	4' 857671 5' 067586 5' 021279	72056 116839 105022	13' 647 22' 129 19' 890	



No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
1998	Ālatūr	h.s.	43 14 23	4° 17' 674	52200	9.886	2008	Sadrāgiri	h.s.	48 14 53	5° 24' 2048	174601	33.068
	Ayyamappamalai	"	61 2 28	4° 8' 3942	66672	12.627		Mínākshi, LXXIV*	"	61 1 5	5° 31' 1184	204731	38.775
	Pālgāt	s.	75 43 9	4° 8' 68318	73845	13.986		Pēriyūr, LXXXIV	"	70 44 2	5° 34' 4259	220332	41.843
1999	Anangamalai	h.s.	41 35 14	4° 8' 23942	66672	12.627	2009	Udiyūr	h.s.	62 9 25	4° 88' 9688	77569	14.691
	Ālatūr	"	77 53 1	4° 9' 92148	98208	18.600		Kātpālaiyam	s.	73 10 3	4° 92' 4105	83966	15.903
	Pālgāt	s.	60 31 45	4° 9' 41754	87449	16.562		Muttukoil	h.s.	44 40 32	4° 79' 0134	61679	11.682
DINDIGUL AND MADURA													
MINOR SERIES.													
2000	Kātpālaiyam	s.	84 23 33	5° 04' 3910	110639	20.954	2012	Udiyūr	h.s.	29 59 18	4° 72' 0551	52547	9.952
	Paruttimalai, LXXIV	h.s.	46 53 9	5° 03' 1292	107471	20.354		Muttukoil	"	23 0 56	4° 61' 3890	41105	7.785
	Karumalai	h.s.	77 20 53	5° 18' 6080	153490	29.070		Virajimangalam Pagoda	s.	46 13 51	5° 08' 4777	122314	23.166
2001	Paruttimalai, LXXIV	h.s.	57 57 28	5° 12' 4976	133345	25.255	2013	Paruttimalai, LXXIV	h.s.	123 2 5	5° 15' 2280	141997	26.893
	Karumalai	"	47 45 30	5° 14' 012	138360	26.205		Rangamalai, LXXVII	"	10 44 4	4° 49' 8973	31548	5.975
	Pērumālmalai	"	72 47 59	5° 03' 910	110639	20.954		Dhārāpuram	"	42 37 38	4° 76' 0733	57641	10.917
2002	Karumalai	h.s.	82 34 52	5° 31' 6215	207117	39.227	2014	Udiyūr	h.s.	37 57 14	4° 71' 8894	52347	9.914
	Pērumālmalai	"	34 42 58	5° 07' 5368	118951	22.529		Muttukoil	s.	99 25 8	4° 92' 4105	83966	15.903
	Rishimalai	"	38 6 16	5° 12' 3875	133007	25.191		Dhārāpuram	h.s.	85 37 6	5° 09' 9448	125733	23.813
2003	Pērumālmalai	h.s.	21 20 22	4° 8' 94495	78432	14.855	2015	Udiyūr	h.s.	69 51 17	5° 07' 3302	118386	22.422
	Rishimalai	"	120 33 22	5° 26' 8592	185606	35.153		Dhārāpuram	h.s.	24 31 37	4° 71' 8894	52347	9.914
	Sadrāgiri	"	91 36 16	5° 17' 5444	149777	28.367		Chēñjeri	"	52 5 14	5° 07' 3302	118386	22.422
2004	Rishimalai	h.s.	25 48 40	4° 8' 14508	65239	12.356	2016	Paruttimalai, LXXIV	h.s.	94 43 51	5° 17' 4772	149545	28.323
	Sadrāgiri	"	62 35 4	5° 12' 3875	133007	25.191		Udiyūr	"	33 10 55	4° 91' 4479	82126	15.554
	Nagamalai	"	91 36 16	5° 17' 5444	149777	28.367		Chēñjeri	h.s.	57 6 14	5° 12' 8868	134545	25.482
2005	Nagamalai	h.s.	62 11 0	5° 18' 2965	152393	28.862	2017	Paruttimalai, LXXIV	h.s.	53 56 46	5° 11' 2427	129547	24.535
	Sadrāgiri	"	5 16 2052	145229	27.505	Chēñjeri		"	62 35 19	5° 13' 5713	136683	25.887	
	Sikandarmalai	No. 2	60 22 22	5° 17' 5444	149777	28.367		Jēmbavai Hill Peak	h.s.	84 21 48	5° 18' 5330	153225	29.020
2006	Sikandarmalai	No. 2 h.s.	121 45 25	5° 34' 4259	220932	41.843	2018	Udiyūr	h.s.	72 43 59	5° 17' 6460	150128	28.433
	Sadrāgiri	"	35 54 34	5° 16' 2965	152393	28.862		Muttukoil	"	35 14 7	4° 95' 7615	90702	17.178
	Kutiparai	"	121 45 25	5° 34' 4259	220932	41.843		Aivaremalai Hill Building	h.s.	72 43 59	5° 17' 6460	150128	28.433
2007	Kutiparai	h.s.	121 45 25	5° 34' 4259	220932	41.843	2019	Paruttimalai, LXXIV	h.s.	72 43 59	5° 17' 6460	150128	28.433
	Sadrāgiri	"	35 54 34	5° 16' 2965	152393	28.862		Chēñjeri	"	35 14 7	4° 95' 7615	90702	17.178
	Mínākshi, LXXIV*	"	121 45 25	5° 34' 4259	220932	41.843		Aivaremalai Hill Building	h.s.	72 43 59	5° 17' 6460	150128	28.433

\* This station appertains to the South-East Coast Series. † Deduced base.

SECONDARY TRIANGULATION. TRIANGLES.

Triangle No.	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used	No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
2020	Paruttimalai, LXXIV Karumalai Virupachi Hill Pagoda	h.s. 37 3 12 52 46 25	4.823011 4.944962 5.043910	66667 88097 110639	12.626 16.685 20.954	Inch 86 "	2082	Nagamalai Tevankurehi Tumbichinayakan Hill Pillar	h.s. 13 44 56 90 14 43	4.410681 5.034707 5.021627	25744 108320 105106	4.876 20.515 19.906	Inch 86 "
2021	Minakshi, LXXIV* Kutiparai Gopalswami	h.s. 28 15 2 123 36 10 28 8 48	4.995944 5.241371 4.994475	99070 174330 98736	18.763 33.017 18.700	" " "	2088	Sadragiri Nagamalai Tumbichinayakan Hill Pillar	h.s. 37 48 44 11 1 18	5.034707 4.528636 5.123875	108320 33778 133007	20.515 6.397 25.191	" " "
2022	Sikandarnalai Kutiparai Gopalswami	No. 2 h.s. 42 6 10 58 31 37 79 22 13	4.995944 5.100460 5.162052	99070 126026 145229	18.763 23.860 27.505	" " "	2084	Minakshi, LXXIV* Gopalswami Kaulikatan	h.s. 57 27 45 51 52 19 70 39 56	5.192430 5.162354 5.241371	155751 145330 174330	29.498 27.525 33.017	" " "
2023	Kutiparai Gopalswami Tevankurehi	h.s. 15 17 21 102 4 55 62 37 44	4.468602 5.037779 4.995944	29417 109089 99070	5.571 20.661 18.763	" " "	2085	Minakshi, LXXIV* Peryur, LXXXIV Kaulikatan	h.s. 11 12 52 41 24 40 127 22 28	4.630731 5.162354 5.242048	42730 145330 174601	8.093 27.525 33.068	" " "
2024	Sadragiri Nagamalai Tevankurehi	h.s. 49 31 48 24 46 14 105 41 58	5.021627 4.762586 5.123875	105106 57888 133007	19.906 10.964 25.191	" " "	2086	Kutiparai Tevankurehi Kaulikatan	h.s. 80 7 19 64 23 45 35 28 56	5.267527 5.229124 5.037779	185151 169482 109089	35.067 32.099 20.661	" " "
2025	Rishimalai Nagamalai Madura Pagoda No. 1	h.s. 24 41 46 128 14 15	4.857436 5.131582 4.894495	72017 135389 78432	13.640 25.642 14.855	" " "	2087	Tevankurehi Kaulikatan Srivilliputtur Pagoda	h.s. 13 15 57 17 15 32	4.922465 5.034043 5.267527	83650 108154 185151	15.843 20.484 35.067	" " "
2026	Nagamalai Tevankurehi Madura Pagoda No. 1	h.s. 86 26 9 35 32 16	5.092240 4.857436 5.021627	123663 72017 105106	23.421 13.640 19.906	" " "	2088	Peryur, LXXXIV Kaulikatan Srivilliputtur Pagoda	h.s. 23 45 25 144 22 3	4.922465 5.082672 4.630731	83650 120968 42730	15.843 22.911 8.093	" " "
2027	Rishimalai Nagamalai Madura Pagoda No. 2	h.s. 23 20 3 130 33 40	4.848827 5.131679 4.894495	70604 135419 78432	13.372 25.648 14.855	" " "	2089	Peryur, LXXXIV Kaulikatan Karivalandanallur Pagoda	h.s. 12 52 1 23 18 24	4.207403 4.457020 4.630731	16121 28643 42730	3.053 5.425 8.093	" " "
2028	Nagamalai Tevankurehi Kudirmalai Hill Pagoda	h.s. 55 13 53 57 20 29	4.970827 4.981501 5.021627	93503 95830 105106	17.709 18.150 19.906	" " "	TRICHINOPLY MINOR SERIES.						
2029	Sadragiri Tevankurehi Kudirmalai Hill Pagoda	h.s. 93 28 29 48 21 29	4.970827 4.845128 4.762586	93503 70005 57888	17.709 13.259 10.964	" " "	2040	Paruttimalai, LXXIV Karumalai Paramati	h.s. 56 39 12 82 17 46 41 3 2	5.148400 5.222589 5.043910	140734 166951 110039	26.654 31.619 20.954	" " "
2030	Sadragiri Tevankurehi Putur Hill Pillar	h.s. 57 10 49 80 40 32	4.860340 4.930088 4.762586	75500 85131 57888	13.731 16.123 10.964	" " "	2041	Karumalai Paramati Topimalai Hill Pagoda	h.s. 81 46 50 36 4 27	5.197397 4.971873 5.148400	157542 93729 140734	29.838 17.752 26.654	" " "
2031	Nagamalai Tevankurehi Putur Hill Pillar	h.s. 37 53 17 25 1 26	4.860340 4.698423 5.021627	75500 49937 105106	13.731 9.458 19.906	" " "							

\* This station appertains to the South-East Coast Series.

No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			No. of Triangle	Station	Corrected Plane Angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
2042	Karumalai Rishimalai Topimalai Hill Pagoda	h.s. " "	5° 23' 753 4° 9' 1873 5° 14' 1012	167399 93729 138360	31.704 17.752 26.205	2054	Paramati Tállamalai Kávalamalai Hill Stone	h.s. " "	5° 13' 4396 4° 7' 93523 5° 17' 1047	136269 62162 148268	25.808 11.773 28.081	Inch 36 "
2043	Paramati Topimalai Hill Pagoda Viramalai	h.s. " "	4° 9' 61747 5° 2' 66165 5° 1' 97397	91569 184572 157542	17.343 34.957 29.838	2055	Paramati Tállamalai Púgalúr Hill Pagoda	h.s. " "	5° 0' 62269 4° 6' 58795 5° 1' 171047	115417 45582 148268	21.859 8.633 28.081	" " "
2044	Bangamalai, LXXVII Paramati Viramalai	h.s. " "	5° 2' 66165 5° 2' 68386 5° 0' 74170	184572 161579 118623	34.957 30.602 22.467	2056	Yélmatur Paramati Púgalúr Hill Pagoda	h.s. " "	4° 6' 58379 5° 0' 04809 5° 0' 12355	45538 101113 102886	8.625 19.150 19.486	" " "
2045	Bangamalai, LXXVII Viramalai Tállamalai	h.s. " "	5° 1' 26359 5° 3' 39066 5° 2' 68386	133770 213337 161579	25.335 40.405 30.602	2057	Paramati Tállamalai Sankaramalai Hill Pagoda	h.s. " "	4° 8' 34649 5° 0' 47699 5° 1' 171047	68336 111609 148268	12.942 21.138 28.081	" " "
2046	Paramati Viramalai Tállamalai	h.s. " "	5° 1' 26359 5° 1' 26359 5° 1' 26359	133770 133770 133770	25.335 25.335 25.335	2058	Paramati Viramalai Kuradamparai Hill Pagoda	h.s. " "	4° 8' 60559 5° 1' 31882 5° 2' 66165	72537 135482 184572	13.738 25.659 34.957	" " "
2047	Viramalai Tállamalai Trichinopoly, Panmalai	h.s. " "	5° 2' 48095 5° 1' 09134 5° 1' 26359	177050 128588 133770	33.532 24.350 25.335	2059	Paramati Viramalai Togamalai Hill Pillar	h.s. " "	4° 19' 28 5° 2' 95871 5° 2' 66165	19454 197638 184572	3.684 37.432 34.957	" " "
* 2048	Tállamalai Trichinopoly, Panmalai Pagalavadi	h.s. " "	5° 0' 46778 5° 0' 12641 5° 2' 48095	111373 102933 177050	21.093 19.499 33.532	2060	Paramati Tállamalai Togamalai Hill Pillar	h.s. " "	5° 1' 16948 5° 2' 95871 5° 1' 171047	130903 197638 148268	24.792 37.432 28.081	" " "
2049	Paramati Tállamalai Yélmatur	h.s. " "	5° 3' 22525 5° 0' 12355 5° 1' 171047	210148 102886 148268	39.801 19.486 28.081	2061	Paramati Viramalai Ratnagiri	h.s. " "	4° 7' 84544 5° 2' 28360 5° 2' 66165	60890 169184 184572	11.532 32.043 34.957	" " "
2050	Kanjamalai, LXV Sankaridrug Totikaradu Hill Pillar	h.s. " "	4° 6' 61975 4° 7' 37654 4° 9' 43321	45917 54658 87563	8.696 10.352 16.584	2062	Paramati Tállamalai Ratnagiri	h.s. " "	4° 8' 79912 5° 2' 28360 5° 1' 171047	75842 169184 148268	14.364 32.043 28.081	" " "
2051	Tállamalai Yélmatur Totikaradu Hill Pillar	h.s. " "	5° 1' 24912 5° 2' 79789 5° 3' 22525	133325 190453 210148	25.251 36.071 39.801	2063	Paramati Tállamalai Karúr Pagoda	h.s. " "	4° 9' 86180 4° 7' 54012 5° 1' 171047	96868 56756 148268	18.346 10.749 28.081	" " "
2052	Tállamalai Yélmatur Arnagiri Hill Pagoda	h.s. " "	4° 8' 01148 5° 1' 99752 5° 3' 22525	63263 158399 210148	11.982 30.000 39.801	2064	Tállamalai Ratnagiri Karúr Pagoda	h.s. " "	5° 0' 53098 4° 9' 86180 4° 8' 79912	113005 96868 75842	21.402 18.346 14.364	" " "
2053	Yélmatur Paramati Kávalamalai Hill Stone	h.s. " "	4° 7' 93523 4° 8' 70118 5° 0' 12355	62162 74151 102886	11.773 14.044 19.486	2065	Trichinopoly, Panmalai Pagalavadi Viramalai Hill Pagoda†	h.s. " "	5° 2' 33359 4° 9' 46838 5° 0' 46778	171143 88479 111373	32.413 16.757 21.093	" " "

\* The continuation of the triangulation will be found in the Synoptical Volume of the South-East Coast Series.  
 † These triangles have been left unadjusted on account of a large discrepancy in the common side.  
 ‡ For another triangle to this point, see the Synoptical Volume of the South-East Coast Series, by which the value of the common side was greater by 4 feet.

No. of Triangle	Station	Corrected Plane Angle	Distance			No. of Triangle	Station	Corrected Plane Angle	Distance			Theodolite used	
			Log. feet	Feet	Miles				Log. feet	Feet	Miles		
2066	Tállamalai	50 51 12	4.012035	81665	15.467	2073	Kudankulam, XCV	25 29 32	4.460311	28861	5.466	Inch 12	
	Pagalavádi	27 1 26	4.679837	47845	9.062		Thovalamalai	91 29 19	4.826304	67035	12.696		"
	Tiruvéngimalai Hill Pagoda	5.012641	102953	19.499	Amritwamalai		63 1 9	4.776406	59759	11.318	"		
2067	Trichinopoly, Panmalai	38 11 49	4.912035	81665	15.467	2074	Thovalamalai	64 10 9	4.529615	33854	6.412	"	
	Pagalavádi	84 18 41	5.118645	131415	24.889		Tatakamalai	69 32 59	4.547061	35242	6.675		
	Tiruvéngimalai Hill Pagoda	5.046778	111373	21.093	Nágarkoil Longitude		46 16 52	4.434314	27184	5.148			
2068	Irrúr	20 57 2	4.887252	77135	14.609	2075	Thovalamalai	63 20 24	4.532641	34091	6.457	"	
	Pagalavádi	136 20 57	5.172914	148907	28.202		Amritwamalai	67 29 47	4.547061	35242	6.675		
	Mahádevi Hill Pagoda	4.920387	83251	15.767	Nágarkoil Longitude		49 9 49	4.460311	28861	5.466			
2069	Tállamalai	42 51 37	4.887252	77135	14.609	2076	Kudankulam, XCV	48 6 14	4.692445	49254	9.328	"	
	Pagalavádi	22 21 19	4.034789	43131	8.169		Thovalamalai	64 34 13	4.785730	61056	11.564		
	Mahádevi Hill Pagoda	5.012641	102953	19.499	Cape Comorin		48 6 14	4.776406	59759	11.318			
NÁGARKOIL													
MINOR SERIES.													
2070	Rádhápuram, XCII	61 8 5	4.776406	59759	11.318	2077	Thovalamalai	52 46 23	4.841621	69442	13.152	"	
	Kudankulam, XCV	82 39 1	4.830439	67677	12.818		Amritwamalai	107 54 6	4.919022	82989	15.718		
	Thovalamalai	36 12 54	4.605475	40316	7.636		Kadiapatnam Light-house	4.460311	28861	5.466			
2071	Manpóttai, XCIV	91 50 28	4.776406	59759	11.318	2078	Thovalamalai	42 26 53	4.678562	47705	9.035	"	
	Kudankulam, XCV	25 56 16	4.417504	26152	4.953		Amritwamalai	113 27 9	4.811863	64843	12.281		
	Thovalamalai	62 13 16	4.723452	52900	10.019		Chapel No. 1	4.460311	28861	5.466			
2072	Manpóttai, XCIV	51 57 34	4.434314	27184	5.148	2079	Thovalamalai	31 42 41	4.554709	35868	6.793	"	
	Thovalamalai	78 46 52	4.529643	33857	6.412		Amritwamalai	123 16 3	4.756288	57054	10.806		
	Tatakamalai	49 15 34	4.417504	26152	4.953		Chapel No. 2	4.460311	28861	5.466			
2080	Manpóttai, XCIV	51 57 34	4.434314	27184	5.148	2080	Thovalamalai	25 19 30	4.479867	30190	5.718	"	
	Thovalamalai	78 46 52	4.529643	33857	6.412		Amritwamalai	130 32 17	4.729473	53638	10.159		
	Tatakamalai	49 15 34	4.417504	26152	4.953		Chapel No. 3	4.460311	28861	5.466			

\* This base is taken from the Synoptical Volume of the South-East Coast Series.

July, 1894.

J. ECCLES,  
In charge of Computing Office.

## GREAT ARC MERIDIONAL SERIES—SECTION 8° TO 18°.

AZIMUTHS OF SURROUNDING STATIONS AND POINTS AT PRINCIPAL,  
PRINCIPAL-AUXILIARY AND SECONDARY STATIONS.

The following table contains, in the first column, the name of each Principal, Principal-Auxiliary, or Secondary Station, at which azimuths of surrounding Points have been measured; immediately followed by those azimuths. The second column contains the number of the triangle which gives the distance between the Station and the Point.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Adacheri h.s.</b>		<b>Ádoni, XXII</b>	
Kotakunnu s. 152 36 44	1868	Gadēkal, XXVI 4 8 12·89	88
Walliattúr h.s. 178 53 39	1869	Rámadrug Hill Fort 5 43 1	350
Uratmalai " 206 36 2	1868	Arakörébetta h.s. 20 11 37	286
		Jánikálu, XX 139 46 13·41	81
		Kámannagutta " 180 28 32	248
		Maliabad, XIX 188 9 17·98	26
		Köre Bēlagal, XXI 247 5 52·75	26
		Pulikōnda, XXIII 299 52 38·58	82
<b>Adamorsu h.s.</b>		<b>Ádoni h.s.</b>	
Maliabad, XIX 76 18 21	247	Arakörébetta h.s. 20 3 30	288
Darúr, XVI 251 2 35	246	Nēraniki Hill Turret 33 16 34	1042
Induvási h.s. 341 18 10	246	Lingadahalli Hill Mark 45 45 21	1090
		Hōlalagundi " 57 43 58	1031
		Pēdda Tumbalam Pagoda " 171 57 29	268
		Kámannagutta " 180 49 52	250
		Maliabad, XIX 188 15 23	239
		Chinna Tumbalam Turret 191 36 22	1061
		Gudikalbētta " 241 16 48	241
		Köre Bēlagal, XXI 247 1 16	289
		Kotakal No. 1 Hill Pillar 251 0 22	1088
		Pulikōnda, XXIII 299 38 57	288
<b>Adavi Ávalpalli h.s.</b>		<b>Aivárpalli h.s.</b>	
Bálesvaramkōnda h.s. 13 42 32	1698	Pāngal Building 218 18 9	888
Pulgurkote Fort 44 20 46	1692	Etamkōnda Hill Pagoda 246 41 32	889
Rahmanghar " 72 57 6	1618	Yēllakōnda h.s. 302 28 4	888
Chalamkote " 84 31 23	1687		
Kōnkōntlu " 117 8 14	1615		
Sunnakal " 139 58 35	1522		
Gatdrug " 155 26 4	1655		
Kunnakōnda " 162 10 29	1429		
Mudimadagu Hill Platform 170 36 28	1515		
Yēnnēgamalai Hill Mark 180 49 5	1524		
Tēt " 182 47 58	1525		
Metamári Hill Platform 194 20 14	1528		
Tumakōnda " 220 46 19	1429		
Vadankōnda Platform 244 45 58	1529		



The azimuths in this and other volumes are reckoned from South round by West through 360°.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance		
<b>Aivárpalli h.s.—(Contd.)</b>		<b>Alavakönda h.s.</b>			
Págtúr Fort	343 41 4	894	Abdullapuram Hill Platform	44 7 4	1550
Págtúr Idgah	346 37 21	891	Gudipád Hill Platform	81 46 32	1545
Marramungala Fort	351 44 1	893	Rámavaram	h.s. 142 40 27	1542
			Koilkuntla Fort	218 47 41	1544
			Hauhoballam	267 59 55	1543
			Gandikot	354 7 31	1542
<b>Akampalle h.s.</b>		<b>Álúr s.</b>			
Ganapur, X	140 3 42	152	Hattibélagal	h.s. 28 7 16	1111
Vomékönda, VII	184 11 50	152	Arakérbétta	111 31 7	1111
Anantagiri, VI	244 51 35	153	Gadékal	357 43 13	1112
<b>Alagamalai h.s.</b>		<b>Ambájidurga, XXXVI</b>			
Sankaridrug	h.s. 92 29 50	1778	Halasúrbétta, XXXIX	59 15 47.85	54
Kanjamalai, LXXV	158 19 1	1778	Nundydroog Building (helio.)	85 54 56	400
Melúr	233 31 5	1787	Mákalidurga, XXXVIII	95 10 35.75	53
Kéddamalai	241 46 18	1779	Yérrakönda, XXXIV	145 40 23.71	52
			Innáglúr, XXXV	184 50 48.49	52
<b>Alagumalai, LXXIII</b>		<b>Amgundpálayam h.s.</b>			
Kölpálayam, LXXV	20 21 47.48	100	Gorantla Fort	42 24 58	1626
Thittamalai, LXXI	166 23 27.91	96	Yérrakönda, XXXIV	51 3 11	1619
Úttukuli Hill Temple	182 47 56	546	Péddapalli Fort	71 47 46	1502
Arasanamalai Hill Temple No. 1	200 43 26	541	Mallemkönda	h.s. 117 0 10	1629
Arasanamalai Hill Mark	200 44 13	545	Luchérla Fort	122 0 34	1640
Arasanamalai Hill Temple No. 2	200 46 32	543	Yénúmulapalle Fort	139 47 21	1504
Chénnimalai, LXIX	225 44 22.11	94	Pútaparti Fort	146 13 57	1503
Chénnimalai Hill Temple No. 1	226 18 45	548	Mallappakönda	163 49 37	1501
Pachapálayam Temple	268 6 31	535	Tummalamalai	229 59 49	1621
Kanapálayam	s. 273 34 44.8	1918	Gödduvelagala	260 1 11	1620
Tirumankaradu, LXXII	280 9 4.06	94	Pulugampalli Pagoda	272 31 0	1625
Kátpálayam	286 8 53	1936	Köndakömerla Fort	282 32 29	1627
Papiréddipálayam Hill Temple	303 16 24	1951	Innáglúr Hill Staff	282 57 53	1501
Udiyúr	h.s. 328 11 21.6	1919	Itikalidurga	353 49 1	1619
Paruttimalai, LXXIV	338 28 2.50	97			
<b>Alagumalai h.s.</b>		<b>Ammúrthamolemalai h.s.</b>			
Ayyampálayam	s. 84 58 7	1967	Udayúrimalai	h.s. 30 37 46	1831
Thittamalai, LXXI	166 24 56	1964	Néddikunnu	70 49 58	1830
Úttukuli	h.s. 182 50 10	1980	Kodayattúr	142 2 21	1830
Arasanamalai	200 46 21	1966	Nedampárai	347 59 47	1832
Chénnimalai, LXIX	225 45 56	1964			
Chénnimalai Hill Pagoda	226 37 11	1979	<b>Amrabad h.s.</b>		
Sivamalai Hill Pagoda	257 37 39	1977	Munnanúr	h.s. 102 44 37	967
Kátpálayam	s. 286 8 7	1965	Maishagutta	150 32 14	957
Udiyúr	h.s. 328 8 19	1965	Sirsangandla Hill Pagoda	164 6 41	972
			Devarakönda No. 2	196 0 9	957
<b>Alankarai h.s.</b>		<b>Amritwamalai h.s.</b>			
Göllapalli	h.s. 83 31 46	1751	Chapel No. 3	64 11 53	2080
Pikili Hill Mark	104 8 13	1751	Chapel No. 2	71 28 7	2079
Pikili	124 22 10	1752	Chapel No. 1	81 17 1	2078
Mukanúr	302 6 17	1758	Kadiapatnam Light-house	86 50 4	2077
			Nágarkoil Longitude	s. 127 14 23	2075
<b>Álatúr h.s.</b>			Thovalamalai	h.s. 194 44 10	2073
Machátmalai	h.s. 99 19 5	1820	Kudankulam, XCV	257 45 19	2073
Anangamalai	143 53 46	1820			
Ayyamappamalai	178 32 24	1847			
Pálgát	s. 221 46 47	1998			
Waumalai	h.s. 262 11 1	1975			



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Ánaikarakunnu s.</b>	° ' "	<b>Anantagiri, VI—(Contd.)</b>	° ' "
Shevarattúr s. 45 26 36	1871	Akampalle h.s. 64 56 38	153
Kurnád No. 2 h.s. 297 39 46	1871	Vomëkõnda, VII 109 16 7'67	5
<b>Ánaimalai h.s.</b>		Kandënmarai, IV 145 59 37'53	12
Vempalli Hill Pagoda 17 38 15	1596	Kotamaripalle " 165 22 26	160
Dikúnraidu Hill Pagoda 21 1 5	1598	Mõthakapalle, V 174 13 57'18	5
Pípád h.s. 70 4 43	1583	Topkõnda, III 225 43 8'91	11
Mõpur " 105 6 47	1583	Pargi " 333 32 3	167
Uppulúr Hill Platform 138 12 11	1588	Põchamagat, IX 347 24 5'19	18
Gandikot " 146 1 44	1534	<b>Anantapur h.s.</b>	
Wámkõnda " 156 9 3	1586	Tanagal h.s. 30 2 26	935
Kálamalla Hill Platform 167 44 14	1592	Rávalchëru " 77 45 46	937
Valasapalli " 181 22 15	1585	Ráyalampád Hill Rock 90 21 26*	940
Prõddutúr Pagoda 186 5 34	1590	Darúr, XVI 104 10 26	936
Kamalápuram s. 226 39 13	1594	Yëllakõnda " 293 3 23	935
Pëdda Chëppalli Pagoda 229 25 27	1595	<b>Ánchëttidurga, LVI</b>	
Pushpagiri h.s. 240 45 17	1585	Mariyálam, LVII 40 48 53'23	73
Lankamalai " 242 2 13	1534	Devarabëtta, LV 97 55 22'21	72
Nëlkurti " 321 4 1	1535	Hõsúr h.s. 159 49 38	467
<b>Ánaipárai h.s.</b>		Hõsúr, L 160 1 59'82	72
Kõlattúr Hill Mark 103 7 11	1903	<b>Ánchëttidurga h.s.</b>	
Mukunnumalai h.s. 130 3 1	1838	Karibëtta h.s. 47 22 1	1737
Kalamalai " 180 51 19	1838	Banavanakal " 73 37 3	1770
Muruvattúr " 281 15 11	1839	Devarabëtta " 97 50 8	1736
Udayagiri Flag-staff 291 42 39	1909	Ankisgiridrug " 246 11 36	1736
Kadiapatnam " 333 0 34	1844	Ráyakota " 295 49 33	1738
<b>Anangamalai h.s.</b>		Hudedurgam Pagoda No. 2 326 59 15	1741
Machátmalai h.s. 32 15 22'0	1819	<b>Andalam h.s.</b>	
Kurnád No. 2 " 84 28 0	1821	Bandhallidurga h.s. 152 56 38	1774
Kurnád No. 1 " 84 31 56'6	1818	Kõppabëtta, LVIII 199 37 50	1774
Ánanghát " 126 47 47	1848	Máthalli " 314 13 56	1776
Pránakod No. 1 " 149 7 54'5	1818	<b>Ánëkalgudda h.s.</b>	
Pránakod No. 2 " 149 32 59	1849	Kuravinkal Hill Pagoda 7 44 35	1369
Nílgi Hill Peak 185 41 21	1852	Kõttúr Pagoda 19 2 40	1292
Anginda " 190 36 42	1963	Narsimdevaragudda h.s. 34 18 24	1223
Mannárhát Hill Stone 210 16 52	1996	Karëddigudda No. 1 " 43 50 11	1279
Karimalai No. 1 " 247 41 58'4	1933	Jájkalgudda Hill Platform 51 43 14	1281
Karimalai No. 2 " 247 42 31	1976	Bëttadmállappangudda " 70 40 28	1224
Ayyamappamalai " 266 19 27	1847	Gugamaldi Building 91 0 21	1290
Karachimala " 278 27 5'7	1933	Bandarangangudda Hill Pagoda 136 54 23	1269
Pálgát Fort (helio.) 281 56 27	1962	Rámesvarambada s. 139 29 51	1248
Pálgát s. 282 16 56	1999	Kopal h.s. 151 40 40	1253
Álatúr h.s. 323 52 10	1820	Bahádurbanda s. 152 59 58	1251
<b>Ánanghát h.s.</b>		Náráyanadevarakeri Pagoda 177 43 19	1266
Kurnád No. 2 h.s. 48 31 53	1848	Devaragudda Hill Pagoda 185 54 35	1271
Angádipuram s. 123 56 23	1855	Shivapuram Hill Pagoda 190 2 35	1257
Pandalúr h.s. 150 30 6	1853	Kumára Ramankumath Fort 191 3 30	1275
Angádipuram House 155 49 2	1866	Barikalgudda h.s. 192 59 10	1249
Pránakod No. 2 " 215 56 37	1849	Dhanáyakanakeri Building 213 15 25	1268
Mannárhát Hill Stone 239 31 56	1996	Jambanáth " 213 18 47	1247
Anangamalai " 306 46 13	1848	Rámandrug " 242 8 47	1222
<b>Anantagiri, VI</b>		Vutrimala Hill Turret 296 42 16	1284
Linganapalle h.s. 37 13 11	155	Jarimalai " 321 36 21	1222
Pialmudi s. 45 1 55	171	Kúldgi Fort 331 3 16	1277
Kodangal, VIII 49 41 51'25	13	Viranadrug Turret 337 42 29	1362
Devanúr " 52 42 42	150	Shiddalingana Fort 351 21 21	1364
		Bairadávargudda Fort 357 27 56	1367

\* From unadjusted triangle, vide page 74—A.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Angádipuram s.</b>	o ' "	<b>Arasákulam, XCVI</b>	o ' "
Kodúrkunnu Hill Mark	106 46 43	Idindakarai, CII	13 52 52.63
Pandalúr	h.s. 185 50 27	Kudankulam, XCV	42 54 51.75
Angádipuram House	271 45 45	Cape Comorin Base-line S. End, CI	76 52 16.85
Ánanghát	" 303 55 27	Cape Comorin Base-line N. End, C	107 9 2.33
		Rádhápuram, XCII	144 28 50.19
		Ilaiyanainárkulam, XCVIII	170 4 6.19
<b>Anginda h.s.</b>		<b>Arasanamalai h.s.</b>	
Ánangamalai	h.s. 10 37 30	Alagumalai	h.s. 20 47 12
Pránakod	No. 1 " 38 26 20	Ayyampálayam	s. 54 23 47
		Úttukuli	h.s. 68 18 31
<b>Ankisgiridrug h.s.</b>		Irumbarai	" 111 12 3
Hudedurgam Pagoda No. 1	46 19 59	Thittamalai, LXXI	133 33 9
Ánchéttidurga	h.s. 66 14 9	Vijayápurí Pagoda	171 22 30
Devarabétta	" 83 52 22	Kátpálayam	s. 326 57 9
Tirthapalli, XLVI	152 7 26		
Yérrakönda, XX*	224 0 30	<b>Aringyanmalai h.s.</b>	
		Paruttimalai, LXXIV	173 11 58
<b>Annamkönda h.s.</b>		Rangamalai, LXXVII	221 29 18
Lachhmasapur	h.s. 10 19 35	Kalugumalai, LXXX	290 20 1
Suldapur	" 115 57 12		
Kishoragutta	" 308 17 36	<b>Arúr h.s.</b>	
Medcharla Mosque	331 23 6	Dialmalai	h.s. 58 9 7
Nágalúr Hill Mosque	359 39 8	Véllármalai	" 121 47 32
<b>Apsándra h.s.</b>		<b>Arved s.</b>	
Hösúr	h.s. 10 21 39	Sádkönda	h.s. 33 19 21
Shivansandra	" 87 50 2	Ísvaramalai	" 102 21 57
Karadibanda	" 233 3 26	Véllichalmalai Hill Mark	127 25 11
Márkandesvara	" 274 10 37		
		<b>Aviarmalai h.s.</b>	
<b>Arakërebétta h.s.</b>		Mallikarai	h.s. 55 5 31
Halaharivi Fort	22 14 27	Éttapur Pagoda	86 41 13
Moka Fort	35 24 3	Köppakundamalai Hill Pagoda	93 7 4
Korlagöndi Pagoda	58 9 37	Tenandamalai	" 143 46 31
Guddadur No. 1	h.s. 63 29 39	Nágalúr	" 150 18 40
Guliyam Fort	66 8 56	Tírthamalai	" 177 42 6
Hölagundi	" 122 7 3	Shundapanád	" 210 33 11
Néraniki Hill Turret	153 37 33		
Ádoni	" 200 2 4	<b>Ávuladevarakönda h.s.</b>	
Ádoni, XXII	200 10 10	Piádáindikönda Hill Peak	14 4 43
Pulikönda, XXIII	261 18 20	Urákönda, XXXII	21 7 21.6
Álúr	s. 291 30 29	Köndapalli, XXXI	82 40 57.8
Hattibélagal	h.s. 334 3 11	Yellari Fort	104 38 13
Gadékal, XXVI	350 10 34	Devarakönda, XXVIII	142 34 14.6
Gadékal	" 350 12 6	Singanamalai Fort	179 35 11
		Chaid Fort	187 14 20
<b>Arakulam s.</b>		Nallakönda	h.s. 213 30 30
Édayárpálayam	s. 53 30 48.5	Pédda Kotla	" 267 1 48
Coimbatore Church	92 20 12	Pédda Kotla Fort	275 59 48
Coimbatore	" 96 17 45.7	Gudankönda Hill Pillar	280 58 38
Shámichéttipálayam	" 328 0 42.7	Páلكönda	No. 1 " 287 42 7.0
		Páلكönda	No. 2 " 287 42 38
		Dampetla Fort	305 29 54
		Dampetla	" 315 53 17
		Mallappakönda	" 344 49 58.1

\* This station appertains to the Madras Longitudinal Series.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Ayyamappamalai h.s.</b>		<b>Bálákundi h.s.—(Contd.)</b>	
Anangamalai h.s. 86 21 1	1847	Hólalagundi h.s. 288 24 8	1096
Pránakod No. 2 " 123 18 46	1850	Kanchagárabélagal Hill Pagoda 291 41 39	1097
Nilgiri Hill Peak " 158 41 12	1851	Kúriganúr Pagoda 327 51 22	1105
Karimalai No. 2 " 232 23 27	1974	Talúr Fort 330 47 28	1215
Pálghát s. 297 29 54	1998	Guddadur No. 1 " 349 8 44	1094
Waumalai h.s. 325 59 48	1974		
Álatúr " 358 32 22	1847		
<b>Ayyampálaiyam s.</b>		<b>Bálápur h.s.</b>	
Áyaswámi Hill Peak " 76 12 18	1986	Guganpahár h.s. 95 10 40	797
Ettimalai No. 2 h.s. 76 26 10	1970	Hyderabad Tomb 145 15 27	800
Siravanampati " 115 57 59	1969	Lachhmanpur " 154 41 13	797
Irumbarai " 160 54 33	1968	Secunderabad Tomb No. 1 169 36 18	799
Arasanamalai " 234 20 24	1967		
Alagumalai " 264 55 35	1967	<b>Bálesvaramkõnda h.s.</b>	
		Kõnkõntlu h.s. 131 29 5	1693
		Adavi Ávalpalli " 193 42 16	1693
<b>Badadol h.s.</b>		<b>Bánatimaribëtta, XLV</b>	
Gutargi h.s. 7 54 38	987	Hemagiri, XLIV 127 7 24.26	70
Sindgi " 20 52 19	988	Savandurga, XLI 166 1 25.44	66
Sálotgi " 66 2 8	989	Bannergatta, XLII 217 33 33.91	66
Kusanúr " 276 21 59	986	Devarabëtta, LV 255 58 54.85	67
Jualagi " 332 23 31	986	Kõppabëtta, LVIII 331 13 33.92	68
<b>Bádapalle h.s.</b>		<b>Banavanakal h.s.</b>	
Yérragutta No. 1 h.s. 1 0 32	829	Kambattu Boli h.s. 8 35 15	1773
Níalamari " 2 42 18	189	Kõppabëtta, LVIII 38 53 23	1773
Gurumurtia " 43 25 34	188	Kabbáldurga " 87 45 39	1771
Guddaráyangutta " 51 24 39	193	Devarabëtta " 185 28 44	1770
Guddagúðém Hill Rock 76 25 3	191	Ánchëttidurga " 253 33 11	1770
Palmúr Hill Idgah 82 1 27	869		
Impagat, XIII 85 5 4	188		
Põchamagat, IX 137 31 2	822		
Moghalgidda Pagoda No. 2 177 7 37	860	<b>Bánávar h.s.</b>	
Moghalgidda Pagoda No. 1 178 11 48	859	Herohalli s. 6 10 57	429
Bodampád s. 181 15 37	821	Baavanhalli h.s. 79 59 51	428
Imábára Hill Mark 208 31 38	848	Bardi " 132 11 3	423
Reválie Hill Pagoda 213 45 15	855	Halasúrbëtta, XXXIX 233 0 2	414
Guttapalle h.s. 218 2 45	821	Uialdinna Mandapam s. 306 39 22	414
Dunavaram " 224 30 0	825		
Ádrilla Hill Pagoda 232 20 36	862		
Janalrájgutta " 242 59 4	826	<b>Bandhallidurga, LXI</b>	
Maishagutta " 263 48 4	827	Arubéle Chapel 204 3 50	472
Urakõnda Hill Mark 273 2 1	877	Golhalli Pagoda 215 7 45	473
Tumengutta " 310 10 31	828	Kõppabëtta, LVIII 224 17 0.85	83
Néllikudru " 320 55 38	871	Põnnásibëtta, LIX 282 1 51.98	83
		Bodamalai, LXIII 323 18 31.74	84
		Bandhalli Masjid 346 53 54	474
<b>Bahádurbanda s.</b>		<b>Bandhallidurga h.s.</b>	
Kopal h.s. 141 14 3	1255	Kambatiráyan h.s. 5 59 46	1763
Kopal Pagoda 168 24 53	1256	Kabbáldurga " 172 5 20	1769
Jambanáth " 288 13 17	1252	Savandurga, XLI 176 33 16	1761
Barikalgudda " 288 33 1	1251	Devarabëtta " 214 3 46	1761
Ánëkalgudda " 332 57 41	1251	Kõppabëtta, LVIII 224 18 43	1772
		Põnnásibëtta " 280 46 51	1762
<b>Bálákundi h.s.</b>		Kambattu Boli " 310 37 50	1772
Kurgod h.s. 33 20 25	1094	Máthalli " 322 35 53	1775
Sirigiri " 52 25 9	1096	Andalam " 332 55 53	1774
Kanchéngod " 122 43 5	1095		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Bandúr h.s.</b>		<b>Bangalore Base-line S.W. End, LII— (Contd.)</b>	
Dharmapuri Hill Pagoda	1229	Turukungutta, LI	62
Ráyadrug h.s.	1218	Döddagunta s.	1735
Jetting Rámesvar Pagoda	1242	Uialdinna Mandapam	413
Hiréhal Fort	1245	Bangalore Base-line S. End	461
Sugidaribétta	1038		
Éttinabúdihal Fort	1244	<b>Bannergatta, XLII</b>	
Gadékal	1038	Bánatimaribétta, XLV	66
Gadékal, XXVI	364	Savandurga, XLI	58
Havalagi Hill Pagoda	1237	Bangalore Hill Pagoda	454
Bandúr s.	366	Bangalore Base-line S.W. End, LII	62
Udarpidurga, XXVII	865	Uialdinna Mandapam s.	412
Hönnúr, XXIX	364	Bagalore Flag-staff	453
Hönnúr Fort	1239	Halasúrbétta, XXXIX	58
Maulva Fort	1241	Bangalore	402
Bellaguppa h.s.	1227	Bangalore Church No. 1	457
		Bangalore Church No. 2	459
<b>Bandúr s.</b>		Turukungutta, LI	61
Bandúr h.s.	366	Tirthapalli, XLVI	59
Hönnúr, XXIX	366	Hösúr, L	60
		Hösúr h.s.	466
<b>Bangalore h.s.</b>		Devarabétta, LV	67
Herohalli s.	430		
Halasúrbétta, XXXIX	464	<b>Bardi h.s.</b>	
Uialdinna Mandapam	430	Savandurga, XLI	422
Bangalore Palace	431	Basuvanhalli h.s.	428
Kolár Peak	464	Káskal	432
		Devaráyadurga	422
<b>Bangalore s.</b>		Halasúrbétta, XXXIX	423
Bannergatta, XLII	402	Bánávar	423
Savandurga, XLI	402		
Halasúrbétta, XXXIX	403	<b>Barikalgudda h.s.</b>	
		Ánékalgudda h.s.	1249
<b>Bangalore Base-line N. End s.</b>		Náráyanadevarakeri Pagoda	1266
Bangalore Base-line S. End s.	462	Rámesvarambanda s.	1250
Bangalore Base-line S. W. End, LII	462	Bahádurbanda	1251
Turukungutta, LI	463	Huligi Pagoda	1259
		Hösúr Pagoda	1260
<b>Bangalore Base-line N.E. End, LIII</b>		Shivapuram Hill Pagoda	1258
Ráchénhalli s.	1733	Chittavádigi Pagoda	1261
Bangalore Base-line S.W. End, LII	63	Hampi Hill Pagoda	1262
Sampigehalli t.s.	1733	Höspet Pagoda	1265
Mandúr, LIV	76	Mallapannanagudi Pagoda	1264
Turukungutta, LI	63	Kamalápuram Fort	1263
Gubbi s.	1734	Jambanáth h.s.	1249
		Dhanáyakanakeri Building	1268
<b>Bangalore Base-line S. End s.</b>			
Bangalore Base-line S.W. End, LII	461	<b>Basavangudda h.s.</b>	
Bangalore Base-line N. End s.	462	Göddahalli h.s.	1726
Turukungutta, LI	461	Sampigehalli t.s.	1731
		Ráchénhalli s.	1729
<b>Bangalore Base-line S.W. End, LII</b>		Nágavára	1726
Bannergatta, XLII	62		
Göddahalli h.s.	1725	<b>Basavanhalli h.s.</b>	
Nágavára s.	1725	Káskal h.s.	432
Bangalore Base-line N.E. End, LIII	63	Bardi	428
Bangalore Base-line N. End s.	462	Bánávar	428
Machalbétta	1727		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Bēdudūr h.s.</b>		<b>Betdāsanpur h.s.</b>	
Pālkōnda No. 2 h.s. 20 34 50	1555	Uialdinna Mandapam s. 165 20 45	438
Chintalapalli " 71 10 12	1556	Shivansandra h.s. 206 24 55	438
Nallakōnda " 112 51 56	1555	Nallurhalli " 221 31 52	439
Kodūr Fort 175 5 2	1558	Chinnagara " 223 49 35	441
<b>Beganūrmalai h.s.</b>		<b>Bēttadmallappangudda h.s.</b>	
Kurumalai No. 2 h.s. 27 50 45	1757	Kopal h.s. 201 47 28	1253
Karadigutta, LXII 323 11 33	1757	Bandarangangudda Hill Pagoda 221 21 14	1270
<b>Bēlagal s.</b>		Gugamaldi Building 224 24 47	1290
Kāmannagutta h.s. 15 49 29	1049	Ānēkalgudda " 250 35 13	1224
Kosgi Hill Mark 69 25 1	1057	Ambali Pagoda 277 0 22	1283
Hālwī " 93 48 16	1049	Kōttūr Pagoda 291 21 41	1291
Kandukūr Turret 118 41 46	1053	Jājikalgudda Hill Platform 314 19 44	1281
Rāchālbānda Tower 127 26 31	1052	Karēddigudda No. 1 " 324 51 29	1279
Kēre Bēlagal, XXI 279 2 50	1050	Narsimdevāragudda " 343 37 18	1224
Sankeṣvara Pagoda 293 29 37	1059	<b>Bhūpatamma, XLIX</b>	
Chinna Tumbalam Turret 353 16 5	1060	Hōsūr, L 42 47 6.16	64
<b>Bēlammarāyangudda h.s.</b>		Tirthapalli, XLVI 101 54 6.95	64
Mudgal Hill Masjid 19 39 24	1155	Kolār, XLVIII 180 48 10.05	65
Nagarbēṭṭa h.s. 117 59 34	1154	Kolār Building 194 14 57	465
Hunshigi Hill Tree 190 25 2	1154	<b>Black s.</b>	
<b>Bellaguppa h.s.</b>		Kutipārai, LXXXI 45 44 24	610
Kalyāndrug Hill Mark No. 2 5 25 33	1340	Pērumālmalai, LXXXVIII 148 26 59	609
Timmapankōnda Hill Pillar 31 21 13	1235	Kalugumalai, LXXX 176 52 14	609
Chitrabānda Pagoda 73 30 23	1236	<b>Bodabānda h.s.</b>	
Rāyadrug h.s. 97 1 6	1226	Maliabad, XIX 37 15 38	227
Dharmapuri Hill Pagoda 104 17 1	1229	Rāichur Building 98 57 5	227
Bandūr " 159 28 38	1227	Jārigat h.s. 128 35 44	229
Kanakal Fort 165 33 3	1228	<b>Bodamalai, LXIII</b>	
Hōnnūr Fort 173 34 51	1240	Urugamalai, LXVI 34 13 0.73	89
Maulva Fort 174 40 44	1241	Bandhallidurga, LXI 143 21 15.98	84
Havalagi Hill Pagoda 178 14 46	1237	Pōnnāsibēṭṭa, LIX 201 33 56.42	82
Bellaguppa Fort 211 22 26	1231	Karadigutta, LXII 256 16 13.65	82
Yērragudi Fort 238 39 55	1233	Pālamalai, LXIV 321 29 23.02	85
Gangāvaram Fort 291 2 43	1234	<b>Bodampād s.</b>	
Devādēlabēṭṭa h.s. 353 29 14	1226	Bādapalle h.s. 1 15 46	821
<b>Bellary Railway Station s.</b>		Chāvalpalle " 8 38 7	856
Bellary Sessions Court s. 241 8 20.4	358	Pōchamagat, IX 52 12 28	822
Gadēkal, XXVI 274 20 17.4	357	Chebala " 178 24 38	819
Kategudda " 287 4 27.5	358	Narkod Tomb 231 41 15	847
Bellary Telegraph Office " 306 39 47.8	359	Gaganpahār " 233 26 40	819
Hōnnūr, XXIX 322 24 48.9	357	Mallanagutta " 235 10 35	836
<b>Bellary Sessions Court s.</b>		Chegurti Pagoda 237 35 57	852
Bellary Railway Station s. 61 8 26.5	358	Almirpet Mosque 260 38 20	853
Gadēkal, XXVI 275 5 44.0	356	Guttapalle " 276 25 11	820
Hōnnūr, XXIX 323 53 10.2	356	Dunavaram " 288 41 43	824
Kategudda " 353 9 36.1	358	Revalle Hill Pagoda 331 54 42	854
<b>Bellary Telegraph Office s.</b>			
Bellary Railway Station s. 126 39 50.6	359		
Kategudda " 269 27 59.2	359		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Bodthagudda h.s.</b>	° ' "	<b>Bömmasandra s.</b>	° ' "
Yërratimmarájchëru Pagoda	5 9 8	Byál h.s.	29 37 17
Boglemárkönda h.s.	27 48 16	Yërrakönda, XXXIV	294 40 50
Bolikönda	65 8 28		
Jonnagiri Fort	190 55 31	<b>Byál h.s.</b>	
Chennampalli Hill Turret	195 13 1	Sítakal	1 7 49
Gooty Base-line N. End	339 3 59	Channaraydurga Hill Peak	51 28 49
		Pávagada, XXXIII	179 49 40
<b>Boglemárkönda h.s.</b>		Bömmasandra	209 34 23
Appájipet Fort	4 53 13	Yërrakönda, XXXIV	233 57 12
Udarpidurga, XXVII	31 25 16	Kalkote	306 18 16
Gadëkal h.s.	99 9 0	Mákalidurga	315 10 7
Guntakal Pagoda	122 42 58		
Guntakal Railway Station (helio.)	128 16 35	<b>Cape Comorin s.</b>	
Kasavápuram Pagoda	138 17 13	Thovalamalai	170 34 45
Maddikëra Pagoda	153 49 26	Kudankulam, XCV	235 8 58
Bolikönda h.s.	188 17 59		
Koilkönda	203 34 5	<b>Cape Comorin Base-line N. End, C</b>	
Bodthagudda	207 47 10	Cape Comorin Base-line S. End, CI	5 55 28.30
Yërratimmarájchëru Pagoda	219 33 6	Tanakarakulam, XCVII	79 28 10.05
Chënráyankönda Hill Pagoda	235 46 7	Pëddarangapuram, XCIX	116 3 15.30
Pyápalí Platform	236 42 41	Rádhápuram, XCII	185 55 29.69
Gooty, XXV	257 16 56	Ilaiyanainárkulam, XCVIII	229 33 36.40
Namthabad	260 9 7	Arasákulam, XCVI	287 8 39.55
Gooty Base-line N. End	261 13 3		
Mámdúr Fort	290 54 6	<b>Cape Comorin Base-line S. End, CI</b>	
Pamidi h.s.	326 14 34	Kudankulam, XCV	5 55 28.89
		Érukandurai, CIII	76 5 2.58
<b>Bolarum P.W.D. Office s.</b>		Tanakarakulam, XCVII	108 4 56.35
Hyderabad, Naubatpahár	25 57 36.9	Cape Comorin Base-line N. End, C	185 55 26.99
Lachhmanpur	103 43 34.2	Arasákulam, XCVI	256 51 52.80
		Idindakarai, CII	313 22 2.91
<b>Bolikönda h.s.</b>			
Boglemárkönda h.s.	8 18 17	<b>Chaklichimalai, LXXVI</b>	
Gadëkal	78 7 17	Ánaimalai Hills, Peak No. 5	66 27 31
Guntakal Pagoda	79 32 38	Ánaimalai Hills, Peak No. 4	69 17 31
Kasavápuram Pagoda	98 23 17	Bomávarapati Temple	153 8 54
Chennampalli Hill Turret	211 44 9	Kóttamangalam Temple	164 14 31
Koilkönda	212 23 20	Kóllupálayam, LXXV	176 14 52.50
Jonnagiri Fort	226 2 59	Paruttimalai, LXXIV	227 50 1.57
Bodthagudda	245 7 40	Aivaremalai Hill Temple	249 12 9
Yërratimmarájchëru Pagoda	300 12 16	Palni House (helio.)	268 12 12
Gooty Base-line N. End	312 27 42	Palni Hill Temple	273 37 57
Pamidi h.s.	343 23 24	Përumálmalai, LXXVIII	303 36 52.00
Chënráyankönda Hill Pagoda	346 59 33	Tinnavarai Hill Peak	317 20 53
		Allúrankave Hill Mark	323 23 40
<b>Bölligutta Tippa h.s.</b>		Kúkal Hill Mark	355 48 3
Tanagal h.s.	43 19 0		
Devaragat Hill Rock	78 0 0	<b>Chalamkote h.s.</b>	
Darúr, XVI	106 41 40	Buradagunte Fort	147 11 23
Yëllakönda	292 22 0	Kónköntlu	187 8 35
		Kunnakönda	206 50 50
<b>Bömmanhalli h.s.</b>		Gaunpalli Fort	235 23 44
Múganáyakankote h.s.	237 12 23	Adavi Ávalpalli	264 27 48
Devaráyadurga	259 40 19	Pulgurkote Fort	274 5 5
Köndapur	275 14 33		
Savandurga, XLI	298 41 33		
Rangaswámibëtta	305 55 2		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Chandragudda h.s.</b>	° ' "	<b>Chēnjeri h.s.</b>	° ' "
Darúr, XVI	18 8 4	179	Édayárpálayam s. 140 47 31·4
Nárabanda Hill Platform	69 27 23	181	Shámichēttipálayam „ 192 57 57·6
Kóttapalle, XV	104 54 50	178	Cháavadipálayam „ 213 7 17·9
Impagat, XIII	169 38 52	178	Kallimedu „ 230 7 28·8
<b>Chanugundla s.</b>			Udiyúr h.s. 259 59 26
Devanakōnda h.s.	48 57 57	904	Dhárápúram s. 284 31 3
Yérrabád Pagoda	63 32 33	245	Paruttimalai, LXXIV 293 10 21
Gudikalbētta „	92 54 9	244	Kóllupálayam, LXXV 317 0 32·8
Kēre Bēlagal, XXI	131 6 44	244	Aivaremalai Hill Building 328 24 28
Tsamulagudúr s.	132 42 55	907	Jēmbavai Hill Peak 347 7 7
Inaganda Fort	151 10 35	905	<b>Chēnnimalai, LXIX</b>
Yēllakōnda h.s.	220 21 37	903	Sivamalai Hill Pagoda 21 43 38
Kurnool Fort	248 26 43	909	Alagumalai, LXXIII 45 46 5·15
Jagannáth No. 1 „	261 33 14	903	Alagumalai h.s. 45 47 41
Rámallakot „	305 24 4	913	Alagumalai Hill Temple 45 48 44
Gorantla Pagoda	331 29 6	915	Úttukuli Hill Temple 98 15 0
<b>Cháavadipálayam s.</b>			Koribētta „ 104 46 41
Chēnjeri h.s.	33 8 0·1	1923	Arasanamalai Hill Mark 120 46 57
Shámichēttipálayam s.	134 33 38·0	1924	Arasanamalai Hill Temple No. 1 120 47 17
Kallimedu „	291 12 22·3	1923	Arasanamalai Hill Temple No. 2 120 48 7
<b>Chávalpalle h.s.</b>			Nagumalai Hill Temple 127 42 30
Pōchamagat, IX	68 12 46	856	Thittamalai Hill Temple 129 42 55
Sayedpalle Hill Mosque	111 15 57	858	Thittamalai, LXXI 129 47 54·51
Bodampád s.	188 37 54	856	Gopichēttipálayam Hill Temple 154 30 8
<b>Chebala h.s.</b>			Komálkaradu, LXVIII 162 7 59·62
Yēllakōnda Hill Pagoda	143 21 11	786	Uráchimalai h.s. 197 44 40
Topkōnda, III	161 52 22·83	744	Bhaváni Temple 198 48 6
Umdiapur Hill Pagoda	218 10 34	785	Erode s. 216 48 48
Lachhmanpur h.s.	226 59 49·41	744	Erode Church 217 38 17
Golconda Fort (helio.)	254 25 15	765	Morúr, LXVII 230 22 29·91
Golconda Hill Mosque	254 43 23	758	Tiruchēngod Hill Temple 235 3 18
Gaganpahár „	273 29 24·12	745	Yérramangalam Hill Pagoda 243 16 22
Narkod Tomb	287 35 47	846	Vebakarumalai Hill Peak 252 57 54
Mahádevamgutta Hill Pagoda	289 40 15	845	Arnagiri Hill Temple 253 27 40
Mallanagutta „	293 35 52	836	Yēlmatúr h.s. 254 36 11
Rámánujpuram Pagoda	306 1 37	841	Yēlmatúr Hill Temple 254 43 25
Solipet Mosque	315 11 12	838	Púgalúr Hill Temple 281 29 11
Bodampád s.	358 24 32	819	Yēttimalai, LXX 289 46 26·01
<b>Chekkunnu h.s.</b>			Paramati Hill Temple 298 47 53
Urattmalai h.s.	27 5 38·9	1815	Kátpálayam s. 336 37 41
Pukunnu s.	86 29 27·3	1814	Tirumankaradu, LXXII 338 2 50·55
Narikot h.s.	157 48 55·0	1814	Pachapálayam „ 347 33 43·0
Wáyútmalai Hill Peak	191 6 8	1845	Kanapálayam „ 350 53 18·1
Pránakod No. 1 „	325 24 11·1	1816	Pachapálayam Temple 352 0 57
<b>Chēllappabētta h.s.</b>			<b>Chetkuli h.s.</b>
Kurumalai No. 2 h.s.	3 22 56	1753	Karadigutta, LXII 218 2 4
Karibētta „	180 21 42	1747	Puralgudda h.s. 298 34 6
Guttiráyan „	245 57 43	1747	<b>Chikalgurki s.</b>
Pikili Hill Mark	271 32 0	1749	Hōnnúr, XXIX 52 38 22
Karadigutta, LXII	325 57 11	1748	Gadēkal, XXVI 201 29 40
			Udarpidurga, XXVII 314 31 36
			<b>Chikkanamangalam h.s.</b>
			Hemagiri h.s. 6 10 17
			Huliyúrdurga Building 11 12 45
			Rangaswámibētta „ 124 44 2
			Kunigal Fort 145 41 12

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Chikkapalli h.s.</b>		<b>Chittiganpalli h.s.</b>	
Varakönda h.s. 121 25 19	1643	Buradagunte Fort h.s. 19 20 40	1689
Yërrakönda, XXXIV 148 49 48	1614	Chikkapalli h.s. 62 26 4	1659
Yellampalli Fort 176 10 45	1644	Saikailkönda " 198 29 15	1658
Itikalurga " 186 32 51	1614	Könköntlu " 323 58 34	1658
Somnádmalai Hill Mark 187 39 40	1648	Iragampalli Fort 339 47 52	1663
Mittémári Fort 188 28 54	1645		
Kavalkönda Hill Pillar 227 7 26	1651	<b>Chyági s.</b>	
Chittiganpalli " 242 23 1	1659	Hölalagundi h.s. 1 47 22	1032
Könköntlu " 268 21 11	1616	Kanchengod " 37 31 30	1038
Urakönda " 275 41 30	1662	Hanumanta Pagoda 182 28 53	1091
Chintámani Hill Tree 313 42 40	1686	Hálwi " 246 42 1	1047
Malapalli Hill Pagoda 318 16 42	1685	Kámannagutta " 281 20 9	1032
Ambájidurga Building 320 59 59	1684		
Rahmanghar " 327 14 25	1617	<b>Coimbatore s.</b>	
Kundalagurki " 327 17 28	1715	Coimbatore Church 12 50 6	1956
		Éttimalai No. 1 h.s. 34 37 8.5	1928
<b>Chinna Chëppalli h.s.</b>		Pakásura " 157 11 22.0	1940
Nandimandalam h.s. 32 12 19.4	1410	Arakulam s. 276 15 4.8	1927
Yërrakönda " 96 4 57.9	1410	Édayárpálayam " 301 23 39.0	1927
Pushpagiri " 250 13 9.8	1412		
Pesiduvaripalli " 321 39 0.8	1411	<b>Dampetla h.s.</b>	
		Urakönda, XXXII h.s. 59 14 51	1435
<b>Chinnagara h.s.</b>		Ávuladevarakönda h.s. 135 55 30	1435
Betdásanpur h.s. 43 52 16	441	Tádmari Fort h.s. 170 34 43	1438
Shivansandra " 101 47 36	441	Dampetla Fort 190 42 35	1452
		Pëdda Kotla " 194 18 51	1436
<b>Chintágunta h.s.</b>		Gudankönda Hill Pillar 195 31 7	1450
Lankamalai h.s. 273 23 47	1598	Pëdda Kotla Fort 203 34 54	1447
Wámkönda " 312 48 35	1598	Chinna Kotla Fort 209 29 42	1449
		Budanampalli Fort 227 50 42	1441
<b>Chintalakönda h.s.</b>		Ködavëndlapalli Fort 238 31 27	1568
Koilkönda h.s. 85 24 57	280	Pálkönda No. 2 h.s. 240 59 23	1437
Pattikönda s. 115 47 29	281	Malaikönda Hill Mark 359 22 23	1453
Pulikönda, XXIII 158 39 47	280		
		<b>Darúr, XVI</b>	
<b>Chintalapalli h.s.</b>		Boyalgúdem Hill Pagoda h.s. 30 1 5	342
Pëdda Kotla h.s. 20 4 59	1568	Induvási h.s. 37 40 33	243
Nallakönda " 156 3 55	1549	Tuagat " 54 32 9	343
Chúkkalúr Pagoda 181 43 26	1576	Adamorsu " 71 5 47	246
Tadpatri Pagoda No. 2 189 42 14	1554	Maliabad, XIX 73 4 0.82	24
Tadpatri Pagoda No. 1 190 16 37	1553	Ráichur Building 84 42 27	225
Ávulatëppáyapalli Pagoda 196 51 47	1574	Nárabanda Hill Platform 112 53 21	180
Abdullapuram Hill Platform 202 49 43	1551	Kistna Railway Station (helio.) 119 52 55*	221
Vírapuram Fort 213 24 20	1577	Köttapalle, XV 132 36 1.92	23
Shanagalagúdúr Fort 215 54 32	1578	Tönsalgutta s. 134 24 33	183
Bëdudúr h.s. 251 8 8	1556	Makhtal Idgah 150 3 46	200
Etúr Pagoda 253 19 56	1564	Naragudda Pagoda 151 18 50	217
Gandikot " 258 55 15	1548	Sangamkönda Hill Tree 151 33 30	202
Nittúr Pagoda 267 17 48	1570	Pulmámbi Hill Pagoda 171 58 13	196
Gatpet Hill Pagoda 270 54 18	1579	Impagat, XIII h.s. 179 15 8.81	23
Ankálammagúdúr Hill Platform 311 16 34	1572	Chandragudda h.s. 198 7 9	179
Pálkönda No. 2 h.s. 354 17 8	1548	Gurumurtia " 218 11 46	187
		Atmakúr Building 230 52 39	220
<b>Chintalikunta, XVIII</b>		Pëddapád s. 231 36 12	184
Jánikálu, XX 6 40 36.01	30	Darúr Fort 262 38 42	219
Naikal, XVII 191 15 1.28	28	Gadvál Pagoda 266 6 12	210
Köttapalle, XV 251 24 47.49	28		
Kistna Railway Station (helio.) 258 58 46*	222		
Maliabad, XIX 301 38 21.29	29		

\* From unadjusted triangle, vide page 43—4.



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Darúr, XVI—(Contd.)</b>	° ' "	<b>Devarabëtta, LV</b>	° ' "
Pángal Building	267 16 9	Köppabëtta, LVIII	26 14 55.83
Shakapur	h.s. 269 32 3	Bánatimaribëtta, XLV	76 2 6.38
Anantapur Hill Pagoda	278 36 31	Bannergatta, XLII	164 57 21.35
Yadulagutta	„ 283 21 16	Hösúr, L	244 5 56.07
Anantapur	„ 284 7 7	Hösúr	h.s. 244 20 49
Bölligutta Tippa	„ 286 37 28	Ánehëttdurga, LVI	277 51 55.04
Yéllakönda	„ 289 3 22	Mariyálam, LVII	342 32 36.31
Gattináráyantippa	„ 313 15 1		
Rájavali Pagoda	„ 337 13 45		
Tanagal	„ 343 44 33		
Devaragat	„ 345 46 10		
Kére Bēlagal, XXI	356 55 47.31		
		<b>Devarabëtta h.s.</b>	
<b>Devádēlabëtta, XXX</b>		Banavanakal	h.s. 5 28 53
Yérragunta	h.s. 148 28 35	Bandhallidurga	„ 34 7 38
Hönnúr, XXIX	175 58 14.52	Kabbáldurga	„ 68 40 9
Udarpidurga, XXVII	218 7 12.07	Savandurga, XLI	131 55 26
Köndapalli, XXXI	276 15 15.21	Halasúrbëtta, XXXIX	179 16 4
Pálvoi Hill	317 46 2	Tirthapalli, XLVI	211 36 16
Pávagada, XXXIII	342 1 23.11	Ankisgiridrug	„ 263 46 6
		Ánehëttdurga	„ 277 46 25
		Hudedurgam Pagoda No. 1	„ 287 40 14
		Karibëtta	„ 330 42 44
		Pönnásibëtta	„ 357 48 17
<b>Devádēlabëtta h.s.</b>		<b>Devaragat h.s.</b>	
Kondarpidurga	h.s. 19 0 30	Kére Bēlagal, XXI	1 23 44
Talak	„ 70 52 57	Maliabad, XIX	94 27 28
Timmapankönda Hill Pillar	„ 115 12 26	Darúr, XVI	165 46 41
Ráyadrug	„ 117 56 28		
Bellaguppa	„ 173 29 26		
Bellaguppa Fort	184 12 44		
Yérragudi Fort	193 3 53		
Udarpidurga, XXVII	218 11 1		
Gangávaram Fort	222 8 59		
Pampanúr Hill Pagoda	248 51 29		
Köndapalli, XXXI	276 8 56		
Kogarabanda	h.s. 291 5 32		
Rámpur Fort	296 6 20		
Pratimkönda Hill Mark	303 44 32		
Kámankönda Hill Mark	334 53 4		
Mulkanúr Hill Pagoda	335 6 43		
Kadiridávarpilli Hill Pagoda	342 11 17		
		<b>Devarakönda, XXVIII</b>	
		Urakönda, XXXII	5 32 15.59
		Köndapalli, XXXI	58 48 21.55
		Anantapur House (helio.)	95 41 25
		Udarpidurga, XXVII	117 53 36.78
		Gooty, XXV	180 17 45.70
		Ávuladevarakönda	h.s. 322 33 0.6
		Dharmavaram Palace (helio.)	344 51 12
		<b>Devarakönda No. 1 h.s.</b>	
		Urakönda, XXXII	5 33 5
		Kannaganpilli Pagoda	29 9 52
		Pratimkönda Hill Mark	38 21 5
		Tirumaldávar	h.s. 41 30 28
		Köndapalli, XXXI	58 47 47
		Pampanúr Hill Pagoda	88 39 44
		Anantapur Fort	98 42 51
		Udarpidurga, XXVII	117 51 58
		Shidampet Hill Pillar	124 52 20
		Gooty, XXV	180 16 50
		<b>Devarakönda No. 2 h.s.</b>	
		Amrabad	h.s. 16 1 59
		Munnanúr	„ 29 10 40
		Sirsangandla Hill Pagoda	„ 97 38 53
		Maishagutta	„ 104 21 48
		Jillarkhanpalle Pagoda	„ 105 16 15
		Surikönda	„ 128 10 0
<b>Devanakönda h.s.</b>			
Pattikönda	s. 16 24 47		
Gudikalbëtta	h.s. 157 31 2		
Kére Bēlagal, XXI	204 31 9		
Inagandla Fort	205 31 34		
Chanugundla	s. 228 54 13		
Pulikönda, XXIII	324 40 50		
<b>Devanhalli s.</b>			
Devanhalli Fort	68 23 21		
Kundana	h.s. 91 16 51		
Kodagurki	„ 155 47 51		
<b>Devanúr s.</b>			
Kodangal, VIII	40 20 8		
Vomékönda, VII	156 59 41		
Anantagiri, VI	232 39 39		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Devarakönda No. 3</b> h.s.      ° ' "		<b>Döddabëtta</b> h.s.      ° ' "	
Tummalamalai h.s.      32 45 25	1622	Mikarubëtta h.s.      26 41 25.2	1942
Mallappakönda      "      84 34 15	1455	Derbëtta Hill Mark      47 55 11	1959
Pamudurti Turret      "      87 23 12	1566	Kudiakád Hill Mark      55 41 46	1960
Pálkönda      No. 2      "      172 8 28	1456	Kolari Hill Mark      58 0 17	1961
Dorigal Fort      "      182 33 18	1465	Pakásura      "      310 43 15.0	1942
Patnam Fort      "      301 40 58	1623	Devarbëtta Hill Mark      318 54 30	1957
Gödduvelagala      "      303 39 30	1461		
Kúttagulla Fort      "      318 1 40	1463	<b>Döddagunta</b> s.	
Kadiri Hill Pagoda      "      323 23 54	1468	Bangalore Base-line S.W. End, LII      106 44 54	1735
Innáglúr Hill Staff      "      349 53 16	1455	Nágavára s.      155 38 40	1735
Dönnikotakönda      "      357 46 53	1464		
<b>Devaráyadurga</b> h.s.		<b>Döddakurkimaradi</b> h.s.	
Bairandurga Staff      7 39 55	435	Utarigudda h.s.      70 32 37	1371
Hutridurga Stone      11 55 7	437	Karëddigudda No. 2      "      134 28 43	1373
Rámenhalli Hill Pillar      19 13 26	436	Jogimardi      "      139 5 48	1371
Rangaswámibëtta h.s.      34 48 27	424	Hiriyúr Pagoda      153 10 32	1378
Bömmahalli      "      79 47 57	419	Vaddikëre s.      166 36 25	1376
Nundydroog      "      270 22 16	418	Yënnëkal h.s.      222 56 59	1372
Sítakal      "      312 0 54	1716		
Bardi      "      319 39 28	422	<b>Dödnírmanga, XXXVII</b>	
Hëggunda Hill Pagoda      335 23 43	1717	Mídagëshidurga Hill Mark (helio.)      193 16 46	395
Rámadevarabëtta Pagoda      347 22 20	1718	Pávagada, XXXIII      195 6 25.45	47
Savandurga, XLI      350 14 19	418	Madakasíra Hill Mark (helio.)      200 30 43	393
Shivaganga Hill Pagoda      357 13 19	420	Maddagiri Fort (helio.)      228 52 52	399
Nijagalurga Pillar      358 45 50	1716	Hindupur Temple (helio.)      237 8 24	397
		Yërrakönda, XXXIV      237 34 26.05	47
<b>Dhárápúram</b> s.		Mákalidurga, XXXVIII      293 57 13.97	48
Chënjeri h.s.      104 34 53	2015	Rámadevarabëtta, XL      354 23 20.13	49
Udiyúr      "      174 26 10	2014		
Muttukoil      "      273 51 18	2014	<b>Dönnikotakönda</b> h.s.	
Rangamalai, LXXVII      283 51 20	2013	Devarakönda No. 3 h.s.      177 46 59	1464
Paruttimalai, LXXIV      330 5 11	2013	Patnam Fort      203 5 5	1623
		Gödduvelagala      "      256 42 27	1464
<b>Dhonekönda</b> h.s.		<b>Dúdála, XLIV*</b>	
Koilkönda h.s.      75 54 11	271	Göraigat, I      7 38 32.97	1
Pulikönda, XXIII      109 49 5	271	Shilápalle, XLVII*      50 19 22.28	1
Këre Bëlagal, XXI      159 1 37	911	Medkönda h.s.      288 14 35	752
Jagannáth      No. 1      "      204 18 23	911	Maravalle Tree      320 36 35	145
Rámallakot      "      224 16 40	912	Tadmanúr, II      326 29 58.19	6
Lanjabanda Hill Fort      230 59 14	914	Topkönda, III      336 15 29.51	8
Siddanagat      "      353 25 6	278		
<b>Dialmalai</b> h.s.		<b>Dunavaram</b> h.s.	
Kanavaiputtúr h.s.      82 49 15	1745	Ádrilla Hill Pagoda      37 36 26	861
Munimalai      "      156 23 35	1744	Bádapalle h.s.      44 34 59	825
Vëllármalai      "      172 22 45	1743	Koniapalle Hill Mark      93 30 46	850
Arúr Fort      227 27 20	1746	Bodampád s.      108 46 33	824
Arúr      "      238 7 38	1743	Imámbára Hill Mark      111 4 8	848
		Guttapalle h.s.      172 31 30	824
<b>Dindigul</b> h.s.		Gúdúr Chënnaráyangudda Hill Pagoda      221 58 13	953
Rangamalai, LXXVII      171 2 18	619	Tátiparti h.s.      284 29 52	952
Mudimalai, LXXIX      257 31 46	619	Janalráygudda      325 25 20	826
		Ipallepalli Hill Pagoda      351 10 24	863
<b>Divatipati</b> h.s.		<b>Durgapahár</b> h.s.	
Puralgudda h.s.      82 47 15	1755	Gaganpahár h.s.      0 19 45	763
Karadigutta, LXII      124 7 4	1754	Golconda Fort (helio.)      2 27 41	766
Göllapalli      "      171 26 2	1754	Lachhmanpur      "      172 26 41	762

\* These stations appertain to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Durgapahár h.s.—(Contd.)</b>		<b>Gadēkal, XXVI</b>	
Secunderabad Church No. 1	243 45 24	Búdagávi Hill Mark	1 23 17
Secunderabad	h.s. 255 33 40	Nimbágal	s. 9 11 44
Hyderabad, Naubatpahár	" 282 8 50	Kalyándrug Hill Mark No. 1	13 10 14
Hyderabad Mosque No. 2	" 302 47 27	Chikalgurki	" 21 30 30
Hyderabad College	309 32 54	Hönnúr, XXIX	34 18 44.54
Hyderabad Mosque No. 1	310 45 39	Yérragunta	h.s. 39 45 38
Hyderabad Hill Temple	322 1 9	Bandúr	" 55 28 36
Hyderabad Hill Tomb No. 1	337 51 26	Jetting Rámesvar Hill Rock	" 57 36 29
		Kategudda	s. 94 6 40.1
<b>Édayárpálayam s.</b>		Bellary Railway Station	" 94 25 14.2
Kinattukkadavu	h.s. 44 8 44.3	Bellary Hill Fort (helio.)	94 43 31
Éttimalai No. 1	" 89 25 21.6	Bellary Sessions Court	" 95 10 34.6
Coimbatore Church	" 116 4 9	Arakérébétta	h.s. 170 11 28
Coimbatore	s. 121 25 20.0	Ádoni, XXII	184 7 35.46
Arakulam	" 233 29 49.1	Pulikönda, XXIII	224 57 3.21
Shamichéttipálayam	" 252 46 14.8	Koilkönda	" 240 53 14
Chénjeri	h.s. 320 46 39.0	Gooty, XXV	271 6 24.87
		Konaköndla	" 275 4 49
<b>Elamkunnu h.s.</b>		Pulikönda Hill Tower	281 47 8
Pönmalai	h.s. 145 1 41	Pamidi	" 295 21 30
Kotakád Church	166 42 49	Chayabala Hill Pillar	337 25 41
Trichúr Flag-staff	174 40 29	Udarpidurga, XXVII	340 33 42.68
Machátmalai	" 195 22 39	Uravakönda Hill Mark	354 2 6
Múdelmalai	" 232 32 9		
Pundimúdi Hill Mark	" 275 53 33	<b>Gadēkal h.s.</b>	
Yérrandamalai	s. 350 22 54	Bandúr	h.s. 55 28 12
		Sugidaribétta	" 83 32 47
<b>Erode s.</b>		Moka Fort	122 38 54
Chénnimalai, LXIX	36 50 32	Guddadur No. 1	" 128 32 39
Uráchimalai	h.s. 165 40 24	Arakérébétta	" 170 12 45
Yérramangalam Hill Pagoda	295 56 4	Álúr	s. 177 43 14
		Gummanúr Mosque	179 14 25
<b>Érukandurai, CIII</b>		Chippigiri Pagoda	215 24 48
Punnæ Observatory, CIV	23 34 21.97	Maddikéra Pagoda	232 56 26
Tanakarakulam, XCVII	182 22 32.81	Koilkönda	h.s. 240 53 28
Cape Comorin Base-line S. End, CI	256 4 37.87	Bolikönda	" 258 2 56
Kudankulam, XCV	306 40 43.20	Gooty, XXV	271 6 10
		Konaköndla	" 275 3 43
<b>Éttimalai No. 1 h.s.</b>		Boglemárkönda	" 279 4 57
Kunam Podári	h.s. 19 5 33.9	Pamidi	" 295 20 51
Karimalai No. 1	" 92 20 34.4	Gumpmál	" 301 14 15
Coimbatore	s. 214 36 24.9	Tellagudda Hill Platform	309 51 19
Édayárpálayam	" 269 22 57.6	Ragulapád Hill Pillar	322 29 23
Kinattukkadavu	h.s. 311 23 11.3	Nillulenitimmápuram Pagoda	328 59 11
		Pédda Hotúr Pagoda	330 42 21
<b>Éttimalai No. 2 h.s.</b>		Udarpidurga, XXVII	340 32 31
Ánaimalai Hills, Peak No. 7	9 6 14		
Kölangod Hill Peak	24 22 8	<b>Gaganpahár h.s.</b>	
Waumalai	h.s. 41 47 0	Bíbipet Mosque	44 28 48
Karimalai No. 2	" 92 20 44	Mallanagutta	h.s. 49 44 41
Pérumálmudi	" 143 37 9	Bodampád	s. 53 31 15
Kadalúrshi	" 155 22 30	Narkod Building	56 12 10
Kuridi Hill Peak	" 175 40 50	Narkod Tomb	58 24 59
Perúr Pagoda	190 6 0	Rámánujpuram Pagoda	64 33 30
Siravanampati	" 210 53 21	Solipet Mosque	69 45 15
Coimbatore Palace	" 213 17 59	Chebala	h.s. 93 34 5.20
Ayyampálayam	s. 256 22 37	Lachhmanpur	" 176 28 47.16
		Golconda Tomb	177 6 0
		Durgapahár	" 180 19 43
		Secunderabad Tomb No. 1	200 44 24
		Hyderabad Mosque No. 3	207 3 42
			776

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Gaganpahár h.s.—(Contd.)</b>		<b>Gardangiri No. 2 h.s.</b>	
Bolarum Flag-staff	209 21 14	Bágúr Pagoda	171 53 4
Bolarum Monument	210 5 23	Hösdurga h.s.	188 16 51
Bolarum Mosque	210 36 8	Sidragudda	254 1 54
Secunderabad Hill Temple	211 31 7		
Hyderabad, Naubatpahár h.s.	211 36 33 23	<b>Gatdrug h.s.</b>	
Secunderabad Flag-staff	211 50 54	Köñköntlu h.s.	73 12 38
Hyderabad Hill Tomb No. 1	212 10 4	Chelúr Fort Bastion	104 21 23
Hyderabad Hill Mosque	212 56 41	Kunnakönda	172 15 28
Secunderabad Church (helio.)	214 24 42	Batlapur Fort	173 40 21
Secunderabad	217 50 27 54	Pulikönda	242 12 46
Hyderabad House	218 38 10	Tumakönda	265 27 27
Secunderabad Hill Mosque	221 28 38	Mudimadagu Hill Platform	323 11 47
Hyderabad Statue	223 35 34	Adavi Ávalpalli	335 24 53
Kishoragutta	230 28 8 13		
Hyderabad Tomb	231 26 26	<b>Gattináráyantippa h.s.</b>	
Hyderabad Hill Tomb No. 2	239 11 39	Kére Bēlagal, XXI	13 46 50
Hyderabad Hill Temple	251 37 33	Darúr, XVI	133 16 45
Hayátnagar Mosque	261 51 34	Impagat, XIII	169 32 23
Bálapur	275 8 47		
Malkapur	279 23 39	<b>Gavigat h.s.</b>	
Babu Sáhib Hill Dargah	294 22 43	Timmapa h.s.	76 10 21
Mahádevamgutta Hill Pagoda	353 11 34	Kavital Hill Dargah	113 51 56
Guttapalle	357 40 25	Husainpur	124 7 56
		Kálanagari Hill Tower	135 40 2
<b>Ganapur, X</b>		Parmánanda	147 3 27
Hudági, XII	46 38 29 43	Waddavati Hill Pagoda	162 49 22
Vomékönda, VII	248 12 2 32	Kakarkal	197 24 24
Kodangal, VIII	316 35 4 71	Sirávár	207 1 52
Akampalle h.s.	320 1 17	Kallur	249 51 2
Nēlagat, XI	354 9 14 58	KhariDIGudda Hill Tower	282 11 42
<b>Gandikot h.s.</b>		<b>Göddahalli h.s.</b>	
Bhanukotakönda Hill Mark	24 13 7	Basavangudda h.s.	211 53 26
Pálkönda No. 2 h.s.	41 29 0	Nágavára s.	262 47 17
Chintalapalli	78 59 38	Bangalore Base-line S.W. End, LII	344 21 39
Nallakönda	101 12 48		
Tadpatri Pagoda No. 1	116 22 0	<b>Gödduvelagala h.s.</b>	
Kodúr Fort	118 31 21	Saikaikönda h.s.	18 51 52
Jillalapēnta Hill Platform	129 31 42	Tummala Hill Pillar	30 0 53
Rámavaram	162 47 5	Innáglúr Hill Staff	53 24 0
Pērusomala Pagoda	166 57 50	Kadiri Hill Pagoda	59 17 36
Alavakönda	174 8 4	Dönnikotakönda	76 45 6
Nösam Hill Platform	200 3 6	Amgundpálayam	80 6 23
Hauhoballam	231 18 5	Kúttagulla Fort	85 14 36
Vamikönda Hill Platform	239 28 7	Tummalamalai	93 42 37
Lankamalai	281 3 47	Devarakönda No. 3	123 42 15
Anaimalai	325 58 13	Pípád	165 12 7
Mallela Hill Mark	349 15 50	Kannikallakönda	175 5 18
		Vēllikönda	201 58 30
<b>Gangávati h.s.</b>		Vepamánipet Turret	213 16 53
Jambanáth h.s.	23 42 39	Bandlapallikönda Hill Pillar	217 49 35
Yamigudda Hill Peak	103 37 26	Dikúnraidu Hill Pagoda	235 42 31
Udarkal	134 9 9	Vēllichalmalai Hill Mark	279 11 16
Nauli	175 13 42	Ísvaramalai	316 18 2
Timmapuram	331 48 28		
		<b>Gánugapēnta h.s.</b>	
<b>Gánugapēnta h.s.</b>		Lankamalai h.s.	39 25 27
Lankamalai	39 25 27	Nandiálampet Hill Pagoda	65 55 13
Nandiálampet Hill Pagoda	65 55 13		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Göllapalli h.s.</b> ° ' "		<b>Göraigat, I</b> ° ' "	
Puthu Isalahalli s. 0 12 22	1759	Kotamaripalle Hill Mark (helio.) 12 42 24	148
Karadigutta, LXII 47 16 32	1750	Kotamaripalle h.s. 12 53 1	161
Pikili Hill Mark 164 25 42	1750	Kandēnmarai, IV 44 14 14·66	2
Pikili h.s. 188 19 6	1752	Kumkoal Bungalow 65 18 55	156
Alankarai " 263 29 26	1751	Chintalgat Hill Fort 97 20 38	144
Mukanúr " 272 10 30	1758	Kupanagar Turret 121 8 3	147
Divatipati " 351 25 33	1754	Shilápalle, XLVII† 124 7 58·64	1
		Dúdála, XLIV† 187 37 50·43	1
		Maravalle Tree 210 25 53	146
		Tadmanúr, II 220 9 36·05	7
<b>Gooty, XXV</b>		Sangarēddipet Building 277 22 50	158
Devarakōnda No. 1 h.s. 0 16 59	294	Gopálavaram Hill Fort 285 10 16	162
Devarakōnda, XXVIII 0 17 47·86	38	Topkōnda, III h.s. 303 43 35·92	8
Gooty Base-line S. End s. 2 53 11	314	Nakalgutta " 333 10 15	165
Pamidi h.s. 24 9 37	283	Nágarēddipalle " 338 19 9	163
Udarpidurga, XXVII 46 34 45·57	37	Budarám Hill Temple 342 55 37	157
Namthabad s. 70 44 6	290	Mōthakapalle, V 359 11 44·72	3
Boglemárkōnda h.s. 77 19 16	285		
Pulikōnda Hill Tower 85 36 44	353	<b>Gubbi s.</b>	
Rámkōnda Hill Stone 88 26 24	331	Hēnnúr s. 33 9 44	1732
Konakōndla " 89 22 55	288	Ráchēnhalli " 76 40 40	1732
Gadēkal " 91 12 33	269	Bangalore Base-line N. E. End, LIII 159 21 32	1734
Gadēkal, XXVI 91 12 50·92	34		
Guntakal Railway Station (helio.) 101 7 56	287		
Rámadrug Hill Fort 115 8 37	349	<b>Guddadur No. 1 h.s.</b>	
Chennampalli Hill Turret 163 55 24	333	Korlagōndi Pagoda 29 13 21	1109
Koilkōnda h.s. 169 0 38	263	Sugidaribētta h.s. 33 9 45	1036
Pulikōnda, XXIII 171 51 21·58	34	Kōlúr Hill Pagoda 69 47 34	1217
Yeddalkōnda Hill Temple 219 24 2	351	Kurgod " 101 22 42	1035
Katōmōráj, XXIV 225 28 23·65	36	Bálákundi " 169 9 25	1094
Siddanagat " 240 35 39	272	Mailapuram Pagoda 171 22 3	1099
Bolikōnda Hill Peak 275 8 13	330	Hōlalagundi " 193 55 18	1035
Molakatalla Hill Pagoda 333 31 21	338	Talúr Fort 200 26 2	1216
Gumpmál " 353 0 19	274	Guliyam Fort 238 38 15	1044
		Arakērēbētta " 243 26 23	1040
<b>Gooty Base-line N. End s.</b>		Hattibēlagal " 256 54 29	1110
Pamidi h.s. 10 42 15	311	Halaharivi Fort 263 24 30	1113
Boglemárkōnda " 81 14 43	311	Sindhavallam Hill Pagoda 266 53 7	1101
Chēnráyankōnda Hill Pagoda 94 32 14	320	Gadēkal " 308 28 44	1037
Bolikōnda " 132 29 4	312	Moka Fort 320 15 41	1108
Bodthagudda " 159 4 33	315		
Gooty Base-line S. End s. 335 38 13	313	<b>Guddadur No. 2 h.s.</b>	
		Nagarbētta h.s. 175 20 11	1147
<b>Gooty Base-line S. End s.</b>		Mūdālagundi " 197 29 23	1183
Illúr Pagoda 15 34 28	340	Kotekal " 230 53 35	1146
Pamidi Pagoda 35 58 33	339	Jiādīgudda " 281 18 53	1176
Pamidi h.s. 50 35 42	313	Rādākōnda " 285 44 35	1145
Rámkōnda Hill Stone 120 40 0	331	Udarkal " 353 41 53	1145
Gooty Base-line N. End s. 155 38 48	313		
Gooty, XXV 182 53 6	314	<b>Guddaráyangutta h.s.</b>	
Bolikōnda Hill Peak 211 17 7	330	Gurumurtia h.s. 28 15 33	192
		Lálkōta Fort 86 22 59	195
<b>Gopálswámi h.s.</b>		Impagat, XIII 117 34 48	192
Kaulikátán h.s. 29 57 2	2034	Devarakadra Fort 121 28 51	194
Tévankurchi " 207 51 0	2023	Bádāpalle " 231 20 42	193
Sikandarmalai No. 2 " 230 33 42	2022		
Kutipárai " 309 55 55	2021		
Mínákshi, LXXIV* 338 4 43	2021		

\* This station appertains to the South-East Coast Series.

† These stations appertain to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Gudibanda h.s.</b>	° ' "	<b>Gundla Brahmesvaram h.s.</b>	° ' "
Náráyanhalli Hill Pillar	• 10 38 11	Rámavaram h.s.	61 28 33
Ávalkõnda Hill Peak	15 45 59	Gumankõnda	" 93 8 10
Mákalidurga	h.s. 38 45 57	Pèdda Kurwa	" 148 42 58
Kudikõnda Hill Stone	206 4 21	Siddhapur	" 174 8 53
Varalkõnda	" 297 25 51	Hauhoballam	" 357 45 11
Kavuranhalli	" 355 25 8		
		<b>Guntapalli h.s.</b>	
<b>Gudikalbètta h.s.</b>		Chilkalnerpu Fort	22 36 39
Kotakal No. 1 Hill Pillar	h.s. 49 42 55	Saikaikõnda	h.s. 190 13 30
Ádoni	h.s. 61 19 40	Kunnakõnda	" 244 13 33
Pèdda Tumbalam Pagoda	95 44 41	Kõnkõntlu	" 325 11 23
Kámannagutta	" 110 44 11		
Maliabad, XIX	164 48 15	<b>Gurramkõnda h.s.</b>	
Manchál Fort	169 58 40	Tumakõnda	h.s. 6 22 4
Induvási	" 189 13 7	Kunnakõnda	" 92 28 49
Nágaldinne	s. 209 46 30	Yèrrakõnda Hill Platform	97 19 39
Nágaldinne Pagoda	211 5 26		
Chinna Tándrapád Fort	223 22 28	<b>Gurumurtia h.s.</b>	
Tsamalagudúr	" 234 50 0	Guntapalli Hill Mark	2 22 11
Inagandja Fort	245 9 21	Gudvál Pagoda	10 32 14
Kère Bèlagal, XXI	252 15 2	Atmakúr Building	18 18 48
Chanugundla	" 272 48 53	Darúr Fort	32 42 25
Yèrrabád Pagoda	290 47 7	Darúr, XVI	38 14 50
Taranikal	h.s. 328 10 30	Naragudda Pagoda	65 15 11
Devanakõnda	" 337 29 30	Kõttapalle, XV	93 0 30
		Makhtal Idgah	98 7 48
<b>Guhesvar h.s.</b>		Makhtal Pagoda	98 51 28
Shigakal	h.s. 41 35 8	Sangamkõnda Hill Tree	103 54 29
Bistuvalli Hill Pagoda	135 47 18	Uldakod Fort	112 15 40
Kõtigudda Hill Pagoda	143 28 5	Pulmámbi Hill Pagoda	121 21 23
Kankuppa	s. 160 46 53	Impagat, XIII	145 3 50
Kuravinkal Hill Pagoda	166 13 40	Lálkõta Fort	158 37 53
Bairadávargudda Fort	176 24 56	Guddagúdém Hill Rock	177 9 47
Shiddalingana Fort	181 16 11	Devarakadra Fort	180 21 20
Viranadruug Turret	186 10 55	Guddaráyangutta	h.s. 208 14 11
Nimbalagiri Hill Mark	187 48 27	Bádapalle	" 223 20 15
Talak	h.s. 268 35 43	Yèllatúr Fort	" 257 26 13
Nannivála	" 290 24 56	Níalamari	" 260 40 56
Chitaldroog Flag-staff	343 55 25	Gopálpét Fort	280 39 15
Jogimardi	" 347 22 12	Wanparti Fort	290 53 47
		Yèrragutta No. 1	" 295 26 31
<b>Gumankõnda h.s.</b>		Santapur Hill Stone	305 19 37
Rámavaram	h.s. 27 8 36	Yèllakõnda	" 326 32 48
Jagannáth	No. 1 " 116 34 58	Shakapur	" 339 38 33
Pèdda Kurwa	" 204 23 28	Tippadampalli Mosque	347 8 59
Gundla Brahmesvaram	" 273 1 14	Anantapur Hill Pagoda	354 38 39
<b>Gumpmál h.s.</b>		<b>Gutargi h.s.</b>	
Gadèkal	h.s. 121 21 8	Sindgi	h.s. 78 40 36
Gooty, XXV	173 0 49	Badadol	" 187 53 32
Siddanagat	" 205 59 51	Jualagi	" 271 54 51
<b>Gúndiparla h.s.</b>		<b>Guttapalle h.s.</b>	
Jagannáth	No. 1 h.s. 36 51 36	Koniapalle Hill Mark	22 24 12
Yèllakõnda	" 181 2 52	Bádapalle	h.s. 38 7 35
Sultánpur Hill Pagoda	242 35 1	Imámbára Hill Mark	76 44 33
		Bodampád	s. 96 29 52

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Guttapalle h.s.—(Contd.)</b> ° ' "		<b>Hálhalli h.s.—(Contd.)</b> ° ' "	
Chegurti Pagoda      113 25 23	852	Sirigiri      h.s. 264 3 9	1133
Almirpet Mosque      133 54 5	853	Kurgod      " 291 49 8	1124
Gaganpahár      h.s. 177 40 31	820	Néllúdi      " 309 38 26	1125
Malkapur      " 248 38 33	947	Sugidaribétta      " 330 38 52	1123
Gúdúr Chénnaráyangutta Hill Pagoda      252 18 7	954		
Köppakönda Hill Mark      258 20 41	963		
Zapalle Hill Mark      266 40 53	965		
Tátiparti      h.s. 301 42 10	948	<b>Hálwi h.s.</b>	
Dunavaram      " 352 31 21	824	Hölalagundi      h.s. 11 21 21	1046
		Rádakönda      " 59 11 25	1062
<b>Guttiráyan, LX</b>		Chyági      s. 66 43 6	1047
Pönnásibétta, LIX      59 0 5'02	80	Maski      h.s. 98 5 37	1114
Mariyálam, LVII      128 5 47'24	80	Maski Hill Pagoda      98 33 34	1085
Karadigutta, LXII      355 37 37'08	81	Husainpur      " 130 26 47	1063
		Hanumanta Pagoda      141 13 18	1091
<b>Guttiráyan h.s.</b>		Mánvi Hill      144 7 13	1011
Chéllappabétta      h.s. 65 59 23	1747	Rámapa Hill Tower      158 46 51	1066
Karibétta      " 145 50 51	1739	Adavi Hill Pagoda      163 1 49	1004
Ráyakota      " 214 59 18	1739	Kakarkal      " 171 14 2	1001
Fíkili      " 270 49 36	1740	Muludukal Hill Pagoda      178 10 14	1086
Karadigutta, LXII      355 35 17	1748	Nílagallu Hill Tower      182 14 23	1006
		Gobúr Hill Tower      184 22 5	1016
<b>Halasúrbétta, XXXIX</b>		Kálamalai Hill Pagoda      194 9 37	1009
Bangalore Church No. 1      2 5 36	458	Boyalmarchair Hill Pagoda      194 15 21	1002
Bangalore      s. 4 38 21	403	Kallur      " 198 40 38	1007
Bannergatta, XLII      7 5 42'40	58	Gorakal Hill Peak      204 51 2	1013
Bangalore Flag-staff      8 22 7	453	Ráchálbanda Tower      214 57 50	1051
Bangalore Hill Pagoda      12 54 51	454	Maliabad, XIX      221 43 21	1001
Uialdinna Mandapam      " 13 34 56	412	Kandukúr Turret      222 17 7	1053
Savandurga, XLI      52 57 38'67	55	Sátanúr Fort      237 44 28	1055
Bánávar      h.s. 53 1 40	414	Bélagal      s. 273 45 19	1049
Bardi      " 93 4 47	423	Kosgi Hill Mark      284 44 36	1056
Rámadevarabétta, XL      109 58 39'91	50	Kámannagutta      h.s. 294 56 55	1046
Sitakal      " 115 8 18	1697	Kánavaram Pagoda      328 25 41	1058
Dödballapur Idgah      147 41 27	1719	Santakudlúr Fort      352 55 44	1048
Mákalidurga, XXXVIII      157 37 56'00	50		
Kalkote      " 175 54 7	1697	<b>Hannégudda h.s.</b>	
Nundydroog Building (helio.)      197 12 28	400	Kalangavi      h.s. 233 41 14	1398
Nundydroog Building      197 12 42	471	Ganganhalli Hill Pagoda      290 20 10	1398
Nundydroog      " 197 17 11	1720		
Nundydroog Hill Mark (helio.)      197 21 10	455	<b>Hattibélagal h.s.</b>	
Kodagurki      " 212 36 8	443	Guddadur No. 1      h.s. 76 58 7	1110
Ambájidurga, XXXVI      239 10 19'09	54	Arakérébétta      " 154 3 33	1110
Nandigudi, XLVII      261 13 23'38	77	Álúr      s. 208 7 0	1111
Koliga      " 272 55 40	416		
Kolár Peak      273 52 26	464	<b>Hauhoballam h.s.</b>	
Tirthapalli, XLVI      294 52 6'91	59	Gandikot.      h.s. 51 25 44	1532
Shivansandra      " 310 42 0	415	Alavakönda      " 88 8 7	1543
Devarabétta      " 359 16 4	404	Rámavaram      " 103 11 26	1531
Bangalore Church No. 2      359 37 46	460	Gundla Brahmesvaram      " 177 45 29	1531
		Lankamalai      " 340 57 13	1533
<b>Hálhalli h.s.</b>			
Devasamudram Hill Pillar      15 23 24	1128	<b>Hemagiri, XLIV</b>	
Timmapuram      h.s. 41 21 19	1123	Rangaswámibétta, XLIII      160 7 36'40	57
Kampli Fort      61 22 0	1132	Hutridurga Hill Mark (helio.)      205 35 21	452
Budaguppa Hill Turret      213 51 53	1136	Savandurga, XLI      245 57 48'04	57
Manúr Fort      230 58 22	1135	Bánatimaribétta, XLV      307 3 0'72	70
Ittigi Fort      234 16 13	1127		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Hemagiri h.s.</b>		<b>Hösdurga h.s.</b>	
Rangaswámibétta h.s. 161 12 23	426	Gardangiri No. 2 h.s. 8 17 30	1899
Chikkanamangalam " 186 10 3	427	Ganganhalli Hill Pagoda 47 17 19	1397
Savandurga, XLI 245 55 34	426	Kugankal " 54 54 43	1394
		Bágúr Pagoda 105 24 28	1401
		Kalangavi " 110 51 54	1394
<b>Hënnúr s.</b>		Rámagiri Turret 134 29 10	1396
Machalbétta s. 20 19 14	1728	Hotaugudda " 188 43 8	1395
Nágavára " 94 23 39	1728	Sidragudda " 325 2 19	1399
Ráchënhalli " 149 18 52	1730		
Gubbi " 213 9 26	1732	<b>Hösúr, L</b>	
		Devarabétta, LV 64 8 44.21	71
<b>Herohalli s.</b>		Bannergatta, XLII 108 12 21.67	60
Bánávar h.s. 186 10 50	429	Turukungutta, LI 153 28 50.80	61
Uialdinna Mandapam s. 262 11 50	429	Tirthapalli, XLVI 188 30 49.37	60
Bangalore h.s. 310 43 0	430	Bhúpatamma, XLIX 222 43 41.78	64
		Ánchëttidurga, LVI 340 1 19.74	72
		<b>Hösúr h.s.</b>	
<b>Hölalagundi h.s.</b>		Devarabétta, LV 64 23 36	466
Talúr Fort 8 10 18	1215	Bannergatta, XLII 108 26 54	466
Guddadur No. 1 h.s. 13 56 4	1035	Shivansandra h.s. 163 48 27	468
Kurgod " 53 30 43	1034	Apsándra " 190 20 46	468
Sirigiri " 73 39 6	1092	Márkandesvara " 211 24 34	469
Kúrigánúr Pagoda 77 28 32	1105	Ánchëttidurga, LVI 339 48 58	467
Tëkkalakota Hill Stone 93 55 11	1103		
Murigudda Hill 97 53 58	1119	<b>Hotaugudda h.s.</b>	
Bálákundi " 108 25 35	1096	Jenkaldurga h.s. 1 24 15	1393
Kanchëngod " 116 32 17	1033	Hösdurga " 8 43 39	1395
Salgönda Hill Peak 123 24 38	1121	Kalangavi " 59 22 19	1304
Ráðakönda " 124 30 36	1062	Kotakal No. 2 Hill Pillar 76 37 42	1388
Chyági s. 181 47 11	1032	Döðdavati Hill Pillar 89 57 41	1391
Hálwi h.s. 191 20 5	1046	Sírappanhalli " 124 3 26	1386
Kámannagutta " 216 59 54	1031	Shígakal " 143 50 23	1303
Santakudlúr Fort 217 20 2	1048	Gáðrigudda Hill Mark 155 39 7	1382
Ádoni " 237 40 2	1031	Umankal " 166 21 21	1384
Lingadahalli Hill Mark 268 28 29	1090	Jogimardi " 203 11 29	1302
Néraniki Hill Turret 285 1 41	1042	Karëddigudda No. 2 " 245 54 42	1375
Arakërëbétta " 302 4 33	1040	Utariqudda " 312 35 34	1302
Guliyam Fort 352 39 30	1044	Bevinhalli Hill Pagoda 324 47 41	1390
		<b>Hudági, XII</b>	
<b>Hönnúr, XXIX</b>		Ganapur, X 226 34 52.86	20
Jetting Rámesvar Hill Rock h.s. 75 47 47	391	Nélagat, XI 295 19 48.79	20
Bandúr h.s. 112 13 40	364	Pírlagat, XIV 346 12 47.08	21
Bandúr s. 114 22 12	366		
Bellary Hill Fort (helio.) 140 53 54	360	<b>Hulikeri h.s.</b>	
Bellary Railway Station " 142 27 33.4	357	Jaldurg Hill Tower h.s. 15 12 35	1168
Kategudda " 143 20 53.0	355	Nagarbétta " 81 46 31	1157
Bellary Sessions Court " 143 55 48.5	356	Ráyanpalle Fort 185 22 31	1158
Gadëkal, XXVI 214 16 34.22	42	Hunshigi Hill Tree 220 0 6	1157
Chikalgurki " 232 37 4	362		
Chayabala Hill Pillar 235 39 25	385	<b>Husainpur h.s.</b>	
Pulikönda Hill Tower 237 52 13	354	Ráðakönda h.s. 5 18 48	1064
Búdagávi Hill Mark 251 20 20	387	Kavital Hill Dargah " 32 51 32	1083
Uravakönda Hill Mark 261 30 13	389	Maski " 39 10 32	1114
Uðarpidurga, XXVII 290 52 11.98	42	Maski Hill Pagoda 39 40 14	1085
Nimbágal " 301 17 49	367		
Devádëlabétta, XXX 355 57 50.50	43		
Kalyándrug Hill Mark No. 1 359 42 26	372		



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Husainpur h.s.—(Contd.)</b>		<b>Impagat, XIII—(Contd.)</b>	
Amarávati Hill Tower	67 40 42	1116 Sapatlapalle Hill Pagoda	119 15 29 994
Topaldöddi h.s.	165 40 33	1067 Gurmatkál Idgah	120 9 44 990
Kakarkal "	228 19 34	1068 Kánkurthi h.s.	137 15 1 976
Rámapa Hill Tower	245 49 53	1065 Nēlagat, XI	152 21 31·73 16
Sirávár "	259 6 43	1071 Nēddichinta Hill Pagoda	177 38 39 996
Parmánanda "	281 49 13	1081 Kodangal, VIII	178 17 35·81 16
Gavigat "	304 5 37	1069 Pöchamagat, IX	227 19 38·43 19
Hálwi "	310 21 38	1068 Bádapalle "	264 56 39 188
Timmapa "	345 21 46	1079 Guddaráyangutta "	297 30 20 192
		Gurumurtia "	325 0 44 186
<b>Huvinkatte s.</b>		Pēddapád s.	348 32 3 185
Múganáyakankote h.s.	8 29 1	1722 Gattináráyantippa h.s.	349 30 32 224
Salparhalli "	249 33 29	1723 Chandragudda "	349 37 55 178
Chelúr Fort	294 15 6	1724 Darúr, XVI	359 15 2·14 23
Köndapur "	329 5 47		
		<b>Induvási h.s.</b>	
<b>Hyderabad, Naubatpahár h.s.</b>		Gudikalbētta h.s.	9 13 59 242
Gágapahár h.s.	31 37 47·25	747 Bandikunta Hill Peak	20 56 59 943
Golconda Fort (helio.)	71 44 44	766 Maliabad, XIX	121 26 33 242
Golconda Tomb	80 25 0	817 Adamorsu "	161 18 53 246
Durgapahár "	102 10 3	762 Darúr, XVI	217 38 4 243
Lachhmanpur "	147 59 59·79	747 Ráyalampád Hill Rock	226 47 29* 941
Rolarum P. W. D. Office s.	205 56 43·3	750 Rávalchēru "	238 39 29 939
Secunderabad Hospital	219 21 23	809 Tanagal "	287 7 0 928
Secunderabad Tomb No. 2	220 39 54	813 Yērragutta No. 2 "	288 30 9 942
Secunderabad Church (helio.)	221 49 15		
Secunderabad Church No. 2	224 29 48	<b>Innaglúr, XXXV</b>	
Secunderabad h.s.	229 28 13	788 Ambájidurga, XXXVI	4 51 36·45 52
Kishoragutta "	240 6 27·97	815 Yērrakönda, XXXIV	73 17 49·74 51
Hyderabad Idgah	328 32 36	764 Urakönda, XXXII	116 8 54·62 51
Hyderabad Mosque No. 2	348 56 46		
Hyderabad College	353 2 52	<b>Irumberai h.s.</b>	
Hyderabad Hill Temple	353 14 34	Siravanampati h.s.	15 42 50 1969
Hyderabad Mosque No. 1	354 42 19	771 Kuridi Hill Peak	38 8 20 1987
		769 Satyamangalam Pagoda	227 34 54 1983
<b>Idindakarai, CII</b>		Kumárapálayam Hill Pagoda	231 35 2 1984
Kudankulam, XCV	75 17 0·47	133 Kávalipálayam Pagoda	262 0 25 1985
Cape Comorin Base-line S. End, CI	133 22 21·24	132 Thittamalai, LXXI	273 41 53 1982
Arasákulam, XCVI	193 52 46·97	132 Arasanamalai "	291 7 10 1968
		132 Ayyampálayam s.	340 53 3 1968
<b>Ilaiyanainárkulam, XCVIII</b>		<b>Irúr h.s.</b>	
Cape Comorin Base-line N. End, C	49 33 55·19	Pagalavádi h.s.	70 24 34 2068
Rádhápuram, XCII	109 11 58·00	138 Mahádevi Hill Pagoda	91 21 36 2068
Arasákulam, XCVI	350 4 2·16		
<b>Impagat, XIII</b>		<b>Ísvaramalai h.s.</b>	
Tönsalgutta s.	9 51 11	Kunnakönda h.s.	8 6 14 1426
Makhtal Idgah	35 2 18	182 Kokkantidrug Pagoda	28 41 27 1653
Köttapalle, XV	47 47 15·70	22 Saikalkönda "	48 53 26 1457
Utkúr Fort	66 7 39	997 Tummala Hill Pillar	66 56 13 1493
Balichakramgutta Hill Peak	85 43 8	169 Innaglúr Hill Staff	91 52 42 1425
Yádgiri Hill Mark	96 22 47	173 Gödduvelagala "	136 19 41 1459
Birámkönda Hill Mark	97 46 5	176 Pipád "	152 6 34 1425
Kandkúr h.s.	105 11 32	977 Bandlapallikönda Hill Pillar	165 13 43 1477
Náráyanpet Hill Tomb	105 17 44	175 Vēllichalmalai Hill Mark	182 14 45 1486
Bodabanda Hill Pagoda	114 22 38	992 Dikúnraidu Hill Pagoda	201 42 28 1458
Pírlagat, XIV	114 33 51·08	17 Rájupalli "	215 51 35 1497
		175 Nēlkurti "	227 26 18 1495
		992 Bujanmalai Stone	265 40 26 1609
		17 Vandádi "	274 18 21 1496

\* From unadjusted triangle, vide page 74—4.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Ísvaramalai h.s.—(Contd.)</b>		<b>Jagannáth No. 1 h.s.—(Contd.)</b>	
Arved s. 282 19 18	1490	Kēre Bēlagal, XXI 98 5 41	834
Rajñmalle h.s. 283 11 6	1427	Vadapalli Hill Platform 131 58 4	923
Bekalkōnda Hill Platform 295 41 45	1505	Yēllakōnda h.s. 190 20 51	833
Yēllutladurga Tree 305 35 53	1507	Kurnool Fort 194 26 29	909
Pēddaballi Fort 310 55 40	1492	Gūndiparla " 216 50 43	918
Midimalapkōnda Platform 312 21 24	1509	Moravakōnda Fort " 221 50 44	921
Sādkōnda " 324 3 0	1488	Kudellisangam Pagoda 226 26 31	920
Motikamamalai Hill Pagoda 348 35 42	1469	Sangamesvaram Hill Pagoda 228 29 27	922
		Sultānpur Hill Pagoda 228 54 20	916
		Pēdda Kurwa " 239 11 24	838
		Gumankōnda " 296 30 44	973
<b>Itikaldurga h.s.</b>		<b>Jagannáth No. 2 h.s.</b>	
Kōppakōndarāyan Hill Pillar 0 14 16	1682	Katōmōraj, XXIV 9 19 47	1017
Chikkapalli h.s. 6 33 25	1614	Kēre Bēlagal, XXI 98 7 48	1017
Varalkōnda " 21 47 41	1642	Undaveli s. 171 31 21	1018
Gúlur Fort 38 57 48	1681	Kurnool Court (helio.) 180 46 22	1030
Yērrakōnda, XXXIV 93 7 49	1612	Kurnool Building (helio.) 180 49 33	1029
Gorantla Fort 124 47 14	1626	Kurnool House No. 2 (helio.) 182 57 1	1022
Mallemkōnda " 147 2 44	1628	Kurnool House No. 1 (helio.) 183 26 27	1020
Mallappakōnda " 169 0 50	1612	Kurnool Bridge 188 52 27	1027
Amgundpālaiyam " 173 49 19	1619	Kurnool Dargah 192 6 44	1025
Kōndakōmerla Fort 201 52 40	1627	Kurnool Flag-staff 192 27 32	1023
Pulagampalli Pagoda 224 48 3	1625	Pudúr h.s. 241 27 45	1019
Innāglúr Hill Staff 233 5 39	1613		
Tummala Fort 263 2 47	1680	<b>Jalál h.s.</b>	
Amadugúr Pagoda 277 22 8	1679	Tauga h.s. 31 21 50	1194
Saikalkōnda " 284 29 39	1646	Shorapur " 162 24 53	1198
Kōnkōntlu " 320 16 3	1616	Anjala Hill Tower No. 1 " 223 21 56	1195
Pēnnamale " 357 13 37	1677	Nāgargudda Hill Tower 242 49 53	1198
		Devadurg Hill Pagoda 253 53 58	1210
		Jalál Building 267 8 23	1200
		Kakarkal " 278 49 54	1198
		Jalál Hill Peak 340 43 50	1201
<b>Ittamōli, XC</b>		<b>Jambanáth h.s.</b>	
Vijayapati, XCIII 31 35 12.69	122	Ānēkalgudda h.s. 33 20 44	1247
Rādhāpuram, XCII 63 16 16.36	121	Bandarangangudda Hill Pagoda 75 55 22	1269
Suviseshapuram Church 86 56 18	722	Rāmesvarambanda s. 85 9 50	1248
Kanimārpōttai, XCI 117 8 9.09	117	Barikalgudda h.s. 107 27 20	1249
Valanád, LXXXVII 180 36 15.76	117	Bahādurbanda s. 108 17 31	1252
Tiruchēndúr, LXXXIX 243 42 27.08	120	Kopal h.s. 112 14 45	1254
Tiruchēndúr Temple 243 46 5	718	Hōsúr Pagoda 131 36 27	1260
Odangudi Church 248 57 29	720	Huligi Pagoda 132 49 48	1259
		Hōspet Pagoda 133 41 27	1265
		Chittavādigi Pagoda 135 36 35	1261
<b>Ittamōli No. 1 s.</b>		Devaragudda Hill Pagoda 145 33 53	1272
Kudankulam s. 43 53 21	705	Shivapuram Hill Pagoda 150 16 2	1257
Manpōttai, XCIV 69 30 1	703	Udarkal " 164 42 2	1138
Kallikulam h.s. 82 40 19	708	Mallapannanagudi Pagoda 179 41 41	1264
Kanimārpōttai, XCI 117 41 40	702	Hampi Hill Pagoda 200 24 10	1262
Nānguneri Pagoda 118 25 20	709	Gangāvati " 203 41 27	1143
Valanád, LXXXVII 182 8 43	702	Nimbāpuram " 208 50 40	1273
		Kamalāpuram Fort 211 4 49	1263
<b>Ittamōli No. 2 s.</b>		Anagōndi Fort 211 10 31	1274
Rādhāpuram, XCII 63 16 32	704	Timmapuram " 228 9 46	1137
Mahendragiri No. 2 h.s. 90 52 50	728	Sugidaribētta " 291 8 47	1137
Mahendragiri No. 1 " 91 27 28	727	Rāmandrug " 340 42 21	1247
Sāmikuchimalai Hill Mark (helio.) 95 34 21	730		
Kanimārpōttai, XCI 117 8 14	704		
Manapād Church 270 38 7	725		
<b>Jagannáth No. 1 h.s.</b>			
Rāmālakot h.s. 0 28 8	912		
Dhonekōnda " 24 21 33	911		
Chanugundla s. 81 37 29	903		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Janalrajgutta h.s.</b>		<b>Jogimardi h.s.—(Contd.)</b>	
Ipallepalli Hill Pagoda	15 43 55	863 Guhesvar	1842
Badapalle h.s.	63 5 15	826 Turuvanur Fort	1847
Adrilla Hill Pagoda	72 34 55	861 Nannivala	1844
Koniapalle Hill Mark	135 28 30	851 Talak	1800
Dunavaram	145 26 32	826 Palavanhalli	1850
Surikonda	267 42 38	955 Yennēkal	1800
Maishagutta	330 30 57	827 Hiriyur Pagoda	1879
Yēldhanda Fort	344 40 14	866 Dōddakurkimaradi	1871
Yēldhanda Hill Pillar	344 48 25	865 Rangapurgudda Platform	1880
			1874
			1801
<b>Jānikālu, XX</b>		<b>Jualagi h.s.</b>	
Chintalikunta, XVIII	186 39 55.76	30 Gutargi	987
Maliabad, XIX	252 31 13.42	30 Badadol	988
Adoni, XXII	319 40 56.65	31 Kusanur	985
			984
			984
<b>Jārigat h.s.</b>		<b>Kabbāldurga h.s.</b>	
Maliabad, XIX	11 23 28	228 Savandurga, XLI	1768
Rāichur Building	49 5 46	228 Devarabētta	1768
Bodabanda h.s.	308 35 16	229 Banavanakal	1771
			1769
<b>Jarimalai h.s.</b>		<b>Kadalūrshi h.s.</b>	
Kankuppa	35 29 28	1358 Karimalai	1990
Nimbalagiri Hill Mark	35 51 58	1356 Devarabētta	1989
Kuravinkal Hill Pagoda	67 17 58	1368 Siravanampati	1991
Bairadāvargudda Fort	68 10 2	1366 Bandhallidurga	1989
Shiddalingana Fort	68 41 30		
Narsimdevaragudda	71 7 21	<b>Kadiapatnam h.s.</b>	
Karēddigudda No. 1	86 56 31	1220 Kōlāchal Church	1907
Viranadrug Turret	105 7 30	1220 Kōlāchal Landmark	1906
Kūdliḡi Fort	130 29 22	1278 Kudankal Hill Mark	1905
Ānēkalgudda	141 39 16	1222 Ānnipārai	1844
Vutrimala Hill Turret	158 47 13	1285 Udayagiri Hill Mark	1908
Rāmandrug	176 13 45	1221 Muruvattūr	1843
Sugidaribētta	232 22 55	1220 Manpōttai, XCIV	1843
Rāyadrug	287 58 57	1220 Martava	1911
<b>Jenkaldurga h.s.</b>		<b>Kakarkal h.s.</b>	
Kotakal No. 2 Hill Pillar	125 11 58	1398 Sirāvār	1070
Hotaigudda h.s.	181 24 13	1398 Gavigat	1068
			1065
			1063
			1149
			1149
			1193
			1188
			1160
			1196
			1209
			1189
			1199
			1191
			981
<b>Jiādigudda h.s.</b>			
Tavūrgiri Hill	67 32 27		
Guddadur No. 2	101 21 54		
Mūdalagundi	127 20 43		
Kambaḡal Hill Pagoda	220 30 7		
Hattigudda Hill Tower	256 3 48		
Rādakōnda	288 37 7		
Kālamangi	328 31 54		
Nauli	354 42 51		
<b>Jogimardi h.s.</b>			
Birankalgudda Hill Platform	14 3 8		
Hotaigudda	23 12 37		
Umankal	97 13 13		
Shigakal	100 47 58		
Gādrigudda Hill Mark	111 30 47		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Kakarkal h.s.—(Contd.)</b>		<b>Kalavardurga h.s.</b>	
Köttapalle, XV	247 22 35	Mákalidurga h.s.	95 4 59
Mallapur h.s.	276 22 41	Víralgoihalli	134 16 19
Maliabad, XIX	304 14 36	Rahmanghar	281 1 34
Muludukal Hill Pagoda	317 31 9	Kodagurki	348 35 33
Kallur	322 28 0	Nundydroog	357 23 15
Gannáyakal Hill Tower	326 38 36		
Nílagallu Hill Tower	328 53 54	<b>Kalkote h.s.</b>	
Nir Mánvi Hill Pillar	349 9 54	Dödballapur Idgah	28 0 23
Hálwi	351 12 49	Sítakal h.s.	72 48 48
Adavi Hill Pagoda	357 23 56	Byál	126 22 47
		Yérrakönda, XXXIV	185 43 15
		Halasúrbétta, XXXIX	355 54 2
<b>Kakeri h.s.</b>			
Jaldurg Hill Tower	50 48 39		
Nagarbétta h.s.	71 31 44	<b>Kallikulam h.s.</b>	
Salávádagi Hill Tower	103 49 9	Kúttapuli Church	16 18 9
Kannágöndahalli Hill Pagoda	110 14 49	Manpöttai, XCIV	45 15 20
Nagrúr Hill Pagoda	182 23 31	Vallíur Rock	123 25 15
Parmánanda Hill Pagoda	185 20 48	Kanimárpöttai, XCI	166 34 12
Wangangiri Hill Fort	215 48 23	Nánguneri Pagoda	179 4 10
Shorapur Fort	226 47 7	Ittamöli	No. 1 s. 202 38 27
Shorapur	237 12 36	Kudankulam	354 19 49
Bunkaldöddi Hill Pagoda	293 3 59		
Tauga	331 30 43	<b>Kallimedu s.</b>	
Kotekal	343 6 57	Chénjeri h.s.	50 8 35°0
		Chávadípálaiyam	s. 111 12 46°4
		Udiyúr h.s.	276 3 34°0
		Köllupálaiyam, LXXV	352 40 23°7
<b>Kalamalai h.s.</b>			
Ánaipárai h.s.	0 51 19	<b>Kallur h.s.</b>	
Attúr Rock Pagoda	2 55 20	Hálwi h.s.	18 42 8
Meladi	28 10 9	Nir Mánvi Hill Pillar	49 31 27
Kölatúr Hill Mark	44 59 31	Gavigat	69 55 22
Mukunnumalai	85 55 26	Sírávár	102 17 56
Kunntatapára	122 36 39	Gannáyakal Hill Tower	138 33 52
Pillikárinji Hill Mark	128 26 40	Kakarkal	142 30 43
Mahendragiri No. 1	202 15 52	Maliabad, XIX	269 39 58
Muruvattúr	328 3 43		
Udayagiri Flag-staff	339 6 6		
		<b>Kalamangi h.s.</b>	
		Nauli h.s.	19 5 26
		Jiádigudda	148 32 30
		Hattigudda Hill Tower	202 46 47
		Kurukönda	234 57 41
		Rádakönda	277 56 29
		Mailapur Hill Tower	308 43 56
<b>Kalangavi h.s.</b>		<b>Kalugumalai, LXXX</b>	
Kugankal h.s.	16 0 36	Kutipárai, LXXXI	0 15 50°29
Hannögudda	53 43 55	Shúlarakai	s. 5 55 50
Shigakal	187 17 29	Ponúrikimalai	h.s. 30 18 22
Rámagiri Turret	188 38 24	Pemalai, LXXXII	38 34 26°49
Hölkóre Pagoda	202 21 59	Kúdirimalai Hill Mark	54 18 39
Umankal	206 54 36	Döddapanáyakanúr Hill Mark	59 49 31
Sirappanhalli	215 17 10	Pèriyakulam	s. 84 52 41
Döddavati Hill Pillar	225 19 57	Karumankád	h.s. 93 32 13
Kotakal No. 2 Hill Pillar	231 18 46	Ködaikánal Church	95 50 36
Hotagudda	239 19 11	Ködaikánal Cottage	96 9 10
Hösdurga	290 49 17	Ködaikánal Bungalow	97 33 15
Ganganhalli Hill Pagoda	343 59 35	Pèrumálmalai, LXXVIII	106 15 44°38
		Aringyanmalai	110 24 23
		Sírumalai Hill Peak	142 39 52
		Sírumalai Hill Mark	160 56 8
		Rangamalai, LXXXVII	168 45 49°88
		Mudimalai, LXXXIX	215 33 19°25
		Trichinopoly Temple (helio.)	225 46 25
		Véllaimalai Hill Mark	233 24 13
		Sáttámpádi Hill Mark	267 49 1
		Black	s. 356 51 53

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Kamalapuram s.</b>		<b>Kandēnmarai, IV</b>	
Ānaimalai h.s. 46 41 39	1594	Vomēkōnda, VII 39 15 31'35	4
Pushpagiri " 273 43 57	1594	Shilāpalle, XLVII* 172 23 41'32	2
<b>Kāmannagutta h.s.</b>		Gōraigat, I 224 11 46'80	2
Ādoni, XXII 0 28 33	248	Kotamaripalle Hill Mark (helio.) 281 8 1	148
Adoni h.s. 0 49 51	250	Mōthakapalle, V 300 54 29'53	3
Hōlālagundi " 37 3 49	1081	Anantagiri, VI 325 56 52'03	12
Kānavaram Pagoda 64 30 20	1058	Koatpalle Mark (helio.) 344 1 55	149
Chyāgi s. 101 23 53	1082	<b>Kandkūr h.s.</b>	
Hālwi h.s. 114 59 34	1046	Kadechur Tomb 1 41 6	998
Kosgi Hill Mark 138 37 26	1056	Naikal h.s. 74 55 10	980
Kandukūr Turret 140 37 29	1054	Maligiri " 77 19 59	982
Rāchālbanda Tower 146 23 49	1051	Sunkanūr " 126 38 33	983
Sātanūr Fort 159 53 59	1055	Sapatlapalle Hill Pagoda 182 38 13	995
Maliabad, XIX 191 54 2	249	Gurmatkāl Idgah 213 41 20	991
Bēlagal s. 195 49 11	1049	Kānkurthi " 225 31 29	977
Manchāl Fort 226 20 16	258	Impagat, XIII 285 6 4	977
Sankeśvara Pagoda 233 27 47	1059	Utkūr Fort 310 16 59	997
Nāgaldinne " 248 57 44	251	Kōttapalle, XV 352 21 57	978
Nāgaldinne Pagoda 249 23 43	253		
Kēre Bēlagal, XXI 269 38 53	248		
Gudikalbētta h.s. 290 41 18	250		
Chinna Tumbalam Turret 306 40 9	1060	<b>Kanimārpōttai, XCI</b>	
Kotakal No. 1 Hill Pillar 320 48 41	1088	Vallīūr Rock 4 8 4	711
<b>Kambatirāyan h.s.</b>		Manpōttai, XCIV 10 53 4'23	124
Satyamangalam Fort 13 46 6	1777	Tirukurungudi Pagoda 38 35 3	1916
Bandhallidurga h.s. 185 58 57	1768	Tiruvannāmalai Hill Mark (helio.) 39 13 16	738
Pōnnāsibētta " 213 33 32	1763	Mahendragiri No. 2 h.s. 46 24 58	728
Pālamalai " 257 22 4	1764	Mahendragiri No. 1 " 47 29 32	727
Urāchimalai " 285 28 41	1765	Kalakad Pagoda 97 24 45	1917
Thittamalai, LXXI 341 1 4	1766	Kutaitatti, LXXXVI 175 48 37'46	116
<b>Kambattu Boli h.s.</b>		Pallangkota " 180 9 52	665
Māthalli h.s. 31 11 20	1775	Kanūrpati Hill Mark (helio.) 181 37 8	692
Bandhallidurga " 130 40 25	1772	Tinnevelly Temple 196 29 50	698
Kōppabētta, LVIII 172 9 22	1772	Palamecottah Church 205 21 40	695
Banavanakal " 188 34 15	1773	Palamecottah Temple 207 20 6	697
<b>Kanapālaiyam s.</b>		Palamecottah Flag-staff 207 36 17	673
Udiyūr h.s. 38 7 37'8	1919	Rēttiyāpati Hill Mark 220 31 4	677
Alagumalai, LXXIII 93 36 44'4	1918	Valanād, LXXXVII 231 31 5'58	116
Chēnnimalai, LXIX 170 53 35'4	1918	Srivaikuntham Temple 246 28 56	699
Kātpālaiyam s. 311 3 43'3	1935	Menānapuram Church 275 7 20	701
Nādkāni h.s. 357 22 6	1953	Ittamōli, XC 297 5 52'47	117
<b>Kanavaiputtūr h.s.</b>		Ittamōli No. 2 s. 297 5 59	704
Munimalai h.s. 222 13 41	1745	Ittamōli No. 1 " 297 39 28	702
Dialmalai " 262 46 51	1745	Suviseshapuram Church 301 6 36	721
<b>Kanchēngod h.s.</b>		Rādhāpuram, XCII 340 37 0'68	121
Kurgod h.s. 4 22 36	1084	Kallikulam h.s. 346 33 52	708
Sirigiri " 5 8 44	1092	<b>Kanjamalai, LXV</b>	
Murigudda Hill 53 40 48	1118	Kālipati Temple 11 20 17	497
Salgōnda Hill Peak 153 59 17	1120	Totikaradu Hill Pillar 28 43 24	2050
Chyāgi s. 217 28 11	1083	Tiruchēngod Hill Temple 32 34 21	508
Hōlālagundi h.s. 296 29 9	1083	Morūr, LXVII 38 12 6'35	87
Bālākundi " 302 41 24	1095	McDonald's Choultry Ry. Station 47 2 18	496
Tēkkalakota Hill Stone 341 8 25	1108	Sankaridrug House 47 37 40	504
		Sankaridrug Hill Temple 55 12 13	501
		Sankaridrug h.s. 55 29 23	499
		Pullampati Foundry 97 31 36	494
		Pālamalai, LXIV 103 19 12'39	86
		Pālamalai " 103 37 3	1789
		Tāramangalam Pagoda 131 51 30	1796
		Malaiyampati Hill Pagoda 139 48 26	1798

\* This station appertains to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Kanjamalai, LXV—(Contd.)</b>		<b>Karadigutta, LXII—(Contd.)</b>	
Alakasamudram Pagoda	1785	Pönnásibëtta, LIX	81
Karadigutta, LXII	86	Beganúrmalai	1757
Shilakaradu No. 1 h.s.	475	Chéllappabëtta	1748
Omalúr Fort s.	1792	Guttiráyan	1748
Mannagundapálayam h.s.	1789	Guttiráyan, LX	81
Karangkaradu	489	Pikili Hill Mark	1749
Shevaroy No. 1	478	Góllapalli	1750
Shevaroy No. 4	1780	Puthu Isalahalli	1760
Kusamalai	490	Divatipati	1754
Shevaroy No. 2	479	Shilakaradu No. 1	476
Súramangalam s.	491	Kanjamalai, LXV	86
Salem Fort	1799	Puralgudda	1755
Salem	493		
Kéddamalai h.s.	1779	<b>Karangkaradu h.s.</b>	
Melúr	1787	Kanjamalai, LXV	489
Sítáni Hill Pillar	1800	Shilakaradu No. 1 h.s.	489
Nainarmalai Hill Temple	510	Kusamalai	490
Alagamalai	1778	Súramangalam s.	492
Viappamalai Hill Pagoda	1786		
		<b>Karéddigudda No. 1 h.s.</b>	
<b>Kankuppa s.</b>		Narsimdevaragudda	1286
Kötigudda Hill Pagoda	1860	Béttadmallappangudda	1279
Jarimalai h.s.	1358	Jájkalgudda Hill Platform	1282
Talak	1359	Ánékalgudda	1279
Guhesvar	1358	Ambali Pagoda	1288
		Shikkiter Pagoda	1286
<b>Kánkurthi h.s.</b>		Jarimalai	1280
Bodabanda Hill Pagoda	992	Basvankote Fort	1288
Kandkúr h.s.	977	Huchangipur Fort	1289
Gurmatkál Idgah	990	Arsikére Fort	1287
Kodangal, VIII	976		
Néddichinta Hill Pagoda	996	<b>Karéddigudda No. 2 h.s.</b>	
Impagat, XIII	976	Hotaiagudda	1375
		Jogimardi	1374
<b>Kannikallakönda h.s.</b>		Pálavanhalli	1374
Pipád h.s.	1478	Vaddikére	1376
Véllikönda	1473	Döddakurkimaradi	1373
Talupula s.	1478	Utariagudda	1373
Gödduvelagala h.s.	1474		
		<b>Karēkal h.s.</b>	
<b>Karachimala h.s.</b>		Tarúr	1328
Anāgamalai h.s.	1933	Ranganhalli	1325
Karimalai No. 1	1932	Yönnēkal	1319
Kunam Podári	1932	Amrapur Fort	1322
Pálghát Fort (helio.)	1962	Pailbanda Pagoda	1337
		Siddhesvaradurga Hill Mark	1324
<b>Karadibanda h.s.</b>		Kondarpidurga	1318
Apsāndra h.s.	470	Nidugal	1321
Márkandesvara	470	Sankaralingam Pagoda	1335
		Kámankönda Hill Mark	1318
<b>Karadigutta, LXII</b>		Gudibanda Hill Turret	1336
Pálamalai, LXIV	85	Pávagada, XXXIII	1321
Chetkuli h.s.	1756	Chuargiridurga Stone	1333
Bodamalai, LXIII	82	Maddagiri Fort	1327
Kurumalai No. 2	1758		
		<b>Karibëtta h.s.</b>	
		Chéllappabëtta	1747
		Devarabëtta	1737
		Ánchëttidurga	1737
		Ráyakota	1738
		Guttiráyan	1739

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Karimalai No. 1 h.s.</b>	° ' "	<b>Kátpálaiyam s.</b>	° ' "
Karachimala h.s.	16 37 0.5	1932 Paruttimalai, LXXIV	20 10 42
Anangamalai "	67 45 2.4	1933 Nádkáni h.s.	53 35 16
Pránakod No. 1 "	97 54 6.1	1934 Udiyúr "	69 40 47.2
Mikarubëtta "	176 32 27.8	1941 Alagumalai "	106 10 54
Pakásura "	204 46 25.8	1940 Alagumalai, LXXIII	106 11 38
Éttimalai No. 1 "	272 17 46.5	1931 Kanapálaiyam s.	131 4 29.8
Kunam Podári "	323 50 43.5	1931 Pachapálaiyam "	132 16 1.1
		Arasanamalai, h.s.	146 59 5
		Chënnimalai, LXIX	156 38 43
		Yëlmátúr "	194 55 27
<b>Karimalai No. 2 h.s.</b>		Paramati "	262 46 13
Waumalai h.s.	1 0 56	1973 Karumalai "	331 27 24
Ayyamappamalai "	52 24 56	1974 Muttukoil "	356 30 44
Anangamalai "	67 45 34		
Mannárg'hát Hill Stone	147 58 53		
Kadalúrshi "	223 9 33		
Përumálmudi "	229 10 44		
Perúr Pagoda "	259 42 5		
Éttimalai No. 2 "	272 17 58		
Kölangod Hill Peak	350 8 42		
		<b>Kaulikátán h.s.</b>	
<b>Karumalai h.s.</b>		Përiyúr, LXXXIV	47 57 26
Përumálmalai h.s.	46 38 53	2001 Karivalavandanallúr Pagoda	71 15 50
Virupachi Hill Pagoda	51 49 56	2020 Sríwilliputúr Pagoda	192 19 29
Paruttimalai, LXXIV	104 36 21	2000 Tëvankurchi h.s.	209 35 1
Kátpálaiyam s.	151 29 30	2000 Gopálswámi "	209 55 2
Paramati h.s.	186 54 7	2040 Kutipárai "	245 3 57
Topimalai Hill Pagoda	268 40 57	2041 Mínakshi, LXXIV*	280 34 58
Rishimalai "	358 53 23	2002	
		<b>Kavuranhalli h.s.</b>	
<b>Karumankád h.s.</b>		Kodagurki h.s.	2 57 12
Ánaimalai Hills, Peak No. 6	84 39 23	617 Mákálidurga "	78 2 20
Vembádishuli Hill Mark	90 31 20	611 Gudibanda "	175 25 23
Modkati h.s.	215 41 23	615 Varalkönda "	200 35 33
Përumálmalai, LXXVIII	232 29 24	594 Kundalagurki "	276 27 4
Ködaikánal Church	247 47 56		
Kalugumalai, LXXX	273 26 6		
Përiyakulam s.	303 59 2	618	
		<b>Këddamalai h.s.</b>	
<b>Káskal h.s.</b>		Alagamalai h.s.	61 48 3
Bardi h.s.	259 13 40	611 Kanjamalai, LXV	110 29 42
Basavanhalli "	316 42 30	615 Shevaroy No. 4 "	171 46 5
		594 Tenandamalai "	212 8 9
<b>Kategudda s.</b>		594 Godumalai Hill Peak	212 58 33
Bellary Telegraph Office s.	89 28 3.2	618 Mallikarai "	259 35 0
Bellary Railway Station "	107 4 34.3		
Bellary Sessions Court "	173 9 36.8		
Gadékal, XXVI	274 1 50.2		
Hönnúr, XXIX	323 18 15.4		
		<b>Këre Bëlagal, XXI</b>	
<b>Katömöráj, XXIV</b>		Pulikönda, XXIII	13 22 45.02
Gooty, XXV	45 33 31.37	36 Devanakönda h.s.	24 33 16
Yeddakönda Hill Temple	51 36 35	352 Taranikal "	40 36 38
Pulikönda, XXIII	97 19 43.50	35 Ádoni "	67 7 47
Këre Bëlagal, XXI	143 56 52.30	35 Ádoni, XXII	67 12 26.58
Vëldurti Hill Temple	161 11 17	35 Gudikalbëtta "	72 18 41
Jagannáth No. 2 h.s.	189 18 47	35 Kámannagutta "	89 45 25
		355 Bëlagal s.	99 9 4
		355 Nágaldinne "	131 38 26
		355 Nágaldinne Pagoda	132 45 36
		355 Maliabad, XIX	135 20 40.30
		355 Sompuram Fort	152 44 18
		355 Tuagat h.s.	162 45 10
		36 Chinna Tándrapád Fort	168 46 36
		352 Darúr, XVI	176 56 10.13
		35 Devaragat "	181 23 31
		35 Gattináráyantippa "	193 45 29
		346 Vadapalli Hill Platform	230 9 45
		1017 Yëllakönda "	235 45 14

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Këre Bëlagal, XXI—(Contd.)</b>	° ' "	<b>Kodangal, VIII</b>	° ' "
Rájavali Pagoda	240 45 6	Pialmudi	s. 27 12 56
Undaveli	s. 247 13 14	Kánkurthi	h.s. 37 20 0
Jagannáth No. 1	h.s. 277 59 49	Nëlagat, XI	62 29 19·95
Jagannáth No. 2	" 278 2 4	Ganapur, X	136 38 40·03
Pönnakal Hill Dargah	286 8 55	Vomëkönda, VII	169 50 6·54
Bráhmanadóddi Hill Mark	291 30 22	Kotamaripalle	" 202 22 13
Chanugundla	s. 311 5 7	Devanúr	s. 220 19 20
Vëldurti Hill Temple	318 1 39	Anantagiri, VI	229 38 2·27
Katömöráj, XXIV	323 52 8·26	Pargi	h.s. 253 17 56
Dhonekönda	h.s. 338 58 55	Sayedpalle Hill Mosque	275 7 50
Dhonekönda Hill	339 2 0	Linganapalle	" 279 52 29
		Pöchamagat, IX	301 16 22·08
		Impagat, XIII	358 17 22·05
<b>Kinattukkadavu h.s.</b>			
Kunam Podári	h.s. 57 8 30·2	<b>Kodayattúr h.s.</b>	
Éttimalai No. 1	" 131 24 27·8	Nëddikunnu	h.s. 20 41 49
Edayárpálaiyam	s. 224 7 37·4	Velamalai	" 101 8 4
		Cochin Flag-staff	106 44 40
		Malliattúr	" 146 52 16
		Ammúrthamolemalai	" 322 0 45
<b>Kishoragutta h.s.</b>			
Hayátnagar Mosque	23 18 33	<b>Kogarabanda h.s.</b>	
Sultánagar Jáma Masjid	38 54 39	Kámankönda Hill Mark	1 3 15
Hyderabad Hill Tomb No. 2	45 45 7	Devádëlabëtta	h.s. 111 7 52
Gaganpahár	h.s. 50 33 20·23	Köndapalli, XXXI	256 39 1
Hyderabad Statue	54 0 3	Nutimadugu Fort	284 38 21
Hyderabad Hill Mosque	59 23 20	Rámpur Fort	328 43 34
Hyderabad, Naubatpahár	" 60 10 26·51		
Secunderabad	" 64 13 46·03	<b>Koilkönda h.s.</b>	
Secunderabad Hill Mosque	" 65 10 4	Jonnagiri Fort	21 40 10
Secunderabad Hospital	68 47 4	Boglemárkönda	h.s. 23 35 51
Secunderabad Flag-staff	71 28 30	Bolikönda	" 32 24 48
Secunderabad Hill Temple	76 13 0	Chennampalli Hill Turret	" 36 26 53
Bolarum Flag-staff	82 1 18	Gadëkal, XXVI	60 59 6
Bolarum Monument	83 13 16	Gadëkal	" 60 59 17
Bolarum Church	85 58 56	Patikönda	s. 126 48 1
Bolarum Mosque	90 46 46	Dúdekönda Hill Pillar	147 12 19
Lachhmanpur	h.s. 91 30 47·81	Pulikönda, XXIII	175 53 2
Medcharla Mosque	117 12 35	Tsanugundla	h.s. 242 7 51
Annamkönda	" 128 22 26	Dhonekönda	" 255 50 18
Malkapur	" 339 48 29	Chintalakönda	" 265 24 12
		Siddanagat	" 288 56 31
		Pyápali Platform	303 55 8
		Gooty, XXV	349 0 4
<b>Kodagurki h.s.</b>			
Uialdinna Mandapam	s. 23 20 19	<b>Koilpati, LXXXIII</b>	
Halasúrbëtta, XXXIX	32 37 21	Kutaitatti, LXXXVI	40 27 22·63
Kundana	h.s. 63 11 46	Kuttálam Hill Peak	64 54 17
Mákalidurga	" 123 48 27	Sáyamalai Hill Mark (helio.)	68 28 34
Kalavardurga	" 168 35 54	Kalugumalai Hill Temple	85 32 0
Kavuranhalli	" 182 57 4	Chokampati Hill Peak	90 4 28
Kundalagurki	" 236 6 54	Sankaranainárkoil Temple	91 27 26
Këndatti Hill Peak	295 59 15	Përiyúr, LXXXIV	96 43 46·53
Guraganjagurki Tree	303 57 38	Vadanúr Hill Peak	100 46 1
Koliga	" 320 39 1	Setúr Hill Peak	121 23 23
Devanhalli	s. 335 47 36	Maipárai Hill Temple	121 31 1
Shivansandra	h.s. 352 34 15	Kulamgundam Hill Peak	128 26 23
Devanhálli Fort	359 45 31	Varagani Stone Shaft	130 53 20
<b>Kodanáð h.s.</b>			
Mandileru	h.s. 4 32 12		
Urugamalai, LXVI	255 58 19		
Komáلكaradu, LXVIII	277 3 22		



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Koilpati, LXXXIII—(Contd.)</b> ° ' "		<b>Konaköndla h.s.—(Contd.)</b> ° ' "	
Pemalai, LXXXII	139 12 40.67	Gadēkal, XXVI	95 6 51 289
Kutipárai, LXXXI	205 15 45.89	Gummanúr Mosque	112 33 53 325
Pandalagudi	s. 225 54 42	Chippigiri Pagoda	157 56 49 324
Mínákshi, LXXIV*	248 24 35	Maddikēra Pagoda	197 46 29 323
Kulayanallúr, LXXXV	332 34 36.60	Gooty, XXV	269 18 31 288
Kurumalai No. 1	h.s. 350 0 8	Pamidi	h.s. 305 20 23 288
<b>Kolár, XLVIII</b>		<b>Köndapalli, XXXI</b>	
Bhúpatamma, XLIX	0 48 11.80	Pávagada, XXXIII	16 5 21.55 41
Tirthapalli, XLVI	62 22 49.00	Kámankönda Hill Mark	24 2 31 1295
Nandigudi, XLVII	105 54 51.63	Kadiridávarpilli Hill Pagoda	61 42 40 1813
Kolár Building	290 50 24	Nutimadugu Fort	62 0 27 1807
<b>Koliga h.s.</b>		Rámpur Fort	64 35 46 1808
Shivansandra	h.s. 44 30 28	Mulkanúr Hill Pagoda	68 56 32 1811
Ualdinna Mandapam	s. 60 18 18	Kogarabanda	h.s. 76 40 53 1805
Halasúrbētta, XXXIX	92 58 33	Rámapakönda Hill Pagoda	78 13 17 876
Kodagurki	h.s. 140 40 41	Pálvoi Hill	80 34 40 381
Malesvaram Hill	263 38 23	Devádēlabētta	" 96 13 8 1296
Guraganjagurki Tree	288 40 42	Devádēlabētta, XXX	96 19 26.01 44
<b>Köllupálayam, LXXV</b>		Udarpidurga, XXVII	169 14 21.94 39
Ánaimalai Hills, Peak No. 4	23 49 24	Pampanúr Hill Pagoda	185 44 18 1814
Ánaimalai Hills, Peak No. 5	28 5 3	Shidampet Hill Pillar	199 27 28 297
Ánaimalai Hills, Peak No. 8	35 7 4	Yellari Fort	226 0 28 1413
Ánaimalai Hills, Peak No. 1	35 30 1	Anantapur Fort	232 57 30 299
Ánaimalai Hills, Peak No. 2	36 21 49	Anantapur House (helio.)	233 9 54 373
Köttamangalam Temple	51 43 29	Devarakönda No. 1	h.s. 238 44 5 295
Somávarapati Temple	81 52 7	Devarakönda, XXVIII	238 44 39.26 39
Chēnjeri	h.s. 137 1 57.0	Töppadurti Hill Pagoda	251 51 31 379
Kallimedu	s. 172 40 42.4	Ávuladevarakönda	" 262 36 2.6 1408
Alagumalai, LXXIII	200 20 26.64	Tumchērla Fort	265 33 29 805
Udiyúr	h.s. 226 10 47.2	Parva Devarapilli Hill Pagoda	286 52 17 380
Paruttimalai, LXXIV	276 34 27.19	Dharmavaram Palace (helio.)	291 29 17 374
Palni Hill Temple	322 13 10	Kannaganpilli Pagoda	307 20 5 302
Vembádishuli Hill Mark	350 14 11	Urakönda, XXXII	323 25 23.87 40
Chaklichimalai, LXXVI	356 14 41.74	Rácharlu	" 342 1 27 304
<b>Komálkaradu, LXVIII</b>		Sháhdrug Fort	345 7 59 377
Thittamalai Hill Temple	59 5 29	Tirumaldávar	" 354 32 49 301
Thittamalai, LXXI	59 13 19.88	Pratimkönda Hill Mark	358 58 24 1816
Nagamalai Hill Temple	76 48 10	<b>Köndapur h.s.</b>	
Mandileru	h.s. 88 53 8	Bömmanhalli	h.s. 95 19 15 1721
Kodaná	" 97 10 39	Múganáyakankote	" 133 39 50 1721
Gopichēttipálayam Hill Temple	110 30 8	Huvinkatte	s. 149 7 46 1722
Urugamalai, LXVI	141 47 57.13	<b>Kondarpidurga h.s.</b>	
Pálamalai, LXIV	221 38 43.95	Amrapur Fort	18 28 16 1822
Morúr, LXVII	273 41 6.82	Siddhesvaradurga Hill Mark	30 51 25 1824
Chēnuimalai Hill Temple No. 2	341 16 8	Yēnnēkal	h.s. 38 32 39 1299
Chēnnimalai Hill Temple No. 1	341 30 52	Nannivála	" 92 52 13 1346
Chēnnimalai, LXIX	342 6 56.84	Talak	" 110 21 41 1298
<b>Konaköndla h.s.</b>		Sirwala Hill Peak	" 138 45 0 1841
Ragulapád Hill Pillar	5 12 28	Ráydrug	" 155 29 31 1338
Pēdda Hotúr Pagoda	33 19 2	Kalyándrug Hill Mark No. 2	" 194 35 26 1339
Nillulenitimmápuram Pagoda	74 45 3	Devádēlabētta	" 198 59 8 1297
Gadēkal	h.s. 95 5 42	Mulkanúr Hill Pagoda	224 12 2 1810
		Kadiridávarpilli Hill Pagoda	231 18 13 1812
		Kámankönda Hill Mark	282 17 33 1297
		Nidugal	" 341 48 14 1820
		Karēkal	" 358 32 28 1818

\* This station appertains to the South-East Coast Series.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Kondurái s.</b>		<b>Kotakunnu s.</b>	
Ponkonai s. 17 18 58	1889	Calicut Flag-staff 145 54 28	1861
Thoiyarmalai h.s. 267 45 25	1889	Palkunnu h.s. 172 29 5	1863
<b>Kõnkõntlu h.s.</b>		Walliattúr " 239 10 7	1860
Chalamkote h.s. 7 8 52	1687	Urattmalai " 287 30 50	1860
Iragampalli Fort 12 28 7	1683	Adacheri " 332 35 40	1868
Chintámani Hill Tree 24 36 44	1686	<b>Kotamaripalle h.s.</b>	
Malapalli Hill Pagoda 25 40 43	1685	Kodangal, VIII 22 25 4	160
Rahmanghar " 28 28 16	1617	Gõraigat, I 192 52 21	161
Ambájidurga Building 31 4 23	1684	Gopálavaram Hill Fort 201 25 10	162
Kundalagurki " 52 51 9	1715	Nakalgutta h.s. 253 10 34	164
Uraikõnda " 80 5 58	1662	Topkõnda, III 269 17 0	161
Buradagunte Fort 85 54 45	1689	Nágarõddipalle " 300 11 22	163
Chikkapalli " 88 25 19	1616	Anantagiri, VI 345 21 28	160
Kavalkõnda Hill Pillar 122 5 19	1650	<b>Kotekal h.s.</b>	
Chikalnerpu Fort 129 33 24	1667	Guddadur No. 2 h.s. 50 59 36	1146
Gunnáyakalpáya Hill Mark 133 25 0	1649	Mudgal Hill Masjid 65 53 24	1151
Chõnchalpatkõnda Hill Pillar 138 3 36	1673	Nagarbõtta " 111 30 27	1147
Itikaldurga " 140 19 37	1616	Kannágõndahalli Hill Pagoda 152 35 13	1211
Chittiganpalli " 143 59 39	1658	Hunshigi Hill Tree 155 15 49	1153
Sadam Fort 144 13 3	1660	Gudguntá Hill Tower 158 0 27	1165
Guntapalli " 145 12 12	1665	Kakeri " 163 8 27	1162
Somnádmalai Hill Mark 146 1 37	1647	Tauga " 185 2 21	1148
Chelúr Fort Bastion 158 7 57	1656	Kakarkal " 237 15 6	1149
Saikalkõnda " 173 37 53	1646	Rádkakõnda " 351 10 59	1146
Põdda Tõppasamudram Fort 209 9 59	1670	<b>Kõttapalle, XV</b>	
Kotammakõnda Hill Mark 213 54 13	1675	Maliabad, XIX 5 6 59'40	24
Kunnakõnda " 219 41 24	1615	Ráichur Building 6 32 43	226
Kõttakota Fort 244 22 51	1671	Manchálpur Hill Turret 14 20 4	235
Gatdrug " 253 10 31	1655	Marcher Fort 21 33 31	234
Adavi Ávalpalli " 297 4 56	1615	Mallapur h.s. 32 43 24	1000
Bálesvaramkõnda " 311 26 3	1693	Kistna Railway Station (helio.) 39 21 58*	222
Gaunpalli Fort 318 0 1	1691	Rámdurg Hill Temple 59 39 38	230
<b>Kopal h.s.</b>		Kakarkal " 67 28 14	979
Bõttadmallappangudda h.s. 21 50 3	1253	Chintalikunta, XVIII 71 31 20'04	28
Linganbanda " 180 11 56	1294	Naikal " 128 54 12	980
Kopal Pagoda 242 4 20	1256	Naikal, XVII 130 2 3'16	27
Hafarki Hill Peak 291 28 24	1293	Kadechur Tomb 131 13 22	998
Jambanáth " 292 10 8	1254	Yádgiri Hill Mark 141 16 40	173
Bahádurbanda s. 321 13 40	1255	Balichakramgutta Hill Peak 151 45 13	169
Ánõkalgudda h.s. 331 38 0	1253	Pírlagat, XIV 169 46 52'59	22
Rámesvarambanda s. 350 27 35	1254	Kandkúr " 172 22 47	978
<b>Kõppabõtta, LVIII</b>		Sapatlapalle Hill Pagoda 174 31 38	994
Andáiam h.s. 19 39 7	1774	Bodabanda Hill Pagoda 180 27 48	993
Bandhallidurga, LXI 44 19 2'27	83	Birámkõnda Hill Mark 195 22 45	176
Bandhallidurga " 44 20 45	1772	Náráyanpet Hill Tomb 200 57 17	175
Golhalli Pagoda 118 46 2	473	Impagat, XIII 227 42 37'70	22
Arubõle Chapel 120 2 16	472	Sangamkõnda Hill Tree 238 34 30	202
Bánatimaribõtta, XLV 151 15 1'54	68	Pulmámbi Hill Pagoda 241 59 42	197
Devarabõtta, LV 206 13 13'64	68	Makhtal Pagoda 258 43 43	198
Banavanakal " 218 51 50	1773	Uldakod Fort 261 48 41	201
Mariyálam, LVII 265 45 14'97	69	Gurumurtia h.s. 272 52 45	186
Põnnásibõtta, LIX 326 43 27'31	79	Chandragudda " 284 49 14	178
Kambattu Boli " 352 8 49	1772	Karni Hill Pagoda 288 29 40	205
<b>Koribõtta h.s.</b>		Põddapád s. 297 49 10	184
Urugamalai, LXVI 242 57 4	521	Tõnsalgutta " 311 45 31	182
Thittamalái, LXXI 270 46 51	521	Darúr, XVI 312 31 21'23	23
Chõnnimalái, LXIX 284 37 43	522	Kurtakõnda h.s. 326 37 20	204

\* From unadjusted triangle, vide page 43—4.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Kudankulam, XCV</b>	° ' "	<b>Kunam Podári h.s.</b>	° ' "
Cape Comorin s. 55 10 11	2076	Karachimala h.s. 112 13 25·7	1982
Punnæ Observatory, CIV 76 51 6·44	142	Karimalai No. 1 " 143 52 37·9	1981
Amritwamalai h.s. 77 46 53	2073	Èttimalai No. 1 " 199 4 42·1	1980
Kátádi Hill Mark 103 16 19	738	Kinattukkadavu " 237 6 22·9	1980
Thovalamalai " 103 16 25	2070		
Araballe Hill Building 113 9 53	740	<b>Kundalagurki h.s.</b>	
Tatakamalai Hill Peak 115 16 58	736	Kodagurki h.s. 56 10 12	1714
Èrukandurai, CIII 126 41 5·50	135	Kavuranhalli " 96 30 14	1714
Manpöttai, XCIV 129 12 40·71	125	Chikkapalli " 147 18 46	1715
Vadakankulam Church 135 50 3	735	Könköntlü " 232 48 19	1715
Tiruvannámalai Hill Mark (helio.) 141 34 3	734		
Tanakarakulam, XCVII 144 37 10·20	127	<b>Kundana h.s.</b>	
Rádhápuram, XCII 185 55 25·92	123	Nundydroog h.s. 206 0 55	411
Cape Comorin Base-line S. End, CI 185 55 26·53	128	Kodagurki " 243 10 41	448
Arasákulam, XCVI 222 54 25·40	126	Devanhalli s. 271 15 31	448
Vijayápati, XCIII 250 52 53·22	123	Tirthapalli, XLVI 311 0 35	411
Idindakarai, CII 255 16 39·84	133		
		<b>Kunnakönda h.s.</b>	
<b>Kudankulam s.</b>		Köttakota Fort 15 6 41	1672
Pillikulam Church 51 41 33	714	Rangasamudram Fort 26 20 47	1676
Kúttapuli Church 69 31 22	713	Chalamkote h.s. 26 52 58	1688
Punnæ Observatory, CIV 72 51 38	706	Könköntlü " 39 43 15	1615
Dutch Rock 122 27 32	715	Pèdda Tèppasamudram Fort 51 20 16	1669
Manpöttai, XCIV 131 58 58	705	Sadam Fort 58 32 17	1660
Kallikulam h.s. 174 19 57	707	Guntapalli " 64 16 13	1665
Ittamöli No. 1 s. 223 51 37	705	Kandukúr Fort 82 57 4	1654
		Saikaikönda " 109 25 40	1457
<b>Kugankal h.s.</b>		Tummala Hill Pillar 126 47 35	1494
Kalangavi h.s. 195 59 3	1394	Innágólúr Hill Staff 139 35 31	1426
Hösdurga " 234 50 33	1394	Kokkantidrug Pagoda 173 5 25	1652
		Kotammakönda Hill Mark 186 45 49	1674
<b>Kulayanallúr, LXXXV</b>		Ìsvaramalai " 188 5 40	1426
Valanád, LXXXVII 24 19 23·24	115	Sádkönda " 236 6 33	1488
Puluwodaiyár Hill Pagoda 49 57 6	674	Rajènmalle " 239 36 45	1427
Sámikuchimalai Hill Peak 50 16 30	662	Rekalkönda Hill Platform 243 15 13	1506
Melpatnam Hill Temple 51 4 27	658	Yèllutladurga Tree 256 38 7	1507
Agastyamalai Hill Peak No. 2 64 23 49	656	Motikamamalai Hill Pagoda 264 45 42	1470
Agastyamalai Hill Peak No. 1 67 2 49	654	Midimalapkönda Platform 265 59 1	1509
Pallangkota h.s. 71 13 28	664	Yèrrakönda Hill Platform 271 12 50	1512
Kutaitatti, LXXXVI 79 46 31·83	113	Gurramkönda " 272 24 41	1511
Kuttálam Hill Peak 86 19 47	660	Tumakönda " 292 8 12	1428
Ilavelankulam Hill Temple 94 40 54	680	Pulikönda " 297 31 36	1518
Pèriyúr, LXXXIV 119 57 44·58	114	Vadankönda Platform 304 24 4	1529
Setúr Hill Peak 131 10 36	652	Yènnègamalai Hill Mark 322 15 24	1523
Kurumalai No. 1 " 143 39 17	641	Tèt " 326 21 44	1526
Koilpati, LXXXIII 152 35 46·25	113	Adavi Ávalpalli " 342 9 2	1429
Ótapidáram Pagoda s. 286 55 16	691	Sunnakal " 346 52 13	1521
Tuticorin Chimney No. 1 302 46 23	681	Batlapur Fort 350 35 38	1520
Tuticorin Light-house 303 3 52	688	Gatdrug " 352 15 12	1514
Tuticorin Convent 305 3 40	685		
Tuticorin Port Flag-staff 305 20 35	686	<b>Kunnataparà h.s.</b>	
Tuticorin Flag-staff 306 1 41	690	Padanalam h.s. 50 25 56	1894
Tuticorin Chimney No. 2 306 32 51	683	Ponkonal s. 139 18 12	1886
Pulláváli, LXXXVIII 323 12 31·27	118	Málailmalai h.s. 167 19 26	1834
		Nedampárai " 223 8 31	1834
<b>Kumáarakalva s.</b>		Pèramkota " 263 57 13	1835
Dikúnraidu Hill Pagoda 123 50 15	1499	Pillikárinji Hill Mark 297 50 17	1899
Vandádi h.s. 323 41 5	1500	Kalamalai " 302 32 58	1837
Bájupalli " 359 28 6	1499	Mukunnumalai " 326 2 7	1836
		Pandalakotamalai " 326 13 47	1893

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Kunnattúr h.s.</b>		<b>Kurumalai No. 1 h.s.</b>	
Pallangkota h.s. 155 42 37	666	Koilpati, LXXXIII 170 0 17	640
Palamcottah Base-line W. End s. 161 29 38	669	Kutipárai, LXXXI 198 6 29	640
Tálaiyút h.s. 202 44 6	667	Kulayanallúr, LXXXV 323 38 17	641
Palamcottah Base-line E. End s. 215 47 58	671		
Valanád, LXXXVII 265 18 0	666		
<b>Kurgod h.s.</b>		<b>Kurumalai No. 2 h.s.</b>	
Javuk Pagoda 80 23 38	1180	Chéllappabétta h.s. 183 22 46	1753
Devasamudram Hill Pillar 88 34 54	1129	Beganúrmalai " 207 49 47	1757
Timmapuram h.s. 89 13 39	1122	Karadigutta, LXII 258 48 20	1753
Néllúdi " 106 29 2	1126		
Hálhalli " 111 52 11	1124	<b>Kusamalai h.s.</b>	
Budaguppa Hill Turret 160 9 38	1186	Súramangalam s. 29 35 6	491
Murigudda Hill 162 48 53	1118	Kanjamalai, LXV 41 2 19	490
Rádakönda " 170 42 7	1140	Omalúr Fort " 113 49 15	1798
Salgönda Hill Peak 179 27 30	1120	Karangkaradu h.s. 142 17 27	490
Sirigiri " 183 6 57	1093	Mannagundapálayam " 166 10 47	1798
Kanchéngod " 184 22 19	1034	Salem s. 320 15 31	493
Tékkalakota Hill Stone 196 2 42	1104	Salem Fort " 329 37 45	1799
Malesvar Hill Pagoda 200 49 10	1098		
Bálákundi " 213 18 27	1094	<b>Kusanúr h.s.</b>	
Mailapuram Pagoda 216 42 44	1099	Jualagi h.s. 27 30 19	985
Höllalagundi " 233 27 18	1034	Badadol " 96 30 3	986
Sindhavallam Hill Pagoda 276 36 32	1101	Sunkanúr " 327 27 33	985
Guddadur No. 1 " 281 20 3	1035		
Kölúr Hill Pagoda 307 10 24	1217	<b>Kutaitatti, LXXXVI</b>	
Sugidaribétta " 358 28 43	1036	Kolanduamalai Hill Peak 14 13 15	650
		Sámikuchimalai Hill Peak 22 34 4	662
<b>Kurnád No. 1 h.s.</b>		Agastyamalai Hill Peak No. 2 50 19 31	657
Uratmalai h.s. 162 54 46.3	1817	Agastyamalai Hill Peak No. 1 55 21 13	655
Pránakod No. 1 " 225 6 5.8	1817	Puliangudi Hill Peak 133 34 49	638
Anangamalai " 264 28 42.9	1818	Vadanúr Hill Peak 144 10 22	648
Machátmalai " 304 34 3.4	1819	Setúr Hill Peak 159 13 48	652
		Péiyúr, LXXXIV 163 45 40.23	112
<b>Kurnád No. 2 h.s.</b>		Sáyamalai Hill Mark (helio.) 191 57 44	645
Nazarani Church 15 17 8	1873	Koilpati, LXXXIII 220 24 55.22	112
Shevarattúr s. 83 37 23	1870	Kanúrpati Hill Mark (helio.) 232 39 8	692
Anaikárákundu " 117 40 21	1871	Kaidár Temple 242 52 31	678
Ananghát h.s. 228 30 13	1848	Ilavelankulam Hill Temple 255 6 44	679
Anangamalai " 264 24 46	1821	Kulayanallúr, LXXXV 259 42 57.85	113
Machátmalai " 304 30 7	1821	Valanád, LXXXVII 296 34 48.04	115
Pönmalai " 358 54 48	1822	Melpatnam Hill Temple 299 48 31	658
		Palamcottah Temple 314 2 27	697
<b>Kurtakönda h.s.</b>		Palamcottah Church 315 16 25	696
Köttapalle, XV 146 38 35	204	Tinnevelly Temple 324 45 53	694
Sangamkönda Hill Tree 189 55 28	204	Kanimárpöttai, XCI 355 48 23.43	116
Karni Hill Pagoda 227 18 52	206		
<b>Kurukönda h.s.</b>		<b>Kutipárai, LXXXI</b>	
Nauli h.s. 43 21 32	1175	Kurumalai No. 1 h.s. 18 7 48	640
Kálamangi " 54 59 45	1174	Koilpati, LXXXIII 25 17 14.01	110
Hattigudda Hill Tower 83 26 10	1178	Kalugumalai Hill Temple 42 37 48	634
Rádakönda " 316 26 19	1174	Shippipárai Hill Temple 44 41 4	623
		Péiyúr, LXXXIV 61 42 35.32	109
		Tirutankal Temple 90 22 7	622
		Srívilliputúr Temple 93 11 45	629
		Kulamgundam Hill Peak 93 55 21	637
		Pemalai, LXXXII 98 36 45.39	107
		Tiruvannámalai Hill Temple 99 7 33	626
		Shúlakarai s. 132 49 42	607

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Kutipárai, LXXXI—(Contd.)</b> ° ' "		<b>Lankamalai h.s.—(Contd.)</b> ° ' "	
Tumbichináyan Rock 134 57 52	621	Gandikot h.s. 101 13 29	1533
Kúdirmalai Hill Mark 144 6 51	603	Nandiálampet Hill Pagoda 122 35 47	1582
Dóddapanáyanúr Hill Mark 151 42 0	606	Këshavapuram Hill Platform 134 38 17	1581
Pérumálmalai, LXXXVIII, 151 42 19·80	108	Vamikónda Hill Platform 146 36 31	1539
Ponúrikimalai h.s. 179 51 57	598	Péddabod Hill Platform 147 32 9	1580
Kalugumalai, LXXX 180 15 48·33	107	Hauhoballam " 160 59 16	1533
Sikandarmalai No. 1 " 188 28 30	600	Gánugapénta " 219 22 51	1582
Black s. 225 44 1	610		
<b>Kutipárai h.s.</b>		<b>Linganapalle h.s.</b>	
Minákshi, LXXIV* 6 21 51	2007	Kodangal, VIII 99 53 41	154
Kaulikátán h.s. 65 8 3	2036	Vomékónda, VII 157 50 10	154
Sadragiri " 128 7 16	2006	Anantagiri, VI 217 10 32	155
Gopálswámi " 129 58 1	2021		
Tévankurchi " 145 15 22	2023	<b>Linganbanda h.s.</b>	
Sikandarmalai No. 2 " 188 29 38	2006	Kopal h.s. 0 11 56	1294
		Halarki Hill Peak 350 49 14	1294
<b>Lachhmanpur h.s.</b>		<b>Machalbétta s.</b>	
Chebala h.s. 47 4 16·00	744	Bangalore Base-line S.W. End, LII 102 55 59	1727
Topkónda, III 85 27 8·33	743	Nágavára s. 150 9 42	1727
Patanchéru Dargah 87 45 35	756	Hénnúr " 200 19 4	1728
Rámesvarambanda Mosque 101 24 35	757		
Suldapur " 148 46 26·92	743	<b>Machátmalai h.s.</b>	
Annamkónda " 190 18 54	781	Elamkundu h.s. 15 23 25	1823
Nágálúr Hill Mosque 199 9 2	783	Trichúr Flag-staff 28 57 38	1878
Kishoragutta " 271 25 17·20	746	Pönmalai " 71 1 0	1822
Bolarum Mosque 272 6 24	801	Nazarani Church 81 9 23	1872
Bolarum Church 277 59 28	811	Kurnád No. 2 " 124 32 14	1821
Bolarum Monument 280 47 44	795	Kurnád No. 1 " 124 36 8·8	1819
Bolarum Flag-staff 283 0 58	789	Anangamalai " 212 14 15·0	1819
Bolarum P.W.D. Office s. 283 41 9·3	750	Álatúr " 279 16 22	1820
Secunderabad Hill Temple 289 51 36	793	Múdelmalai " 322 23 36	1875
Secunderabad Hill Mosque 291 58 5	803		
Secunderabad Church No. 1 295 34 3	767	<b>Mahendragiri No. 1 h.s.</b>	
Secunderabad Flag-staff 298 11 12	791	Muruvattúr h.s. 35 39 52	1840
Secunderabad Hospital 299 8 58	809	Kalamalai " 112 17 57	1840
Secunderabad Tomb No. 1 305 32 59	798	Sámikuchimalai Hill Mark (helio.) 145 41 23	730
Secunderabad Church No. 2 308 27 17	815	Kalakád Pagoda 205 13 24	1917
Secunderabad Tomb No. 2 309 19 58	813	Kanimárpöttai, XCI 227 28 21	727
Secunderabad Church (helio.) 309 36 37	787	Tirukurungudi Pagoda 236 13 46	1916
Sultánnagar Jáma Masjid 316 53 54	812	Ittamöli No. 2 s. 271 24 2	727
Hyderabad Hill Tomb No. 2 323 41 6	779	Manpöttai, XCIV 323 42 53	1841
Hyderabad House 326 36 58	807		
Hyderabad Statue 326 42 34	805	<b>Mahendragiri No. 2 h.s.</b>	
Hyderabad, Naubatpahár h.s. 327 58 28·88	747	Kanimárpöttai, XCI 226 23 48	728
Hyderabad Mosque No. 3 329 16 10	776	Ittamöli No. 2 s. 270 49 25	728
Bálápur " 334 39 4	797	Manpöttai, XCIV 323 1 50	729
Babu Sáhib Hill Dargah 342 40 48	760		
Durgapahár " 352 26 23	762	<b>Maishagutta h.s.</b>	
Golconda Hill Mosque 354 47 17	758	Tumengutta h.s. 1 12 56	828
Gaganpahár " 356 28 30·81	745	Yéldhanda Hill Pillar 16 30 34	865
		Néllikudru " 19 7 25	870
<b>Lankamalai h.s.</b>		Yéldhanda Fort 23 54 28	866
Pallakónda Hill Platform 4 39 3	1599	Bádapalle " 83 55 32	827
Nélkurti h.s. 37 6 29	1535	Ipallepalli Hill Pagoda 92 27 26	864
Ánaimalai " 62 8 24	1534		
Pushpagiri " 64 29 40	1580		
Wámkónda " 85 22 32	1586		
Chintágunta " 93 32 22	1593		

\* This station appertains to the South-East Coast Series.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Maishagutta h.s.—(Contd.)</b>		<b>Maliabad, XIX—(Contd.)</b>	
Janalrajgutta h.s. 150 32 14	827	Köttapalle, XV 185 6 27.90	24
Murtejapalle Mosque 170 18 44	958	Járigat h.s. 191 23 11	228
Surikönda " 204 44 2	955	Karui Hill Pagoda 210 5 34	205
Mádannapur Hill Pagoda 231 53 53	961	Nárabanda Hill Platform 216 7 31	180
Jillarkhaupalle Pagoda 282 20 35	960	Bodabanda " 217 14 53	227
Devarakönda No. 2 " 284 15 35	956	Naragudda Pagoda 229 4 15	217
Amrabad " 330 27 51	957	Darúr, XVI 252 58 51.66	24
Munnanúr " 338 37 5	968	Adamorsu " 256 16 23	247
		Tuagat " 262 11 43	344
		Devaragat " 274 21 47	232
		Tanagal " 293 25 59	929
		Induvási " 301 23 52	242
<b>Mákalidurga, XXXVIII</b>		Boyalgúdem Hill Pagoda 309 22 31	342
Rámadevarabétta, XL 70 47 13.76	49	Bráhmañadöddi Hill Mark 311 52 19	345
Dödnírmanga, XXXVII 114 2 21.73	48	Kére Bèlagal, XXI 315 15 12.24	25
Yèrrakönda, XXXIV 196 52 41.96	48	Gudikalbétta " 344 46 26	240
Ambájidurga, XXXVI 275 3 26.33	53		
Nundydroog Building (helio.) 290 57 0	401		
Halasúrbétta, XXXIX 337 36 19.52	50		
		<b>Maligiri h.s.</b>	
<b>Mákalidurga h.s.</b>		Jualagi h.s. 146 36 27	984
Byál h.s. 135 13 18	1703	Sunkanúr " 223 4 54	983
Pávagada, XXXIII 161 59 20	1702	Kandkúr " 257 11 1	982
Víralgolhalli " 184 33 38	1707	Naikal " 259 56 47	982
Yèrrakönda, XXXIV " 196 49 6	1702		
Gudibanda " 218 43 12	1710	<b>Malkapur h.s.</b>	
Rangaswámi Hill Pagoda 233 4 18	1708	Tátiparti h.s. 41 2 53	948
Kavuranhalli " 257 59 20	1706	Guttapalle " 68 45 37	947
Kalavardurga " 275 2 28	1705	Gaganpahár " 99 30 49	946
Kodagurki " 303 45 35	1705	Hayátnagar Mosque 115 11 50	950
		Kishoragutta " 159 50 27	946
		Uppalagutta " 330 35 18	949
<b>Málailmalai h.s.</b>			
Quilon Flag-staff 82 23 44	1891	<b>Mallanagutta h.s.</b>	
Ponkonal s. 94 10 23	1886	Bodampád s. 55 13 48	836
Thoiyarmalai h.s. 125 24 37	1887	Rámánujpuram Pagoda 86 34 24	840
Udaiyúrmalai " 160 52 57	1833	Solipet Mosque 89 9 29	838
Nedampárai " 252 27 14	1833	Chebala h.s. 113 39 11	836
Kunnatapára " 347 19 5	1834	Narkod Building 208 23 40	842
		Gaganpahár " 229 43 19	837
<b>Maliabad, XIX</b>		Bíbipet Mosque 235 27 8	843
Ádoni, XXII 8 10 29.35	26	Mahádevamgutta Hill Pagoda 280 39 14	844
Ádoni h.s. 8 16 26	239		
Kámannagutta " 11 55 6	249	<b>Mallappakönda h.s.</b>	
Hálwi " 41 47 16	1001	Yènúmulapalle Fort 0 41 7	1504
Gorakañ Hill Peak 52 29 48	1013	Pútaparti Fort 5 40 12	1503
Boyalmarchair Hill Pagoda 60 9 46	1002	Pèddapalli Fort 10 53 42	1502
Mánvi Hill 64 17 25	1011	Bukkapatnam Palace 20 19 37	1637
Jánikálu, XX 72 37 47.12	30	Yèrrakönda, XXXIV 26 0 32	1611
Adavi Hill Pagoda 77 40 39	1003	Köttachèru Fort 36 51 36	1635
Kallur " 89 42 23	1007	Luchèrta Fort 44 14 21	1640
Nílagallu Hill Tower 106 54 56	1005	Mallemkönda h.s. 48 23 5	1628
Kálamalai Hill Pagoda 112 22 47	1009	Tálararla Fort 67 45 24	1639
Rámdurg Hill Temple 119 27 59	231	Guttúr Hill Turret 71 27 3	1632
Muludukal Hill Pagoda 120 15 8	1086	Devarakönda Hill Pillar 89 33 50	1634
Chintalikunta, XVIII 121 44 18.54	29	Urakönda, XXXII 93 11 49.3	1405
Kakarkal " 124 19 44	979	Wantikönda Hill Mark 106 3 55	1631
Gobúr Hill Tower 131 35 8	1015	Nágasamudram Fort 109 2 10	1417
Mallapur " 157 34 14	999	Kunnamkála Fort 129 46 10	1416
Marcher Fort 160 46 50	234	Piadhándindikönda Hill Peak 131 22 0	1414
Manchálpur Hill Turret 166 35 33	235		
Ráichur Building 178 51 1	225		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Mallappakōnda h.s.—(Contd.)</b> ° ' "		<b>Mandileru h.s.</b> ° ' "	
Avuladevarakōnda h.s. 164 51 17·8	1405	Kodanáđ h.s. 184 32 14	514
Dōddiavulamalai Hill Mark 184 31 11	1443	Urugamalai, LXVI 246 25 24	511
Pēdda Kotla " 196 53 45	1430	Komáلكaradu, LXVIII 268 45 53	512
Páلكōnda No. 1 " 217 5 51·9	1406	Thittamalai, LXXI 278 35 35	511
Páلكōnda No. 2 " 217 7 19	1422		
Pípád " 256 41 7·2	1407		
Devarakōnda No. 3 " 264 31 5	1455	<b>Mandúr, LIV</b>	
Innáglúr Hill Staff 310 10 1	1424	Turukungutta, LI 10 50 26·35	75
Amgundpálayam " 343 48 54	1501	Bangalore Base-line N.E. End, LIII 89 55 19·49	76
Itikalđurga " 348 59 53	1612	Tirthapalli, XLVI 285 57 43·86	75
<b>Mallapur h.s.</b>		<b>Maniyapálayam h.s.</b>	
Gorakal Hill Peak 17 21 3	1014	Tenandamalai h.s. 86 33 43	1812
Kálamalai Hill Pagoda 32 20 33	1010	Shundapanáđ " 319 4 6	1812
Mánvi Hill 35 29 44	1012		
Gobúr Hill Tower 87 28 13	1015		
Kakarkal h.s. 96 26 32	999		
Kōttapalle, XV 212 41 36	1000	<b>Mannagundapálayam h.s.</b>	
Maliabad, XIX 337 32 57	999	Kanjamalai, LXV 2 40 10	1789
		Omalúr Fort s. 10 40 56	1791
		Tindimangalam Pagoda 22 30 59	1801
		Táramangalam Pagoda 24 35 47	1795
		Malaiyampati Hill Pagoda 42 38 40	1794
		Pálamalai h.s. 56 6 43	1789
		Shevaroy No. 4 " 305 18 4	1790
		Mungilpáđi Hill Pagoda 339 9 2	1797
		Kusamalai " 346 10 6	1798
<b>Mallemkōnda h.s.</b>		<b>Manpōttai, XCIV</b>	
Pēnukōnda h.s. 54 3 49	1630	Thovalamalai h.s. 41 2 10	2071
Guttúr Hill Turret 108 43 8	1632	Kátáđi Hill Mark 41 2 24	739
Urakōnda, XXXII 133 26 54	1630	Kadiapatnam " 62 34 35	1843
Devarakōnda Hill Pillar 176 26 37	1634	Araballe Hill Building " 74 36 16	741
Wantikōnda Hill Mark 184 24 4	1631	Muruvattúr " 85 4 53	1841
Tálamarla Fort 188 3 35	1639	Dutch Rock 89 21 6	715
Mallappakōnda " 228 21 34	1628	Tatakamalai " 92 59 44	2072
Bukkapatnam Palace 244 40 52	1638	Tatakamalai Hill Peak 93 6 52	736
Kōttachēru Fort 245 14 38	1635	Mahendragiri No. 2 " 143 2 35	729
Luchēra Fort 254 0 15	1641	Mahendragiri No. 1 " 143 43 40	1841
Amgundpálayam " 296 57 56	1629	Tiruvannámalai Hill Mark (helio.) 155 28 28	733
Itikalđurga " 327 0 16	1628	Kanimárpōttai, XCI 190 52 39·85	124
		Kallikulam h.s. 225 14 36	707
		Suviseshapuram Church 248 14 16	721
		Ittamōli No. 1 s. 249 27 25	703
		Ánaikarai Church 253 28 36	731
		Ráđhápuram, XCII 261 35 39·97	124
		Vadakankulam Church 284 1 27	735
		Kudankulam, XCV 309 11 42·34	125
		Kudankulam " 311 58 6	705
		Pillikulam Church 321 48 3	714
		Punnæ Observatory, CIV 335 22 27	706
		Kúttapuli Church 348 22 49	712
<b>Malliattúr h.s.</b>		<b>Mariyálam, LVII</b>	
Cochin Flag-staff 47 1 35	1884	Pōnnásibētta, LIX 13 53 13·75	79
Yērrandamalai s. 81 33 39	1826	Kōppabētta, LVIII 85 47 56·95	69
Poiyakota " 89 38 47	1882	Devarabētta, LV 162 33 37·72	69
Bagváđi Gateway 98 42 36	1880	Ánchēttidurga, LVI 220 46 29·39	73
Pundimúđi Hill Mark 184 12 52	1826	Guttiráyan, LX 308 3 52·08	80
Kodayattúr h.s. 326 49 33	1828		
Velamalai " 353 45 10	1827		
<b>Malliga h.s.</b>			
Gopanalle Hill Pagoda 21 1 11	143		
Shilápalle, XLVII* 333 11 0	143		
<b>Mallikarai h.s.</b>			
Kēđdamalai h.s. 79 37 54	1782		
Godumalai Hill Peak 125 14 38	1802		
Valiyúr Pagoda 143 18 11	1809		
Éttapur Pagoda 166 18 23	1805		
Tenandamalai " 174 20 31	1782		
Kōppakundamalai Hill Pagoda 189 44 36	1807		
Nágalúr " 218 46 15	1803		
Aviarmalai " 235 4 2	1783		

\* This station appertains to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Márkandesvara h.s.</b>		<b>Modkati h.s.</b>	
Hösür h.s. 31 27 23	469	Karumankád h.s. 35 41 45	615
Apsáandra " 94 12 33	469	Ánaimalai Hills, Peak No. 6 78 32 6	618
Karadibanda " 124 44 3	470	Tinnavarai Hill Mark 194 36 33	616
		Pérumálmalai, LXXVIII 242 17 30	615
<b>Martava h.s.</b>		<b>Möpur h.s.</b>	
Mannárgudi Church 28 35 25	1915	Pípád h.s. 50 55 27	1583
Pallam Church 55 57 55	1914	Yérrakönda " 157 41 0	1584
Kadiapatnam h.s. 89 22 42	1911	Ánaimalai " 285 4 45	1583
Shivandram Pagoda 115 19 5	1918		
Kötár Church 119 51 55	1912		
Muruvattúr " 134 58 25	1911		
<b>Maski h.s.</b>		<b>Morúr, LXVII</b>	
Amarávati Hill Tower 171 41 41	1116	Yéttimalai, LXX 7 21 47'63	92
Husainpur h.s. 219 7 54	1114	Yélmátúr Hill Temple 34 16 9	528
Hálwi " 277 57 50	1114	Chénnimalai, LXIX 50 26 3'27	91
Sindhúr Masjid 328 43 3	1117	Erode Church 67 30 43	525
Rádakönda " 337 13 49	1115	Komáلكaradu, LXVIII 93 45 46'19	88
		Bhaváni Temple 98 45 4	518
		Uráchimalai Hill Temple 110 9 9	502
		Pálamalai, LXIV 152 2 49'03	87
		Sankaridrug House 157 7 23	504
		Sankaridrug h.s. 157 9 50	499
		Sankaridrug Hill Temple 157 20 12	501
		McDonald's Choultry Ry. Station 213 19 10	495
		Kanjamalai, LXV 218 10 4'71	87
		Shevaroy No. 1 h.s. 218 10 44	477
		Kálipati Temple 232 41 47	498
		Vebakaramalai Hill Peak 273 55 10	505
		Nainarmalai Hill Temple 285 12 2	509
		Köllimalai Hill Peak 293 54 16	531
		Námakaldrug Building 303 48 28	532
		Tiruchéngod Hill Temple 337 49 44	507
		Arnagiri Hill Temple 349 46 2	526
<b>Máthalli h.s.</b>		<b>Moruvádi h.s.</b>	
Andalam h.s. 134 15 23	1776	Pikili h.s. 12 28 34	1742
Bandhallidurga " 142 38 5	1775	Ráyakota " 151 15 52	1742
Kambattu Boli " 211 10 57	1775		
<b>Medkönda h.s.</b>		<b>Möthakapalle, V</b>	
Dúdála, XLIV* 108 14 59	752	Koatpalle Mark (helio.) 55 55 6	149
Suldapur h.s. 288 7 22	751	Vomékönda, VII 78 15 41'47	4
Tadmanúr, II 331 56 31	751	Kandénmarai, IV 120 56 59'91	3
		Göraigat, I 179 11 48'12	3
		Topkönda, III 253 53 11'90	10
		Anantagiri, VI 354 13 41'53	5
<b>Meladi h.s.</b>		<b>Múdalagundi h.s.</b>	
Mukunnumalai h.s. 126 6 28	1901	Guddadur No. 2 h.s. 17 29 49	1183
Kalamalai " 208 9 32	1901	Kambagal Hill Pagoda 268 45 42	1184
		Jiádigudda " 307 18 8	1183
<b>Melúr h.s.</b>		<b>Múdelmalai h.s.</b>	
Alagamalai h.s. 53 32 16	1787	Elamkunnu h.s. 52 33 54	1874
Kanjamalai, LXV 116 20 32	1787	Kotakád Church 95 32 11	1876
Shevaroy No. 4 " 180 33 17	1788	Pönmalai " 100 58 27	1874
		Machátmalai " 142 24 35	1875
<b>Mikarubétta h.s.</b>			
Derbétta Hill Mark 129 5 25	1959		
Kolari Hill Mark 131 45 10	1961		
Kudiakád Hill Mark 137 36 40	1960		
Döddabétta h.s. 206 40 18'2	1942		
Devarbétta Hill Mark 241 24 54	1957		
Pakásura " 242 56 25'3	1941		
Karimalai No. 1 " 356 32 15'9	1941		
<b>Mínákshi, LXXIV†</b>			
Koilpati, LXXXIII 68 25 44'41	646		
Périyúr, LXXXIV 89 25 53	2008		
Kaulikátán h.s. 100 38 45	2034		
Sadragiri " 150 26 58	2007		
Gopálswámi " 158 6 30	2021		
Kutipárai " 186 21 32	2007		
Pandalagudi s. 212 45 2	646		

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 † This station appertains to the South-East Coast Series.



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Mudimalai, LXXIX</b>		<b>Muruvattúr h.s.—(Contd.)</b>	
Sáttámpádi Hill Mark	6 19 16	Kóláchal Landmark	80 3 3
Kalugumalai, LXXX	35 35 9 <sup>91</sup>	Udayagiri Flag-staff	81 1 7
Sirumalai Hill Peak	47 1 25	Ánaipárai	h.s. 101 16 28
Sirumalai Hill Mark	49 55 3	Udayagiri Hill Mark	115 19 10
Dindigul	h.s. 77 34 10	Kalamalai	148 5 0
Pérumálmalai, LXXVIII	79 59 31 <sup>35</sup>	Mahendragiri	No. 1 " 215 39 4
Rangamalai, LXXVII	132 6 20 <sup>67</sup>	Manpóttai, XCIV	265 3 18
Ratnagiri Hill Temple	202 39 39	Martava	" 314 57 25
Trichinopoly Temple (helio.)	230 20 6	Shivandram Pagoda	322 28 45
Véllaimalai Hill Mark	277 13 17	Kótár Church	328 32 3
		Mannárgudi Church	330 38 5
		Pallam Church	344 54 50
<b>Múganáyakankote h.s.</b>			
Bómmanhalli	h.s. 57 14 55		
Ranganhalli	" 182 7 32	<b>Muttukoil h.s.</b>	
Huvinkatte	s. 188 28 50	Áwáremalai Hill Building	47 28 33
Tarúr	h.s. 223 6 56	Dhárápúram	s. 93 53 7
Salparhalli	" 230 54 50	Vírajímangalam Pagoda	108 49 25
Chelúr Fort	234 57 57	Udiyúr	h.s. 131 50 21
Köndapur	" 313 37 40	Kátpálayam	s. 176 30 53
		Paramati	h.s. 222 52 45
<b>Mukanúr h.s.</b>		Tíndákál Hill Pagoda	264 0 8
Puthu Ísalahalli	s. 57 2 3	Rangamalai, LXXVII	290 35 5
Góllapalli	h.s. 92 13 28		
Alankarai	" 122 6 55	<b>Nádkáni h.s.</b>	
		Udiyúr	h.s. 82 19 54
<b>Mukunnumalai h.s.</b>		Kanapálayam	s. 177 22 9
Tiruvallam Hill Mark	68 9 3	Kátpálayam	" 233 34 33
Trivandrum Pagoda	101 29 15		
Pandalakotamalai	h.s. 145 51 53	<b>Nágaldinne s.</b>	
Kunnatápára	" 146 3 50	Gudikalbétta	h.s. 29 48 11
Péramkota	" 195 2 5	Kámannagutta	" 69 2 18
Pillikárinji Hill Mark	198 51 47	Manchál Fort	102 7 18
Kalamalai	" 265 53 28	Sompúram Fort	280 41 55
Attúr Rock Pagoda	301 44 9	Pönnakal Hill Dargah	301 45 2
Meladi	" 306 5 7	Kére Béalagal, XXI	311 36 28
Ánaipárai	" 310 1 3		
Kólattúr Hill Mark	337 58 12		
		<b>Nágalúr h.s.</b>	
<b>Munimalai h.s.</b>		Mallikarai	h.s. 38 47 28
Kanavaiputtúr	h.s. 42 15 21	Éttapur Pagoda	68 18 27
Véllármalai	" 224 41 43	Köppakundamalai Hill Pagoda	68 27 53
Dialmalai	" 336 22 51	Valiyúr Pagoda	90 0 15
		Tenandamalai	" 142 22 49
<b>Munnanúr h.s.</b>		Áviarmalai	" 330 18 24
Tumengutta	h.s. 99 19 43		
Ulpárai Fort	125 49 18	<b>Nagamalai h.s.</b>	
Maishagutta	" 158 40 0	Tévankurchi	h.s. 20 5 5
Ganganpalle Hill Mark	194 7 48	Tumbichináyakan Hill Pillar	33 50 1
Devarakónða No. 2	" 209 7 22	Sadragiri	" 44 51 19
Amrabad	" 282 43 9	Putúr Hill Pillar	57 58 22
		Kúdirmalai Hill Pagoda	75 18 58
<b>Muruvattúr h.s.</b>		Ríshimalai	" 165 24 41
Kadiapatnam	h.s. 32 1 55	Madura Pagoda No. 1	293 38 56
Kóláchal Church	64 10 5	Madura Pagoda No. 2	295 58 21
Kudankal Hill Mark	68 53 35	Sikandarmalai	No. 2 " 313 15 3

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<b>Nagarbetta h.s.</b>		<b>Nallakönda h.s.</b>	
Pirapur Platform	1202	Ávuladevarakönda h.s.	1547
Hunshigi Hill Tree	1152	Chúkkalúr Pagoda	1576
Shorapur h.s.	1159	Ávulatéppáyapalli Pagoda	1574
Kakeri	1162	Abdullapuram Hill Platform	1551
Ráyanpalle Fort	1156	Tadpatri Pagoda No. 2	1554
Anjala Hill Tower No. 2	1197	Tadpatri Pagoda No. 1	1552
Bunkaldöddi Hill Pagoda	1185	Vírapuram Fort	1577
Hulikeri	1157	Kodúr Fort	1557
Gudgunta Hill Tower	1165	Gandikot h.s.	1546
Tauga	1148	Shanagalagúdúr Fort	1578
Jaldurg Hill Tower	1163	Bédudúr	1555
Kotekal	1147	Bhanukotakönda Hill Mark	1559
Bélammaráyangudda	1154	Mallela Hill Mark	1561
Mudgal Hill Masjid	1150	Gatpet Hill Pagoda	1579
Guddadur No. 2	1147	Nittúr Pagoda	1571
		Chintalapalli	1549
		Pálkönda No. 2	1546
<b>Nágarëddipalle h.s.</b>		<b>Nallurhalli h.s.</b>	
Kotamaripalle h.s.	163	Betdásanpur h.s.	439
Göraigat, I	163	Shivansandra	489
Nakalgutta	164	Höskote Idgah	440
<b>Nágarkoil Longitude s.</b>		<b>Namthabad s.</b>	
Tatakamalai h.s.	2074	Pamidi h.s.	290
Thovalamalai	2074	Boglemárkönda	291
Amritwamalai	2075	Gooty, XXV	290
<b>Nágavára s.</b>		<b>Nandigudi, XLVII</b>	
Bangalore Base-line S.W. End, LII	1725	Tirthapalli, XLVI	77
Gëddahalli h.s.	1725	Halasúrbëtta, XXXIX	77
Basavangudda	1726	Nundydroog Building	471
Ráchënhalli s.	1729	Nundydroog Hill Mark (helio.)	455
Hënnúr	1728	Kolár, XLVIII	78
Machalbëtta	1727		
Döddagunta	1735	<b>Nandimandalam h.s.</b>	
		Pipád h.s.	1409
<b>Naikal, XVII</b>		Yërrakönda	1409
Rámdurg Hill Temple	280	Chinna Chëppalli	1410
Chintalikunta, XVIII	28	Pesiduvapalli	1411
Pírlagat, XIV	27		
Köttapalle, XV	27	<b>Nannivála h.s.</b>	
		Pálavanhalli h.s.	1350
<b>Naikal h.s.</b>		Jogimardi	1344
Kakarkal h.s.	981	Chitaldroog Flag-staff	1354
Maligiri	982	Guhesvar	1344
Kandkúr	980	Turuvanúr Fort	1347
Köttapalle, XV	980	Talak	1345
		Kondarpidurga	1346
<b>Nakalgutta h.s.</b>		Döderi Fort	1349
Kotamaripalle h.s.	164	Yënnëkal	1345
Göraigat, I	165	<b>Narikot h.s.</b>	
Nágarëddipalle	164	Pukunna s.	1812
		Purakád h.s.	1813
		Wáyútmalai Hill Peak	1845
		Chekkunnu	1814

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Narsimdevaragudda h.s.</b>		<b>Nēlkurti h.s.—(Contd.)</b>	
Bēttadmāllappangudda h.s. 163 38 32	1224	Pēdda Chēppalli Pagoda 178 33 52	1595
Karēddigudda No. 1 " 187 41 3	1286	Lankamalai h.s. 217 2 12	1535
Shikkiter Pagoda " 196 50 40	1286	Pallakōnda Hill Platform 244 47 22	1599
Ānēkalgudda " 214 14 23	1223	Vandādi " 352 34 15	1496
Kōttūr Pagoda " 228 48 55	1291		
Jarimalai " 251 0 25	1223		
Arsikēre Fort " 271 32 6	1287	<b>Nēllikudru h.s.</b>	
Basvankote Fort " 271 32 6	1288	Bādapalle h.s. 141 0 38	871
Huchangipur Fort " 302 20 56	1289	Urakōnda Hill Mark h.s. 180 6 9	877
		Maishagutta " 199 4 57	870
		Rāmagiri Hill Pagoda " 206 9 34	872
<b>Narsula, II*</b>		Rākōnda Mandapam " 239 39 23	874
Suldapur h.s. 22 8 1	753	Tumengutta " 269 27 49	870
Sandūr Building " 55 55 41	753	Kōndanāgula Hill Pagoda " 295 31 24	876
<b>Nauli h.s.</b>		<b>Nēllūdi h.s.</b>	
Somapa h.s. 20 39 37	1168	Javuk Pagoda 5 8 43	1131
Yamigudda Hill Peak " 23 40 53	1166	Devasamudram Hill Pillar h.s. 49 57 42	1129
Lakshmgudda Hill Pagoda " 62 36 8	1169	Timmapuram h.s. 65 41 34	1125
Udarkal " 77 8 47	1141	Hālhali " 129 39 2	1125
Tavūrgiri Hill " 136 11 29	1181	Ittigi Fort " 185 0 17	1127
Jiādigudda " 174 43 3	1177	Kurgod " 286 26 35	1126
Kālamangi " 199 5 2	1172		
Kurukōnda " 223 19 4	1175		
Rādakōnda " 261 57 55	1142	<b>Niālamari h.s.</b>	
Mailapur Hill Tower " 263 56 2	1173	Wanparti Fort " 21 37 8	882
Karatgi Hill Mark " 283 5 55	1171	Gurumurtia h.s. 80 46 2	189
Timmapuram " 348 30 19	1141	Palmūr Hill Idgah " 150 47 12	869
Gangāvati " 355 13 24	1144	Bādapalle " 182 42 5	189
		Nāgol Hill Turret " 278 42 16	880
		Tumengutta " 281 55 4	867
<b>Nedampārai h.s.</b>		Palchagutta " 304 46 31	868
Kunnatapāra h.s. 43 10 46	1834	Etamkōnda Hill Pagoda " 330 48 44	885
Māsilmalai " 72 29 50	1833	Gopālpēt Fort " 349 38 16	190
Udaiyūrmalai " 115 18 0	1832	Yērragutta No. 1 " 358 32 24	868
Ammūrthamolemalai " 168 0 50	1832		
Pēramkota " 352 7 21	1835		
		<b>Nidugal h.s.</b>	
<b>Nēddikunnu h.s.</b>		Karēkal h.s. 8 51 47	1321
Velamalai h.s. 162 49 36	1829	Yēnnēkal " 62 30 34	1320
Kodayattūr " 200 40 38	1829	Amrapur Fort " 75 37 7	1323
Āmmūrthamolemalai " 250 47 11	1830	Kondarpidurga " 161 48 45	1320
Udaiyūrmalai " 353 21 1	1831	Pāvagada, XXXIII " 285 34 58	1321
<b>Nēlagat, XI</b>		<b>Nimbāgal s.</b>	
Pīrlagat, XIV 39 16 29.59	17	Hōnnūr, XXIX 121 19 19	367
Hudāgi, XII 115 23 56.36	20	Gadēkal, XXVI 189 11 3	367
Ganapur, X 174 9 47.53	15	Udarpidurga, XXVII 283 7 10	368
Kodangal, VIII 242 26 19.15	15		
Impagat, XIII 332 18 19.38	16	<b>Nimbāpuram h.s.</b>	
		Jambanāth h.s. 28 51 38	1273
<b>Nēlkurti h.s.</b>		Devaragudda Hill Pagoda 98 9 18	1273
Rajēnmalle h.s. 1 45 4	1495	Anagōndi Fort 185 22 35	1274
Bujanmalai Stone " 6 52 15	1609		
Īsvaramalai " 47 30 31	1495	<b>Nundydroog h.s.</b>	
Dikūnraidu Hill Pagoda " 89 8 13	1598	Halasūrbētta, XXXIX 17 17 58	1720
Vempalli Hill Pagoda " 112 10 25	1596	Kundana h.s. 26 1 41	411
Ānaimalai " 141 5 55	1585	Savandurga, XLI 40 34 47	408

\* This station appertains to the Bider Longitudinal Series of the South-East Quadrilateral.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Nundydroog h.s.—(Contd.)</b>		<b>Pálamalalai, LXIV—(Contd.)</b>	
Dódballapur Idgah h.s. 63 39 44	1720	Kanjamalalai, LXV 283 15 16.55	86
Shivaganga Hill Pagoda 66 7 33	420	Vebakaramalalai Hill Peak 299 0 54	505
Devaráyadurga " 90 28 34	418	McDonald's Choultry By. Station 299 31 54	495
Kalavardurga " 177 23 17	1704	Kálipati Temple 300 23 57	497
Ambájidurga Building 265 50 51	1683	Pullampati Foundry 322 20 41	494
Rahmanghar " 272 44 33	407	Sankaridrug h.s. 330 18 4	500
Tirthapalli, XLVI 329 8 14	407	Morúr, LXVII 332 0 57.33	87
<b>Omalúr Fort s.</b>		<b>Pálamalalai h.s.</b>	
Táramangalam Pagoda 59 29 39	1795	Uráchimalalai h.s. 11 38 43	1765
Pálamalalai h.s. 82 10 35	1792	Kambatiráyan " 77 27 42	1764
Malaiyampati Hill Pagoda 106 15 2	1793	Pönnásibétta " 168 49 41	1764
Tindimangalam Pagoda 125 37 58	1801	Mannagundapálaiyam " 236 2 38	1789
Mannagundapálaiyam " 190 40 31	1791	Omalúr Fort s. 262 6 55	1792
Shevaroy No. 4 " 245 34 43	1791	Kanjamalalai, LXV 283 33 8	1789
Mungilpádi Hill Pagoda 261 12 47	1797		
Kusamalalai " 293 48 9	1798		
Kanjamalalai, LXV 350 11 37	1792		
<b>Ótapidáram Pagoda s.</b>		<b>Palamcottah Base-line E. End s.</b>	
Valanád, LXXXVII 34 4 28	691	Kunnattúr h.s. 35 48 28	671
Kulayanallúr, LXXXV 106 55 38	691	Palamcottah Base-line W. End s. 98 35 32	670
		Tálaiyút h.s. 174 54 28	670
		Palamcottah Flag-staff 348 14 33	672
<b>Pachapálaiyam s.</b>		<b>Palamcottah Base-line W. End s.</b>	
Udiyúr h.s. 43 7 34.6	1939	Tálaiyút h.s. 248 3 12	669
Chénnimalalai, LXIX 167 34 7.0	1938	Palamcottah Base-line E. End s. 278 34 46	670
Yéttimalalai, LXX 252 26 36.5	1938	Palamcottah Flag-staff 302 44 53	672
Kátpálaiyam s. 312 15 22.1	1939	Kunnattúr h.s. 341 29 22	669
<b>Padanalam h.s.</b>		<b>Pálavanhalli h.s.</b>	
Kunnatapára h.s. 230 25 33	1894	Karéddigudda No. 2 h.s. 15 42 14	1374
Pandalakotamalalai " 308 0 13	1894	Jogimardi " 94 17 56	1350
		Nannivála " 204 51 1	1350
		Utarigudda " 358 51 47	1351
<b>Pagalavádi h.s.</b>		<b>Palchagutta h.s.</b>	
Víramalalai Hill Pagoda 7 39 46	2065	Pédda Kurwa h.s. 4 58 14	831
Tiruvéngimalalai Hill Pagoda 64 38 30	2066	Pangadigutta Hill Mark 61 32 42	896
Tállamalalai h.s. 91 39 56	2048	Yérragutta No. 1 " 101 31 39	830
Mahádevi Hill Pagoda 114 1 15	2068	Níalamari " 124 52 43	868
Irúr " 250 22 12	2068	Rákönda Mandapam 181 6 56	873
Trichinopoly, Panmalalai " 340 19 49	2048	Tumengutta " 202 8 0	830
		Köndanágula Hill Pagoda 232 2 12	875
<b>Pakásura h.s.</b>		<b>Pálghát s.</b>	
Karimalalai No. 1 h.s. 24 48 31.0	1940	Álatúr h.s. 41 48 12	1998
Mikarubétta " 62 58 44.2	1941	Anangamalalai " 102 19 57	1999
Devarbétta Hill Mark 77 7 36	1958	Ayyamappamalalai " 117 31 21	1998
Dóddabétta " 130 44 27.7	1942		
Coimbatore s. 337 9 51.8	1940		
<b>Pálamalalai, LXIV</b>		<b>Pálkönda No. 1 h.s.</b>	
Uráchimalalai Hill Temple 11 28 57	502	Mallappakönda h.s. 37 8 35.6	1406
Komákaradu, LXVIII 41 41 34.98	88	Ávuladevarakönda " 107 46 12.8	1406
Urugamalalai, LXVI 78 47 10.48	89	Mallela Mark (helio.) 250 3 34	1420
Bodamalalai, LXIII 141 31 35.67	85	Yérrakönda " 256 4 52.2	1408
Karadigutta, LXII 204 48 49.38	85	Pulivéndla Temple (helio.) 286 46 46	1418
Shilakaradu No. 1 h.s. 249 51 25	475	Pípád " 312 50 59.4	1407
Shevaroy No. 1 " 255 22 48	477		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Pálkönda No. 2 h.s.</b>		<b>Pamidi h.s.—(Contd.)</b>	
Pamudurti Turret	7 58 44	Gooty Base-line S. End	s. 230 34 42 313
Malaikönda Hill Mark	31 30 52	Molakatalla Hill Pagoda	283 52 34 338
Mallappakönda	h.s. 37 10 3	Illúr Pagoda	314 48 56 340
Döddiavulamalai Hill Mark	43 45 30	Pamidi Pagoda	331 29 52 339
Dampetla	" 61 1 14		
Köðavëndlapalli Fort	" 66 41 17	<b>Pandalagudi s.</b>	
Budanampalli Fort	101 49 17	Mínákshi, LXXIV*	32 46 11 646
Ávuladevarakönda	" 107 46 42	Koilpati, LXXXIII	45 57 0 646
Tádmari Fort	117 36 25	Pemalai, LXXXII	105 44 33 647
Gudankönda Hill Pillar	120 2 53		
Chaid Fort	120 7 4	<b>Pandalakotamalai h.s.</b>	
Pödda Kotla	" 140 26 15	Padanalam	h.s. 128 1 28 1894
Parnapalle Fort	159 55 34	Kunnatápára	" 146 14 39 1893
Dáditota Fort	160 44 22	Përamkota	" 225 56 25 1892
Nallakönda	" 167 47 57	Mukunnumalai	" 325 51 2 1892
Chintalapalli	" 174 17 25	Tiruvallam Hill Mark	" 348 14 31 1897
Nittúr Pagoda	193 8 16	Trivandrum Pagoda	350 50 59 1895
Yëllanúr Fort	197 15 5		
Bëdudúr	" 200 33 3	<b>Pandalúr h.s.</b>	
Etúr Pagoda	205 35 52	Angádipuram	s. 5 50 32 1855
Gandikot	" 221 24 54	Kodúrkunnu Hill Mark	65 55 45 1856
Bhanukotakönda Hill Mark	227 53 48	Urattmalai	h.s. 102 58 5 1857
Mallela Hill Mark	243 27 27	Koangamalai Hill Mark	145 52 1 1858
Ankálammagúdúr Hill Platform	246 25 47	Nílgiri Hill Peak	256 41 42 1854
Yërrakönda	" 256 3 56	Pránakod	No. 2 " 301 11 45 1853
Vulimela Hill Pagoda	279 33 3	Angádipuram House	327 7 52 1867
Pulivëndla Pagoda	289 30 59	Ananghát	" 330 29 15 1853
Pípád	" 312 51 13		
Dorigal Fort	330 0 26	<b>Paramati h.s.</b>	
Devarakönda No. 3	" 352 8 2	Rangamalai, LXXVII	0 54 13 1945
		Karumalai	h.s. 6 54 42 2040
<b>Palkunnu h.s.</b>		Muttukoil	" 42 55 17 2010
Calicut Flag-staff	15 7 52	Paruttimalai, LXXIV	47 57 44 1945
Kannangod Hill Mark	282 20 56	Kátpálaiyam	s. 82 48 54 1946
Walliattúr	h.s. 330 13 52	Yëlmatúr	h.s. 142 58 24 1946
Kotakunnu	s. 352 28 40	Yërramangalam Hill Pagoda	165 48 12 1948
		Kávalamalai Hill Stone	188 33 46 2053
<b>Pallangkota h.s.</b>		Púgalúr Hill Pagoda	217 54 35† 2056
Kanimárpöttai, XCI	0 9 50	Tállamalai	" 255 18 23 2046
Përiyúr, LXXXIV	162 16 16	Karúr Pagoda	275 14 48 2063
Kulayanallúr, LXXXV	251 10 11	Sankaramalai Hill Pagoda	281 12 47 2057
Tálaiyút	h.s. 263 56 57	Ratnagiri	" 281 55 3 2061
Puluwodaiyár Hill Pagoda	268 48 36	Togamalai Hill Pillar	296 47 4 2059
Valanád, LXXXVII	289 21 55	Víramalai	" 301 6 32 2043
Palamcottah Flag-staff	305 44 36	Kuradampárai Hill Pagoda	320 33 4 2058
Rëttiyápati Hill Mark	313 11 56	Topimalai Hill Pagoda	330 50 15 2041
Kunnattúr	" 335 42 10		
		<b>Pargi h.s.</b>	
<b>Pamidi h.s.</b>		Kodangal, VIII	73 22 40 167
Appájpét Fort	59 5 53	Anantagiri, VI	153 32 58 167
Udarpídurga, XXVII	60 11 50	Pöchamagat, IX	353 27 33 168
Gadëkal	h.s. 115 26 9		
Gadëkal, XXVI	115 26 51	<b>Parmánanda h.s.</b>	
Konaköndla	" 125 23 42	Timmapa	h.s. 30 0 6, 1081
Boglemárkönda	" 146 15 49	Husainpur	" 101 50 43 1081
Bolikönda	" 163 24 21	Gavigat	" 327 2 38 1082
Mámdúr Fort	" 184 8 4		
Namthabad	s. 190 12 56		
Gooty Base-line N. End	" 190 41 50		
Gooty, XXV	204 8 32		

\* This station appertains to the South-East Coast Series.  
† From unadjusted triangle, vide page 122—A.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Paruttimalai, LXXIV</b>		<b>Pēdda Kotla h.s.</b>	
Pērumālmalai h.s. 0 1 "	2001	Dampetla h.s. 14 19 30	1436
Pērumālmalai, LXXVIII 1 54 6'26	99	Mallappakōnda " 16 55 17	1430
Palni Hill Temple 13 43 37	578	Dōddiavulamalai Hill Mark " 19 10 24	1442
Tinnavarai Hill Peak 13 46 0	573	Tādmari Fort " 72 38 2	1439
Palni House (helio.) 18 16 46	577	Āvuladevarakōnda " 87 4 40	1431
Allūrankave Hill Mark 25 1 2	580	Chaid Fort " 106 56 22	1445
Kūkal Hill Mark 31 10 41	582	Singanamalai Fort " 140 50 51	1444
Aivaremalai Hill Building 40 30 40	2019	Chintalapalli " 200 4 4	1563
Aivaremalai Hill Temple 41 58 8	562	Ētūr Pagoda " 227 53 54	1564
Chaklichimalai, LXXVI 47 52 40'86	101	Yēllanūr Fort " 231 4 1	1432
Ānaimalai Hills, Peak No. 4 54 57 28	569	Dāditota Fort " 254 42 59	1433
Jēmbavai Hill Peak 56 8 25	2017	Parnapalle Fort " 284 10 59	1434
Ānaimalai Hills, Peak No. 3 57 42 38	567	Pālkōnda No. 2 " 320 25 3	1430
Ānaimalai Hills, Peak No. 2 58 38 33	565	Chinna Kotla Fort " 327 59 59	1449
Ānaimalai Hills, Peak No. 1 59 56 8	563	Pēdda Kotla Fort " 333 20 27	1448
Kōllupālaiyam, LXXV 96 37 19'18	100	Budanampalli Fort " 334 53 0	1440
Chēnjeri h.s. 113 14 39	2016	Kōdavēndlapalli Fort " 340 7 15	1568
Dhārāpuram Building (helio.) 144 59 35	554	Pamudurti Turret " 351 21 45	1567
Dhārāpuram s. 150 5 40	2013		
Alagumalai, LXXIII 158 29 36'29	97		
Tirumankaradu, LXXII 195 15 25'08	97		
Kātpālaiyam " 200 9 30	1936	<b>Pēdda Kurwa h.s.</b>	
Paramati h.s. 227 53 51	1945	Gumankōnda h.s. 24 26 32	973
Pōnivādi Hill Temple 238 22 6	555	Jagannāth No. 1 " 59 18 42	833
Rangamalai, LXXVII 273 7 45'10	98	Sultānpur Hill Pagoda " 64 21 0	917
Kondringi Hill Peak 282 49 4	552	Vēllala Pagoda " 86 57 45	902
Karumalai " 284 33 3	2000	Yēllakōnda " 100 8 46	832
Virupachi Hill Pagoda 321 36 15	2020	Yērragutta No. 1 " 132 17 20	831
Tewattūr Hill Temple 334 13 55	558	Palchagutta " 184 57 51	831
Koth Hill Temple 339 6 51	556	Siddhapur " 292 29 43	975
Aringyanmalai " 353 11 30	560	Gundla Brahmesvaram " 328 39 6	974
<b>Pattikōnda s.</b>		<b>Pēddapād s.</b>	
Dūdekōnda Hill Pillar 190 38 58	277	Darūr, XVI 51 37 34	184
Devanakōnda h.s. 196 24 6	266	Kōttapalle, XV 117 55 13	184
Pulikōnda, XXIII 228 58 30	265	Impagat, XIII 168 33 27	185
Tsanugundla " 278 36 19	279		
Chintalakōnda " 295 45 7	281		
Koilkōnda " 306 46 24	265		
<b>Pāvagada, XXXIII</b>		<b>Pēddarangapuram, XCIX</b>	
Madakasīra Hill Mark (helio.) 2 37 17	892	Tanakarakulam, XCVII 9 34 15'17	140
Channarāyidurga Hill Peak 7 35 36	1700	Rādhāpuram, XCII 247 10 42'44	141
Maddagiri Fort (helio.) 9 26 53	898	Cape Comorin Base-line N. End, C 296 2 52'42	140
Dōdnirmanga, XXXVII 15 8 26'38	47		
Midagēshidurga Hill Mark (helio.) 16 40 37	394		
Karēkal h.s. 51 6 8	1321	<b>Pemalai, LXXXII</b>	
Nidugal " 105 37 50	1321	Pēriyūr, LXXXIV 3 43 53'32	109
Devādēlabētta, XXX 162 3 38'13	45	Chokampati Hill Peak 32 39 42	632
Pālvoi Hill 167 13 7	382	Puliangudi Hill Peak 36 32 52	639
Kōndapalli, XXXI 196 3 29'47	41	Pērumālmalai, LXXVIII 183 31 2'89	106
Urakōnda, XXXII 243 48 52'35	41	Kalugumalai, LXXX 218 29 21'40	106
Shāhdrug Fort 255 23 3	377	Tumbichināyakan Rock 235 4 10	621
Pēnukōnda Hill Fort (helio.) 275 13 21	383	Tiruvannāmalai Hill Temple 276 31 21	627
Pēnukōnda h.s. 276 34 50	307	Kutipārai, LXXXI 278 31 52'80	107
Yērrakōnda, XXXIV 297 17 56'03	46	Tirutankal Temple 283 55 9	622
Hindupur Temple (helio.) 321 2 46	896	Pandalagudi s. 285 38 55	647
Mākalidurga " 341 56 8	1702	Srivilliputūr Temple 295 54 48	628
Byāl " 359 49 39	1694	Koipati, LXXXIII 319 9 21'38	111
		Shippipārai Hill Temple 320 59 4	623
		Sankaranainārkoil Temple 357 46 35	630

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Pënnamale h.s.</b>	o' ' "	<b>Përumálmalai, LXXVIII</b>	o' ' "
Yërrakõnda, XXXIV	116 26 53	Pemalai, LXXXII	3 31 31 <sup>60</sup>
Gúlr Fort	125 38 46	Kõdaikáanal Cottage	44 52 47
Itikalidurga	h.s. 177 13 41	Kõdaikáanal Church	45 43 39
Tummala Fort	234 11 18	Kõdaikáanal Bungalow	50 54 28
Amadugúr Pagoda	235 37 1	Karumankád	h.s. 52 30 44
Saikalkõnda	" 257 52 7	Vembádishuli Hill Mark	59 16 20
		Modkati	" 62 18 28
		Ánaimalai Hills, Peak No. 6	75 25 26
<b>Përukõnda h.s.</b>		Tinnavarai Hill Mark	80 47 18
Pávagada, XXXIII	96 39 22	Tinnavarai Hill Peak	83 46 57
Mushtakoil Fort	161 26 23	Kúkal Hill Mark	87 41 33
Urakõnda, XXXII	186 15 14	Ánaimalai Hills, Peak No. 3	96 14 26
Guttúr Hill Turret	200 36 19	Ánaimalai Hills, Peak No. 2	97 3 54
Mallemkõnda	h.s. 234 1 53	Ánaimalai Hills, Peak No. 5	99 10 4
Yërrakõnda, XXXIV	337 20 50	Ánaimalai Hills, Peak No. 1	101 39 18
		Allúrankave Hill Mark	104 29 6
		Chaklichimalai, LXXVI	123 39 20 <sup>56</sup>
		Aivaremalai Hill Temple	137 59 20
		Paruttimalai, LXXIV	181 53 58 <sup>20</sup>
<b>Përamkota h.s.</b>		Tewattúr Hill Temple	197 22 25
Mukunnumalai	h.s. 15 2 50	Kondringi Hill Peak	207 1 30
Tiruvallam Hill Mark	23 14 28	Rangamalai, LXXXVII	224 59 47 <sup>07</sup>
Trivandrum Pagoda	28 5 34	Mudimalai, LXXIX	259 52 49 <sup>80</sup>
Pandalakotamalai	" 45 58 1	Sirumalai Hill Mark	277 33 10
Kunnataparā	" 83 59 41	Sirumalai Hill Peak	281 25 4
Nedamparai	" 172 7 34	Kalugumalai, LXXX	286 10 57 <sup>49</sup>
		Ponúrikimalai	h.s. 287 19 16
		Madura Temple	304 39 31
<b>Përiyakulam s.</b>		Sikandarmalai No. 1	" 310 9 11
Karumankád	h.s. 124 0 17	Black	s. 328 21 51
Kalugumalai, LXXX	264 47 49	Kutiparai, LXXXI	331 37 44 <sup>46</sup>
Kúdirimalai Hill Mark	327 26 41	Dõddapanáyakanúr Hill Mark	331 38 21
		Shúlakarai	" 333 29 4
		Kúdirimalai Hill Mark	342 41 56
<b>Përiyúr, LXXXIV</b>		<b>Përumálmalai h.s.</b>	
Agastyamalai Hill Peak No. 2	20 4 13	Paruttimalai, LXXIV	181 53 48
Agastyamalai Hill Peak No. 1	22 50 4	Karumalai	h.s. 226 35 27
Kuttálam Hill Peak	36 39 9	Rishimalai	" 286 1 58
Chokampati Hill Peak	70 32 35	Sadragiri	" 348 44 8
Puliangudi Hill Peak	86 23 0		
Vadanúr Hill Peak	107 52 49		
Kulamgundam Hill Peak	163 51 3	<b>Përumálmudi h.s.</b>	
Pemalai, LXXXII	183 43 39 <sup>87</sup>	Karimalai No. 2	h.s. 49 12 21
Sadragiri	h.s. 198 37 12	Siravanampati	" 258 57 15
Tiruvannámalai Hill Temple	199 57 21	Éttimalai No. 2	" 323 36 0
Srivilliputúr Temple	203 48 52		
Srivilliputúr Pagoda	204 11 9		
Karivalavandanallúr Pagoda	215 4 33		
Kaulikátán	" 227 56 34		
Kutiparai, LXXXI	241 37 34 <sup>66</sup>		
Varagani Stone Shaft	253 10 27	<b>Pesiduvaripalli h.s.</b>	
Maiparai Hill Temple	260 47 40	Nandimandalam	h.s. 81 11 12 <sup>7</sup>
Shippiparai Hill Temple	262 18 10	Chinna Chéppalli	" 141 40 31 <sup>0</sup>
Mínákshi, LXXIV*	269 21 14	Pushpagiri	" 197 12 45 <sup>0</sup>
Koilpati, LXXXIII	276 40 17 <sup>77</sup>		
Kalugumalai Hill Temple	284 40 21	<b>Pialmudi s.</b>	
Kulayanallúr, LXXXV	299 53 8 <sup>67</sup>	Kodangal, VIII	207 12 20
Sáyamalai Hill Mark (helio.)	310 30 30	Anantagiri, VI	224 57 33
Sankaranainárkoil Temple	312 21 42	Põchamagat, IX	288 52 1
Pallangkota	h.s. 342 14 57		
Kutaitatti, LXXXVI	343 44 42 <sup>67</sup>		
Kolandumalai Hill Peak	356 52 53		

\* This station appertains to the South-East Coast Series.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Pikili h.s.</b>		<b>Ponkonal s.</b>	
Göllapalli h.s. 8 19 19	1752	Kondurai s. 197 18 50	1889
Guttiráyan " 90 52 4	1740	Thoiyarmalai h.s. 218 47 14	1888
Ráyakota " 178 7 52	1740	Málailmalai " 274 9 19	1886
Moruvádi " 192 28 4	1742	Kunnatapára " 319 16 47	1886
Alankarai " 304 20 3	1752		
<b>Pípád h.s.</b>		<b>Pönmalai h.s.</b>	
Innáglúr Hill Staff 18 5 16	1424	Nazarani Church 118 58 48	1872
Mallappakönda h.s. 76 46 21'5	1407	Shevarattúr s. 152 45 20	1870
Páلكönda No. 1 " 132 53 32'1	1407	Kurnád No. 2 h.s. 178 54 50	1822
Páلكönda No. 2 " 132 53 44	1423	Machátmalai " 250 58 55	1822
Ankálammagúdúr Hill Platform 180 26 36	1573	Múdelmalai " 280 55 23	1874
Pulivéndla Pagoda 204 7 13	1480	Kotakád Church " 291 46 2	1877
Mallela Mark (helio.) 208 2 6	1421	Pundimúdi Hill Mark 295 41 37	1824
Pulivéndla Temple (helio.) 209 30 2	1418	Trichúr Flag-staff 302 27 32	1878
Pulivéndla Fort 212 1 34	1482	Elamkunnú " 325 0 22	1823
Yërrakönda h.s. 213 39 33'3	1408		
Möpur " 230 52 32	1583	<b>Pönnásibëtta, LIX</b>	
Pálagiri Turret 244 43 30	1483	Bodamalai, LXIII 21 35 3'87	82
Ánaimalai " 249 59 46	1583	Bandhalli Masjid 95 5 32	474
Nandimandalam " 261 3 35'0	1409	Bandhallidurga, LXI 102 5 45'97	83
Midipéntla Fort 269 53 10	1484	Köppabëtta, LVIII 146 45 21'71	79
Véllikönda " 296 45 31	1471	Mariyálam, LVII 193 52 27'69	79
Bandlapalikönda Hill Pillar 314 56 59	1476	Guttiráyan, LX 238 57 25'12	80
Ísvaramalai " 332 4 16	1425	Karadigutta, LXII 302 47 55'17	81
Kurli Fort 336 9 51	1485		
Kannikallakönda " 338 40 42	1473		
Gödduvelagala " 345 11 27	1462		
<b>Pírlagat, XIV</b>		<b>Pönnásibëtta h.s.</b>	
Balichakramgutta Hill Peak 13 15 32	170	Kambatiráyan h.s. 33 38 16	1763
Naikal, XVII 58 47 57'21	27	Bandhallidurga " 100 50 46	1762
Yádgiri Hill Mark 59 39 35	174	Devarabëtta " 177 48 20	1762
Hudági, XII 166 14 5'93	21	Pálamalai " 348 48 47	1764
Nélagat, XI 219 13 42'70	17		
Impagat, XIII 294 27 54'49	17	<b>Ponúrikimalai h.s.</b>	
Birámkönda Hill Mark 311 20 20	177	Përumálmalai, LXXVIII 107 24 0	597
Köttapalle, XV 349 45 37'68	22	Kalugumalai, LXXX 210 18 19	597
		Madura Temple 335 35 22	601
<b>Pöchamagat, IX</b>		Sikandarmalai No. 1 h.s. 348 0 18	599
Impagat, XIII 47 24 33'08	19	Kutipárai, LXXXI 359 52 5	598
Pialmúdi s. 108 57 49	171		
Kodangal, VIII 121 21 34'18	18	<b>Pránakod No. 1 h.s.</b>	
Anantagiri, VI 167 25 31'00	18	Kurnád No. 1 h.s. 45 8 15'1	1817
Pargi h.s. 173 28 1	168	Urattmalai " 111 13 21'9	1816
Sayedpalle Hill Mosque 181 28 41	857	Chekkunnú " 145 26 25'9	1816
Bodampád s. 232 8 48	822	Anginda " 218 24 26	1963
Moghalgidda Pagoda No. 2 232 46 40	860	Karimalai No. 1 " 277 49 54'5	1934
Moghalgidda Pagoda No. 1 235 3 57	859	Anangamalai " 329 6 48'6	1818
Chávalpalle h.s. 248 9 19	856		
Revalle Hill Pagoda 277 36 20	854	<b>Pránakod No. 2 h.s.</b>	
Bádapalle " 317 27 31	822	Ánanghát h.s. 35 57 6	1849
		Pandalúr " 121 13 5	1853
<b>Poiyakota s.</b>		Nilgiri Hill Peak 224 23 49	1851
Bagvádi Gateway 229 56 20	1881	Ayyamappamalai " 303 16 7	1850
Malliattúr h.s. 269 35 56	1882	Anangamalai " 329 31 54	1849
Yërrandamalai s. 318 14 52	1881		
Chëndamangalam Synagogue 348 4 31	1883		



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Pudúr h.s.</b>		<b>Punnæ Observatory, CIV</b>	
Jagannáth No. 2 h.s. 61 29 39	1019	Dutch Rock 139 44 13	716
Kurnool Bridge 83 50 57	1027	Manpöttai, XCIV 155 22 52	706
Kurnool Court (helio.) 90 5 30	1030	Érukandurai, CIII 203 34 11·38	142
Kurnool House No. 2 (helio.) 90 38 7	1022	Kudankulam s. 252 51 11	706
Kurnool Dargah 90 54 57	1025	Kudankulam, XCV 256 50 33·64	142
Kurnool Building (helio.) 93 15 37	1028		
Kurnool Flag-staff 94 45 57	1023		
Kurnool House No. 1 (helio.) 95 50 19	1020	<b>Purakád h.s.</b>	
Undaveli s. 130 27 27	1019	Narikot h.s. 258 44 1·9	1813
		Pukunnu s. 323 58 16·6	1813
<b>Pukunnu s.</b>		<b>Puralgudda h.s.</b>	
Calicut Light-house 99 46 36	1846	Chetkuli h.s. 118 35 25	1756
Purakád h.s. 144 0 19·3	1813	Karadigutta, LXII 166 56 17	1755
Narikot " 207 31 17·8	1813	Divatipati " 262 45 19	1755
Chekkunnu " 266 26 13·8	1814		
Uratmalai " 309 34 57·7	1815		
<b>Pulikönda, XXIII</b>		<b>Pushpagiri h.s.</b>	
Gadëkal, XXVI 45 2 43·78	33	Yadavapuram s. 1 10 14	1603
Pattikönda s. 48 59 56	265	Pesiduvapuram h.s. 17 13 36·3	1412
Rámadrug Hill Fort 63 42 35	349	Rámapuram s. 31 0 25	1601
Dúdekönda Hill Pillar 78 52 11	276	Ánaimalai h.s. 60 49 14	1585
Arakërbëtta h.s. 81 24 55	236	Chinna Chëppalli " 70 15 32·1	1412
Ádoni " 119 44 6	238	Apparápalli Hill Platform 83 45 4	1602
Ádoni, XXII 119 57 47·02	32	Kamalápuram s. 93 45 28	1594
Devanakönda " 144 41 35	261	Valasapalli h.s. 94 34 20	1585
Taranikal " 158 18 55	259	Këshavapuram Hill Platform 191 59 44	1581
Këre Bëlagal, XXI 193 21 23·40	32	Pëddabod Hill Platform 197 49 25	1580
Vëidurti Hill Temple 257 31 0	346	Lankamalai " 244 27 26	1580
Katömöráj, XXIV 277 13 41·88	35	Takkol Hill Peak 314 31 29	1605
Dhonekönda " 289 45 1	271	Pallakönda Hill Platform 324 48 46	1600
Dhonekönda Hill 289 45 6	348	Cuddapah Mosque 334 58 9	1606
Yeddalkönda Hill Temple 313 57 25	351		
Tsanugundla " 317 2 47	278	<b>Puthu Isalahalli s.</b>	
Chintalakönda " 338 38 51	280	Karadigutta, LXII 97 55 48	1760
Gooty, XXV 351 50 31·68	34	Göllapalli h.s. 180 12 21	1759
Koilkönda " 355 52 51	264	Mukanúr " 236 59 4	1759
<b>Pulikönda h.s.</b>		<b>Rácharlu h.s.</b>	
Gatdrug h.s. 62 14 27	1517	Köndapalli, XXXI 162 2 51	304
Batlapur Fort 94 31 54	1519	Tumchërla Fort 171 16 7	306
Kunnakönda " 117 33 33	1518	Urakönda, XXXII 262 49 19	304
Tumakönda " 286 31 34	1517	Mushtakoil Fort 308 27 3	309
<b>Pulláváli, LXXXVIII</b>		<b>Ráchënhalli s.</b>	
Tirachëndúr, LXXXIX 4 38 58·72	119	Nágavára s. 44 32 3	1729
Tirachëndúr Temple 4 46 20	717	Basavangudda h.s. 87 42 39	1729
Pinnakáyal Church 21 11 43	723	Sampigehalli t.s. 169 20 54	1731
Valanád, LXXXVII 91 32 33·55	118	Bangalore Base-line N.E. End, LIII 224 32 3	1733
Kulayanallúr, LXXXV 143 14 2·31	118	Gubbi s. 256 40 11	1732
Tuticorin Church 186 14 17	724	Hënnúr " 329 18 41	1730
Tuticorin Chimney No. 2 186 41 29	684		
Tuticorin Port Flag-staff 186 58 2	687	<b>Rádakönda h.s.</b>	
Tuticorin Chimney No. 1 187 54 49	682	Timmapuram h.s. 30 38 8	1139
Tuticorin Light-house 212 21 7	688	Karatgi Hill Mark 44 28 38	1171
		Udarkal " 80 6 51	1139

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Rádakönda h.s.—(Contd.)</b>		<b>Rámadevarabëtta, XL</b>	
Nauli h.s. 82 1 53	1142	Rangaswámibëtta, XLIII 32 34 31 46	56
Kálamangi " 98 0 3	1172	Dödnírmanga, XXXVII 174 23 43 24	49
Guddadur No. 2 " 105 51 46	1145	Mákalidurga, XXXVIII 250 42 32 05	49
Jiádigudda " 108 41 17	1176	Halasúrbëtta, XXXIX 289 52 25 00	50
Kurukönda " 136 27 49	1174	Savandurga, XLI 342 46 52 13	55
Kambagal Hill Pagoda 142 9 17	1180		
Maski " 157 16 0	1115		
Kotekal " 171 12 9	1146	<b>Rámallakot h.s.</b>	
Sindhúr Masjid 176 13 36	1117	Lanjabanda Hill Fort 27 45 14	914
Husainpur " 185 18 21	1064	Dhonekönda h.s. 44 19 48	912
Hálwi " 239 5 49	1062	Gorantla Pagoda 111 38 35	915
Hólalagundi " 304 26 16	1062	Chanugundla s. 125 28 17	913
Kurgod " 350 41 12	1140	Jagannáth No. 1 h.s. 180 28 6	912
<b>Rádhápuram, XCII</b>		<b>Rámandrug h.s.</b>	
Kudankulam, XCV 5 55 31 86	123	Vutrimala Hill Turret 17 48 17	1284
Cape Comorin Base-line N. End, C 5 55 31 96	136	Kúdligi Fort 20 11 43	1277
Tanakarakulam, XCVII 46 23 6 86	127	Áněkalgudda h.s. 62 11 19	1222
Thovalamalai h.s. 67 3 37	2070	Náráyanadevarakeri Pagoda 109 6 37	1267
Kátádi Hill Mark 67 3 38	738	Jambanáth " 160 42 56	1247
Péddarangapuram, XCIX 67 11 7 64	141	Kumára Ramankumath Fort " 163 16 17	1276
Araballe Hill Building 79 14 24	740	Sugidaribëtta " 277 54 51	1221
Manpöttai, XCIV 81 36 44 69	124	Jarimalai " 356 13 22	1221
Tatakamalai Hill Peak 86 30 32	737		
Kanimárpöttai, XCI 160 37 41 93	121	<b>Rámapuram s.</b>	
Ittamóli, XC 243 14 42 46	121	Apparáupalli Hill Platform 133 5 32	1602
Ittamóli No. 2 s. 243 14 58	704	Pushpagiri h.s. 210 59 16	1601
Ánaikarai Church 243 43 50	732	Yadavapuram s. 241 44 32	1603
Ilaiyanainárkulam, XCVIII 289 11 41 41	139	Cuddapah Mosque 265 34 36	1606
Vijayápati, XCIII 317 28 58 78	122	Takkol Hill Peak 268 22 52	1604
Arasákulam, XCVI 324 28 29 62	126	Pallakönda Hill Platform 284 30 19	1601
		Chintákömmadinne Hill Platform 306 9 48	1608
<b>Rahmanghar h.s.</b>		<b>Rámavaram h.s.</b>	
Tirthapalli, XLVI 20 44 28	406	Abdullapuram Hill Platform 3 59 30	1550
Nundydroog h.s. 92 49 1	407	Gudipád Hill Platform 27 56 36	1545
Kalavardurga " 101 6 4	1704	Jillalapēnta Hill Platform 57 55 31	1537
Chikkapalli " 147 16 37	1617	Siddanagat h.s. 75 55 25	1536
Ambájidurga Building 192 15 17	1683	Gumankönda " 207 5 40	1530
Kónkóntlu " 208 26 20	1617	Gundla Brahmesvaram " 241 18 41	1530
Adavi Ávalpalli " 252 51 52	1618	Hauhoballam " 283 1 16	1531
Yérrakönda, XX* 331 21 44	406	Koilkuntla Fort 286 57 31	1544
		Vamikönda Hill Platform 296 43 45	1540
<b>Rajēnmalle h.s.</b>		Nösam Hill Platform 320 9 47	1541
Tumakönda h.s. 8 12 30	1428	Alavakönda " 322 38 29	1542
Midimalapkönda Platform 9 27 14	1510	Jagannáth Hill Pagoda 330 44 48	1536
Yéllutladurga Tree 12 39 13	1508	Pérusomala Pagoda 338 4 43	1538
Rekalkönda Hill Platform 42 23 16	1505	Gandikot " 342 44 34	1532
Kunnakönda " 59 41 23	1427		
Sádkönda " 62 55 50	1489	<b>Rámesvarambanda s.</b>	
Ísvaramalai " 103 15 10	1427	Kopal h.s. 170 28 0	1254
Kúchbanda Hill Platform 106 13 31	1610	Halarki Hill Peak 196 58 24	1293
Véllichalmalai Hill Mark 120 38 23	1486	Kumára Ramankumath Fort 225 51 45	1275
Dikúnraidu Hill Pagoda 151 59 43	1458	Devaragudda Hill Pagoda 228 27 28	1271
Vempalli Hill Pagoda 159 59 9	1597	Barikalgudda " 256 20 58	1250
Nélkurti " 181 44 55	1495	Jambanáth " 265 5 38	1248
		Áněkalgudda " 319 27 36	1248
<b>Rájupalli h.s.</b>			
Ísvaramalai h.s. 35 53 20	1497		
Dikúnraidu Hill Pagoda 164 41 16	1497		
Kumáarakalva s. 179 28 6	1499		
Vandádi h.s. 315 21 27	1498		

\* This station appertains to the Madras Longitudinal Series.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Rangamalai, LXXVII</b>	° ' "	<b>Rávalchëru h.s.</b>	° ' "
Aringyanmalai h.s.	41 32 37	Yërragutta No. 2 h.s.	39 9 41
Përumálmalai, LXXVIII	45 3 37·78	Induvási "	58 42 21
Tewattúr Hill Temple	68 5 5	Ráyalampád Hill Rock	155 2 35*
Koth Hill Temple	74 53 55	Yadulagutta "	255 36 12
Paruttimalai, LXXIV	93 11 31·61	Anantapur "	257 42 50
Pönivádi Hill Temple	102 1 43	Tanagal "	342 48 4
Dhárápuram Building (helio.)	103 16 22		
Dhárápuram s.	103 55 36	<b>Ráyadrug h.s.</b>	
Muttukoil h.s.	110 37 31	Mölkálmuru Hill Turret	105 56 11
Tirumankaradu, LXXII	142 17 44·12	Jarimalai h.s.	108 4 36
Paramati "	180 54 7	Jetting Rámesvar Pagoda	160 14 39
Púgalúr Hill Temple	190 54 33	Sugidaribëtta "	178 6 6
Köllumalai Hill Peak	213 29 57	Bandúr "	210 43 30
Tállamalai "	222 55 22	Hönnúr Fort	229 28 11
Týndákal Hill Pagoda	240 21 31	Kanakal Fort	246 21 51
Ratnagiri Hill Temple	243 26 37	Udarpidurga, XXVII	255 24 1
Trichinopoly Temple (helio.)	256 47 31	Dharmapuri Hill Pagoda	260 52 18
Víramalai "	261 43 35	Bellaguppa Fort	268 25 39
Vëllaimalai Hill Mark	302 58 0	Bellaguppa "	276 56 56
Mudimalai, LXXIX	312 3 24·35	Chitrabanda Pagoda	296 0 30
Kalugumalai, LXXX	348 44 47·46	Devádélabëtta "	297 52 6
Dindigul "	351 1 45	Kalyándrug Hill Mark No. 2	302 6 30
		Kondarpidurga "	335 26 31
<b>Ranganhalli h.s.</b>		<b>Ráyakota h.s.</b>	
Múganáyakankote h.s.	2 7 41	Guttiráyan h.s.	35 1 39
Utarigudda "	114 54 5	Karibëtta "	76 5 35
Yënnëkal "	175 12 22	Hudedurgam Pagoda No. 2	95 9 11
Karëkal "	219 3 38	Anchëttidurga "	115 51 28
Síra Fort	225 17 2	Moruvádi "	331 15 15
Röllumabëtta Hill Mark	236 34 40	Pikili "	358 7 45
Midagëshidurga Hill Mosque	244 50 33		
Maddagiri Fort	272 7 12	<b>Rishimalai h.s.</b>	
Tarúr "	289 1 42	Sadragiri h.s.	23 30 30
		Përumálmalai "	106 5 22
<b>Rangaswámibëtta, XLIII</b>		Karumalai "	178 53 21
Rámadevarabëtta, XL	212 31 52·16	Topimalai Hill Pagoda	212 56 19
Savandurga, XLI	288 29 16·47	Madura Pagoda No. 1	320 42 28
Hutridurga Hill Mark (helio.)	292 50 5	Madura Pagoda No. 2	322 4 11
Hemagiri, XLIV	340 6 33·45	Nagamalai "	345 24 14
		<b>Sádkönda h.s.</b>	
<b>Rangaswámibëtta h.s.</b>		Kunnakönda h.s.	56 8 41
Bömmanhalli h.s.	125 59 26	Ísvaramalai "	144 4 34
Devaráyadurga "	214 45 13	Pëddaballi Fort	152 20 11
Kunigal Fort	278 42 56	Arved s.	213 18 16
Savandurga, XLI	290 0 47	Rajënmalle h.s.	242 53 20
Chikkanamangalam "	304 42 46		
Hemagiri "	341 11 21	<b>Sadragiri h.s.</b>	
Huliyúrdurga Building	343 42 26	Përiyúr, LXXXIV	18 38 50
		Përumálmalai h.s.	168 45 18
<b>Ratnagiri h.s.</b>		Kúdirmalai Hill Pagoda	180 51 57
Víramalai h.s.	7 10 10	Rishimalai "	203 28 16
Paramati "	102 0 8	Putúr Hill Pillar	217 9 37
Karúr Pagoda	105 20 49	Nagamalai "	224 48 38
Tállamalai "	163 7 42	Sikandarmalai No. 2 "	250 37 18
		Tumbichináyakan Hill Pillar	262 37 22
		Tëvankurchi "	274 20 26
		Kutipárai "	308 3 56
		Mínákshi, LXXIV†	330 23 57

\* From unadjusted triangle, vide page 74—A.

† This station appertains to the South-East Coast Series.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Saikaikōnda h.s.</b>		<b>Savandurga, XLI</b>	
Sadam Fort	5 25 44	Hemagiri	h.s. 65 58 51 426
Chelúr Fort Bastion	6 1 45	Hemagiri, XLIV	66 1 3'24 57
Guntapalli	h.s. 10 13 33	Hutridurga Stone	104 9 25 437
Chittiganpalli	" 18 29 34	Rangaswámibētta, XLIII	108 33 36'46 56
Chēnchalpatkōnda Hill Pillar	35 44 55	Rangaswámibētta	" 110 5 6 425
Kavalkōnda Hill Pillar	44 38 58	Bōmmanhalli	" 118 50 16 419
Kōppakōndarāyan Hill Pillar	69 35 42	Bairandurga Staff	146 36 17 435
Gumnāyakanpāya Hill Mark	76 52 18	Rāmenhalli Hill Pillar	153 12 51 436
Pēnnamale	" 77 54 51	Rāmadevarabētta, XL	162 48 36'38 55
Itikaldurga	" 104 32 27	Shivaganga Hill Pagoda	164 44 2 421
Somnādmalai Hill Mark	117 16 7	Devarāyadurga	" 170 15 24 418
Kadiri Hill Pagoda	188 12 48	Sítakal	" 177 11 36 1698
Gōdduvelagala	" 198 50 20	Bardi	" 199 45 42 422
Isvaramalai	" 228 50 15	Nundydroog	" 220 29 34 408
Kokkantidrug Pagoda	241 4 6	Halasúrbētta, XXXIX	232 53 12'99 55
Kotammakōnda Hill Mark	273 22 56	Tirthapalli, XLVI	258 14 16 405
Motikamamalai Hill Pagoda	281 49 7	Bangalore	s. 258 56 25 402
Kunnakōnda	" 289 23 3	Bannergatta, XLII	291 10 52'62 58
Rangasamudram Fort	312 34 18	Devarabētta	h.s. 311 51 0 404
Kōttakota Fort	322 32 25	Bānatimaribētta, XLV	346 0 14'16 66
Pēdda Tēppasamudram Fort	326 30 45	Bandhalīdurga	" 356 32 42 1761
Kandukúr Fort	334 15 58	Kabbāldurga	" 359 41 9 1768
Kōnkōntlu	" 353 37 7		
		<b>Secunderabad h.s.</b>	
<b>Salem s.</b>		Hyderabad Idgah	12 30 52 818
Kanjamalai, LXV	69 52 53	Hyderabad College	27 35 45 770
Kusamalai	h.s. 140 15 56	Hyderabad Mosque No. 1	27 45 43 772
		Hyderabad Mosque No. 2	30 47 3 774
<b>Salem Fort s.</b>		Gaganpahár	h.s. 37 52 39'63 749
Sítāneri Hill Pillar	35 17 52	Hyderabad Hill Tomb No. 1	40 16 22 778
Kanjamalai, LXV	69 32 33	Hyderabad, Naubatpahár	" 49 29 11 764
Kusamalai	h.s. 149 38 3	Secunderabad Church No. 2	63 59 28 816
		Secunderabad Tomb No. 2	69 55 22 814
<b>Sálotgi h.s.</b>		Durgapahár	" 75 35 50 764
Badadol	h.s. 245 54 46	Kishoragutta	" 244 10 45'55 749
Sindgi	" 320 44 2		
		<b>Shakapur h.s.</b>	
<b>Salparhalli h.s.</b>		Darúr, XVI	89 36 31 209
Múganāyakankote	h.s. 50 57 32	Gadvál Pagoda	93 26 27 211
Huvinkatte	s. 69 36 0	Guntapalli Hill Mark	130 13 4 212
		Tippadampalli Mosque	144 56 29 214
<b>Sampigehalli t.s.</b>		Gurumurtia	h.s. 159 39 57 208
Basavangudda	h.s. 53 57 51	Santapur Hill Stone	235 7 8 215
Bangalore Base-line N.E. End, LIII	261 51 51	Pāngal Building	264 24 55 887
Rāchēnhalli	s. 349 20 51	Yēllakōnda	" 312 23 28 208
		Pāgtúr Idgah	329 3 31 890
<b>Sankaridrug h.s.</b>		Marramungala Fort	330 29 47 892
Pālamalai, LXIV	150 19 35	Nizamkōnda Fort	350 12 48 897
Alakasamudram Pagoda	221 21 53	Sasanúr Hill Pagoda	352 5 19 900
Kanjamalai, LXV	235 26 59		
Totikaradu Hill Pillar	267 52 2	<b>Shámichēttipālaiyam s.</b>	
Alagamalai	h.s. 272 26 43	Chēnjeri	h.s. 12 58 17'6 1924
Viappamalai Hill Pagoda	286 51 9	Ēdayārpālaiyam	s. 72 47 27'6 1925
Morúr, LXVII	337 9 27	Arakulam	" 148 0 56'2 1926
		Chāvadipālaiyam	" 314 33 15'6 1924
		<b>Shevarattúr s.</b>	
		Anaikarakunnu	s. 225 26 10 1871
		Kurnád	No. 2 h.s. 263 36 22 1870
		Pōnmalai	" 332 44 17 1870

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Shevaroy No. 1 h.s.</b>		<b>Shilápalle, XLVII*</b>	
Shevaroy No. 2 h.s. 12 50 40	479	Gopanpalle Hill Pagoda	143
Morúr, LXVII 38 14 44	477	Malliga h.s. 55 36 13	143
Kanjamalai, LXV 38 15 27	478	Dúdála, XLIV* 230 15 32.08	1
Shevaroy No. 3 " 50 5 48	481	Maravalle Tree 254 12 5	145
Pálamalai, LXIV 75 28 40	477	Tadmanúr, II 262 50 44.26	6
Shevaroy Hill Mark No. 2 204 47 29	485	Göraigat, I 304 4 52.50	1
Shevaroy Hill Mark No. 1 212 49 21	484	Kupanagar Turret 319 45 9	147
Shevaroy Hills, No. 1 Rev. Survey s. 213 44 21	486	Chintalgat Hill Fort 319 47 18	144
		Kandénmarai, IV 352 23 4.17	2
<b>Shevaroy No. 2 h.s.</b>		<b>Shivansandra h.s.</b>	
Kanjamalai, LXV 44 41 18	479	Betdásanpur h.s. 26 26 26	438
Shilakaradu No. 1 h.s. 96 38 35	480	Uialdinna Mandapam s. 72 40 51	415
Shevaroy No. 3 " 180 40 35	481	Halasúrbétta, XXXIX 130 43 38	415
Shevaroy No. 1 " 192 50 30	479	Kodagurki h.s. 172 34 40	442
Shevaroy Hill Mark No. 1 198 7 36	483	Koliga " 224 29 13	416
Shevaroy Hills, No. 1 Rev. Survey s. 198 18 20	486	Malesvaram Hill 248 35 56	450
Shevaroy Hills, No. 2 Rev. Survey " 246 36 30	488	Höskote Idgah 253 56 9	440
		Kéndatti Hill Peak 255 32 33	447
<b>Shevaroy No. 3 h.s.</b>		Guraganjagurki Tree 265 0 3	445
Shevaroy No. 2 h.s. 0 40 36	481	Apsándra " 267 47 50	468
Shilakaradu No. 1 " 84 41 19	482	Chinnagara " 281 46 26	441
Shevaroy Hill Mark No. 2 216 48 52	485	Hösúr " 343 47 8	468
Shevaroy Hill Mark No. 1 220 17 36	483	Nallurhalli " 353 6 19	439
Shevaroy Hills, No. 1 Rev. Survey s. 220 52 25	487		
Shevaroy No. 1 h.s. 230 5 39	481	<b>Shorapur h.s.</b>	
Shevaroy Hills, No. 2 Rev. Survey s. 313 54 34	488	Tauga h.s. 10 55 36	1159
		Kakeri " 57 15 10	1161
<b>Shevaroy No. 4 h.s.</b>		Nagarbétta " 66 54 15	1159
Melúr h.s. 0 33 20	1788	Parmánanda Hill Pagoda 78 50 14	1204
Kanjamalai, LXV 38 25 2	1780	Salávádagi Hill Tower 82 22 0	1205
Omalúr Fort s. 65 36 55	1791	Pírapur Platform 103 24 25	1202
Mannagundapálaiyam h.s. 125 19 51	1790	Nagrúr Hill Pagoda 143 6 22	1207
Tenandamalai " 257 17 36	1781	Shorapur Fort 170 0 4	1214
Köddamalai " 351 45 34	1780	Sagár Hill Fort 199 56 5	1192
		Malkapur Hill Pagoda 217 54 33	1190
<b>Shígakal h.s.</b>		Nágargudda Hill Tower 286 30 2	1198
Kalangavi h.s. 7 18 9	1804	Devadurg Hill Pagoda 292 57 47	1209
Kötigudda Hill Pagoda 196 47 0	1861	Anjala Hill Tower No. 1 294 18 56	1195
Bistuvalli Hill Pagoda 205 19 22	1870	Anjala Hill Tower No. 2 294 36 15	1197
Guhesvar " 221 32 23	1843	Kakarkal h.s. 299 39 11	1160
Gádrigudda Hill Mark 238 51 10	1883	Jalál Building 333 2 33	1200
Jogimardi " 280 44 22	1803	Jalál " 342 24 13	1193
Hotaigudda " 323 47 55	1803		
Döddavati Hill Pillar 340 14 55	1892	<b>Shúlakarai s.</b>	
Hölkäre Pagoda 348 19 38	1402	Pérumálmalai, LXXXVIII 153 33 12	608
		Kalugumalai, LXXX 185 55 11	607
<b>Shilakaradu No. 1 h.s.</b>		Kutipárai, LXXXI 312 49 5	607
Pálamalai, LXIV 69 54 36	475		
Karadigutta, LXII 149 31 37	476	<b>Shundapanád h.s.</b>	
Shevaroy No. 3 h.s. 264 38 47	482	Aviarmalai h.s. 30 34 27	1784
Shevaroy No. 2 " 276 36 4	480	Tenandamalai " 96 49 17	1784
Karangkaradu " 302 23 2	489	Maniyapálaiyam " 139 4 34	1812
Kanjamalai, LXV 340 40 11	475	Tirthamalai " 154 3 23	1811

\* These stations appertain to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Siddanagat h.s.</b>		<b>Sirávár h.s.—(Contd.)</b>	
Gumpmál h.s. 0 2 57	274	Husainpur h.s. 79 10 10	1071
Gooty, XXV 60 39 15	272	Waddavati Hill Pagoda 93 33 30	1077
Koilkonda " 109 0 41	272	Kakarkal " 188 55 15	1070
Dhonekonda " 173 25 23	273	Gannáyakal Hill Tower 237 46 48	1072
Rámavaram " 255 51 38	1536	Kallur " 282 14 44	1070
Jagannáth Hill Pagoda 293 17 57	1536	Nir Mánvi Hill Pillar 327 8 35	1075
		Kharidigudda Hill Tower 358 6 30	1076
<b>Siddhapur h.s.</b>		<b>Sirigiri h.s.</b>	
Pédda Kurwa h.s. 112 33 2	975	Kurgod h.s. 3 7 2	1093
Gundla Brahmesvaram " 354 8 20	975	Timmapuram " 69 22 51	1134
		Hálhalli " 84 6 17	1133
<b>Sidragudda h.s.</b>		Manúr Fort 111 29 3	1185
Gardangiri No. 2 h.s. 74 5 0	1399	Kanchöngod " 185 8 32	1092
Hösdurga " 145 4 46	1399	Malesvar Hill Pagoda 213 41 14	1098
Utari-gudda " 188 29 49	1400	Bálákundi " 232 23 16	1096
Somanhalli Ranganagudda " 235 4 50	1400	Mailapuram Pagoda 237 19 27	1100
		Kanchagárabèlagal Hill Pagoda 244 25 25	1097
<b>Sikandarmalai No. 1 h.s.</b>		Hölalagundi " 253 35 46	1092
Kutipárai, LXXXI 8 29 6	600	Sindhavallam Hill Pagoda 297 20 55	1102
Pérumálmalai, LXXVIII 130 14 23	599		
Ponúrikimalai h.s. 168 0 46	599	<b>Sítakal h.s.</b>	
Madura Temple 230 10 36	602	Héggunda Hill Pagoda 18 42 0	1717
		Rámadevarabètta Pagoda 35 49 34	1718
<b>Sikandarmalai No. 2 h.s.</b>		Nijagaldurga Pillar 37 2 51	1716
Kutipárai h.s. 8 30 19	2006	Devaráyadurga h.s. 132 1 44	1716
Gopálswámi " 50 36 29	2022	Byál " 181 7 43	1696
Sadrágeri " 70 41 19	2005	Kalkote " 252 44 11	1696
Nagamalai " 133 16 23	2005	Halasúrbètta, XXXIX 295 3 36	1697
		Savandurga, XLI 357 11 20	1698
<b>Sindgi h.s.</b>		<b>Somanhalli Ranganagudda h.s.</b>	
Sálotgi h.s. 140 48 14	989	Sidragudda h.s. 55 6 55	1400
Badadol " 200 49 9	988	Utari-gudda " 148 8 46	1400
Gutargi " 258 38 32	988		
<b>Sirappanhalli h.s.</b>		<b>Somapa h.s.</b>	
Kalangavi h.s. 35 19 5	1387	Udarkal h.s. 125 54 54	1168
Umankal " 195 2 13	1386	Lakshmígudda Hill Pagoda 133 5 19	1169
Hotai-gudda " 304 2 13	1386	Nauli " 200 38 49	1168
<b>Siravanampati h.s.</b>		<b>Sugidaribètta h.s.</b>	
Coimbatore Palace 29 2 42	1992	Jetting Rámesvar Pagoda 9 52 3	1243
Éttimalai No. 2 h.s. 30 54 33	1970	Mölkálmuru Hill Turret 14 44 54	1246
Áyaswámi Hill Peak 35 38 54	1986	Jarimalai h.s. 52 28 15	1220
Pérumálmudi " 78 59 36	1971	Rámándrug " 98 0 34	1221
Kadalúrshi " 92 6 21	1989	Jambanáth " 111 15 5	1187
Kuridi Hill Peak 100 32 5	1987	Timmapuram " 135 26 42	1122
Irumbarai " 195 41 59	1969	Hálhalli " 150 42 8	1123
Ayyampálayam s. 295 55 38	1969	Kurgod " 178 28 56	1086
		Guddadur No. 1 " 213 7 19	1086
<b>Sirávár h.s.</b>		Gadēkal " 263 26 26	1037
Gavigat h.s. 27 3 0	1071	Éttinabúdihal Fort 282 12 25	1244
Timmapa " 47 39 11	1079	Havalagi Hill Pagoda 283 39 47	1238
Kálanagari Hill Tower 75 12 0	1078	Bandúr " 304 45 45	1038
		Hirēhal Fort 354 34 34	1245
		Ráyadrug " 358 5 47	1219



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Taranikal h.s.</b>		<b>Tenandamalai h.s.—(Contd.)</b>	
Gudikalbetta h.s. 148 11 36	260	Shundapanad h.s. 276 46 11	1784
Kere Bølagal, XXI 220 34 5	259	Nagalur " 322 21 15	1808
Pulikonda, XXIII 338 17 44	259	Aviarmalai " 323 44 41	1783
		Mallikarai " 354 20 10	1782
<b>Tarur h.s.</b>		<b>Tet h.s.</b>	
Muganyakankote h.s. 43 9 53	1334	Adavi Avalpalli h.s. 2 48 4	1525
Ranganhalli " 109 4 30	1328	Kunnakonda " 146 23 17	1526
Sira Fort 142 46 31	1331	Tumakonda " 253 0 49	1525
Karøkal " 183 13 52	1328	Chinna Tøppasamudram Pagoda 260 46 58	1527
Chuargiridurga Stone 193 36 11	1333		
Røllabetta Hill Mark 199 43 12	1332		
Midagøshidurga Hill Mosque 215 30 45	1330		
Maddagiri Fort 253 12 23	1329		
<b>Tatakamalai h.s.</b>		<b>Tevankurchi h.s.</b>	
Nagarkoil Longitude s. 31 47 28	2074	Gopalswami h.s. 27 51 23	2023
Manpøttai, XCIV 272 58 55	2072	Kaulikatån " 29 37 24	2036
Thovalamalai h.s. 322 14 29	2072	Srivilliputur Pagoda 42 53 21	2037
		Sadragiri " 94 22 4	2024
		Tumbichinayakan Hill Pillar 109 49 19	2032
		Kudirmalai Hill Pagoda 142 43 33	2028
		Putur Hill Pillar 175 2 36	2030
		Nagamalai " 200 4 2	2024
		Madura Pagoda No. 1 235 36 18	2026
		Kutiparai " 325 13 39	2023
<b>Tatiparti h.s.</b>		<b>Thittamalai, LXXI</b>	
Dunavaram h.s. 104 32 50	952	Thittamalai Hill Temple 10 24 50	523
Guttapalle " 121 45 17	948	Koribetta h.s. 90 53 7	521
Gudur Chennarayangutta Hill Pagoda 149 40 21	953	Irumbarai " 93 44 58	1982
Køppakonda Hill Mark 200 56 15	962	Mandileru " 98 41 10	511
Malkapur h.s. 220 58 56	948	Kavalipalayam Pagoda 105 5 14	1985
Zapalle Hill Mark 230 46 9	964	Nagamalai Hill Temple 119 8 5	520
Arutla Hill Mark 243 18 44	966	Satyamangalam Pagoda 144 40 38	1983
Uppalagutta " 259 27 40	949	Satyamangalam Fort 146 14 54	1777
Surikonda " 318 3 46	962	Kumarapalayam Hill Pagoda 146 54 6	1984
		Kambatirayan " 161 2 5	1766
<b>Tauga h.s.</b>		Gopichettipalayam Hill Temple 220 45 34	516
Kotekal h.s. 5 2 31	1148	Komalkaradu, LXVIII 239 11 39'36	95
Mudgal Hill Masjid 50 4 57	1150	Urachimalai " 248 25 48	1766
Nagarbetta " 97 59 23	1148	Chennimalai Hill Temple No. 2 309 12 18	550
Rayanpalle Fort 114 52 23	1156	Chennimalai Hill Temple No. 1 309 20 55	548
Salavadagi Hill Tower 127 29 39	1205	Chennimalai, LXIX 309 45 12'62	95
Kannagondahalli Hill Pagoda 140 1 1	1212	Arasanamalai Hill Temple No. 2 313 31 0	543
Hunshigi Hill Tree 143 34 38	1152	Arasanamalai " 313 31 21	1982
Kakeri " 151 32 23	1161	Arasanamalai Hill Temple No. 1 313 32 0	542
Parmånanda Hill Pagoda 159 52 20	1203	Uttukuli Hill Temple 332 22 51	547
Nagrur Hill Pagoda 169 30 22	1208	Alagumalai, LXXIII 346 22 30'95	96
Bunkaldøddi Hill Pagoda 176 22 12	1185	Alagumalai " 346 23 59	1964
Wagangiri Hill Fort 178 41 23	1187	Alagumalai Hill Temple 346 25 6	540
Shorapur Fort 188 25 10	1213		
Shorapur " 190 54 42	1159		
Sagar Hill Fort " 194 48 45	1191		
Malkapur Hill Pagoda 196 38 28	1189		
Jalal " 211 20 16	1194		
Jalal Hill Peak " 218 3 6	1201		
Kakarkal " 251 21 24	1149		
<b>Tenandamalai h.s.</b>		<b>Thoiyarmalai h.s.</b>	
Køddamalai h.s. 32 10 42	1781	Ponkonal s. 38 47 35	1888
Shevaroy No. 4 " 77 20 40	1781	Quilon Flag-staff 58 26 47	1890
Tirthamalai " 211 35 43	1810	Kondurai " 87 45 38	1889
Maniyapalayam " 266 31 5	1812	Udaiyarmalai h.s. 176 8 50	1887
		Malailmalai " 305 23 54	1887



Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Thovalamalai h.s.</b>		<b>Tiruchendúr, LXXXIX</b>	
Amritwamalai h.s. 14 44 20	2073	Manapád Church 27 22 20	725
Chapel No. 3 40 3 50	2080	Odangudi Church 57 4 5	719
Chapel No. 2 46 27 1	2079	Ittamöli, XC 63 44 38·06	120
Chapel No. 1 57 11 13	2078	Menánapuram Church 79 48 24	700
Kadiapatnam Light-house 67 30 43	2077	Valanád, LXXXVII 131 46 16·81	119
Nágarköil Longitude s. 78 4 44	2074	Pulláváli, LXXXVIII 184 38 49·47	119
Tatakamalai h.s. 142 14 53	2072		
Manpöttai, XCIV 221 1 45	2071	<b>Tirumaldávar h.s.</b>	
Rádhápuram, XCII 247 2 7	2070	Köndapalli, XXXI 174 32 59	301
Kudankulam, XCV 283 15 1	2070	Tumchérta Fort 197 25 24	305
Cape Comorin s. 350 34 34	2076	Devarakönda No. 1 h.s. 221 26 56	300
		Urakönda, XXXII 309 29 0	300
<b>Timmapa h.s.</b>		<b>Tirumankaradu, LXXII</b>	
Kavital Hill Dargah 153 16 32	1084	Paruttimalai, LXXIV h.s. 15 16 22·48	97
Husainpur h.s. 165 22 18	1079	Udiyúr 57 52 26	1952
Parmánanda " 209 59 8	1081	Papiréddipálayam Hill Temple 76 12 43	1952
Sirávár " 227 36 16	1079	Alagumalai Hill Temple 100 10 28	589
Gavigat " 256 8 34	1080	Alagumalai, LXXIII 100 11 37·47	94
<b>Timmapuram h.s.</b>		Chénnimalai, LXIX 158 3 42·08	93
Jambanáth h.s. 48 11 40	1137	Chénnimalai Hill Temple No. 2 159 16 38	551
Yamigudda Hill Peak 125 30 0	1167	Yéttimalai, LXX 243 25 7·52	93
Udarkal " 138 39 19	1138	Paramati Hill Temple 269 50 30	537
Gangávati " 151 49 10	1143	Rangamalai, LXXVII 322 14 51·72	98
Nauli " 168 31 1	1141	Kondringi Hill Peak 348 1 1	552
Rádakönda " 210 34 52	1139		
Kampli Fort 212 57 2	1132	<b>Tönsalgutta s.</b>	
Hálhalli " 221 20 11	1123	Köttapalle, XV 131 48 56	182
Néllúdi " 245 39 50	1125	Impagat, XIII 189 49 58	182
Sirigiri " 249 18 35	1134	Darúr, XVI 314 23 13	183
Kurgod " 269 9 28	1122		
Devasamudram Hill Pillar 272 1 44	1128	<b>Topaldöddi h.s.</b>	
Javuk Pagoda 282 56 4	1130	Rámapa Hill Tower 255 10 35	1067
Sugidaribétta " 315 22 18	1122	Husainpur h.s. 345 40 25	1067
<b>Tirthamalai h.s.</b>		<b>Topkönda, III</b>	
Tenandamalai h.s. 31 37 22	1810	Yéllakönda Hill Pagoda 23 42 37	786
Shundapanád " 334 1 56	1811	Anantagiri, VI 45 47 1·87	11
Aviarmalai " 357 41 55	1810	Möthakapalle, V 73 57 21·50	10
<b>Tirthapalli, XLVI</b>		Kotamaripalle h.s. 89 21 54	161
Hösúr, L 8 31 27·78	60	Göraigat, I 123 47 50·40	8
Devarabétta h.s. 31 39 51	405	Sadáshivpet Bungalow (helio.) 136 23 45	166
Bannergatta, XLII 53 17 13·09	59	Dúdála, XLIV† 156 19 3·56	8
Turukungutta, LI 69 52 33·35	74	Tadmanúr, II 161 10 19·57	9
Bangalore Church No. 2 75 24 34	459	Sandúr Building 184 30 33	754
Savandurga, XLI 78 22 17	405	Sangaréddipet Building 187 28 46	158
Bangalore Church No. 1 79 48 46	457	Suldapur h.s. 199 55 36·52	742
Mandúr, LIV 105 59 49·53	75	Rámesvarambanda Mosque 256 42 47	757
Halasúrbétta, XXXIX 114 55 45·07	59	Patanchéru Dargah 263 51 6	755
Kundana h.s. 131 4 9	411	Lachhmanpur " 265 21 27·48	743
Nundydroog " 149 11 2	407	Umdiapur Hill Pagoda 267 49 8	785
Nundydroog Hill Mark (helio.) 149 14 37	456	Golconda Fort (helio.) 291 52 32	765
Nandigudi, XLVII 183 8 49·63	77	Golconda Hill Mosque 292 4 31	759
Rahmanghar " 200 42 48	406	Babu Sáhib Hill Dargah 302 14 30	760
Kolár, XLVIII 242 19 58·27	65	Chebala " 341 51 10·47	744
Bhúpatamma, XLIX 281 51 18·92	64		
Yérrakönda, XX* 293 48 41	406		
Ankisgiridrug " 332 4 45	409		

\* This station appertains to the Madras Longitudinal Series.

† This station appertains to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Trichinopoly, Panmalai h.s.</b>		<b>Turukungutta, LI</b>	
Víramalai Hill Pagoda	2065	Bangalore Base-line S. End s. 36 37 15	461
Víramalai h.s. 42 59 16	2047	Bannergatta, XLII 39 1 40' 44	61
Tiruvéngimalai Hill Pagoda 122 9 4	2067	Bangalore Base-line S. W. End, LII 105 38 20' 17	62
Tállamalai " 127 33 9	2047	Bangalore Base-line N. End s. 123 5 8	463
Pagalavádi " 160 20 53	2048	Bangalore Base-line N. E. End, LIII 151 51 43' 88	63
<b>Tsamalagudúr s.</b>		Mandúr, LIV 190 50 9' 48	75
Gudikalbétta h.s. 54 52 50	907	Tirthapalli, XLVI 249 50 11' 34	74
Inagandla Fort 274 36 50	908	Hösúr, L 333 27 8' 79	61
Chanugundla s. 312 40 29	907	<b>Udaiyúrmalai h.s.</b>	
<b>Tsanugundla h.s.</b>		Quilon Flag-staff 22 39 28	1890
Koilkönda h.s. 62 9 15	278	Néddikunnu h.s. 173 21 23	1831
Pattikönda s. 98 39 20	279	Ammúrthamolemalai " 210 35 21	1831
Pulikönda, XXIII 137 4 22	278	Nedampárai " 295 14 32	1832
<b>Tuagat h.s.</b>		Málailmalai " 340 52 5	1833
Maliabad, XIX 82 15 17	344	Thoiyarmalai " 356 8 41	1887
Darúr, XVI 234 30 38	343	<b>Udarkal h.s.</b>	
Kére Bélagal, XXI 342 43 16	343	Guddadur No. 2 h.s. 173 42 16	1145
<b>Tumakönda h.s.</b>		Tavúrgiri Hill 210 3 15	1182
Chinna Téppasamudram Pagoda 25 39 23	1527	Nauli " 257 5 57	1141
Adavi Ávalpalli h.s. 40 48 50	1429	Rádakönda " 260 0 3	1189
Sunnakal " 53 46 37	1521	Lakshmígudda Hill Pagoda 293 32 46	1170
Mudimadagu Hill Platform 59 33 39	1515	Somapa " 305 52 52	1168
Metamári Hill Platform 61 35 20	1528	Gangávati " 314 6 1	1144
Tét " 73 3 14	1525	Timmapuram " 318 35 47	1138
Yönnégamalai Hill Mark 82 47 39	1523	Jambanáth " 344 40 24	1138
Gatdrug " 85 31 9	1514	<b>Udarpidurga, XXVII</b>	
Pulikönda " 106 33 35	1517	Rámapakönda Hill Pagoda 32 29 40	376
Kunnakönda " 112 12 10	1428	Devádélabétta, XXX 38 10 31' 76	43
Yérrakönda Hill Platform 157 6 11	1512	Devádélabétta h.s. 38 14 19	1225
Kúchbanda Hill Platform 164 14 53	1610	Kalyánderug Hill Mark No. 1 39 53 4	371
Gurramkönda " 186 21 54	1511	Ráyadrug " 75 31 41	1218
Rajénmalle " 188 11 50	1428	Yérragunta " 86 11 24	369
<b>Tumengutta h.s.</b>		Nimbágal s. 103 9 29	368
Palchagutta h.s. 22 9 15	830	Hönnúr, XXIX 110 55 58' 30	42
Yérragutta No. 1 " 78 14 14	829	Bandúr h.s. 111 19 36	365
Néllikudru " 89 30 3	870	Bellary Hill Fort (helio.) 126 56 34	361
Níálamari " 102 2 31	867	Chikalgurki s. 134 34 4	362
Nágol Hill Turret 104 27 13	881	Búdagávi Hill Mark 141 58 2	387
Rákönda Mandapam 121 58 42	873	Uravakönda Hill Mark 143 38 28	389
Bádapalle " 130 17 45	828	Gadékal h.s. 160 34 9	269
Rámagiri Hill Pagoda 140 54 20	872	Gadékal, XXVI 160 35 20' 54	37
Ulpárai Fort 176 38 57	970	Chayabala Hill Pillar 161 52 41	386
Maishagutta " 181 12 42	828	Boglemárkönda " 211 22 48	284
Ganganpalle Hill Mark 234 26 45	969	Tellagudda Hill Platform 212 2 15	303
Munnanúr " 279 16 34	968	Gooty, XXV 226 30 0' 98	37
Köndanágula Hill Pagoda 335 13 38	875	Pamidi " 240 8 7	282
<b>Tummalamalai h.s.</b>		Shidampet Hill Pillar 289 27 2	298
Amgundpálayam h.s. 50 1 12	1621	Devarakönda No. 1 " 297 47 22	294
Devarakönda No. 3 " 212 44 21	1622	Devarakönda, XXVIII 297 48 58' 40	38
Patnam Fort 241 50 32	1624	Köndapalli, XXXI 349 13 28' 34	39
Gödduvelagala " 273 38 48	1621	<b>Udiyúr h.s.</b>	
		Aivaremalai Hill Building 14 23 41	2018
		Köllupálayam, LXXV 46 13 1' 9	1920
		Chénjeri h.s. 80 3 6	2015

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Udiyúr h.s.—(Contd.)</b>		<b>Urakönda, XXXII</b>	
Kallimedu s. 96 6 8·9	1921	Pënuökönda Hill Fort (helio.) h.s. 6 8 19	384
Alagumalai h.s. 148 9 16	1965	Pënuökönda 6 15 33	307
Alagumalai, LXXIII 148 12 16·7	1919	Sháhdruk Fort 45 10 46	378
Sivamalai Hill Pagoda 187 14 24	1977	Mushtakoil Fort 59 46 24	309
Chënnimalai Hill Pagoda 194 40 2	1979	Pávagada, XXXIII 63 53 43·24	41
Papirëddipálayam Hill Temple 202 9 28	1951	Rácharlu " 82 50 57	304
Kanapálayam s. 218 6 34·0	1919	Kámankönda Hill Mark 87 38 55	1295
Pachapálayam " 223 6 23·3	1939	Tirumaldávar " 129 31 52	300
Tirumankaradu, LXXII 237 50 48	1952	Köndapalli, XXXI 143 28 26·36	40
Kátpálayam " 249 38 57·3	1935	Töppadurti Hill Pagoda 158 20 3	379
Nádkáni h.s. 262 18 47	1953	Devarakönda, XXVIII 185 31 38·70	40
Muttukoil " 311 48 22	2009	Devarakönda No. 1 " 185 32 25	295
Virajimangalam Pagoda 341 47 40	2012	Parva Devarapilli Hill Pagoda " 186 48 52	380
Dhárápúram s. 354 26 0	2014	Ávuladevarakönda " 201 5 31·8	1403
		Piadádindikönda Hill Peak 212 22 15	1414
		Dharmavaram Palace (helio.) 217 40 47	375
		Nágasamudram Fort 227 24 51	1417
<b>Uialdinna Mandapam s.</b>		Dampetla " 239 10 48	1435
Bannergatta, XLII 2 7 11	412	Kunnamúkala Fort 253 22 41	1416
Bangalore Palace 9 10 30	431	Döddiavulamalai Hill Mark 258 39 34	1443
Bangalore h.s. 15 7 50	430	Malaikönda Hill Mark 263 6 41	1454
Herohalli s. 82 13 5	429	Mallappakönda " 273 8 41·8	1405
Bánávar h.s. 126 40 30	414	Bukkapatnam Palace 288 14 53	1637
Bangalore Base-line S.W. End, LII 141 1 43	413	Innáglúr, XXXV 296 2 4·51	51
Halasúrbëtta, XXXIX 193 34 26	412	Köttachëru Fort 296 2 47	1636
Kodagurki h.s. 203 18 36	444	Mallemkönda " 313 25 17	1630
Koliga " 240 14 55	417	Yërrakönda, XXXIV 352 55 17·02	46
Shivansandra " 252 38 43	415		
Betdásanpur " 345 20 8	438		
		<b>Urakönda h.s.</b>	
<b>Umankal h.s.</b>		Chikkapalli h.s. 95 43 42	1662
Sirappanhalli h.s. 14 2 43	1386	Chilikalnerpu Fort 219 56 50	1668
Kalangavi " 26 57 1	1385	Könköntlu " 260 4 2	1662
Jogimardi " 277 11 22	1384	Iragampalli Fort 288 7 50	1664
Hotaigudda " 346 20 38	1384		
		<b>Uratmalai h.s.</b>	
<b>Undaveli s.</b>		Adacheri h.s. 26 36 49	1868
Këre Bëlagal, XXI 67 18 31	1018	Kotakunnu s. 107 32 41	1860
Pudúr h.s. 310 25 6	1019	Calicut Light-house 124 38 28	1846
Kurnool Flag-staff 339 9 20	1024	Calicut Flag-staff 124 57 31	1861
Kurnool Dargah 341 1 25	1026	Pukunnu " 129 37 8·4	1815
Kurnool House No. 1 (helio.) 343 51 31	1021	Walliattúr h.s. 145 57 37	1859
Kurnool Building (helio.) 346 6 28	1028	Chekkunnu " 207 4 37·5	1815
Jagannáth No. 2 " 351 30 54	1018	Koangamalai Hill Mark 221 34 37	1858
		Pandalúr " 282 56 10	1857
<b>Uppalagutta h.s.</b>		Pránakod No. 1 " 291 10 7·5	1816
Tátiparti h.s. 79 33 36	949	Kodúrkunnu Hill Mark " 322 49 28	1857
Malkapur " 150 37 17	949	Kurnád No. 1 " 342 53 43·5	1817
		<b>Urugamalai, LXVI</b>	
<b>Uráchimalai h.s.</b>		Koribëtta h.s. 63 3 13	521
Chënnimalai, LXIX 17 45 59	1767	Mandileru " 66 30 52	511
Thittamalai, LXXI 68 29 49	1766	Kodaná " 76 3 49	513
Kambatiráyan h.s. 105 33 43	1765	Bodamalai, LXIII 214 10 29·41	89
Pálamalai " 191 38 7	1765	Pálamalai, LXIV 258 42 29·58	89
Yërramangalam Hill Pagoda 322 1 15	1947	Uráchimalai Hill Temple 292 30 42	503
Erode s. 345 39 59	1949	Bhaváni Temple 298 41 13	517
Yëlmátúr h.s. 348 9 4	1948	Komálkaradu, LXVIII 321 46 9·83	90

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Utarigudda h.s.</b>		<b>Valasapalli h.s.</b>	
Sidragudda h.s. 8 30 24	1400	Anaimalai h.s. 1 22 19	1585
Bevinhalli Hill Pagoda 105 41 16	1390	Uppulúr Hill Platform 71 31 19	1589
Kotakal No. 2 Hill Pillar 120 2 6	1389	Wámkõnda " 96 54 40	1587
Hotaigudda " 132 38 17	1302	Kálamalla Hill Platform 149 6 38	1591
Jogimardi " 162 55 23	1301	Pushpagiri " 274 30 27	1585
Karëddigudda No. 2 " 171 10 37	1373		
Pálavanhalli " 178 51 52	1351	<b>Vandádi h.s.</b>	
Hiriyúr Pagoda 218 52 15	1379	Ísvaramalai h.s. 94 23 10	1496
Yënnëkal " 234 48 59	1301	Rájupalli " 135 24 31	1498
Döddakurkimaradi " 250 30 26	1371	Kumáarakalva s. 143 44 9	1500
Rangapurgudda Platform 252 8 7	1381	Nëlkurti h.s. 172 34 51	1496
Ranganhalli " 294 49 12	1326		
Somanhalli Ranganagudda " 328 7 16	1400		
		<b>Varalkõnda h.s.</b>	
<b>Úttukuli h.s.</b>		Kavuranhalli h.s. 20 36 24	1709
Alagumalai h.s. 2 50 16	1980	Náráyanhalli Hill Pillar 45 59 33	1713
Vijayápurí Pagoda 217 50 16	1981	Ávalkõnda Hill Peak 60 11 23	1712
Arasanamalai " 248 17 46	1980	Gudibanda " 117 26 57	1709
		Yërrakõnda, XXXIV 156 0 42	1642
<b>Vaddikëre s.</b>		Kudikõnda Hill Stone 179 58 52	1711
Karëddigudda No. 2 h.s. 65 51 47	1376	Itikalurga " 201 46 5	1642
Yënnëkal " 293 51 18	1377	Yëllampalli Fort 209 40 50	1644
Döddakurkimaradi " 346 35 36	1376	Mittëmári Fort 240 46 12	1645
		Chikkapalli " 301 24 17	1643
<b>Valanád, LXXXVII</b>		<b>Velamalai h.s.</b>	
Ittamöli, XC 0 36 17.68	117	Cochin Flag-staff 110 40 7	1885
Ittamöli No. 1 s. 2 8 53	702	Yërrandamalai s. 139 26 41	1827
Nánguneri Pagoda 45 26 53	710	Malliattúr h.s. 173 45 35	1827
Kanimárpöttai, XCI 51 33 26.86	116	Kodayattúr " 281 5 46	1828
Sámikuchimalai Hill Peak 61 56 37	663	Nëddikunnu " 342 48 29	1829
Kolanduamalai Hill Peak 70 41 47	650		
Rëttiyápati Hill Mark 70 55 41	676	<b>Vëllármalai h.s.</b>	
Kunnattúr h.s. 85 19 56	666	Munimalai h.s. 44 42 9	1744
Palamcottah Temple 93 51 30	698	Arúr Fort 299 18 2	1746
Tinnevelly Temple 94 10 44	693	Arúr " 301 45 45	1743
Palamcottah Church 94 31 52	695	Dialmalai " 352 22 27	1743
Pallangkota " 109 24 18	665		
Melpatnam Hill Temple 111 16 41	659	<b>Vëllikõnda h.s.</b>	
Kutaitatti, LXXXVI 116 37 26.37	115	Gödduvelagala h.s. 21 59 24	1471
Tálayút " 122 22 24	667	Talupula s. 28 32 0	1478
Kaidár Temple 154 48 15	678	Kannikallakõnda h.s. 46 49 44	1473
Puluwodaiyár Hill Pagoda 155 57 55	674	Kurli Fort 86 51 7	1485
Ilavelankulam Hill Temple 180 46 8	679	Pípád " 116 47 5	1471
Kulayanallúr, LXXXV 204 18 29.92	115	Pulivëndla Pagoda 153 52 5	1481
Ótapidáram Pagoda s. 214 3 13	691	Pulivëndla Fort 161 21 40	1482
Tuticorin Chimney No. 1 250 25 37	681	Yërrakõnda " 190 33 55	1472
Tuticorin Convent 251 1 33	685	Midipëntla Fort 214 36 26	1484
Tuticorin Port Flag-staff 252 2 45	686	Pálagiri Turret 222 31 2	1483
Tuticorin Church 252 27 41	724	Vepamánipet Turret 300 50 24	1575
Tuticorin Flag-staff 252 29 39	690	Bandlapallikõnda Hill Pillar 354 9 7	1475
Tuticorin Chimney No. 2 252 55 8	688		
Tuticorin Light-house 256 47 11	689	<b>Vijayápati, XCIII</b>	
Pulláváli, LXXXVIII 271 30 10.93	118	Kudankulam, XCV 70 53 37.27	123
Pinnakáyal Church 289 32 51	723	Rádhápuram, XCII 137 29 37.19	122
Tiruchëndúr, LXXXIX 311 44 5.15	119	Ánaikarai Church 188 50 59	731
Tiruchëndúr Temple 311 52 5	717	Ittamöli, XC 211 34 17.85	122
Manapád Church 332 16 56	726		
Odangudi Church 333 32 53	719		
Menánapuram Church 335 6 12	700		
Srívaikuntham Temple 342 55 28	699		

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Víralgolhalli h.s.</b>		<b>Yadulagutta h.s.</b>	
Mákalidurga h.s. 0 1 "	1707	Tanagal h.s. 27 49 29	933
Kalavardurga " 4 33 48	1707	Rávalchêru " 75 39 0	938
Rangaswámi Hill Pagoda " 314 13 58	1708	Darúr, XVI " 103 24 27	934
		Yéllakönda " 293 18 28	933
<b>Víramalai h.s.</b>		<b>Yéllakönda h.s.</b>	
Topimalai Hill Pagoda 62 37 52	2043	Gúndiparla h.s. 1 2 58	919
Rangamalai, LXXVII 81 48 32	2044	Kurnool Fort " 9 15 24	910
Kuradampárai Hill Pagoda 82 44 58	2058	Jagannáth No. 1 " 10 21 50	833
Paramati h.s. 121 11 23	2043	Págtúr Fort " 28 54 20	894
Tállamalai " 173 48 40	2045	Págtúr Idgah " 36 5 55	890
Ratnagiri " 187 9 56	2061	Chanugundla s. 40 26 51	903
Togamalai Hill Pillar 251 11 16	2059	Marramungala Fort 44 35 29	892
Trichinopoly, Panmalai " 258 40 40	2047	Rájavali Pagoda 53 47 49	945
		Kére Bèlagal, XXI 55 52 5	834
<b>Vomëkönda, VII</b>		Vadapalli Hill Platform 59 36 17	923
Akampalle h.s. 4 12 9	152	Tanagal h.s. 72 47 12	927
Ganapur, X 68 14 46.31	14	Sasanúr Hill Pagoda 102 23 35	899
Kandëmarai, IV 219 13 31.96	4	Darúr, XVI " 109 10 36	207
Möthakapalle, V 258 11 12.51	4	Bölligutta Tippa " 112 25 2	930
Anantagiri, VI 280 11 24.11	5	Anantapur " 113 7 18	935
Devanúr s. 336 58 0	150	Yadulagutta " 113 22 31	933
Linganapalle h.s. 337 48 5	154	Nizamkönda Fort 116 40 15	897
Kodangal, VIII 349 49 13.91	13	Anantapur Hill Pagoda 117 40 27	926
		Aivárpalli " 122 29 9	888
<b>Walliattúr h.s.</b>		Shakapur " 132 26 14	208
Kotakunnu s. 59 11 9	1860	Tippadampalli Mosque 135 50 23	213
Calicut Flag-staff 110 25 48	1862	Gurumurtia " 146 36 58	207
Palkunnu h.s. 150 15 19	1864	Srírangapur Hill Pagoda 160 46 12	901
Kannangod Hill Mark 189 15 26	1865	Santapur Hill Stone 168 49 18	215
Koangamalai Hill Mark 274 56 37	1859	Yérragutta No. 1 " 188 9 45	832
Urattmalai " 325 56 48	1859	Pángal Building 192 42 15	886
Adacheri " 358 53 37	1869	Etamkönda Hill Pagoda 231 15 32	884
		Pangadigutta Hill Mark 248 59 56	895
<b>Wámkönda h.s.</b>		Pédda Kurwa " 280 2 27	832
Uppulúr Hill Platform 35 54 26	1588	Sangamesvaram Hill Pagoda 283 54 48	922
Chintágunta h.s. 132 49 48	1593	Véllala Pagoda 288 17 52	902
Kálamalla Hill Platform 191 9 44	1591	Moravakönda Fort 293 49 38	921
Pröddutúr Pagoda 221 51 47	1590	Kudellisangam Pagoda 307 44 46	920
Lankamalai " 265 15 10	1586	Sultánpur Hill Pagoda 342 37 51	916
Valasapalli " 276 53 25	1587		
Anaimalai " 336 7 52	1586	<b>Yélmattúr h.s.</b>	
<b>Waumalai h.s.</b>		Kátpálaiyam s. 14 56 18	1944
Alatúr h.s. 82 12 25	1975	Chënnimalai, LXIX h.s. 74 38 4	1943
Ayyamappamalai " 146 1 14	1974	Uráchimalai " 168 9 38	1943
Karimalai No. 2 " 181 0 53	1973	Totikaradu Hill Pillar 219 27 44	2051
Éttimalai No. 2 " 221 44 11	1973	Yérramangalam Hill Pagoda 228 4 48	1948
Anaimalai Hills, Peak No. 7 299 18 24	1994	Arnagiri Hill Pagoda 252 24 27	2052
		Tállamalai " 282 12 12	2049
<b>Yadavapuram s.</b>		Kávalamalai Hill Stone 286 9 21	2053
Chintákömmadinne Hill Platform 0 10 56	1608	Púgalúr Hill Pagoda 297 9 51*	2056
Rámapuram s. 61 45 40	1608	Paramati " 322 56 34	1946
Pushpagiri h.s. 181 10 13	1603		
Takkol Hill Peak 285 23 8	1604	<b>Yënnëkal h.s.</b>	
Cuddapah Mosque 297 59 9	1607	Döddakurkimaradi h.s. 42 59 12	1872
		Rangapurugudda Platform 47 53 47	1380
		Utariugudda " 54 53 23	1301
		Hiriyúr Pagoda 68 52 41	1878
		Birankalugudda Hill Platform 97 17 4	1852

\* From unadjusted triangle, vide page 122—A.

Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance	Name of Station with Azimuths of surrounding Points	No. of Triangle giving Distance
<b>Yënnëkal h.s.—(Contd.)</b>		<b>Yërrakönda, XXXIV—(Contd.)</b>	
Jogimardi h.s. 109 53 54	1300	Pávagada, XXXIII 117 23 21·85	46
Vaddikëre s. 113 54 20	1377	Pënukönda h.s. 157 21 44	308
Nannivála h.s. 144 54 57	1345	Pënukönda Hill Fort (helio.) 158 37 38	388
Talak " 167 8 46	1299	Urakönda, XXXII 172 55 55·64	46
Kondarpidurga " 218 29 7	1299	Mallappakönda " 205 58 4	1611
Nidugal " 242 26 31	1320	Amgundpálaiyam " 231 0 4	1619
Pailbanda Pagoda 262 26 52	1337	Innáglúr, XXXV 253 11 42·87	51
Sankaralingam Pagoda 262 56 4	1335	Itikaldurga " 273 4 24	1612
Gudibanda Hill Turret 278 8 28	1336	Pënnamale " 296 23 24	1677
Karëkal " 291 57 27	1319	Ambájidurga, XXXVI 325 35 12·92	52
Ranganhalli " 355 11 53	1325	Chikkapalli " 328 46 57	1614
		Varalkönda " 335 58 53	1642
<b>Yërragunta h.s.</b>		<b>Yërrakönda, XX*</b>	
Gadëkal, XXVI 219 41 34	370	Ankisgiridrug h.s. 44 3 4	410
Udarpidurga, XXVII 266 5 42	369	Tirthapalli, XLVI 113 53 56	406
Devádëlabëtta, XXX 328 26 13	369	Rahmanghar " 151 25 19	406
<b>Yërragutta No. 1 h.s.</b>		<b>Yërrakönda h.s.</b>	
Yëllakönda h.s. 8 10 20	832	Vëllikönda h.s. 10 34 45	1472
Srirangapur Hill Pagoda 31 57 22	901	Vulimela Hill Pagoda 31 36 0	1466
Sasanúr Hill Pagoda 41 12 22	899	Pípád " 33 41 57·0	1408
Nizamkönda Fort 48 27 15	898	Pulivëndla Temple (helio.) 36 4 5	1419
Gurumurtia " 115 31 42	878	Páikönda No. 2 " 76 8 55	1466
Wanparti Fort 130 24 37	883	Páikönda No. 1 " 76 9 50·6	1408
Yëllatúr Fort 133 0 32	879	Mallela Mark (helio.) 155 56 4	1420
Niálamari " 178 32 29	868	Chinna Chëppalli " 276 0 47·3	1410
Bádapalle " 181 0 24	829	Nandimandalam " 316 30 38·4	1409
Nágol Hill Turret 230 9 56	880	Möpur " 337 40 29	1584
Tumengutta " 258 6 52	829		
Palchagutta " 281 25 32	830	<b>Yërrandamalai s.</b>	
Pangadigutta Hill Mark 297 49 40	895	Chëndamangalam Synagogue 61 59 54	1883
Etamkönda Hill Pagoda 302 22 55	884	Poiyakota s. 138 15 11	1881
Pëdda Kurwa " 312 11 36	831	Elamkunnu h.s. 170 23 22	1825
		Bagvádi Gateway 190 32 13	1880
<b>Yërragutta No. 2 h.s.</b>		Pundimúdi Hill Mark 228 42 24	1825
Bandikunta Hill Peak 83 37 16	943	Malliattúr " 261 31 7	1826
Induvási h.s. 108 31 16	942	Velamalai " 319 23 44	1827
Rávalchëru " 219 7 56	942		
<b>Yërrakönda, XXXIV</b>		<b>Yëttimalai, LXX</b>	
Kalkote h.s. 5 44 9	1695	Tirumankaradu, LXXII 63 27 14·14	93
Mákalidurga " 16 51 20	1702	Pachapálaiyam s. 72 29 9·8	1938
Mákalidurga, XXXVIII 16 54 48·30	48	Pachapálaiyam Temple 79 2 20	536
Channaráydurga Hill Peak 53 38 16	1700	Chënnimalai, LXIX 109 49 25·42	92
Byál " 54 2 37	1694	Yëlmatúr Hill Temple 145 2 59	529
Dódnírmanga, XXXVII 57 41 46·21	47	Morúr, LXVII 187 21 16·50	92
Hindupur Temple (helio.) 58 48 26	396	Arnagiri Hill Temple 200 37 36	527
Maddagiri Fort (helio.) 59 4 42	398	Nainarmalai Hill Temple 234 8 7	509
Midagëshidurga Hill Mark (helio.) 79 18 58	394	Námakaldrug Building 243 31 25	532
Madakasára Hill Mark (helio.) 94 21 38	392	Köllimalai Hill Peak 250 37 53	530
Bömamasandra s. 114 43 21	1699	Púgalúr Hill Temple 266 41 43	534
		Paramati Hill Temple 320 2 10	538

\* This station appertains to the Madras Longitudinal Series.

## GREAT ARC MERIDIONAL SERIES—SECTION 8° TO 18°.

## CO-ORDINATES AND DESCRIPTIONS OF ALL STATIONS AND POINTS.

The following table gives the co-ordinates of all stations and other fixed points, arranged in alphabetical order, also the descriptions of the secondary and intersected (or unvisited) points, and references to the preceding pages where the descriptions of the principal stations are given.

NOTE.—Principal stations are followed by the Roman numerals I, II, &c., and secondary stations by the letters h.s., s. and t.s. Stations and points fixed by Colonel Lambton's triangulation have his nomenclature given in italics, immediately below their names. The year or season when a station or point was originally fixed is given usually after its description.

For visited stations and points of superior accuracy, the values of latitude and longitude are given to two places of decimals, for well determined objects to one place, and for the remaining points to the nearest second.

The trigonometrical heights are given to the nearest foot, and the spirit-levelled heights to two places of decimals. Where trigonometrical heights were not forthcoming, but values were found in the Topographical Survey maps and other records, these values have been reduced to the same terms as the trigonometrical heights and enclosed in brackets, thus [4518]; the surface to which they refer may be assumed to be the ground level. The surfaces to which the spirit-levelled heights refer, as well as those of other heights when forthcoming in the field books, are specified in footnotes: otherwise these latter may be assumed to refer to the upper surface of the pillar or platform, or to the mark engraved on buildings, &c. The upper numeral gives the height of the station or point above mean sea-level, and the lower that of the structure itself above ground level not including the rectangular protecting pillar. The heights of certain stations and points will be found to differ from those previously published in other volumes, owing to connections of stations with new lines of spirit-levelling.

The numerals in the last column indicate the triangles given on pages 29—4. to 123—4., by which the station or point has been fixed; when these numerals are omitted it is to be understood that no triangles are given.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Abdullapuram Hill Platform ... <i>Abdalapoor H.</i>	Kurnool (Karnúl)	On the S.E. extremity of a small flat-topped hill about 1½ miles S.W. of the village of this name, and 3½ miles W. of Tállamadugu village: táluk Koilkuntla. 1812.	14 59 5' 14"	78 7 48' 03"	<i>feet</i> ... ...	1550 1551
Adacheri h.s. <i>Addacherry H.</i>	Malabar (Malayám)	On a small isolated hill about 5½ miles E. by S. of the town of Tánúr on the coast, 1 mile W. of Pónmandam, and 3 miles E. of the high road from Tállakád to Tánúr: táluk Pónáni. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . 1808-9.	10 57 30' 09"	75 59 9' 91"	... ...	1868 1869
Adamorsu h.s. <i>Uddumorsoo H.</i>	Nizam's Dominions	On a hill, about 8 miles E. by S. of Báichur. 1816-17.	16 9 47' 74"	77 30 36' 70"	... ...	246 247
Adavi Hill Pagoda <i>Urvi Pag.</i>	"	The highest spire of a small cluster of pagodas on a small hill about ¼ a mile W. of the village so called on the road to the town of Mánvi, and 1½ miles S.W. of Madagère village on the same road. 1816-17.	16 4 24' 5"	77 5 58' 6"	... ...	1003 1004
Adavi Ávalpalli h.s. <i>Adavee Áuvulpilly H.S.</i>	Cuddapah (Kadapa)	On a projecting rock, about ¼ of a mile E. by S. of Ávalpalli village, 2¼ miles N.E. by N. of Nárganpalli, 3 miles S.W. by S. of Malaipád, and 9 miles S.W. of the town of Madanapalle: táluk Madanapalle. The station is denoted by a platform with a mark-stone in the middle. 1805.	13 28 19' 23"	78 26 35' 76"	[4518]	1429

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Ádoni, XXII ... ..	Bellary (Ballári)	<i>Vide page 10—A.</i> ... ..	0 1 " 15 38 50·13	0 1 " 77 19 13·67	<i>feet</i> 1996·60* 3·0	26, 31
Ádoni h.s. <i>Ádoni Droog S.</i> ... ..	"	On a stone building on the highest part of the hill fort, about 535 feet S.W. of the principal station of this name: táluk Ádoni. The station is marked by a circle and dot. 1813-14.	15 38 46·34	77 19 9·87	2026	238 239
Ádrilla Hill Pagoda ... .. <i>Ádrilla H.P.</i>	Nizam's Dominions	About 1½ miles N.W. of the village so called, and 5½ miles N.E. of Lingampet. 1818.	16 51 42·8	78 19 41·9	...	861 862
Afzalganj Mosque ... ..	...	<i>Vide Hyderabad Mosque No. 2.</i> ... ..	...	...	...	...
Agastyamalai Hill Peak No. 1 ... ..	Travancore State (Tiruvánkod)	Summit of a great conical peak of the Western Gháts, well known as the sacred Agasteshwaramalai, the source of the Támbraparni river, about 10½ miles S.W. of Pápanásam. 1874.	8 36 52	77 17 15	6132	654 655
Agastyamalai Hill Peak No. 2 ... ..	"	Highest point of the most prominent rock on a ridge of the Western Gháts, about 2½ miles S.S.E. of Agastyamalai Hill Peak No. 1. 1874.	8 35 3	77 18 34	6111	656 657
Aimangala Fort ... .. <i>Oymungul</i>	Chitaldroog (Chitradurga)	On the high road from Chitaldroog to Hiriyúr, about 2½ miles S. by E. of Maradiballi, 1½ miles E. by N. of Devagère, and 3½ miles N.W. by N. of Guyilál on the above-named road: táluk Hiriyúr. 1813.	14 5 40	76 34 33	[2199]	...
Aivaremalai Hill Building ... .. <i>Iraymalli</i>	Madura (Madurai)	Small building on the knob of a hill, about ¼ a mile E. by N. of Aivaremalai Hill Temple: táluk Palni. 1808.	10 28 30·9	77 27 15·4	...	2018 2019
Aivaremalai Hill Temple ... ..	"	Centre of the dome of the temple on a small, low and solitary hill about a mile S.E. of the small village of Ayyampálayam, 6½ miles W. by N. of the town of Palni, 3 miles E. of Kumáramangalam, and 2½ miles S.W. of the high road to Palni: táluk Palni. 1870-71.	10 28 29·2	77 26 42·8	1404	561 562
Aivárpalli h.s. ... .. <i>Iyarpilly H.</i>	Nizam's Dominions	On a hill close W. of the village so called, about 3 miles E.S.E. of Sógúr or Vanaparti town. 1813.	16 7 16·38	78 4 9·95	...	888 889
Akampalle h.s. ... ..	"	On a rock a few yards W. of the foot-path from Akampalle to Tándúr, about ¼ of a mile N.N.W. of Akampalle village, and 6½ miles N.W. by N. of Kodangal town. The station consists of a solid isolated pillar of masonry, 4½ feet in height and 1½ feet square, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1872.	17 10 53·96	77 36 56·48	<u>1557</u> 3	152 153
Alagamalai h.s. ... .. <i>Hallagamalli</i>	Salem (Sélam)	On a large detached hill, about 3 miles N.W. of Andakalúr village on the main road from Námakal to Salem, and 2½ miles S.E. by S. of Nadupati: táluk Salem. The station is denoted by a mark-stone in the centre of a platform. 1810.	11 28 3·50	78 9 38·45	1361	1778

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3·5 feet.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Alagumalai, LXXIII ...	Coimbatore (Koyambatúr)	<i>Vide</i> page 20—A. ... ..	° ' " 11 0 45' 38	° ' " 77 28 47' 27	<i>feet</i> 1353 *	94, 96
Alagumalai h.s. ... <i>Hallagamalli S.</i>	"	On a hill, about 55 feet W. by S. of the principal station of the same name: táluk Palladam. 1808-9.	11 0 45' 35	77 28 46' 73	...	1964 1965
Alagumalai Hill Temple ...	"	About 95 feet W. by S. of the principal station of the same name: táluk Palladam. 1870.	11 0 45' 3	77 28 46' 3	[1346]	539 540
Alakasamudram Pagoda ... <i>Allagasumdrum</i>	Salem	Close to the main road from Taramangalam to the railway station of Salem or Suramangalam, and about 5½ miles W. of the latter: táluk Salem. 1810.	11 40 15' 7	78 4 16' 5	...	1785
Alambádi Fort ... <i>Allambaddy</i>	Coimbatore	On the right bank of the Cauvery (Káveri) river, immediately S.W. of the village of this name and N. of Rangaswámikoi: táluk Köllegál. 1803-6.	12 8 30	77 47 14	...	...
Alankarai h.s. ... <i>Allangkerry</i>	Salem	On a small isolated hill about ¼ of a mile E. by S. of the village so called, 3¼ miles E.N.E. of Dharmapuri town, and ¼ of a mile N. of the road from this town to Morappúr Station of the Madras Railway, S.W. Line: táluk Dharmapuri. 1802-6.	12 8 55' 48	78 15 9' 16	...	1751†
Álatúr h.s. ... <i>Allatoor H.S.</i>	Malabar	On the middle of a large flat rock that crowns the conspicuous isolated hill locally called Villumalai, about 2 miles S. by W. of the village so called, 2¼ miles S. of the Devanúr river, and 1 mile E. of the high road from Vadakancheri to Pálghát: táluk Pálghát. The station is marked by a circle and dot engraved on the rock <i>in situ</i> , with a circle of 30 inches diameter cut around it, and covered over with a pile of stones. 1810. It was revisited in 1880.	10 37 27' 66	76 34 25' 94	1196	1820
Alavakönda h.s. ... <i>Ollavaconda</i>	Kurnool	On a small isolated hill at the N. foot of which lies the village of this name, about 2¼ miles S.W. of Mukkumala village: táluk Koilkuntla. 1811.	15 7 56' 39	78.16 37' 83	...	1542 1543
Allúrankave Hill Mark ...	Madura	On the N. edge of the plateau of the Palni hills, about 10 miles S.S.W. of the town, 1 mile N. of Pálúr village, and 8 miles N. of the sanitarium of Kodaikánal: táluk Palni. 1870-71.	10 20 5' 27	77 27 45' 23	6424	580 581
Almírpet Mosque ... <i>Ummeripett</i>	Nizam's Dominions	Close E. of the village so called. 1813.	17 8 48' 1	78 23 8' 2	...	853
Álúr s. ... <i>Auloor</i>	Bellary	On the bastion on the W. face of the fort about ¼ of a mile E. of the town: táluk Álúr. 1813-14.	15 23 36' 11	77 16 11' 95	...	1111 1112
Amadugúr Pagoda ... <i>Umbadagoor P.</i>	Cuddapah	Close S.E. of the village so called, about 3¼ miles E.N.E. of Chinaganpalli, ¼ of a mile N. by W. of Raddivárpalli, and ¼ of a mile N.W. of Sitradippalli: táluk Kadiri. 1812.	13 53 8' 6	78 3 58' 2	...	1679

\* See description of this station.

† For another triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Amarávati Hill Tower <i>Umrawutti H.</i>	Nizam's Dominions	A small pile of stones on the highest top of a ridge of hills locally known as Hire Bëttadigudda, 1½ miles S.S.E. of Amarávati village on the road to Mudgal. 1816-17.	16 3 54.9	76 40 32.8	feet ...	1116
Ambájidurga, XXXVI	Kolár	<i>Vide page 18—4.</i>	13 23 33.50	78 3 32.05	$\frac{4394}{3}$	52
Ambájidurga Building <i>Amboijedroog</i>	"	Highest building on the summit of a detached hill, about 1½ miles S.S.W. of Kõnpalli, the same distance S.E. by E of Upparpet, 2 miles N.N.E. of Mailapur, and 2½ miles W.S.W. of Chintámani town: táluk Chintámani. 1806-12.	13 23 32.5	78 3 31.5	...	1683* 1684
Ambali Pagoda <i>Umbla P.</i>	Bellary	White pointed pagoda just S. of the village so called, about ¼ of a mile N.E. of the high road from Huvinahadgalli, and 6½ miles N.N.W. of the town of Kõttúr: táluk Kúdligi. 1813.	14 54 4.4	76 13 5.2	...	1288
Amgundpálsiyam h.s. <i>Umgoondpolliam H.</i>	Anantapur	On a broad flat-topped hill S. of the village and fort of that name, about 9 miles S.S.E. of Bukkapatnam, 5 miles S.E. by S of Yënumulapalle village close W. of the Chitrávati river, and 4 miles N.W. of Kõndamagarla: táluk Hindupur. 1812.	14 5 11.02	77 54 34.24	...	1501
Ammúrthamolemalai h.s. <i>Umnoorthamolemalli S.</i>	Travancore State	On a prominent point of a great range of hills, about 2½ miles W. of the village of Thattatipárai, 3½ miles N.W. of Tavalam, and 10 miles E. by N. of the large village of Kánjarapalli. The station was marked by a large stump of a tree in the middle of a platform, supported by a pyramid of stones. 1810.	9 35 43.96	76 59 12.50	4530	1880
Amrabad h.s. <i>Amrabad S.</i>	Nizam's Dominions	On a hill, about 2 miles S.S.W. of the large village so called, and 2½ miles E. by N. of Turkapalle on the road to Amrabad. The station is marked by a circle on a rock over which a platform, 11 feet high, was raised. 1812.	16 21 26.98	78 51 52.49	† $\frac{2468}{11}$	957
Amrapur Fort <i>Amrapoor</i>	Anantapur	Bastion over the S. gateway of the fort about 3 miles N.W. by N. of Halkur on the road to Madakasíra: táluk Madakasíra. 1813.	14 7 52.5	77 1 3.1	...	1822 1823
Amritwamalai h.s. ...	Travancore State	On the highest, sharp and conical peak of a rocky hill of that name, so called from the medicinal herbs found there, about 5 miles N.W. of Cape Comorin, 2 miles W. of Tambarkulam, 1½ miles N. of Mailadi, and 2 miles S.E. of Kotaram village: táluk Agasteshwaram. The station consists of a solid, circular and isolated pillar of masonry, 3 feet in diameter and 2 feet in height, surrounded by a platform of stones and earth 7½ feet square, with two marks, one on a stone embedded in the upper surface of the pillar, and the other engraved on the rock <i>in situ</i> . 1888.	8 8 0.63	77 33 1.03	1215	2073
Anagõndi Fort <i>Anagoondy</i>	Nizam's Dominions	Top of a building in the fort N. of the town on the left bank of the Tungabhadra river. 1813-14.	15 20 58.6	76 32 1.0	...	1274

\* This triangle will also be found in the Synoptical Volume of the Madras Longitudinal Series.

† This value of height is in supersession of that printed in the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Ánaikarai Church ... ..	Tinnevely (Tirunéveli)	Spire or cross of the Roman Catholic church on the Nambiyár river, about 2½ miles N.E. of Arumankulam village, and 6½ miles E. of Sanugarangapuram on the road from Travancore to Vírarnartandanallúr: táluk Náguneri. 1869.	8 19 46·3	77 50 14·4	feet ...	781 782
Ánaikárákunnú s. ... .. <i>Ánaackurraykoonoo</i>	Malabar	About ¼ a mile S.S.E. of Maitian village, 1 mile E. of Shekkanúr, 1½ miles S.W. of Panniúr close S. of the high road from Pattámbi to Tállakád, and 1½ miles S. of the point at which the above-mentioned road crosses the Pónáni river: táluk Pónáni. 1810.	10 49 6·58	76 5 27·60	...	1871
Ánaimalai Hills, Peak No. 1 ...	Coimbatore	Also called Kokanamalai. A remarkably sharp peak about 1½ miles E. of the small village of Vandal: táluk Udamalpet. 1870-71.	10 23 33	77 8 34	7281	563 564
Ánaimalai Hills, Peak No. 2 ...	"	Also called Akka: táluk Pólláchi. 1870-71.	10 21 31	77 6 38	8187	565 566
Ánaimalai Hills, Peak No. 3 ...	"	Also called Thannakamalai. A smooth round-topped peak: táluk Pólláchi. 1870-71.	10 21 3	77 6 58	8280	567 568
Ánaimalai Hills, Peak No. 4 ...	"	Also called Anjinád or Pambumalai. N.E. peak about 2½ miles S.W. of the village of Vénkaténpádi: táluk Udamalpet. 1870-71.	10 23 33	77 13 33	6656	569 570
Ánaimalai Hills, Peak No. 5 ...	"	Summit of a red round-topped cliff about ¼ a mile N. of the peak called Chémmalai, and 1½ miles N.W. of the small village of Ulikudi: táluk Udamalpet. 1870-71.	10 21 56	77 10 59	7209	571 572
Ánaimalai Hills, Peak No. 6 ...	Travancore State	Also called Ánaimudi. N. summit of a solitary peak at the E. extremity of a high ridge, about 9 miles S.W. of Kajinád, and 4 miles N. of Chalian. 1871.	10 10 5	77 6 11	8841	617 618
Ánaimalai Hills, Peak No. 7 ... <i>Ánnamalli</i>	Coimbatore	Also called Kuchmalai. A remarkable peak at the N.E. corner of a plateau, about 7 miles S.W. by W. of the town of Ánaimalai, 3½ miles W. by S. of Srirangasettiputtúr, and 14 miles S.W. of Pólláchi: táluk Pólláchi. 1808-9.	10 32 9	76 53 6	[3912]	1994
Ánaimalai h.s. ... .. <i>Ánnamalli S.</i>	Cuddapah	On a high, conspicuous and isolated hill, about 1½ miles N.W. of Rázupálem village on the left bank of the Pápaghni river, the same distance S. of Ánaimalai village, and 3½ miles N.N.W. of Nandimandalam on the road from Vaiyampalli to Cuddapah: táluk Cuddapah. The station is denoted by a platform. 1812. It was refixed in 1872.	14 26 58·27	78 32 45·30	1715	1534
Ánaipárai h.s. ... .. <i>Ánaapauras S.</i>	Travancore State	About 7 miles W.N.W. of Udayagiri close E. of the high road from Cape Comorin to Trivandrum (Tiruvánantapuram), and 7½ miles N. of Kóláchal. The station is marked by a circle and dot engraved on the solid rock <i>in situ</i> . 1808-9.	8 16 42·81	77 17 6·01	535	1838

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Anangamalai h.s. ... <i>Anangamalli S.</i>	Malabar	On the highest of the southernmost peaks of the mass of hills called Anangamalai lying N.W. and S.E. and parallel with the high road from Pálghát to Chérpalcheri, about 2½ miles S.W. of Chirúndacheri, 1½ miles N. by W. of Kalúrchí, and 1½ miles E. of Chenangád village on the main road from Chérpalcheri to the Railway station of Lakkidi: táluk Walawanád. The station is denoted by a mark-stone surrounded by a platform. 1810. When visited in 1872, the mark-stone was found in a cleft of a rock, and was then more firmly fixed in mortar. When subsequently visited in 1874 and 1880, the station mark was found intact.	10 49 8' 49"	76 25 48' 81"	feet 1291	1818
Ánanghát h.s. ... <i>Ananghaut S.</i>	"	On a high isolated hill, about 4½ miles S.S.E. of Angádipuram, and 1 mile W. of Ánanghát village on the high road from Pálghát: táluk Walawanád. 1810.	10 55 16' 57"	76 17 30' 70"	...	1848
Anantagiri, VI ... <i>Anantagherry S.</i>	Nizam's Dominions	<i>Vide page 7—4.</i> ... ..	17 18 28' 46"	77 53 46' 34"	$\frac{2305}{4}$	5 11, 12
Anantapur Fort ... <i>Hundee Anantapoor</i>	Anantapur	S.W. angle of the fort near the town: táluk Anantapur. 1811.	14 40 51' 2"	77 39 1' 4"	...	299
Anantapur Hill Pagoda ... <i>Anantapooram P.</i>	Nizam's Dominions	About 1½ miles N. of the large village of Anantapur on the road to Gadvál, and 4½ miles S.E. by E. of the town of Gadvál. 1813.	16 11 46' 4"	77 54 26' 4"	...	925 926
Anantapur h.s. ... <i>Anantapoor H.</i>	"	On a hill, about ¼ of a mile W. of the large village of Anantapur on the road to Gadvál, and 5 miles S.E. of the town of Gadvál. 1816-17.	16 10 41' 76"	77 53 56' 74"	...	985 986
Anantapur House (helio.) ...	Anantapur	Táluk Anantapur. The point is marked by a circle and dot engraved on the táhsildár's house in the town, about 18 feet above the ground. 1870.	14 40 43' 73"	77 38 56' 70"	$\frac{1149}{18}$	373
Ánchéttidurga, LVI ...	Salem	<i>Vide page 17—4.</i> ... ..	12 35 17' 99"	77 55 53' 74"	$\frac{3192}{*}$	72
Ánchéttidurga h.s. ... <i>Anchitty Dr.</i>	"	On a mandapam about 170 feet N.N.E. of the principal station of Ánchéttidurga: táluk Hösúr. 1803-4.	12 35 19' 60"	77 55 54' 28"	...	1786†
Andalam h.s. ... <i>Andalalum H.</i>	Coimbatore	On a hill, about 1½ miles S.E. of the village of Búdikuppe, and 4½ miles N.E. by N. of Ajjipuram on the main road from Kóllegál to Bhaváni: táluk Kóllegál. 1803-6.	12 5 19' 60"	77 26 14' 45"	[2713]	1774
Ánēkal Durga ... <i>Annicul Drg.</i>	Bangalore (Bēngalúr)	On a conspicuous hill, about a mile W.N.W. of the large village of Jálmangala, 2½ miles N.E. by N. of Chikganvádi, 2 miles E.N.E. of Akkúr, and 1½ miles S. by E. of Gejgárkuppe: táluk Closepēt (Kulíspēt). 1801.	12 49 31	77 14 53	[3332]	‡
Ánēkal Pagoda ... <i>Annicul</i>	"	In the fort of the town of Ánēkal: táluk Ánēkal. 1801.	12 42 29' 3"	77 44 11' 4"	...	...

\* See description of this station. † This triangle will also be found in the Synoptical Volume of the Madras Longitudinal Series. ‡ For triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Anēkalgudda h.s. ... <i>Anniculgooda S.</i>	Bellary	On a rock, the most conspicuous of a low range of hills running in a north-westerly direction from Kúdligi, about 3½ miles N. of Hōskēre, and 10½ miles N.W. by N. of the town of Kúdligi: táluk Huvinahadgalli. The station is marked by a platform and pile of stones. 1811-14.	15 2 32' 38"	76 20 43' 75"	feet 2387	1222
Angádipuram House ... <i>Angadipooran</i>	Malabar	Judge's house on the W. extremity of a hill, about ¼ a mile N. of the high road from Chērpālcheri to Manjeri: táluk Walawanád. 1808.	10 58 23' 7"	76 16 5' 6"	...	1866 1867
Angádipuram s. ... <i>Calicut Road Station</i>	"	About 3½ miles W. of the town, and 2 miles W. by S. of Bagvádikavu on the high road from Chērpālcheri, to Manjeri. From Bagvádikavu a road passes westwards by the station <i>viá</i> Putúr to Trikolam: táluk Walawanád. 1810.	10 58 30' 02"	76 12 39' 70"	...	1855
Anginda h.s. ...	"	Also called Ankandi. On the highest point of a conspicuous round-topped peak of the Kúnda range running N. and S. in the S.W. angle of the Nilgiri hills, about 2 miles S. of the head of the Siepára Ghát, 11½ miles N. of the large village of Mannár, and 7½ miles N.N.W. of Magápalli: táluk Walawanád. The station is marked by a circle and dot cut on a large boulder embedded on the top of the hill about 7 feet S. by W. of an old survey cairn of loose stones on one of which a faint rude circle and dot mark can be seen. 1874. It was visited and marked in 1880.	11 11 10' 26"	76 29 59' 62"	7822	1963
Anjala Hill Tower No. 1 <i>Unjulugooda H.B.</i>	Nizam's Dominions	On a small isolated hill at the N. foot of which is the village of Anjala, about ¼ a mile E. of the Kistna (Krishna) river, and 4½ miles W.N.W. of Devadurg town. 1816-17.	16 26 45' 8"	76 54 42' 1"	...	1195 1196
Anjala Hill Tower No. 2 <i>Unjulugooda H.B.</i>	"	A very lofty and remarkable tower on a conspicuous hill, close to Anjala Hill Tower No. 1. 1816-17.	16 26 45' 0"	76 54 38' 8"	...	1197
Anjengo Flag-staff ... <i>Anjengo</i>	Malabar	In the sea-port town of Anjengo (Anchingal). 1808.	8 39 40	76 48 21	...	...
Ankálammagúdúr Hill Platform <i>Goodoor H.</i>	Cuddapah	Close S. of the village of Ankálammagúdúr, about 2½ miles N.W. of Balapanúr village, and 7 miles W. of Tōndúr on the main road from Pulivēndla to Muddanúr station on the N.W. Line of the Madras Railway: táluk Pulivēndla. 1812.	14 33 34' 68"	78 12 58' 10"	...	1572 1573
Ankisgiridrug h.s. ... <i>Ankisgherry Dr.</i>	Salem	On a hill, about a mile W.S.W. of Máranambayilu, the same distance S.S.E. and E. by N. of Agraharamkampakal and Sorakkappati respectively, and 2½ miles N.E. by N. of Kundalappati close N. of the road from Hōsúr to Krishnagiri: táluk Hōsúr. The station is marked by a circle engraved on a rock. 1802-6.	12 40 22' 54"	78 7 34' 20"	...	409* 410*
Annamkōnda h.s. ... <i>Aunimcondah S.</i>	Nizam's Dominions	On a hill, about 1½ miles S.W. of Chegundapur, ¼ of a mile N.W. of Kázípalle, 1½ miles E.N.E. of Navapet, and 2½ miles N. of Kankunta on the road to Dhúndgal to the S. The station is denoted by a mark-stone in the centre of a circular platform, surmounted by a pyramid of stones. 1817-18.	17 43 47' 67"	78 27 50' 72"	2166'	781 782

\* These triangles will also be found in the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Annasapuram Fort ... <i>Nanaspoor</i>	Nizam's Dominions	Tiled building in the fort of the village of Annasapuram, about 14½ miles S.W. by W. of Hyderabad (Haidarabad) city, 3½ miles S.W. by W. of Narkoda, and 3 miles S.E. by E. of Venkatapuram. 1813.	0' 17" 13' 41" 5"	0' 78" 19' 48" 9"	feet ...	...
Appájpjet Fort ... <i>Uppahjeepett Dr.</i>	Anantapur	High cavalier of the fort on the N. bank of the Pénner river, near the village of Appájpjet, and 7 miles W. of the high road to Anantapur: táluk Gooty (Gutti). 1813.	14 54 26·7	77 31 39·8	...	341
Apparáupalli Hill Platform ... <i>Appaipilly H.</i>	Cuddapah	On the easternmost point of a small mass of hills, about 2 miles W.N.W. of the village of Apparáupalli, 2½ miles S.S.E. of Tippalúr close S. of the high road from Bellary to Cuddapah, and 5½ miles W. by S. of Kamalápuram station on the N.W. Line of the Madras Railway: táluk Cuddapah. 1812.	14 34 19·43	78 37 2·69	...	1602
Apsáandra h.s. ... <i>Appasundra H.</i>	Bangalore	On a pagoda on a small isolated hill about ¼ a mile N.E. by N. of the village of Apsáandra, 1½ miles S. of Nallál, and 7½ miles E. of Hóskote town: táluk Hóskote. The station is denoted by a mark on the top of the pagoda which is a small square building without a tower. 1801.	13 3 55·14	77 56 38·89	[3099]	468*
Araballe Hill Building ...	Travancore State	Centre of a building in the middle of a pass, about ½ of a mile S.W. of the village of Araballe. 1869.	8 14 51·5	77 33 19·8	...	740 741
Arahalli Turret ... <i>Hurhully</i>	Nizam's Dominions	Of the village of Arahalli on the left bank of the Tungabhadra river. Kanchéngod is on the opposite bank to the N.E. 1813.	15 35 50·4	76 52 8·7	...	...
Arakérëbëtta h.s. ... <i>Arrakerrabetta S.</i>	Bellary	Also known as Góllagattukónda. On a hill, about ¼ of a mile W.N.W. of Arakére village, and 2½ miles in the same direction from the town of Álúr at the junction of the high roads from Guntakal and Bellary to Ádoni: táluk Álúr. The station is denoted by a mark-stone in the centre of a platform. 1813-14. It was refixed in 1871.	15 24 31·16	77 13 48·00	2121	236 237
Arakulam s. ...	Coimbatore	Also called Unjelkádu. About 650 yards S. by W. of the village of Arakulam, 1½ miles W. by N. of Ayyampálayam on the high road from Coimbatore to Palladam, and 5½ miles W. of the latter: táluk Palladam. The station consists of a platform of stones and earth, 4½ feet high, with mark-stones at top and bottom. 1870.	10 59 4·53	77 14 42·28	1379 5	1926
Arasákulam, XCVI ...	Tinnevely	<i>Vide page 26—4</i> ... ..	8 13 39·52	77 46 58·16	56 5	126
Arasanamalai Hill Mark ...	Coimbatore	On the E. summit of a small, isolated and double-topped hill about ¼ of a mile N. of the Railway line from Beypore (Bepúr) to Madras, 4½ miles N.E. of Úttukuli Railway Station, and 7 miles S.W. of Përandurai: táluk Erode (Írod). 1870.	11 12 3·29	77 33 7·25	1492	545
Arasanamalai h.s. ... <i>Arsanamalli</i>	"	On a hill, about 17 feet N. of Arasanamalai Hill Mark: táluk Erode. 1808.	11 12 3·46	77 33 7·27	...	1966

\* This triangle will also be found in the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Arasanamalai Hill Temple No. 1	Coimbatore	Tall, thin, white and north-western temple about 18 feet N.W. of Arasanamalai Hill Mark: táluk Erode. 1870.	11 12 3'4	77 33 7'1	feet ...	541 542
Arasanamalai Hill Temple No. 2	"	Low, broad, dark, massively-built and south-eastern temple about 50 feet E.S.E. of Arasanamalai Hill Mark: táluk Erode. 1870.	11 12 3'1	77 33 7'7	...	548 544
Aringyanmalai h.s. ...	Madura	On a range of hills running N.N.E. on the large plateau of the Palni group N. of Périyakulam, about 1½ miles W. of the village of Tándigudi, and 2 miles N. by W. of Pannakád: táluk Périyakulam. The observations were taken from a point about 13 feet S. of a pile of stones. 1871.	10 18 49'39	77 39 38'61	6823	559 560
Arnagiri Hill Pagoda <i>Arnagherry</i>	Salem	On a small isolated hill or rock about ¼ of a mile S. of Arnagiripálayam village, and 2¼ miles W. of Nallúr on the main road from Tiruchéngod to Paramati: táluk Námakal. 1808.	11 15 9'1	77 57 19'5	...	2052
Arnagiri Hill Temple	"	Flat roof of a temple about 460 yards E. of Arnagiri Hill Pagoda: táluk Námakal. 1870.	11 15 9'2	77 57 33'3	...	526 527
Arsikére Fort <i>Arsikerra</i>	Bellary	S.W. angle of the fort so called on the road to Harpanahalli, and 9¼ miles S.E. by S. of the town of Harpanahalli: táluk Harpanahalli. 1811-14.	14 40 7'9	76 6 49'2	...	1287
Arubéle Chapel	Bangalore	Centre of the tower of the Roman Catholic Chapel in the village of Arubéle also known as Háróhalli, about a mile N. of Nalhalli, 2¼ miles N.E. of Uyamballi, and 10 miles S. of Kánkánhalli town: táluk Kánkánhalli. 1866-67.	12 24 5'2	77 28 6'2	...	472
Arúr Fort <i>Hurroor</i>	Salem	At the junction of the main roads from Dharmapuri, Úttankarai and Morappúr Railway Station, and about 8 miles S.E. of the latter place: táluk Úttankarai. 1802-6.	12 2 44	78 31 33	...	1746
Arúr h.s. <i>Hurroor H.</i>	"	On a small isolated hill about 2¼ miles S.E. of Arúr at the junction of the main roads from Dharmapuri, Úttankarai and Morappúr Railway Station, and 1¼ miles S. of Máveripati: táluk Úttankarai. 1802-6.	12 1 38'85	78 32 39'57	...	*
Arútila Hill Mark <i>Aurootlah H.</i>	Nizam's Dominions	About 4¼ miles S.E. by E. of the village of Arútila, 1¼ miles N.E. of Lamúr, and 6¼ miles S.W. of Náráyanpet. 1820.	17 5 52'69	78 51 9'61	...	966
Arved s. <i>Hervaid</i>	Cuddapah	On the N.E. angle of a fort in the village of Arved, about 2¼ miles S.E. by S. of the police station and village of Galved close S. of the high road from Kadiri to Báychoti: táluk Báychoti. 1812.	13 59 29'31	78 33 54'56	...	1490 1491
Atmakúr Building <i>Autmakoor</i>	Nizam's Dominions	In the village of Atmakúr, about 8 miles N.E. of the Kistna river, and 2¼ miles W. of the Hákachitti nála. 1818.	16 20 22'7	77 50 42'6	...	220

\* For triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Attúr Rock Pagoda ... <i>Astoor Rock P.</i>	Travancore State	About 1½ miles W.N.W. of Attúr. 1808. ...	8 19 51·1	77 16 49·1	feet ...	1902
Ávalkõnda Hill Peak <i>Avulpilly H.</i>	Kolár	About 4½ miles E. of the large village of Námagõndlu, 2½ miles N.W. of Kõttúr, 1½ miles S.W. of Párenhalli, and 1 mile N.N.E. of the small village of Nadupahalli: táluk Chikballápur. 1813.	13 34 35	77 42 53	[3813]	1712
Aviarmalai h.s. ... <i>Aviarmalli</i>	Salem	On a hill, about ¼ a mile E.N.E. of Mel Avari village, and 5 miles N. of the town of Attúr: táluk Attúr. 1810.	11 40 5·81	78 39 35·76	...	1783
Ávuladevarakõnda h.s. <i>Wobledavurcondah S.</i>	Anantapur	On the high hill called Ávuladevarakõnda, about 3½ miles W. by N. of Málavantsam, 11 miles S.S.E. of Anantapur town, 1 mile N.E. by E. of Yérrapalli, and 1½ miles N. of Sanjívapuram village: táluk Anantapur. The station consists of a platform of stones and earth, with a large three-cornered mark-stone at the surface, about 10 feet from the top of an iron rod on which is fixed a lamp for burning a light to the god Ávulesvar. 1812. It was re-visited in 1871.	14 34 16·71	77 46 17·57	2321	1403 1404
Ávulatéppáyapalli Pagoda <i>Wobledavur</i>	"	Close to the village of Ávulatéppáyapalli, about 1½ miles E. of the high road from Tadpatri (Tá diparti) to Koilkuntla, and 3½ miles N.E. of Tadpatri: táluk Tadpatri. 1812.	14 57 8·6	78 5 19·7	...	1574
Áyaswámi Hill Peak <i>Iyaswamy H.</i>	Coimbatore	A sharp peak, one of a low group of hills extending eastwards from Pálghát, about 2 miles N.W. of Éttimadai village between the high road and the railway line to Coimbatore, and 4 miles W. by N. of Madukarai Railway Station: táluk Coimbatore. 1808.	10 54 40	76 55 14	...	1986
Ayyamappamalai h.s. <i>Iyappamalli</i>	Malabar	On the westernmost of a range of hills lying E. and W., about 3 miles N. of the Pónáni river, and 2 miles S. of the high road from Pálghát to Chérrpalcheri: táluk Pónáni. The station is marked by a circle and dot. 1808.	10 49 40·01	76 34 7·06	...	1847
Ayyampálayam s. ... <i>Iyempolliam H.</i>	Coimbatore	On high ground, nearly midway between the two high roads from Palladam to Coimbatore, about 4½ miles W. of the former, and 1 mile N.W. by N. of Ayyampálayam village on the southern of the two roads mentioned above: táluk Palladam. 1808.	10 59 35·86	77 15 31·20	...	1967
Babu Sáhíib Hill Dargah <i>Bauboosaib</i>	Nizam's Dominions	About 3½ miles S.W. by S. of Bálápur, and 5½ miles S. of Hyderabad city. 1817.	17 15 59·4	78 30 50·1	...	760 761
Badadol h.s. ... <i>Buddadal S.</i>	"	On a low hill, about 2 miles N.E. by N. of the village of Badadol, 3½ miles E.S.E. of Dudhni Station of the G.I.P. Railway, and 1½ miles S.W. by W. of Kalhalli village. 1819-20.	17 20 14·89	76 28 18·42	[1718]	986
Bádapalle h.s. ... <i>Baudapilly H.S.</i>	"	On a high and well-known hill, close S.W. of the large village of Bádapalle on the high road to Hyderabad. The station is marked by a circle engraved on the highest rock. 1817-18.	16 44 58·32	78 10 37·29	2321	188



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Bagarapet Hill Peak <i>Baukrapett H.</i>	Cuddapah	Centre of the peak. Close to Bagarapet h.s.: táluk Siddhavattam. 1812.	0 1 "	0 1 "	<i>feet</i> ...	*
Bagarapet h.s.	"	On a conspicuous peak of the Nallakōnda hills, about 2 miles S.W. of the town of Siddhavattam at the junction of the high roads from Badvel town and Vōntimitta Railway Station to Cuddapah. It is on the boundary of the village lands of Gopálpuram, Ankampalli Gundlamula and Kalamalopalli. The high road and railway line from Cuddapah to Madras are between it and the Pálkōnda range on the south: táluk Siddhavattam. The station consists of a circular platform of earth and stones, 3·7 feet high and 9 feet in diameter, having a mark-stone embedded in its surface. 1871-72.	14 26 49·60	78 59 6·19	1825	†
Bágenhalli Fort <i>Baggapilly</i>	Kolár	In the town on the high road from Pēnukōnda to Chintámani: táluk Bágépalli. 1812.	13 46 55	77 50 1	...	...
Bágenhalli s. <i>Baggapilly</i>	"	E. of the town of Bágenhalli, and about 2 furlongs N. of the high road to Chintámani: táluk Bágépalli. 1812.	13 47 5·45	77 50 25·05	...	...
Bágúr Pagoda <i>Baugoor</i>	Chitaldroog	Fort pagoda about a mile E. of Srirangapur village, 1½ miles E.S.E. of Anivála, and 6 miles W. by N. of the town of Hōsdurga on the road from Ajjampur to Búdihál: táluk Hōlalkēre. 1802-6.	13 48 51·1	76 14 9·5	...	1401
Bagvádi Gateway <i>Bugwaddy</i>	Cochin State (Kōchchi)	About 2 miles E. of Pallepuram village, and 6 miles N. of the town of Chēndamangalam. 1807-11.	10 14 54·9	76 19 23·5	...	1880
Bahádurbanda s.† <i>Bahaderbunda</i>	Nizam's Dominions	On the highest bastion of a fort about 1½ miles S. by E. of Kopal town and railway station. 1811-14.	15 18 46·31	76 12 12·34	...	1251 1252
Bairadávargudda Fort <i>Byradavurgooda</i>	Bellary	Highest bastion of the fort on a small piece of high ground called Bairadávargudda, about ¼ a mile N.E. of Bhairaveshvaranadurga, 1½ miles S. of Sunkadakal, and ¼ a mile E. of the high road from Kúdligi: táluk Kúdligi. 1813.	14 45 6·0	76 21 31·3	...	1366 1367
Bairandurga Staff <i>Byramdroog</i>	Bangalore	A large staff on the W. end of a conspicuous hill, about a mile E. of Golhalli, the same distance W. by N. of Malligunte, and 2 miles N. of Narsándra village between the 33rd and 34th mile-stones on the high road from Nēlamangala to Kunigal: táluk Mágadi. 1801.	13 5 37	77 12 58	...	485
Bálákundi h.s. <i>Bulgoondah</i>	Bellary	On the northern of three summits of a small group of hills, about ¼ a mile W. of the village of Bálákundi, 1 mile N.W. of Mailapuram, and 4½ miles E. of Tēkkalakota on the main road from Bellary to Siruguppa: táluk Bellary. 1813.	15 31 43·91	76 59 23·80	...	1094 1095 1096
Bálápur h.s. <i>Bomlapooram H.</i>	Nizam's Dominions	About 1½ miles S.S.E. of the large village of Bálápur, and 4½ miles in the same direction from Hyderabad city. 1814-15.	17 17 18·78	78 32 53·48	...	797

\* For triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

† For triangle fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

‡ This station is the same as Bahádurbanda Fort of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Bálesvaramkōnda h.s. <i>Vaul Eskrumcondah</i>	Kolár and North Arcot	On a pagoda on the highest part of a conspicuous hill, about a mile N. by W. of Pilgundlapalli, 1½ miles S.W. by W. of Gundvarpalli, 2 miles N.E. by E. of Kullagurki, and 3 miles S.E. by S. of Pulgurkote: táluk Chintámani. 1812.	13 23 43·02	78 25 26·93	<i>feet</i> [3950]	1693*
Balichakramgutta Hill Peak	Nizam's Dominions	Highest point of a rocky hill, about 4 miles E. of the railway line, and 3 miles N. of Killankēri which is 3½ miles N. by E. of Saidápur Station of the Nizam's State Railway. The village after which the hill is named is at its W. foot. 1871.	16 40 51	77 18 28	2000	169 170
Balurgi Hill Pagoda ... <i>Bulloorgi H.P.</i>	"	At the W. end of a low hill, about 2½ miles N.W. by N. of the village of Balurgi, and 2½ miles E.N.E. of Nandargi village on the Bori river. 1819-20.	17 18 46·1	76 23 12·0	...	†
Bánatimaribētta, XLV	Bangalore	<i>Vide page 15—A.</i> ... ..	12 33 52·28	77 25 26·17	$\frac{3420}{\dagger}$	66
Banavanakal h.s. ... <i>Bannawuncul</i>	Salem	On a hill, about 3½ miles W. of Basavanhalli, 2 miles S.E. of Kēmbathalli, and 6 miles S.S.W. of Táli at the junction of the roads from Hōsúr and Dēnkani-kota: táluk Hōsúr. 1802-6.	12 30 33·36	77 39 25·26	...	1770 1771
Bánávar h.s. ... <i>Bonapooram H.</i>	Bangalore	On the top of a detached hill, about ¼ of a mile S.W. of the railway station of Bánávar on the line from Túm-kúr to Bangalore: táluk Bangalore. The station was marked on the trunk of a tree S. of a pagoda. 1801.	13 4 19·06	77 32 28·09	...	4 14
Bandarangangudda Hill Pagoda <i>Bunda Rungangooda</i>	Bellary	Spire of pagoda on a low rock in the village of Bandarangangudda, E. of the village road from Tambarhalli to Mutakúr, and about 1½ miles N. by E. of the former: táluk Huvinahadgalli. 1813-14.	15 10 2·4	76 13 30·2	...	1269 1270
Bandhalli Masjid	Coimbatore	N. minaret of the masjid close to the large village of Bandhalli, about 7½ miles E.N.E. of the large village of Mangalam on the high road from Kōllegál to Bhaváni: táluk Kōllegál. 1867.	12 9 50·8	77 23 14·4	...	474
Bandhallidurga, LXI	"	<i>Vide page 18—A.</i> ... ..	12 12 10·33	77 22 41·43	$\frac{4275}{\dagger}$	83
Bandhallidurga h.s. <i>Bundhully Dr. S.</i>	"	About 42 feet W.N.W. of the principal station of Bandhallidurga. On a high peak locally known as Vikkárám-giri, about 3 miles N.N.W. of the large village of Bandhalli, and 9 miles S.W. of the confluence of the Arkavati and Cauvery rivers; the peak rises about 2,000 feet above Bandhalli village and 700 feet above a table-land on which stands a small village known as Bēttayúr: táluk Kōllegál. The station is denoted by a mark on the platform of a small building on the highest pinnacle of the drug, and is covered over by a pyramid of bricks several feet high. There is another building close to it to the west. 1803-6.	12 12 10·53	77 22 41·06	4282	1761
Bandikunta Hill Peak <i>Bundicoonta H.</i>	Nizam's Dominions	About ¼ of a mile N. of the village of Bandikunta, and 2½ miles S.W. of the large village of Induvási on the road to Darúr. 1816-17.	16 0 38	77 32 27	...	943

\* For another triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.  
† See description of this station.

† For triangles fixing this point, see the Synop-

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Bandlapallikōnda Hill Pillar ... <i>Wobledavurcondah</i>	Cuddapah	About a mile S. of the road from Talupula to Vēlichalmalai, and 2 miles S.E. of the former: táluk Kadiri. 1812.	14 13 25·72	78 19 31·98	feet ...	1475 1476 1477
Bandúr h.s. ... <i>Bundoor H.S.</i>	Bellary	On the highest part of a round, rocky and isolated hill, about 1½ miles N.N.W. of the village of Bandúr, and ¼ a mile W. of Bandúrs.: táluk Ráyadrug. The station consisted of a platform of earth and stones, 12 feet square, with a block of wood in the centre. When visited in 1871, the centre of the platform was dug up, and an isolated pillar, 4½ feet in height, was built. The mark cut on a half brick now inserted in its upper surface, 3 feet above the ground level, corresponds with the centre of the block of wood used by Colonel Lambton. 1812-13.	14 57 40·46	77 2 33·40	$\frac{1655}{3}$	364 365
Bandúr s. ...	"	About 1½ miles N. of the village of Bandúr, 1½ miles W. of the Hagari or Vedavati river, and 2½ miles E.N.E. of Údihal: táluk Ráyadrug. The station consists of a square platform level with the ground with cross lines on its surface to indicate the station mark. Astronomical observations for latitude were taken at this station. 1871.	14 57 42·32	77 3 4·09	$\frac{1447·50}{0}$	366
Bangalore Base-line N.E. End, LIII	Bangalore	<i>Vide page 16—4.</i> ...	13 4 56·05	77 41 43·41	$\frac{3016·41^*}{\dagger}$	63 76
Bangalore Base-line N. End s. <i>Base in 1804</i>	"	Close E. of Bánasvádi village, and 1½ miles N.W. by W. of Kóttúr Railway Station: táluk Bangalore. The station consists of a masonry platform about 4 feet square and 2½ feet high, having in the centre a large picket hooped at the top with iron, two inches of which appear above the masonry. When visited in 1865-66, it was identified and marked by a circle and dot (placed in the normal of the old mark) engraved on a stone embedded in the upper surface of an isolated pillar built over the old mark; this again is surrounded by a rough masonry platform 16 feet square and 4 feet high. 1804.	13 0 39·84	77 41 54·30	$\frac{3025}{4}$	462 463
Bangalore Base-line S. End s. <i>Base in 1804</i>	"	About ¼ of a mile W. by N. of Harlúr village, 1 mile N. of Kúdlu, and 1½ miles S. by E. of Agara on the road from Bangalore to Sarjápúr: táluk Bangalore. The station consists of a masonry platform about 4 feet square and 2½ feet high, having in the centre a large picket hooped at the top with iron, two inches of which appear above the masonry. When visited in 1865-66, it was identified and marked by a circle and dot (placed in the normal of the old mark) engraved on a stone embedded in the upper surface of an isolated pillar built over the old mark; this again is surrounded by a masonry platform 16 feet square and 5 feet high. 1804.	12 54 5·12	77 41 48·88	$\frac{2988\dagger}{5}$	461
Bangalore Base-line S.W. End, LII	"	<i>Vide page 16—4.</i> ... NOTE.—The station was reported in 1893 to have been completely destroyed.	13 0 40·91	77 37 27·37	$\frac{3125·75^*}{\dagger}$	62
Bangalore Church No. 1 ...	"	Spire of St. John's Church on St. John's Hill in the Cantonment, about 630 yards S.W. of the N.W. end of the Halsúr tank, and a little over a mile E. of the Cantonment Railway Station: táluk Bangalore. 1865-66.	12 59 26·2	77 39 17·7	3058§	457 458

\* To mark on roof of Observatory.  
Volume of the Madras Longitudinal Series.† See description of this station.  
§ To base of church.

‡ This value of height is in supersession of that printed in the Synoptical

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Bangalore Church No. 2 ...	Bangalore	Centre of tower of the Trinity Church in the Cantonment, about 500 yards S. of the S. end of the Halsür tank, and 1 mile E. by N. of the Convent and R. C. Cathedral: taluk Bangalore. 1865-66.	0 1 " 12 58 15'3	0 1 " 77 39 45'0	feet ...	459 460
Bangalore Flag-staff ...	"	Government House Flag-staff near the new Post Office, and N. of the public offices of the Mysore Government in the Cantonment, about $\frac{1}{2}$ of a mile N.E. by E. of the jail, and 1 mile S. by W. of the Cantonment Railway Station: taluk Bangalore. 1865-66.	12 58 50'3	77 38 3'3	[3035]	453
Bangalore Hill Pagoda <i>Bussawun P.</i> ...	"	The highest gopuram on a small isolated hill about $1\frac{1}{2}$ miles S. by W. of Bangalore fort, $\frac{1}{2}$ of a mile S.E. of Sunkenhalli hamlet, and 1 mile N.W. by N. of Yèdiyür village on the road from Bangalore fort to Kánkánhalli town: taluk Bangalore. 1804. The point was refixed in 1866-67.	12 56 25'9	77 36 35'3	...	454
Bangalore h.s. ... <i>Bangalore Old Pagoda</i>	"	On a hill, about a mile N.W. of Yèdiyür village on the road from Bangalore fort to Kánkánhalli town, and $1\frac{1}{2}$ miles S.S.W. of the former place: taluk Bangalore. The station is denoted by a mark in the centre of a platform. 1801.	12 56 19'15	77 36 15'98	[3049]	430
Bangalore Longitude s. ...	"	38 feet due N. of the principal station of Bangalore Base-line S.W. End: taluk Bangalore. 1876. The station was re-visited in 1837-88.	13 0 41'29	77 37 27'37	...	...
Bangalore Palace ... <i>Bangalore</i>	"	Centre of the palace in the fort: taluk Bangalore. 1801.	12 57 29'0	77 36 56'5	...	431
Bangalore s. ...	"	On the tower of St. Andrew's Kirk on the N. side of the General Parade Ground in the Cantonment, about $\frac{1}{2}$ of a mile nearly E. of the Government House, and 700 yards N.E. of St. Mark's Church: taluk Bangalore. 1866-67.	12 58 40'53	77 38 46'11	3003*	402 403
Bannergatta, XLII ... <i>Bonnairgottah S.</i>	"	<i>Vide page 14—A.</i> ...	12 48 38'37	77 37 0'73	$\frac{3269}{\dagger}$	58
Bardi h.s. ... <i>Berjic H.P.</i>	"	On the summit of a high rocky hill, a few feet W. of a pagoda and close to the wall that surrounds it, about $1\frac{1}{2}$ miles E. of the village of Bardi, $\frac{1}{2}$ a mile S. by E. of Chikkanhalli, the same distance W. of Tyágadhalli close to the railway line from Bangalore to Túmkúr, $\frac{1}{2}$ of a mile N. of Bèttahalli, and 5 miles N. by W. of Nèlamangala town: taluk Nèlamangala. The station is denoted by a mark on a square platform supported by stone pillars. 1801.	13 10 22'25	77 25 38'98	...	422 423
Barikalgudda h.s. ... <i>Burrikulgooda</i>	Bellary	On a round red top near the N.W. extremity of a long range of hills, about $2\frac{1}{2}$ miles W.S.W. of Hòspet town, $1\frac{1}{2}$ miles S. by W. of Amarávati village, and 1 mile N. of Gaurípúram at the junction of the high roads from Hòspet to Huvinahadgalli and Kúdligi: taluk Hòspet. The station is denoted by a pile of stones. 1813-14.	15 15 1'44	76 23 41'70	...	1249 1250

\* To top of parapet of steeple.

† See description of this station.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Basavangudda h.s. ...	Bangalore	On a rocky hillock about 200 yards W. of the high road from Devanhalli to Bangalore, 4½ miles N. of the Bangalore Cantonment Railway Station, and ½ a mile S. of Byatrāyanpur: taluk Bangalore. The station consists of a circular and isolated pillar of masonry, 1 foot high, with mark-stones at top and bottom, and surrounded by a platform of stones and earth. 1867-68.	13 3 16'70	77 37 56'02	feet 3083*	1726
Basavanhalli h.s. ... <i>Bussawapilly H.</i>	"	On a small detached hill of solid rocks, about ¼ a mile N.E. of the village of Basavanhalli, 1½ miles S. of mile-stone No. 23 on the high road from Bangalore to Kunigal, and 6½ miles S.W. of Nēlamangala town on the road from Bangalore to Tūmkūr: taluk Māgadi. The station is denoted by a heap of stones surrounded by a circle of stones. 1801.	13 2 26'55	77 21 38'79	...	428
Basvankote Fort ... <i>Bussuncottah</i>	Chitaldroog	N.E. angle of the fort about 2½ miles N. of Madihalli: taluk Jagalur. 1813-14.	14 40 3'0	76 9 56'1	...	1288
Batlapur Fort ... <i>Builahpoor</i>	Cuddapah	S.E. angle of the fort about ¼ a mile N.E. and S.E. of the villages of Garikanipalli and Daramvēndlapalli respectively, and 2 miles S.W. of the main road from Madanapalle to Kadiri: taluk Madanapalle. 1812.	13 43 20'2	78 21 4'9	...	1519 1520
Bēdudūr h.s. ... <i>Biddadoor H.P.</i>	"	On the tower of a pagoda on a small hill, about ¼ of a mile N. of the Chitrāvati river, 2 miles W. of Etūr, and 5 miles in the same direction from Kōndāpuram Station on the N.W. Line of the Madras Railway: taluk Jammalamadugu. 1812.	14 46 23'75	78 9 15'49	...	1555 1556
Beganūrmalai h.s. ... <i>Paradaxbeta</i>	Salem	On one of the hills along the E. bank of the Cauvery river, about a mile S. of the main road to Pēnnagaram, and 7½ miles W. of it: taluk Dharmapuri. 1813.	12 6 13'29	77 49 56'15	...	1757
Bēlagal s. ... <i>Bader Bellagul</i>	Bellary	About ¼ of a mile W. by S. of the village of Bēlagal on the high road from Kosgi to Rāichur, and 3¼ miles E. by N. of the former: taluk Adoni. 1813-14.	15 52 17'31	77 20 23'58	...	1049 1050
Bēlammarāyangudda h.s. ... <i>Bellumuroyenghutt</i>	Nizam's Dominions	On the ruins of a building on the highest point of a small isolated hill forming the western part of a fort, about a mile N.W. by W. of Karadkal, and 3¼ miles N.W. of the town of Lingsugūr. 1816-17.	16 9 58'04	76 32 10'09	...	1154 1155
Bellaguppa Fort ... <i>Bellagoopah</i>	Bellary	S.E. angle of the fort near the town at the crossing of the high roads from Rāyadrug and Bellary: taluk Rāyadrug. 1812-13.	14 42 44'3	77 10 42'8	...	1231 1232
Bellaguppa h.s. ... <i>Bellagoopah H.</i>	"	On a small hill about 3 miles S.S.W. of the town, 4½ miles N. of Chāpri, and 3¼ miles E. of the Hagari or Vedavati river: taluk Rāyadrug. 1812-13.	14 40 21'74	77 9 13'44	1977	1226 1227
Bellary Hill Fort (helio.) ...	"	Taluk Bellary. The point is marked by a circle and dot engraved on a stone embedded in a mass on chief battery on rock, 3 feet 10 inches S.E. of the flag-staff E. corner, and 7 inches W. of the arrow-head on the adjacent stone pointing to the dot. 1871.	15 8 49'45	76 57 11'37	1971	360 361

\* This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Bellary Longitude s. ...	Bellary	In the enclosure of the Telegraph Office, 97 feet due north of the Telegraph Office s.: táluk Bellary. 1876. The station was re-visited in 1888.	0 ' " 15 8 33'06	0 ' " 76 58 6'76	feet ...	...
Bellary Railway Station s. ...	"	Táluk Bellary. 1876. ... ..	15 8 40'03	76 57 55'80	...	357 358
Bellary Sessions Court s. ...	"	Táluk Bellary. 1876. ... ..	15 8 52'65	76 58 19'38	...	356
Bellary Telegraph Office s. ...	"	On the upper portion of the roof of the Telegraph Office: táluk Bellary. The station is marked by a circle and dot engraved on the roof, 20 feet 10 inches due S. of a second circle and dot engraved on the N. parapet of the building and used in connection with the Longitude Operations. 1876.	15 8 32'10	76 58 6'76	...	359
Betdásanpur h.s. ... <i>Timmaroyah H.P.</i>	Bangalore	On a hillock about $\frac{1}{4}$ of a mile W. of the small village of Betdásanpur, and 2 miles S. of the large village fort of Begúr: táluk Bangalore. The station is denoted by a mark on the N.W. bastion of a pagoda which is surrounded by a rampart. 1801.	12 50 22'62	77 40 12'66	...	488
Béttadmállappangudda h.s. ... <i>Bettad Mullapan H.S.</i>	Bellary	On the highest hill of a well-known range N. of Harpanahalli, and about 7 miles S. by E. of Huvinahadgalli: táluk Huvinahadgalli. The road to the station is from the village of Kulhalli on the south, about half way there is a temple on the slope, and on the summit there is a place of worship and a pile for lighting a lamp. The station is to the south of this pile, and is marked by a platform with a tree in the centre supported by a pyramid of stones. 1813-14.	14 55 35'70	76 0 24'39	3190*	1224
Bevinhalli Hill Pagoda <i>Davunhully</i>	Chitaldroog	Spire on a rock above the pagoda on the S. extremity of a range of hills running nearly N. and S., about $\frac{1}{4}$ a mile N. of the left bank of the Hagari or Vedavati river, $2\frac{1}{4}$ miles S.E. by S. of Mallapur village, and the same distance E.N.E. of Hagadhalli: táluk Hóialkère. 1813.	13 50 3'8	76 27 56'1	...	1390
Beypore Saw-mill ... <i>Baypoor Saw Mill</i>	Malabar	At the S. extremity of the N. bank of the Beypore river where it falls into the sea, on the high road to Calicut (Korikot), and about 6 miles S. by E. of it: táluk Calicut. 1808-9.	11 9 55	75 50 47	...	...
Bhanukotakõnda Hill Mark <i>Baunkote H.</i>	Cuddapah	On a flat-topped hill, about $1\frac{1}{4}$ miles N.E. of Teliki, and $2\frac{1}{4}$ miles N. by E. of Sunkesula village: táluk Pulivéndla. The point is denoted by a mark-stone embedded in a platform. 1812.	14 40 57'83	78 16 1'29	...	1559 1560
Bhanúr Hill ... ..	...	<i>Vide Mánvi Hill.</i> ... ..	...	...	...	...
Bhanúr Redoubt ... ..	...	<i>Vide Mánvi Redoubt.</i> ... ..	...	...	...	...
Bharamnýakandurga Platform <i>Burmnaikdroog</i>	Chitaldroog	On an isolated hill, close W.N.W. of the village of Bharamnýakandurga, about $2\frac{1}{4}$ miles E. of Kúlgatta, 4 miles N. by W. of Jájur, and $4\frac{1}{4}$ miles W. of Kandavádi: táluk Hóialkère. 1812-13.	14 10 54'8	76 10 16'1	[2519]	†

\* This value of height is in supersession of that printed in the Synoptical Volume of the Mangalore Meridional Series. see the Synoptical Volume of the Mangalore Meridional Series.

† For triangle fixing this point.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Bhasmángi Durga ... <i>Busmunggydroog</i>	Támkúr	On a conspicuous and fortified hill, about 2½ miles S.S.W. of Ugli on the road from Maddagiri to Madodi, 5 miles N.N.W. of Badavanhalli on the high road from Síra to Maddagiri, and 2½ miles N.W. of Shivangère: táluk Maddagiri. 1801.	13 44 45	77 43 7	feet ...	...
Bhaváni Temple ...	Coimbatore	At the S. extremity of the town, between the rivers Cauvery and Bhaváni, and close N. of their junction: táluk Bhaváni. 1870.	11 26 4'3	77 43 29'6	...	517 518
Bhúpatamma, XLIX ...	Kolár	<i>Vide page 15—A.</i> ... ..	12 59 46'52	78 8 9'03	$\frac{3699}{1}$	64
Biágávati Hill Tree ... <i>Beeagawutt H.P. tree</i>	Nizam's Dominions	Near a temple, about ¼ a mile W. by N. of Biágávati village. 1816-17.	15 59 46	76 55 38	...	...
Bíbípet Mosque ... <i>Bibipet mosque</i>	"	S.E. spire of the mosque on high ground, about 1½ miles E. of Narkoda village, 3¼ miles S.E. of the Musa-Musi river, and 1½ miles N.W. of the high road to Golconda. 1813-14.	17 15 41'9	78 24 18'8	...	843
Birámkónda Hill Mark ...	"	Highest point of a conspicuous hill projecting into the valley of the Kistna, about 2½ miles S.W. by W. of Náráyanpet town. 1871.	16 44 4'47	77 29 56'30	1996	176 177
Birankalgudda Hill Platform ... <i>Byranculgooda</i>	Chitaldroog	On the middle and highest peak of a range of hills, about 2½ miles N.N.W. of Tékavatti, and the same distance S.E. of Mahádevankatte village: The point is at the boundary of the táluks of Chitaldroog, Hólalkére and Hiriyúr. 1801.	14 4 5'21	76 24 56'14	[3856]	1352 1353
Bistuvalli Hill Pagoda ... <i>Wobledavurgooda</i>	"	On a small isolated hill about a mile N.W. of the village of Bistuvalli on the road from Kankuppa to Chitaldroog, 1½ miles N.E. of Somanhalli, and the same distance E.S.E. of Kóratikére village: táluk Jagalúr. 1813.	14 28 5'9	76 19 19'0	...	1370
Black s. ...	Madura	Also called Pulimpatti. In a black-soil field, about 4 miles N.E. of the principal station of Kutipárai, and 3½ miles W. of Arupukota: firka Tirushuli. The station consists of a solid pillar of masonry sunk to the level of the ground with a mark in its surface. In 1870 astronomical observations for latitude were taken at this station. 1871-73.	9 31 1'30	78 5 25'95	$\frac{349}{0}$	609 610
Bodabanda Hill Pagoda ... <i>Bodabunda</i>	Nizam's Dominions	On a fortified hill, about 2½ miles S. by W. of Gurmatkál town. 1813-14.	16 49 31'9	77 25 37'2	...	992 993
Bodabanda h.s. ... <i>Bolabunda H.</i>	"	On a hill, about 2½ miles E. of the S. portion of Báichur town. 1816-17.	16 11 29'99	77 26 13'17	...	227
Bodamalai, LXIII ...	Coimbatore	<i>Vide page 18—A.</i> ... ..	11 54 51'11	77 35 47'59	$\frac{4032}{1}$	82 84

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle		
Bodampád s. ... <i>Bodumpaud S.</i>	Nizam's Dominions	On high ground, about 1½ miles W.S.W. of Anantavaram, 1½ miles W.N.W. of Kukuúr, and 3½ miles S. by E. of Shahabad. The station consists of a mound of earth with two mark-stones, one on the surface of the ground and the other above it. 1813-14.	0 ' " 17 6 54' 20	0 ' " 78 11 7' 40	feet 2249	819		
Bodthagudda h.s. ... <i>Bodthagootah</i>	Anantapur	On a hill, about 5½ miles N.W. of Gooty Railway Station: taluk Gooty. 1813-14.	15 12 1' 26	77 36 29' 32	...	315 316		
Boglemárkõnda h.s. ... <i>Boglemauriconda</i>	"	On the highest hill in the neighbourhood, about 1½ miles N. of Nágasamudram, and 8½ miles W. by S. of Gooty: taluk Gooty. The station is denoted by a mark-stone in a circular platform. 1813-14. It was re-visited in 1871.	15 4 48' 46	77 32 34' 44	2346	284 285		
Bolarum Church ...	Nizam's Dominions	Centre of the tower of a church in Bolarum (Boláram). 1872.	17 30 56' 4	78 33 56' 9	1970*	811		
Bolarum Flag-staff ...	"	In the Residency. 1872. ...	17 30 15' 0	78 33 47' 3	1971†	789 790		
Bolarum Longitude s. ...	"	In the compound of the Public Works Office, 221'63 feet N. and 16'394 feet W. of Bolarum P.W.D. Office s., and 16'394 feet W. and 24'17 feet S. of the Longitude Station fixed in 1875-76. 1892.	17 30 13' 41	78 33 38' 30	...	...		
Bolarum Monument ...	"	Obelisk of Byam monument. 1872. ...	17 30 29' 9	78 34 9' 5	1959‡	795 796		
Bolarum Mosque ... <i>Burrasaidpett</i>	"	N. minaret of what is locally known as Buddha-Sáhib-pet mosque, about 1½ miles N.E. by E. of Bolarum Church. 1817-18.	17 31 43' 6	78 35 4' 5	...	801 802		
Bolarum P. W. D. Office s. ...	"	On the roof of the N.W. wing of the Public Works Office at Bolarum, a cantonment of the Hyderabad Contingent, 12'25, 32'5, 32'292 and 12'125 feet respectively from the N.E., N.W., S.W. and S.E. corners of the parapet of the roof. The station is marked by a circle and dot cut on the roof, covered by a masonry pillar 15 inches square and 12 inches high. 1875-76. When visited in 1892, the pillar was plastered and white-washed, and a capping stone marked thus <table border="1" style="display: inline-table; vertical-align: middle;"><tr><td>C. T.</td></tr><tr><td>S.</td></tr></table> embedded on its surface, the junction of the grooves being plumbed over the mark on the roof.	C. T.	S.	17 30 11' 21	78 33 38' 47	...	750
C. T.								
S.								
Bolikõnda Hill Peak ... <i>Bolecondrine H.</i>	Anantapur	About 3½ miles E. of Gooty town, and 1½ miles W. of Jakkulachõru Station on the N.W. Line of the Madras Railway: taluk Gooty. 1811.	15 6 29	77 44 46	...	830		
Bolikõnda h.s. ... <i>Bolecondah S.</i>	"	On a low, white and rocky hill, about ¼ a mile N.W. of Patakõtlachõru Station on the N.W. Line of the Madras Railway, and 9½ miles in the same direction from Gooty town: taluk Gooty. The station is marked by a circle engraved on a rock. 1813-14.	15 10 39' 27	77 33 27' 14	1685	292 293		

\* To top of battlements.

† To lower cross piece.

‡ To base of obelisk.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Bolkönda Drug ... <i>Bolcondah Dr.</i>	Salem	On a hill, about a mile W. by S., W.N.W. and E.N.E. respectively of Bimandahalli, Puliyanjéri and Mētamalai, the last-named being close N. of the road from Krishnagiri to Hösür: táluk Hösür. 1802-6.	12 37 1	78 9 23	feet ...	*
Bölligutta Tippa h.s. <i>Boligutt H.</i>	Nizam's Dominions	On a hill, about 1½ miles W. of Nizamkönda island in the Kistna river, and 3¼ miles E.S.E. of the large village of Anantapur. 1816-17.	16 9 13.94	77 57 7.92	...	930 931
Bömmanhalli h.s. ... <i>Bomanelly H.S.</i>	Támkúr	At the S.E. extremity of a short range of hills, about ¼ a mile N.W. of the small village of Bömmanhalli, 3 miles S.S.W. of the junction of the roads from Chiknáyakanhalli, Turuvekère and Tiptúr, and 1½ miles W.N.W. of Bannasandra Station of the Mysore State Railway: táluk Tiptúr. The station is denoted by a mark nearly on the centre of the platform of a pagoda. 1801-6.	13 16 13.86	76 40 46.53	3162	†
Bömmasandra s. ... <i>Boma Sundrum S.</i>	Anantapur	On some rising ground, about a mile W.S.W. of the village of Bömmasandra (Brahmasamudram), and 8 miles E. of Pēdda Manatúr on the E. bank of the Pēnner river where it is crossed by the high road from Madakasira to Pēnukönda: táluk Pēnukönda. The station is marked by a circle and dot engraved on a large stone placed level with the ground normally over another carrying a similar mark and buried deep in the ground. In 1806 astronomical observations for latitude were taken at this station. 1811.	13 59 36.34	77 31 11.14	2005	1699
Boyalgúdm Hill Pagoda ... <i>Boylgooda</i>	Nizam's Dominions	Of the village of Boyalgúdm which is about ¼ of a mile W.N.W. of a large tank, and 4½ miles N. of the Tungabhadra river. 1813-14.	15 59 55.9	77 33 54.2	...	342
Boyalmarchair Hill Pagoda ... <i>Boil Marchaid H.P.</i>	"	A small ruined pagoda on the E. summit of a small hill close S. of the village of Boyalmarchair on the road which passes through the large village of Kallur to the town and railway station of Káichur, and about 10 miles W. of Matmarri Railway Station. 1816-17.	16 1 37.9	77 11 51.4	...	1002
Boypalle Tomb ...	...	<i>Vide Secunderabad Tomb No. 1.</i> ...	...	...	...	...
Bráhnadöddi Hill Mark ...	Kurnool	On a small hill about a mile S.E. of the village of Bráhnadöddi, 1½ miles S.S.W. of Julakal, and 3¼ miles W. by N. of Gúdúr: táluk Rámallakot. The point is marked by a circle and dot engraved on a stone. 1871.	15 47 1.47	77 47 52.22	1458	345
Búdagávi Hill Mark ...	Anantapur	On the highest point of a small conspicuous hill about ¼ of a mile E. of the high road to Anantapur, the same distance N. of Búdagávi village, and 2 miles N.W. of Uravakönda: táluk Gooty. 1871.	14 57 59.34	77 16 38.74	1954	387 388
Budaguppa Hill Turret ... <i>Boodagoopah</i>	Nizam's Dominions	On a small isolated hill about 2½ miles E. by N. of the village of Budaguppa, 5¼ miles W. by N. of Singápur on the Tungabhadra river, and 7½ miles S.S.W. of Baodakönda. 1813-14.	15 34 27.8	76 46 49.7	...	1136

\* For triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

† For triangles fixing this station, see the Synoptical

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Budanampalli Fort ... <i>Boodenumpilly</i>	Cuddapah	S.W. angle of the fort about 2 miles N. of Kōdāvēndlapalli village near the right bank of Madduler river, and 1 mile W. of Chitravaripalli: táluk Kadiri. 1812.	14 29 39·5	78 0 19·1	feet ...	1440 1441
Budarám Hill Temple ...	Nizam's Dominions	Ball on the temple on a small hill S. of the Hyderabad-Sholápur (Solápur) road at the 47th mile-stone. 1872.	17 38 28·7	77 53 4·4	2013*	157
Bujanmalai Stone ... <i>Boojanmalli</i>	Cuddapah	Remarkable stone on a hill, about 2½ miles W. of Madhavaram village, 2½ miles N.N.E. of Yēguva Gōttivedi village, and ¼ a mile N. of the road from Ráyachoti to Kadiri: táluk Ráyachoti. 1812.	14 3 4	78 38 34	...	1609†
Bukkapatnam Palace ... <i>Bookoputnum</i>	Anantapur	Centre of the narrow palace at the S.E. extremity of the little fort of Bukkapatnam village, about ¼ of a mile W. of the Chitrávati river, and ¼ a mile N. of a large tank close to the high road to Dharmavaram: táluk Pēnukōnda. 1812.	14 12 1·0	77 50 29·2	...	1637 1638
Bunkaldōddi Hill Pagoda ... <i>Boonkuldōdi H.P.</i>	Nizam's Dominions	Spire of the pagoda on the high top of a hill, close W. of the village fort of Bunkaldōddi, and about 6 miles W. of Jalál. 1816-17.	16 21 50·2	76 44 21·3	...	1185 1186
Buradagunte Fort ... <i>Boorodgoontah</i>	Kolár	S.W. angle of the fort in the large village of Buradagunte, about ¼ of a mile W. of the Pápaghni river, 1½ miles N. of Apsánhalli, 1½ miles E. by N. of the small village of Anēpalli, 2½ miles W. of Motmákalhulli, and 2½ miles S.W. by S. of Devapalli: táluk Sidlagatta. 1812.	13 35 32·3	78 4 14·0	...	1689 1690
Byál h.s. <i>Bailippee H.S.</i>	Támkúr	On a hill, about 2 miles W. of the village of Byál, 4½ miles E. by S. of the town of Maddagiri, and 1½ miles N.E. by E. of Sēttihalli on the high road from Maddagiri to Dōdballapur: táluk Maddagiri. The station is denoted by a mark-stone in the middle of a square platform. 1811.	13 39 3·76	77 19 14·63	2778	1694
Calicut Flag-staff ... <i>Calicut</i>	Malabar	Immediately N. of the town of Calicut on the coast: táluk Calicut. 1808-9.	11 15 1·2	75 48 52·4	...	1861 1862
Calicut Light-house ...	"	Shaft of the light-house of the town: táluk Calicut. 1872.	11 14 55·1	75 48 51·2	...	1846
Cape Comorin s. ...	Travancore State	Also called Kanya Kumári. On the mandapam at the southernmost extremity of the mainland of India, about 300 yards S.E. of the Residency, and 83 yards N. of the Promontory, a separate islet rock. The mandapam is connected with the Kanya Kumári temple. The station is marked by a circle and dot engraved on a brick on the apex of the roof, 18·0 feet from the N.E. and S.W. corners, 18·2 feet from the S.E. corner, and 17·7 feet from the N.W. corner. 1888.	8 4 35·45	77 35 34·45	...	2076
Cape Comorin Base-line N. End, C	Tinnevely	<i>Vide page 26—A.</i> ... NOTE.—When visited by the Levelling Party in 1869-70, the station was found in good order.	8 14 28·39	77 44 19·15	$\frac{136·83†}{24·4}$	130 131

\* To top of ball on temple.

† To mark on summit of pillar.

† For another triangle fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Cape Comorin Base-line S. End, CI	Tinnevely	<i>Vide</i> page 27—A. ... .. NOTE.—When visited by the Levelling Party in 1869-70, the station was found in good order.	0 1 " 8 13 0' 43	0 1 " 77 44 9' 99	<i>feet</i> 129' 91* 21' 8	128 129
Chaid Fort ... .. <i>Cheaid Drg.</i>	Anantapur	Cavalier on the highest and S. point in the drug on a hill, about 9 miles E.S.E. of Anantapur, and 10 miles N.W. of Tádamani: táluk Anantapur. 1812.	14 38 7' 2	77 46 47' 6	...	1445 1446
Chaitwa Bungalow ... .. <i>Chitwa</i>	Malabar	On the coast, on the high road from Cochin to Calicut, about 3½ miles S.S.W. of Chaoghát, and 12 miles W. of the town of Trichúr: táluk Pónáni. 1810.	10 31 57' 7	76 4 26' 9	...	...
Chaklichimalai, LXXVI	Madura	<i>Vide</i> page 21—A. ... ..	10 26 56' 71	77 22 36' 59	$\frac{2374}{2}$	101
Chalamkote h.s. ... .. <i>Chalamcottah</i>	Kolár	On an isolated conical hill known as Murugamale, N. of the village of Chalamkote, about 2½ miles N. by W. of the 50th mile-stone on the high road from Hóskote to Ráyálpád, and 5½ miles N.N.E. of Chintámani: táluk Chintámani. 1812.	13 26 45' 42	78 10 1' 34	[3812]	1687 1688
Chandragudda h.s. ... .. <i>Chanderagudda</i>	Nizam's Dominions	On an idgah in the centre of a fort on the small hill of Chandragudda, about ¼ of a mile W. by S. of Dharmapur, ¾ miles N. of the Kistna river, and ¼ miles W. by N. of Amarchinta. 1813. The station was refixed in 1871.	16 23 13' 78	77 45 19' 76	1332†	178 179
Channaráydurga Hill Peak ... .. <i>Chenroyndroog</i>	Túmkúr	A conspicuous hill peak about ¼ a mile N. of the fort of Channaráydurga situated midway between the towns of Kóratagère and Maddagiri, and 2½ miles W. by N. of Dásarhalli which is ¼ a mile E. of the road from Maddagiri to Kóratagère: táluk Maddagiri. 1811.	13 35 46	77 15 0	[3737]	1700 1701
Chanugundla s. ... .. <i>Sunnygoondloo Dr.</i>	Kurnool	About 2½ miles W. of Pyalakurti, 3½ miles S.S.W. of Gúdúr, and 2 miles N.W. of the 19th mile-stone on the high road to Bellary: táluk Rámallakot. 1812.	15 43 41' 10	77 49 23' 72	...	244
Chapel No. 1 ... ..	Travancore State	N.E. gable of a chapel on the coast, about 12½ miles W. by N. of Cape Comorin, and 4 miles E. by S. of Kadiapatnam or Muttam light-house. 1888.	8 6 48' 8	77 25 11' 5	...	2078
Chapel No. 2 ... ..	"	N.E. gable of a chapel on the coast, about 9½ miles W. by N. of Cape Comorin, and 7 miles E. by S. of Kadiapatnam or Muttam light-house. 1888.	8 6 7' 5	77 27 22' 4	...	2079
Chapel No. 3 ... ..	"	N.E. gable of a chapel on the coast, about 8½ miles W. by N. of Cape Comorin, and 8 miles E. by S. of Kadiapatnam or Muttam light-house. 1888.	8 5 50' 2	77 28 30' 4	...	2080
Chávadipálaiyam s. ... ..	Coimbatore	On the high ground, about ¼ of a mile N.W. by N. of Kethanúr village on the high road from Udampet to Palladam, and 5 miles S.S.W. of the latter: táluk Palladam. The station consists of a platform of stones and earth, 3 feet high, with mark-stones at top and bottom. 1870.	10 55 18' 46	77 17 50' 59	$\frac{1394}{3}$	1923

\* To mark on summit of pillar.

† To top of ramparts.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Chávalpalle h.s. ... <i>Chawulpilly</i>	Nizam's Dominions	On a hill, about $\frac{1}{2}$ of a mile S.S.E. of the village of Chávalpalle. 1813-14.	0 1 " 17 2 5'50	0 1 " 78 10 21'82	feet ...	856
Chayabala Hill Pillar ...	Anantapur	In front of a small temple on a small hill about $\frac{1}{2}$ a mile N.W. of Chayabala village, 6 miles S.S.E. of Gadékal on the high road from Bellary to Guntakal, and 5 $\frac{1}{2}$ miles E. of Malapuram on the high road from Bellary to Anantapur: táluk Gooty. 1871.	15 2 17'26	77 19 0'14	1736	385 386
Chebala h.s. ... <i>Cheballah S.</i>	Nizam's Dominions	On the northern and highest part of a low hill, about $\frac{1}{2}$ of a mile N.N.E. of the village of Chebala, 200 yards W. of a large temple, and 1 $\frac{1}{2}$ miles S.W. by S. of Yérravalli. The station consists of a circle and dot deeply engraved on an immense slab of iron-stone embedded in the ground. 1813-14. When visited in 1872, Colonel Lambton's mark was found intact.	17 18 47'89	78 10 46'78	2180	744
Chegurti Pagoda ... <i>Shagoor</i>	"	About $\frac{1}{2}$ of a mile S.W. by S. of the village of Chegurti. 1818-19.	17 9 48'8	78 15 53'8	...	852
Chekkunnu h.s. ...	Malabar	On the highest point of a low range of hills lying E. and W., about 1 $\frac{1}{2}$ miles N.W. of Chátálar, 1 $\frac{1}{2}$ miles N. by E. of Urangátri village, and 3 $\frac{1}{2}$ miles E.N.E. of Ariákod on the S. bank of the Beypore river: táluk Érnád. The station consists of a platform of stones and earth, 10 feet square, with a circle and dot engraved on a large stone securely embedded in it. 1874.	11 15 25'27	76 8 21'75	1970	1814
Chéllappabétta h.s. ... <i>Chellappabetta</i>	Salem	On a point of a mass of hills in the S.E. portion of the táluk, about 2 miles S. of Thimmevú village, and 1 $\frac{1}{2}$ miles N. by W. of Biligundla: táluk Hósúr. 1802-6.	12 12 24'49	77 46 11'27	...	1747
Chelúr Fort ... <i>Chayloor</i>	Támkúr	N.W. angle of the fort on the high road from Síra to Nittur and near the crossing of the high road from Hágavádi to Támkúr: táluk Gubbi. 1801.	13 26 34'6	76 56 44'8	...	1724
Chelúr Fort Bastion ... <i>Chailoor</i>	Kolár	Over the gateway of the fort in the village of Chelúr, about 3 miles N. of Sadam, 1 $\frac{1}{2}$ miles S.E. by S. of Sherakhánkote, and 2 $\frac{1}{2}$ miles N.W. by N. of Yérraballi close to the road from Sadam to Madanapalle: táluk Bágépalli. 1812.	13 42 19'2	78 8 37'6	...	1656 1657
Chénchalpatkónda Hill Pillar ... <i>Chenchelputt H.</i>	"	On an isolated hill, about a mile S. of Jálavigáripalli, 1 $\frac{1}{2}$ miles E.S.E. of Dauleváripalli, 1 $\frac{1}{2}$ miles N.E. by N. of Maddalpalli, 1 $\frac{1}{2}$ miles W.S.W. of Battalvárpalli, and 5 miles W. by N. of the large village of Chelúr: táluk Bágépalli. 1812.	13 43 33'91	78 4 16'58	[3002]	1673
Chéndamangalam Synagogue ... <i>Chaindamunglum</i>	Travancore State	Jewish synagogue in the town. 1802-4. ...	10 10 1'7	76 17 20'3	...	1883
Chénjeri h.s. ...	Coimbatore	On the Shiva temple on a small hill rising about 150 feet above the village on its N.E. side, on the high road from Pólláchi to Palladam. about 1 $\frac{1}{2}$ miles S. by W. of Chénjeri, and 1 mile S.W. by S. of Kumárapálayam: táluk Palladam. The station is marked by a circle and dot engraved on the flat roof 35'66 feet E. by N. of the principal western vimánam, 29'26 feet from its E. face at level of roof, and 39'825 feet W.N.W. of the centre of the small gopuram over the S. entrance. 1870. NOTE.—As Colonel Lambton's station of Chenjaree H. (fixed in 1808) is very close, all his observations have been referred to this station.	10 49 39'81	77 14 6'99	1356*	1922

\* To roof of temple.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Chennampalli Hill Turret ... <i>Chenumpilly</i>	Kurnool	About $\frac{1}{2}$ a mile N. of the police station of Chennampalli, and 3 miles E.S.E. of Tuggali village at the junction of the high roads from Gooty and Maddikera to Pattikōnda: táluk Pattikōnda. 1818-14.	0 1 " 15 18 5' 2	0 1 " 77 38 11' 3	feet ...	832 333
Chēnnarám-mallappa Turret ... <i>Shennarum Mullapak</i>	Nizam's Dominions	N. circular turret on a hill, about $2\frac{1}{2}$ miles E. by N. of Yēddavali. 1820-21.	16 53 16' 4	78 32 52' 4	...	...
Chēnnimalai, LXIX ... <i>Shennimali S.</i>	Coimbatore	<i>Vide</i> page 19—A. ... ..	11 9 21' 00	77 37 43' 25	1750' 26* 1' 7	91
Chēnnimalai Hill Pagoda ... <i>Shennimali</i>	"	On the E. slope of the hill, about 425 yards E.S.E. of the principal station of Chēnnimalai: táluk Erode. 1808.	11 9 17' 2	77 37 55' 4	...	1979
Chēnnimalai Hill Temple No. 1	"	Small vimánam of the temple higher up on the slope of the hill, about 380 yards E. by N. of the principal station of Chēnnimalai: táluk Erode. 1870.	11 9 21' 5	77 37 54' 6	...	548 549
Chēnnimalai Hill Temple No. 2	"	Tall gopuram of the lower temple on the E. slope of the hill, about 545 yards E. of the principal station of Chēnnimalai: táluk Erode. 1870.	11 9 21' 0	77 37 59' 5	...	550 551
Chēnráyankōnda Hill Pagoda ... <i>Chenroyncōnda</i>	Anantapur	About $2\frac{1}{2}$ miles W. of Pēddōdi village, 7 miles W. of Gooty town, and $3\frac{1}{2}$ miles S.W. by W. of Rájapuram on the road from Bellary to Gooty: táluk Gooty. 1818-14.	15 6 6' 2	77 34 32' 1	[1169]	320 321
Chetkuli h.s. ... <i>Chaitcoe Rook</i>	Coimbatore	About $\frac{1}{2}$ of a mile S. of the Cauvery river, and $2\frac{1}{2}$ miles E. of Káveripuram: táluk Bhaváni. 1818.	11 54 4' 92	77 50 46' 60	...	1756
Chhota Maula Ali Hill Temple	...	<i>Vide</i> Secunderabad Hill Temple. ... ..	...	...	...	...
Chikalgurki s. ...	Anantapur	On a slight rise of ground, close to a group of very large boulders, about a mile N.W. of the village of Chikalgurki, $2\frac{1}{2}$ miles W S.W. of the high road from Bellary to Anantapur, and $2\frac{1}{2}$ miles E.N.E. of Páltúr: táluk Gooty. The station consists of a solid isolated pillar of masonry, $4\frac{1}{2}$ feet in height, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1871	14 59 4' 53	77 13 33' 57	$\frac{1516}{3}$	362 363
Chikkanamangalam h.s. ... <i>Chickanagmunlum</i>	Túmkúr	On the summit of a hill, about $1\frac{1}{2}$ miles E. of Kitlaman-gala, and $\frac{1}{2}$ of a mile W. by N. of Rájgēre: táluk Kunigal. The station was denoted by the trunk of a large palmyra tree surrounded by bushes. 1801.	12 58 8' 35	77 6 28' 67	...	427
Chikkapalli h.s. ... <i>Chickapilly S.</i>	Kolár	On a low hill, about $\frac{1}{2}$ of a mile S.W. of Gadimanchen-halli, $1\frac{1}{2}$ miles N. by E. of Bōmmahalli, $4\frac{1}{2}$ miles N.W. by W. of Dibbúrhalli close E. of the road from Bágen-halli to Chintámani, and $2\frac{1}{2}$ miles S.S.W. of the large village of Sádali: táluk Sidlagatta. The station consists of a platform with a tree in the centre supported by a pyramid of stones, a few feet S. of a place of worship. 1812.	13 35 32' 58	77 53 36' 07	[3198]	1614

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3.5 feet.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Chilkalnerpu Fort ... <i>Chillaculnerp</i>	Kolár	Square bastion over the E. gateway of the fort of the village of Chilkalnerpu, about 1½ miles W. by S. of the large village of Sadam, 1½ miles S.W. of Chinna-ráyanpalli, and 2½ miles N. of Yénnagadéle: táluk Sidlagatta. 1812.	13 39 22·4	78 7 4·1	feet ...	1667 1668
Chinna Chéppalli h.s. ...	Cuddapah	On a hillock forming portion of the bund of the Érgé-palle stream, about ¼ a mile S. of the village of Chinna Chéppalli, and 2 miles N. by W. of Matsanúr: táluk Cuddapah. The station consists of a platform of stones and earth, 2 feet high and 8 feet square, with a mark-stone in the surface. 1872.	14 32 15·10	78 39 4·63	515·32*	1410
Chinnagara h.s. ... <i>Jinnagra H.</i>	Bangalore	On the top of a small isolated hill about ¼ of a mile N.N.E. of the village of Chinnagara, and 3¼ miles S.E. by E. of Hóskote travellers' bungalow: táluk Hóskote. The station is denoted by a mark at the foot of a stone pillar. 1801.	13 2 29·57	77 52 4·65	[3013]	441
Chinna Kotla Fort ... <i>Chinnacottah</i>	Anantapur	Flag on the gateway on the W. face of the fort about ¼ of a mile off the right bank of the Chitrávati river, 5½ miles E. by S. of Tádmari, and ¼ of a mile S.E. of Pédá Kotla Fort: táluk Anantapur. 1812.	14 32 20·7	77 59 25·6	...	1449
Chinnaráyngutta Hill Temple	...	<i>Vide</i> Hyderabad Hill Temple. ...	...	...	...	...
Chinna Tándrapád Fort ... <i>Thaundrapaud</i>	Nizam's Dominions	S.W. angle of the fort of the village of Chinna Tándrapád, close N. of a large tank, and about 2½ miles N. by E. of Somapuram on the left bank of the Tungabhadra river. 1818-14.	15 56 32·5	77 41 50·1	...	267
Chinna Téppasamudram Pagoda <i>Chinni Típsundrum</i>	Cuddapah	Platform of the pagoda in the fort, about ¼ a mile N. of the main road from Váyalpád to Gumma Samudram, and 4½ miles W. of the former place: táluk Madanapalle. 1812.	13 38 45·3	78 36 24·1	...	1527
Chinna Tumbalam Turret ... <i>Chinni Tbumul</i>	Bellary	On a hill, about ¼ a mile S.W. of the village of Chinna Tumbalam, 1 mile S.E. of the high road to Ráichur, and 5 miles E. of the Madras Railway Line: táluk Ádoni. 1818-14.	15 47 23·0	77 20 59·5	...	1060 1061
Chinna Ubuledevarakónda Pagoda <i>Chinni Wobledavurcondah</i>	Cuddapah	On a hill, about 1½ miles N. of the village of Konepet on the high road from Pulivéndla to Ráyachoti: táluk Ráyachoti. 1812.	14 14 2·3	78 41 29·0	...	†
Chintágunta h.s. ... <i>Chintalcoonta</i>	"	On the N.E. angle of a hill fort, about a mile S. of the high road from Bellary to Madras, and 3¼ miles W. of Muddanúr Station on the N.W. Line of the Madras Railway: táluk Jammalamadugu. 1812.	14 41 41·23	78 23 13·38	...	1598
Chintákómmadinne Hill Platform <i>Chintakomdinna</i>	"	About 2½ miles W.S.W. of the large village of Chintákómmadinne, and 6 miles S.W. of the town of Cuddapah: táluk Cuddapah. 1812.	14 24 53·2	78 48 22·9	...	1608
Chintalakónda h.s. ... <i>Chintalecondah</i>	Kurnool	On a red turret on a small hill to the N. of the village of Chintalakónda, about 7¼ miles E. of Tuggali village at the junction of the high roads from Gooty and Maddikera to Pattikónda, and 4 miles S.S.E. of Pendi-kal: táluk Pattikónda. 1813-14.	15 19 26·85	77 41 53·83	...	280 281

\* To dot in centre of circle.

† For triangle fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Chintalapalli h.s. ... <i>Chintelpilly H.</i>	Anantapur	On a range of hills, about 1½ miles W. by N. of the village of Chintalapalli, and 2½ miles E. by N. of Kúmmamala: táluk Tadpatri. 1812.	14 43 41·88	78 1 8·16	feet ...	1548 1549
Chintalgat Hill Fort ... <i>Chintelgutt</i>	Nizam's Dominions	Gateway of the fort about 1½ miles N.W. by N. of Kotúr, and 3½ miles W.N.W. of Kamkoal Dák Bungalow on the road from Hyderabad to Sholápur. 1814-15.	17 40 12·8	77 47 49·1	...	144
Chintalikunta, XVIII	Ráichur	<i>Vide page 9—A.</i> ... ..	16 20 49·90	77 2 16·98	$\frac{1754}{3}$	28
Chintámani Hill Tree <i>Chintominee H.</i>	Kolár	Large tree on a small isolated hill on the W. side of the town of Chintámani: táluk Chintámani. 1812.	13 24 14	78 5 41	[3168]	1686
Chippigiri Drug ... <i>Chippigherry Droog</i>	Bellary	On a small isolated hill about ¼ of a mile N.E. of the village of Chippigiri close to the junction of the high roads from Álúr to Gooty and Nanchéra Station on the N.W. Line of the Madras Railway, 3½ miles W.S.W. of the latter, 3½ miles E.N.E. of Yérúr village, and 5½ miles N.E. by N. of Bantanahal Station of the Southern Mahratta Railway: táluk Álúr. 1811.	15 13 55	77 21 43	...	...
Chippigiri Hill Tree	"	On the highest point of a small isolated hill, about 40 yards S.S.W. of Chippigiri Drug: táluk Álúr. 1871.	15 13 55	77 21 43	1685	...
Chippigiri Pagoda ... <i>Chippigherry P.</i>	"	Close to the village of Chippigiri, and about 345 yards S.S.W. of Chippigiri Drug: táluk Álúr. 1811.	15 13 46·5	77 21 38·7	...	324
Chitaldroog Flag-staff <i>Chittle Droog</i>	Chitaldroog	On the N. extremity of a hill, about ¼ of a mile S.W. of the town, and the same distance N. of a temple on the same hill: táluk Chitaldroog. 1813.	14 13 0·1	76 26 15·6	...	1354 1355
Chitrabanda Pagoda <i>Chittrabunda</i>	Bellary	On a rock on the N.W. bank of the Hagari or Vedavati river, about 1½ miles E.N.E. of Bhúpsamudram, and 9½ miles E.S.E. of Ráyadrug: táluk Ráyadrug. 1813.	14 38 12·0	77 1 43·6	...	1236
Chittavádigi Pagoda ... <i>Chitwaddy</i>	"	In a fort about ¼ of a mile N.W. of the village of Chittavádigi, 1½ miles in the same direction from Hóspet town, and 1½ miles W. by S. of Hóspet Railway Station: táluk Hóspet. 1813-14.	15 17 7·6	76 24 43·3	...	1261
Chittiganpalli h.s. ... <i>Chittiganpilly</i>	Kolár	On an isolated hill, about 1½ miles E.N.E. of Chigatigálgutte, 1½ miles N.W. by N. of Rákalgundpalli, 2½ miles W. of the large village of Chelúr, and 2½ miles S. by E. of Nállagutpalli: táluk Bágépalli. The station is denoted by a mark in a platform. 1812.	13 42 11·87	78 6 37·41	[2899]	1658 1659
Chokampati Hill Peak	Travancore State	At the S. end of a range of hills, about 6½ miles W.N.W. of the village of Chokampati. 1873-74.	9 9 41	77 18 27	5351	632 633

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Chuangiridurga Stone <i>Choreegherry</i>	Anantapur	About 3½ miles E. of Hottetimmanhalli, and 4½ miles N.W. of Hottébetta on the main road from Madödi to Pávagada: taluk Madakasira. 1813.	13 55 13·6	77 8 46·7	feet [3349]	1888
Chúkkalúr Pagoda <i>Sookooloor</i>	"	In the village of Chúkkalúr on the high road from Tadpatri to Bellary, and about 2 miles N.N.W. of the point where it crosses the Pénner river: taluk Tadpatri. 1812.	14 56 46·0	78 1 32·4	...	1576
Chyági s. <i>Chaggy S.</i>	Bellary	At the S.E. angle of a fort close S. of the village of Chyági, about ¼ a mile S.E. of the Tungabhadra river, and 5 miles W.S.W. of Hálwi: taluk Adoni. The station consists of a platform with a tree in the centre supported by a pyramid of stones. 1813-14.	15 51 16·86	77 5 30·34	...	1032
Cochin Flag-staff <i>Cochin</i>	Cochin State	N.W. of the town on the S. bank and at the mouth of the creek or back-water. 1810.	9 57 59·1	76 17 4·0	...	1884 1885
Coimbatore Church	Coimbatore	Base of the cross on the dome of the Roman Catholic Church near the old fort, between the town and the railway line, and about ¼ of a mile nearly S. of the railway station: taluk Coimbatore. 1870.	10 59 38·7	77 0 25·4	1428*	1955 1956
Coimbatore Palace <i>Coimbetoor</i>	"	Highest turret of the palace in Coimbatore: taluk Coimbatore. 1808-9.	10 59 33·6	76 59 46·0	...	1991 1992
Coimbatore s.	"	On the roof of the dwelling house of the Superintendent of the Central Jail, about 1½ miles N.E. of the town, and 1 mile N. of the Race Course: taluk Coimbatore. The station is marked by a circle and dot cut on a piece of lead let into the roof, 19·3 feet from the N.E. corner, 19·2 feet from the S.E. corner, and 15·2 feet from the E. edge of the roof, and about 2 yards E. by S. of the station observed at in 1870. When visited in 1880, the station was found in perfect preservation. 1874. NOTE.—As no trace of the station fixed on the roof in 1870 was found, all previous observations have been referred to this station.	11 0 36·16	77 0 38·66	1433† 35	1927
Cuddapah Chattram	Cuddapah	On the chattram or rest-house about ¼ of a mile N.W. of the town: taluk Cuddapah. The point is marked by a circle and dot cut in the centre of the roof. 1872.	14 29 10·27	78 51 15·86	437	‡
Cuddapah Dargah	"	Centre of the dome of Ghumez dargah in the western portion of the town: taluk Cuddapah. 1872.	14 28 47·9	78 51 45·7	463	‡
Cuddapah House No. 1 (helio.)	"	On the Court Sarishtadar's terraced house in the cantonment: taluk Cuddapah. The point is denoted by a mark-stone fixed in the flat roof, 3·5 feet from the east terrace wall and about midway between the N. and S. terrace walls. 1872.	14 29 49·69	78 50 20·19	434	‡
Cuddapah House No. 2 (helio.)	"	On Rhaddy's house in old or Pata Cuddapah, about 1½ miles N.N.E. of the town: taluk Cuddapah. The point is marked by a circle and dot cut on the roof. 1872.	14 29 55·59	78 52 33·42	426	‡

\* To base of cross 10½ feet above summit of dome. † To roof of house.

‡ For triangle fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Cuddapah House No. 3 (helio.)	Cuddapah	On the S. store-room of Mr. Andree's house S. of the town: taluk Cuddapah. The point was denoted by a mark-stone fixed in the centre of the roof. 1872.	14 28 1'39"	78 52 0'12"	feet 454	*
Cuddapah House No. 4 (helio.)	"	On the S.W. room of the second story of Mr. Smith's house S. of the town, and near the Judge's Court: taluk Cuddapah. The point was denoted by a mark-stone let into the grass roof. 1872.	14 27 58'55"	78 51 50'65"	467	*
Cuddapah House No. 5 (helio.)	"	On Mr. Cochran's house, a large high building with a tower at the S.W. end and adjoining the railway grounds near the station: taluk Cuddapah. The point is marked by a circle and dot cut on the roof, 15 feet 8'75 inches from the N.E. angle, 6 feet 4'75 inches from the N.W. angle, and 34 feet from the N.E. corner. 1872.	14 27 10'88"	78 52 13'85"	488	*
Cuddapah Idgah Point No. 1 ...	"	North minár of the idgah near the cantonment and irrigation canal, and about $\frac{1}{4}$ of a mile W. of Gudúr village. The idgah extends N. and S., and its length is 96 feet 7 inches measured from the centre of each minár: taluk Cuddapah. 1872.	14 29 49'8"	78 50 33'8"	448	*
Cuddapah Idgah Point No. 2 (helio.)	"	On the E. side of the platform of the idgah near the cantonment and irrigation canal, and about $\frac{1}{4}$ of a mile W. of Gudúr village. It is 73, 101'5 and 76 feet respectively from the centres of the bases of the south minár, north minár and centre kaman: taluk Cuddapah. The point is denoted by a mark-stone embedded in the platform. 1872.	14 29 48'96"	78 50 34'43"	414	*
Cuddapah Judge's Court (helio.)	"	On the highest part of the roof of the Judge's Court, 11 feet 2'75 inches, 14 feet 9 inches and 1 foot 9'75 inches respectively from the N., S. and E. terrace walls: taluk Cuddapah. The point is denoted by a mark-stone fixed in the roof. When visited by the Levelling Party in 1880-81, the mark-stone was found in good preservation. 1872.	14 28 13'66"	78 51 52'33"	457'04†	*
Cuddapah Mark No. 1 (helio.)	"	Close to a nala running N. and S. near the grave-yard, and 78 feet W. of the 8th stone counting from the N.E. side of the road, which marks the Municipal limit of the town: taluk Cuddapah. The point is denoted by a mark-stone embedded in the ground. 1872.	14 28 47'78"	78 52 29'30"	417	*
Cuddapah Mark No. 2 (helio.)	"	On a small mound near the cart-track between Chinsot-palli and Gutanpalli villages, about $\frac{1}{4}$ of a mile from the former, $\frac{1}{4}$ a mile N.E. of the railway line, and 1 mile S.W. of the town: taluk Cuddapah. 1872.	14 28 11'05"	78 51 11'59"	433	*
Cuddapah Masjid ... ..	"	South minár of the cantonment masjid W. of the fort, close to the irrigation canal, and about 2 miles N.W. of the town: taluk Cuddapah. 1872.	14 30 8'3"	78 50 19'8"	429	*
Cuddapah Mosque ... .. Cuddapah	"	S. minaret of the mosque in the fort: taluk Cuddapah. 1812.	14 28 40'5"	78 51 48'1"	...	1606 1607

\* For triangle fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

† To mark-stone on roof.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Cuddapah Racket Court ...	Cuddapah	Top of the north end of the wall, about $\frac{1}{2}$ of a mile W. by S. of the town: táluk Cuddapah. 1872.	14 28 45·2	78 51 1·6	feet 452	*
Cuddapah Railway Station (helio.)	"	On the inner wall on the roof of the railway station, 2 feet 9·25 inches W. of the N.E. corner, and 25·46 feet above the rails: táluk Cuddapah. The point is marked by a circle and dot. When visited by the Levelling Party in 1880-81, the mark was found in good preservation. 1872.	14 27 0·08	78 52 20·34	477·18†	*
Cuddapah School (helio.) ...	"	On the centre of the roof of the school-room in the eastern portion of the town and opposite the travellers' bungalow: táluk Cuddapah. The point is marked by a circle and dot. 1872.	14 28 40·81	78 52 17·80	438	*
Cuddapah Temple ...	"	Centre of the gopuram. In a village locally called Devani Cuddapah, about a mile N.E. of the town: táluk Cuddapah. 1872.	14 29 29·4	78 52 41·5	468	*
Cuddapah Tomb (helio.) ...	"	On the N.E. side of the slanting roof of Mútiyálishesh tomb close S.E. of the town: táluk Cuddapah. The point is marked by a circle and dot engraved on the roof, 13 feet 4 inches and 12 feet 3·5 inches respectively from the east and north corners. 1872.	14 28 33·19	78 52 24·65	431	*
Dáditota Fort ... <i>Dodihota</i>	Anantapur	S.E. angle of the fort near the village of Dáditota on the W. bank of the Chitrávatí river, and about $1\frac{1}{2}$ miles N. of the high road from Anantapur to Pulivéndla: táluk Tadpatri. 1812.	14 35 31·8	78 0 21·0	...	1438
Dampetla Fort ... <i>Dumpetlah</i>	"	S.E. angle of the fort on the right bank of the Chitrávatí river, and about 2 miles W. of the large village of Uppalapádu on the same river: táluk Dharmavaram. 1812.	14 27 41·3	77 55 46·3	...	1452
Dampetla h.s. ... <i>Dumpetlah H.</i>	"	On an isolated hill, about 3 miles S. of the Chitrávatí river, and 4 miles W.N.W. of Kóttapalli village close to the road from Bellary to Kadiri: táluk Dharmavaram. 1812.	14 25 13·65	77 55 17·62	1952	1435 1436 1437
Dandakónnda Hill ...	Kurnool	Highest point of a high, rugged and isolated hill, about $1\frac{1}{2}$ miles S. of Eddupénta village, and $3\frac{1}{2}$ miles N.W. of the high road from Gooty to Kurnool: táluk Pattikónnda. 1871.	15 20 18	77 47 49	2198	...
Daroji Hill Fort ... <i>Darojee Dr.</i>	Bellary	About $\frac{1}{2}$ a mile N.W. of the N. extremity of the Daroju lake, $\frac{1}{2}$ of a mile S.W. of the village of Daroju on the road from Kampli to Bellary, and 2 miles S.S.E. of Devalápuram at the junction of the same road with that from Kamalápuram: táluk Hóspet. 1818-14.	15 15 22	76 41 59	...	...
Darúr, XVI ... <i>Daroor H.S.</i>	Ráichur	<i>Vide page 9—4.</i> ... ..	16 13 35·40	77 42 3·69	$\frac{1796}{3}$	23

\* For triangle fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

† To circle and dot mark on roof.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Darúr Fort ... <i>Darroor</i>	Nizam's Dominions	Northern of two bastions near the gateway of the fort about 7 miles W. of Gadvál. 1813-14.	16 13 51·9	77 44 15·8	<i>feet</i> ...	219
Dēnkanikota Fort ... <i>Denkanicottah</i>	Salem	About $\frac{1}{2}$ a mile W. by N. of the town of Dēnkanikota, and at the junction of the roads from Tāli and Hōsūr to Dēnkanikota: tāluk Hōsūr. 1802-6.	12 31 50	77 49 47	...	*
Derbētta Hill Mark ...	Malabar	Also called Bear's Hill. On one of a high range S. of the Nīlgiri group, about 3 miles S.S.W. of Avalanche Bungalow, $4\frac{1}{2}$ miles W. of Kilkūnda, and 5 miles S.W. of the Coimbatore district boundary. The point is denoted by a pile of stones over an old survey mark. 1880.	11 15 44·93	76 37 24·86	8299	1959
Devādēlabētta, XXX ...	Anantapur	<i>Vide page 12—A.</i> ...	14 33 36·15	77 10 4·16	$\frac{2430}{1}$	43
Devādēlabētta h.s. ... <i>Davaudalbetta S.</i>	"	About 112 yards W.S.W. of the principal station of Devādēlabētta: tāluk Dharmavaram. The station is marked on a rock. 1812.	14 33 34·66	77 10 1·16	2478	1225
Devadurg Hill Pagoda <i>Deo-droog</i>	Nizam's Dominions	A small ruined pagoda on the N.E. point of a group of low hills, about $\frac{1}{2}$ of a mile E. of the town, and $\frac{1}{2}$ of a mile S.E. of Gauramapet village. 1816-17.	16 24 57·7	76 59 32·2	...	1209 1210
Devanakōnda h.s. ... <i>Davuncondah</i>	Kurnool	On the easternmost peak of a small isolated hill S. of the village of Devanakōnda, and about $1\frac{1}{2}$ miles S.E. of the high road from Bellary to Kurnool: tāluk Pattikōnda. 1813-14.	15 32 0·69	77 35 34·10	1632	261 262
Devanhalli Fort <i>Deonelly</i>	Bangalore	N.W. angle of the fort of the town: tāluk Devanhalli. 1801.	13 14 55·0	77 45 0·5	...	449
Devanhalli s. <i>Deonelly Station</i>	"	About $1\frac{1}{2}$ miles N.E. by N. of the travellers' bungalow, and close to the 31st mile-stone on the road from Kolār to Devanhalli: tāluk Devanhalli. 1801.	13 15 20·73	77 46 6·90	...	448
Devanúr s. ...	Nizam's Dominions	On the high ground on which Dharmapuram village once stood, 150 feet S.W. of a very large tree, 400 feet W.S.W. of a carved figure below another tree, about $\frac{1}{2}$ of a mile S. by E. of Devanúr village, $1\frac{1}{2}$ miles E.S.E. of Gorēpalle, and the same distance S.W. of Dubēchērla. The station consists of a solid isolated pillar of masonry, $4\frac{1}{2}$ feet in height and $1\frac{1}{2}$ feet square, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1872.	17 11 0·43	77 43 34·59	$\frac{1593}{3}$	150 151
Devarabētta, LV ...	Salem	<i>Vide page 17—A.</i> ...	12 37 27·24	77 40 4·55	$\frac{3365}{3}$	67
Devarabētta h.s. ... <i>Deorabetta S.</i>	"	On a pagoda about 40 yards E. of the principal station of Devarabētta: tāluk Hōsūr. The station is denoted by a small mill-stone on the platform of the pagoda. 1801-6.	12 37 27·29	77 40 5·69	3371	404 405

\* For triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Devaragat Hill Rock ... <i>Deywurugutt H.</i>	Nizam's Dominions	About 385 yards S.W. of Devaragat h.s. 1816-17. ...	16 6 29	77 43 46	feet ...	982
Devaragat h.s. ...	"	On a low hill, about 8½ miles S. of Darúr, ¼ of a mile W.S.W. of Sarvinepali village, and 1¼ miles S. of Maludukal. The station consists of a solid isolated pillar of masonry, 4½ feet in height, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1871.	16 6 37' 27"	77 43 53' 39"	1332 3	232 233
Devaragudda Hill Pagoda ... <i>Davurgooda P.</i>	"	About 1¼ miles W.N.W. of the fort of Shivapuram village close to the left bank of the Tungabhadra river. 1813.	15 21 25' 1"	76 22 44' 6"	...	1271 1272
Devarakadra Fort ... <i>Davarkudder</i>	"	S.W. angle of the fort of the town. 1813. ...	16 37 11' 8"	77 53 1' 9"	...	194
Devarakõnda, XXVIII	Anantapur	<i>Vide page 11—A.</i> ...	14 40 29' 41"	77 41 24' 49"	1836 3	38
Devarakõnda Hill ...	Cuddapah	Also called Timmanayanipálémkõnda. Highest point of a conical hill, one of a group of small hills, about 1½ miles E. of the Madduler river, the same distance S. of the large village of Dorigal, and 1 mile W.S.W. of Timmanayanipálém village: táluk Kadiri. 1872.	14 23 33	78 6 27	2309	...
Devarakõnda Hill Pillar ... <i>Davurcondah</i>	Anantapur	Close to the boundary of the táluks of Dharmavaram and Pénukõnda, about 3 miles W.N.W. of Kodapanipalle village on the high road from Bangalore to Dharmavaram, and 1¼ miles N.W. of Dantlapalle: táluk Pénukõnda. 1812.	14 14 59' 82"	77 45 8' 23"	...	1634
Devarakõnda No. 1 h.s. ... <i>Davurcondah S.</i>	"	On a rugged-topped hill, about 20 yards N.E. of the principal station of Devarakõnda: táluk Anantapur. The station is marked by a small millstone with a hole in its centre, surmounted by a small pillar of stones which is surrounded by a small circular platform of masonry. 1811.	14 40 29' 84"	77 41 24' 89"	1821	294 295
Devarakõnda No. 2 h.s.* ... <i>Davurcondah</i>	Nizam's Dominions	On the highest part and towards the N.E. angle of the hill fort of the town. The station is denoted by a mark-stone embedded about 2 yards S. of the centre of a platform of stones raised for a gun. 1812.	16 42 20' 73"	78 58 5' 68"	1420	956
Devarakõnda No. 3 h.s. ... <i>Mulkavaimlah</i>	Cuddapah	On the S.E. extremity of a mass of hills, very close to the boundary of the districts of Cuddapah and Anantapur, and about 2 miles N.W. by N. of Malakavemala village which is ¼ a mile S.W. of the crossing of the main roads from Bellary to Kadiri and from Pénukõnda to Pulivéndla: táluk Kadiri. 1812.	14 16 14' 46"	78 4 27' 64"	...	1455 1456
Devaráyadurga h.s. ... <i>Devaroyadroog</i>	Túmkúr	On a flat rock on a fortified hill, the summer retreat for the people of Túmkúr, about ¼ a mile E. by N. of Devaráyadurga, 2¼ miles N.W. by N. of the large village of Urudugère on the road from Körtagiri to Dobbset, 2 miles S.W. of Nágenhalli, and 7¼ miles E. by N. of Túmkúr town: táluk Túmkúr. The station is denoted by a mark on the rock a little to E. of a large stone. 1803-6.	13 22 20' 92"	77 15 16' 24"	3896	418 419

\* This station is the same as Devarakõnda h.s. of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Devarbëtta Hill Mark ...	Níliri	On apparently the highest point on the S.E. edge of the Níliri group, about $\frac{1}{2}$ a mile W. of the high road from Mettupálayam, and $\frac{1}{2}$ of a mile S. by W. of Karákok village: revenue division Merkunád. The point is denoted by a pile of stones over an old survey mark. 1880.	11 18 32·19	76 51 35·97	<i>feet</i> ...	1957 1958
Devasamudram Hill Pillar <i>Daunsundrum</i> ...	Bellary	About $1\frac{1}{2}$ miles S.W. of the village of Devasamudram, $\frac{1}{2}$ a mile W. of the high road to Bellary, and $4\frac{1}{2}$ miles S. of Kampli: táluk Hóspet. 1813-14.	15 20 24·97	76 39 3·74	...	1128 1129
Dhanáyakanakeri Building <i>Dennaienkerrae</i> ...	"	Highest building in the village of Dhanáyakanakeri, about $\frac{1}{2}$ a mile E. of the high road to Kúdligi, 2 miles S. by E. of Mariyammanahalli, and 2 miles S.W. of Gunda on the road to Sandúr: táluk Hóspet. 1813-14.	15 7 58·2	76 24 23·8	...	1268
Dhárápúram Building (helio.) ...	Coimbatore	On the new matham, the highest house in the high street of the town: táluk Dhárápúram. The point is marked on the N.E. corner of the roof, 7 feet S. of the N. wall and 8 feet W. of the E. wall. 1871.	10 44 16·24	77 34 1·06	$\frac{859^*}{28}$	554
Dhárápúram s. <i>Darapooram</i> ...	"	This station was on the centre of the northernmost cavalier of the fort (now completely dismantled) on high ground, about $1\frac{1}{2}$ miles N. of the town: táluk Dhárápúram. 1808-9.	10 44 26·46	77 34 28·18	...	2013 2014
Dharmapuri Fort <i>Darampoory</i> ...	Salem	Táluk Dharmapuri. 1802-6. ...	12 8 24	78 12 31	...	†
Dharmapuri Hill Pagoda <i>Darampoory H.P.</i> ...	Bellary	On one of a group of hills, about $\frac{1}{2}$ a mile N.W. of the village of Dharmapuri, and $10\frac{1}{2}$ miles E. of the town of Ráyadrug: táluk Ráyadrug. 1813.	14 43 4·6	76 58 14·9	2470‡	1229 1230
Dharmavaram Hill Tree <i>Darnawaram Tree</i> ...	Nizam's Dominions	On the N. slope of a range of hills, about $1\frac{1}{2}$ miles S.W. of the village of Dharmavaram. 1816-17.	16 2 39	77 58 23	...	...
Dharmavaram Palace (helio.) ...	Anantapur	On the old palace W. of the town: táluk Dharmavaram. The point is marked by a circle and dot engraved on the outer wall at its junction with the interior partition wall. 1870-71.	14 24 27·39	77 45 51·68	$\frac{1244}{47}$	374 375
Dhonekónda Hill ...	Kurnool	Mass of masonry on the highest point of the N.W. extremity of the Yérramalai hills, about 67 yards W.N.W. of Dhonekónda h.s.: táluk Rámallakot. 1871.	15 22 48·8	77 53 40·1	2027	348
Dhonekónda h.s. <i>Dhonecondak S.</i> ...	"	On the N.W. extremity of the Yérramalai hills, about $1\frac{1}{2}$ miles W.S.W. of Dhone travellers' bungalow, and 1 mile E. by N. of the 36th mile-stone near the village of Kóttapalli on the high road from Kurnool to Gooty: táluk Rámallakot. The station is denoted by a mark-stone in the centre of a platform. 1813.	15 22 48·19	77 53 42·04	2040	271
Dialmalai h.s. <i>Dialmalli</i> ...	Salem	On the N. extremity of a small detached hill lying N. of the Shevaroy Hills (Sérvarayar Malai), about $1\frac{1}{2}$ miles S.E. of Menisi village, and the same distance N.W. of Pallipati on the main road from Salem to Attúr: táluk Úttankarai. 1802-6.	11 57 15·93	78 25 29·84	...	1748

\* To top of building.

† For triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

‡ To base of pagoda.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Dikúnraidu Hill Pagoda <i>Deakunroyn H.P.</i>	Cuddapah	On a very high conspicuous peak of the Pálkönda range, about $\frac{1}{4}$ of a mile S.E. of a small piece of water on the hill top, 2 miles W.N.W. of Kumáarakalva village on the left bank of the Pápaghni river, and $3\frac{1}{2}$ miles W. of the high road from Cuddapah to Ráyachoti: táluk Pulivéndla. 1812.	0 1 " 14 17 35'5	0 1 " 78 29 3'6	feet 2521*	1458
Dindigul Hill Flag-staff <i>Dindigul</i>	Madura	On a small isolated hill, about 30 yards E. by N. of Dindigul h.s.: táluk Dindigul (Tindukal). 1808.	10 21 31	78 0 17	...	...
Dindigul h.s.	"	On the old temple in the N.W. quarter of the buildings on a small isolated hill close W. of the town: táluk Dindigul. The station is marked by a circle and dot cut on the middle of the roof about 10 yards E. of the chief vimána (devasthánam). 1871.	10 21 31'09	78 0 16'31	$\frac{1226}{15}$	619
Divatipati h.s. <i>Dewittaputty</i>	Salem	On a small hill about $1\frac{1}{4}$ miles W. of the village of Divatipati on the main road from Salem to Dharmapuri, and the same distance E.N.E. of Múkkánúr village: táluk Salem. 1811-14.	11 51 50'42	78 6 31'01	...	1754
Dödballapur Idgah <i>B. Ballapoor</i>	Bangalore	S. minaret of the idgah about $\frac{1}{4}$ a mile W. of the N. end of the town of Dödballapur, $1\frac{1}{4}$ miles S.S.W. of the travellers' bungalow, $\frac{1}{4}$ of a mile E. by N. of Jagihalli village, and close S. of the road from the town to Dobbpet <i>via</i> the small village of Kódagihalli: táluk Dödballapur. 1806.	13 17 41'5	77 34 28'5	[2976]	1719 1720
Döddabëtta h.s.	Nílgiri	On one of the highest peaks on the Nílgiri group, about $1\frac{1}{4}$ miles S.E. of Ootacamund (Ontikalmanda). The station is denoted by a mark cut on a nail driven into the floor, $2\frac{1}{2}$ feet N. of the centre of the old observatory room, and $39\frac{1}{4}$ feet N.E. of a circle and dot rudely cut on a large embedded boulder. 1880.	11 24 3'06	76 46 43'62	8640	1942
Döddagunta s. <i>Dodagoontah S.</i>	Bangalore	About $\frac{1}{4}$ a mile N.N.W. of the village of Döddagunta on the railway line to Bangalore: táluk Bangalore. Colonel Lambton in 1805 described the station as follows:—"It lies half-way between the N. end of the base and the Mandapam, and is marked by a large well-built stone platform of a circular form and about 10 feet in diameter. Its foundation is about $2\frac{1}{2}$ feet under ground, having a large stone at the bottom with a circle whose centre corresponds with the centre of the circle above, and over which the plummet of the instrument was suspended during the observations". When visited in 1868 it was described as follows:—"The whole platform was beneath the ground, in a field which had been ploughed over for years. It was very dilapidated at the top, the upper mark-stone seemed to have been removed and the platform cut into on the west side, probably by natives in search of hidden money. The eastern side and the lower part generally was in good preservation and the mark-stone appeared to be perfectly firm and untouched, being well embedded in the masonry of the platform which was extremely good and very hard and firm from age. There was no isolation. The platform has been raised to the height of 1 foot above the ground, enclosing a solid isolated pillar of masonry built on the old platform which is as solid as rock. The mark in the upper surface of the pillar is $3\frac{1}{4}$ feet above Colonel Lambton's lower mark. The station is situated about half-way between the N. end of Colonel Lambton's Base and the S.W. end of the Bangalore Base-line measured in 1868". In 1870 astronomical observations for latitude were taken at this station. 1805.	12 59 55'76	77 40 0'43	$\frac{3003}{1}$	1735

\* To base of pagoda.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure feet	No. of Triangle
Döddakurkimaradi h.s. ... <i>Dodakoorkeemurruddy</i>	Chitaldroog	On a hill, about 6 miles S.S.E. of Hiriyúr, and 8 miles S. of Adivála on the high road from Síra to Hiriyúr: táluk Hiriyúr. 1813.	13 51 51·65	76 41 56·75	[2336]	1371 1372
Döddapanáyakanúr Hill Mark ...	Madura	On the rocky peak of a hill, about 5½ miles W.N.W. of the junction of the high roads from Ándipati, Madura and Sríviliputúr, and the same distance S.W. by W. of Ittapanáyakanúr village on the high road to Dindigul: táluk Tirumangalam. The point is denoted by a mark surmounted by a pile of stones. 1871.	10 0 10·42	77 46 0·44	3450	605 606
Döddavati Hill Pillar ... <i>Doodawutti</i>	Chitaldroog	Small iron pillar on a range of hills running nearly N. and S., about 1½ miles W.N.W. of Dugavara village, 1½ miles N.E. by E. of Sánténhalli, and 2 miles E. of the main road from Hösédurga to Hölalkére: táluk Hölalkére. 1813.	13 58 47·42	76 16 31·14	[3662]	1391 1392
Döddiavulamalai Hill Mark ... <i>Dodee Auvullalli</i>	Anantapur	On a range of hills, close to the boundary between the táluks of Dharmavaram and Pénukönda, and about 4½ miles N.W. of Chinnaráyanipalle village on the high road from Bukkapatnam to Kadiri: táluk Pénukönda. The point is denoted by a mark in the centre of a platform. 1812.	14 18 15·56	77 51 53·90	...	1442 1443
Döderi Fort ... <i>Doodairee</i>	Chitaldroog	High square cavalier of the fort of the town close S. of the road from Chalakére to Pávagada (Paugarh), about 4 miles E.S.E. of the large village of Chalakére on the high road from Bellary to Hiriyúr, and 2½ miles S. of Bharmaságar: táluk Chalakére. 1813.	14 17 48·1	76 45 1·1	[1843]	1849
Dödnírmanga, XXXVII	Támkúr	<i>Vide page 13—4.</i> ... ..	13 35 49·23	77 10 44·46	$\frac{4116}{3}$	47
Dönnikotakönda h.s. ... <i>Donokotecondah</i>	Cuddapah	On the S.W. point of a group of hills, about a mile N. of Dönnikota village, 3 miles N.W. by N. of Pulagam-palli on the road to Kadiri town, and 8 miles W. of the latter: táluk Kadiri. 1812.	14 6 17·42	78 4 51·34	...	1464
Dorigal Fort ... <i>Dooreegul</i>	"	S.E. angle of the fort about ¼ a mile from the right bank of Madduler river, and 2½ miles E. by S. of Pulakuntapalli village: táluk Kadiri. 1812.	14 25 23·0	78 4 52·8	...	1465
Dúdála, XLIV* ... <i>Doodallah S.</i>	Nizam's Dominions	<i>Vide page 5—4.</i> ... ..	17 56 10·76	77 55 1·81	$\frac{1917†}{3}$	...
Dúdekönda Hill Pillar ... <i>Doodacondah</i>	Kurnool	On a hill, about ¼ of a mile E. of the village of Dúdekönda at the western foot of the hill, and 4½ miles N. by E. of Pattikönda on the road to Ádoni: táluk Pattikönda. 1813-14.	15 27 15·10	77 33 43·40	...	276 277
Dunavaram h.s. ... <i>Dunnarum S.</i>	Nizam's Dominions	On a hill, about 1½ miles S.E. by S. of the village of Dunavaram, 1 mile E.N.E. of the small village of Lingampalle, and 2½ miles W.S.W. of Náthanúr. The station is denoted by a circular platform of earth with a mark-stone in the centre. 1818-19.	17 1 32·50	78 27 33·56	2320	824 825

\* This station appertains to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

† This value of height is in supersession of that printed in the Synoptical Volume of the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Durgapahár h.s. ...	Nizam's Dominions	On a low range of hills running E. and W., N. of the fort and tombs of Golconda. A path leads from the village of Husain Savali Durga to near the station. The station is marked by a circle and dot cut on an immense boulder, without any pillar or platform. 1872.	17 25 9.81	78 26 34.30	feet 2082	762 768
Dutch Rock <i>Dutch Rock</i>	Travancore State	Building on a fortified hill, near the Araballe Lines, about a mile E.N.E. of Aramanni village, and 1½ miles W. of the crossing of the high roads from Cape Comorin to Palamcottah (Pálayamkotai) and from Kótár to Manand. 1808.	8 15 51.6	77 34 36.1	...	715 716
Édayárpálayam s. ...	Coimbatore	On a large boulder of rock rising a few feet above the ground, about ¼ of a mile E. of the village of Édayárpálayam, and 3 miles S.E. of Kallapálayam on the high road from Coimbatore to Palladam: táluk Palladam. The station is marked by a circle and dot on the rock <i>in situ</i> . When visited in 1874, the station was found in good preservation. 1870.	10 55 15.89	77 9 29.51	$\frac{1459}{3}$	1925
Edduladöddi Fort <i>Yeddeldooddy</i>	Kurnool	Of the village of Edduladöddi, about 6 miles E.S.E. of Pattikönda town, and 4¼ miles N.E. of Tuggali village at the junction of the high roads from Gooty and Maddikéra to Pattikönda: táluk Pattikönda. 1813-14.	15 21 23	77 37 53	...	...
Élambileri Hill Peak ...	Malabar	The higher and southern of the twin peaks known as Élambileri and Chambra, about 4 miles S.E. of Vaiyitri. 1873-74.	11 30 35	76 7 49	6802	*
Elamkunnu h.s. <i>Yellancoonoo S.</i>	Cochin State	On a flat-topped isolated hill, about ¼ a mile W.S.W. of Urakam Police Station, and ¼ of a mile E. of the main road from Trichúr to Karúpadanna: táluk Trichúr. The station was originally established by Colonel Lambton in 1810, and was denoted by a mark-stone on a square mound of earth. When visited by the Levelling Party in 1886-87, a mound 6½ feet high and 45 feet in circumference at base, strongly built up of stones and mud, was found: a trench 8 feet deep was dug in the mound, but no circle or other mark was found. The top of the mound was connected by levelling.	10 25 54.04	76 15 59.74	262.86	1823
Ellúr Kothepet Fort ... <i>Kotoopett</i>	Kurnool	Palace. About 3¼ miles S.S.E. of Banganapalle town on the high road from Gooty to Cumbum (Kambham): Banganapalle State. 1811.	15 16 23.6	78 17 59.9	...	...
Erode Church	Coimbatore	White dome of the Roman Catholic Church on the W. side of the town, about 400 yards S.E. by E. of Erode s.: táluk Erode. 1870.	11 20 14.4	77 46 14.0	...	525
Erode s. ... <i>Erode</i>	"	On the S.E. cavalier of a fort W. of the town, about ¼ of a mile N.N.W. of Erode Junction Station on the S.W. Line of the Madras Railway: táluk Erode. 1810.	11 20 20.43	77 46 3.52	...	1949 1950
Érukandurai, CIII ...	Tinnevelly	<i>Vide page 27—A.</i> ...	8 12 17.70	77 41 16.92	$\frac{126}{17}$	134 135

\* For triangles fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Ētaiyápuram Palace ... <i>Yettiapooram</i>	Tinnevelly	Rája's palace in the town of Ētaiyápuram on the road from Tuticorin (Tútagudi) to Madura. The large village of Iralanattam on the same road is 3½ miles S.S.E.: táluk Ótapidáram. 1809.	9 8 50	78 2 21	feet ...	*
Ētankōnda Hill Pagoda ... <i>Yaetumconda</i>	Nizam's Dominions	About 1½ miles N.E. of Etam village on the road to Pángal to the W. 1818-19.	16 13 30·8	78 19 10·9	...	884 885
Ēttapur Pagoda ... <i>Yaitapoor P.</i>	Salem	In the village of Ēttapur, about ¼ a mile E. of Abinavam village, and 2½ miles W.N.W. of Yérrasamudram on the main road from Salem to Attúr: táluk Attúr. 1810.	11 39 37·0	78 31 12·5	...	1805 1806
Ēttimalai No. 1 h.s. ...	Coimbatore	On the highest point of the low group of hills extending eastwards from Pálgát, about 2 miles N. of Ēttimalai village between the high road and the railway line to Coimbatore, 2½ miles N.W. of Madukarai Railway Station, and 5½ miles S.S.W. of Coimbatore: táluk Coimbatore. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . 1874.	10 55 8·06	76 56 49·46	2555	1928
Ēttimalai No. 2 h.s. ... <i>Shoreemalli</i>	"	On a hill, about 31 feet S.W. by S. of Ēttimalai No. 1 h.s.: táluk Coimbatore. The station was marked by a stake. 1808.	10 55 7·80	76 56 49·29	...	1970
Ēttinabúdihal Fort ... <i>Bodiáll</i>	Bellary	S.W. angle of the fort of the village of Ēttinabúdihal on the high road from Bellary to Bómmanhalli, about 7 miles S.E. of the former, and 4½ miles W. of the Hagari river: táluk Bellary. 1813.	15 2 37·2	77 1 30·7	...	1244
Ēttipati h.s. ... <i>Ēttiput H.</i>	Salem	On the northern extremity of a hill lying close S. of the Pónniár river, about a mile S. by E. of the village of Ēttipati, and 3½ miles E. by N. of Mattiyampate on the main road from Úttankarai to Arúr: táluk Úttankarai. 1803.	12 10 4·42	78 39 6·52	...	†
Ētúr Pagoda ... <i>Yaitoor P.</i>	Cuddapah	On the left bank of the Chitrávati river, about 5 miles W. of Gandlúr village on the high road from Bellary to Madras, and 3 miles W. of Kōndápuram Station on the N.W. line of the Madras Railway: táluk Jammalamadugu. 1812.	14 46 37·9	78 11 13·0	...	1564 1565
Gadēkal, XXVI ...	Anantapur	<i>Vide page 11—A.</i> ...	15 7 15·46	77 16 52·59	$\frac{1817}{3}$	33
Gadēkal h.s. ... <i>Guddacul H.S.</i>	"	On a hill temple W. of the principal station of Gadēkal: táluk Gooty. The station is denoted by a mark-stone let into the centre of the roof. 1811.	15 7 15·36	77 16 52·21	1850	269 270
Gádrigudda Hill Mark ... <i>Gaudreegooda</i>	Chitaldroog	On a hill, about 1½ miles E.S.E. of Madkērēpur, 1½ miles W. by N. of Myágallhalli, 3 miles N. by E. of Kandavádi, and 3½ miles S. of Shirgēre: táluk Chitaldroog. 1813.	14 13 57·62	76 14 35·61	...	1382 1383

\* For triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.

† For triangles fixing this station, see the Synoptical Volumes of the Madras Longitudinal and the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Gadvál Pagoda <i>Geddawal</i> ... ..	Nizam's Dominions	Within the town, about the centre. 1813-14.	° ' " 16 14 8·5	° ' " 77 50 29·9	feet ...	210 211
Gaganpahár h.s. <i>Gaunigapent S.</i> ... ..	"	Also known as Gánagapet. On a flat-topped hill, about 1¼ miles W. of the village of Gaganpahár from which a road leads to the station, and 6 miles S.W. of Hyderabad. The station as originally built in 1813-14 consisted of a circle and dot deeply engraved on a large stone embedded in the centre of a kacha platform. When visited in 1872, Colonel Lambton's mark was found intact; but his platform was broken up, and a new one 14 feet square and 1 foot high was built.	17 17 51·91	78 26 31·68	2010	745
Ganapur, X ... ..	"	<i>Vide page 8—4.</i> ... ..	17 20 16·19	77 28 46·18	$\frac{1598}{3}$	14
Gandadahal Hill ... ..	"	Centre of a hill nearly in the middle of a small range lying N.E. and S.W., about a mile W.S.W. of Gandadahal, the same distance N.N.W. of Bulapur, and 2¼ miles E.N.E. of Tungabhadra village on the left bank of the Tungabhadra river at the point where it is crossed by the high road from Adoni to Raichur. 1871.	15 57 55	77 26 4	1339	...
Gandikot h.s. <i>Gundicottah S.</i> ... ..	Cuddapah	On the highest part of a hill, about 2 miles S.S.W. of the village of Gandikot, 3¼ miles E. of Gandlúr on the high road from Bellary to Madras, and 8 miles S.W. of the town of Jammalamadugu: táluk Jammalamadugu. The station is denoted by a mark-stone in the centre of a platform. 1811-12.	14 47 3·61	78 18 50·31	1653	1532
Ganganhalli Hill Pagoda <i>Gungunhully</i> ... ..	Kadúr	About ¼ a mile W.S.W. of the ruined village of Ganganhalli, 3 miles in the same direction from the large village of Hiriyúr, 4¼ miles N. by E. of Yagati, and 1½ miles S.S.E. of Kalkere: táluk Kadúr. 1813.	13 40 21·3	76 12 6·4	...	1397 1398
Ganganpalle Hill Mark <i>Gonaganpully H.</i> ... ..	Nizam's Dominions	On a hill, about 2¼ miles W.N.W. of the small village of Gonavanpalle on the road to Kalvakurthi town. 1820.	16 33 36·70	78 49 32·73	...	969
Gangávaram Fort <i>Gungawaram</i> ... ..	Bellary	N.E. angle of the fort about ¼ a mile W. of the town on the E. of the high road to Bellary, and 9 miles N.N.E. of Kalyándrug: táluk Ráyadug. 1812.	14 38 23·3	77 14 29·5	...	1234
Gangávati h.s. <i>Gungawutti H.S.</i> ... ..	Nizam's Dominions	On the pointed summit of a high and remarkable hill, about a mile S.W. by W. of the village fort of Gangávati. 1816-17.	15 25 18·22	76 33 31·18	...	1143 1144
Gannáyakal Hill Tower <i>Gunnaykul</i> ... ..	"	At the S.W. end of the village fort of Gannáyakal. 1816-17.	16 13 59·7	77 9 28·3	...	1072 1073
Gánugapēnta h.s. <i>Gaunigapent H.</i> ... ..	Cuddapah	On a hill, about 2¼ miles N.E. by E. of the village of Gánugapēnta: táluk Badvel. 1812.	14 51 46·65	79 7 35·53	...	*

\* For triangles fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Gardangiri No. 1 h.s. ...	Hásson	Also known as Garudangiri. On a conspicuous hill, about $\frac{1}{2}$ a mile N. of the high road from Bánávar to Huliýár, $\frac{1}{4}$ of a mile N.E. by E. of Shankaranpalli, and 7 miles N.E. of Bánávar town: táluk Arsikére. The station is marked by a circle and dot engraved on the highest point of a flat rock near the summit of the hill and 28 yards W. of a masonry ball. 1871-72.	13 28 51·01	76 17 3·82	<i>feet</i> 3652	*
Gardangiri No. 2 h.s. <i>Gurradandroog</i> ...	"	On a pagoda close to Gardangiri No. 1 h.s.: táluk Arsikére. 1802-6.	13 28 50·96	76 17 4·65	[3667]	*
Gat h.s. ... <i>Gutt Station</i> ...	Nizam's Dominions	On a hill, close N.E. of the large village of Gat on the road to Gadvál. 1816-17.	16 7 20·16	77 36 59·50	...	...
Gat Hill Tower ... <i>Gutt Tower</i> ...	"	In a hill fort close to Gat h.s. 1816-17. ...	16 7 42·3	77 36 53·5	...	...
Gat Bichal Hill Flag ... <i>Gutt Bichalla</i> ...	"	On a hill, about $\frac{1}{2}$ a mile N.E. of the village of Gat Bichal, close to the railway line, and 2 $\frac{1}{2}$ miles N. by E. of the Tungabhadra River Station on the N.W. Line of the Madras Railway. 1813-14.	15 59 20	77 20 56	...	...
Gatdrug h.s. ... <i>Gutt Dg.</i> ...	Cuddapah	On a hill, about 2 miles E.S.E. of Gummasamudram on the main road from Madanapalle to Kóttakota, and 3 $\frac{1}{2}$ miles E. by S. of the latter: táluk Madanapalle. 1812.	13 39 5·17	78 21 33·80	...	1514
Gatpet Hill Pagoda ... <i>Guttpettah P.</i> ...	"	About a mile N.N.E. of Venakayakalva, 2 miles S.S.W. of Póttipád, and 6 $\frac{1}{2}$ miles W.S.W. of Kóndápuram Station on the N.W. Line of the Madras Railway: táluk Jammalamadugu. 1812.	14 43 35·1	78 8 22·6	...	1579
Gattináráyantippa h.s. ...	Nizam's Dominions	On the temple hillock of Gattináráyantippa, about 8 $\frac{1}{2}$ miles S.E. by S. of Darúr, 7 $\frac{1}{2}$ miles S.S.W. of Gadvál, and 1 $\frac{1}{2}$ miles S.S.W. of Palwai village. The station consists of a solid isolated pillar of masonry, 4 $\frac{1}{2}$ feet in height, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. In 1872 astronomical observations for latitude were taken at this station. 1871.	16 7 54·81	77 48 18·18	$\frac{1225}{3}$	223 224
Gaunpalli Fort ... <i>Gounpilly</i> ...	Kolár	Bastion at the W. face of the fort in the village of Gaunpalli, about 3 $\frac{1}{2}$ miles W. by S. of the large village of Adagal, 2 $\frac{1}{2}$ miles S. of Bhairgánpalli, 2 miles S.E. by E. of Gutpálya, and 1 $\frac{1}{2}$ miles E. of the small village of Karépalli: táluk Chintámani. 1812.	13 30 48·2	78 16 1·1	...	1691
Gavigat h.s. ... <i>Guvigutt H.S.</i> ...	Nizam's Dominions	On the highest point of the south-eastern of a small cluster of hills, W. of the village of Gavigat, and about 2 miles N. by W. of the principal station of Jánikálu. The station is marked by a circle and dot engraved on a stone. 1816-17. It was refixed in 1871.	16 2 39·64	76 59 31·97	1693	1068 1069

\* For triangles fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Gëddahalli h.s. ... ..	Bangalore	On a small hill about 350 yards from the village of Gëddahalli, 1 mile W.S.W. of Hëbbal village on the high road from Devanhalli to Bangalore, nearly the same distance E. of Mattikëre, 1½ miles N. by W. of Bangalore Base-line S.W. End, and 3 miles N.N.W. of Bangalore Cantonment Railway Station: táluk Bangalore. The station consists of a circular isolated pillar of masonry, 7 feet high, with mark-stones at top and bottom, and surrounded by a platform of stones and earth. 1867-68.	13 157'23"	77 37 5'58"	3016* feet	1725
Ghanpura Fort <i>Ghunpoora</i> ... ..	Nizam's Dominions	Bastion of the fort of the town. 1813. ... ..	16 33 43'5"	78 5 50'4"	...	...
Gobarkal Fort <i>Boburkul Dr.</i> ... ..	"	Turret of the fort on the summit of the hill of Gobarkal, about 3 miles N.W. of the Tungabhadra river, and 2½ miles S.S.E. of Rádakönda h.s. 1813-14.	15 38 20'0"	76 49 46'8"	...	...
Gobúr Hill Tower <i>Goboor-boorj</i> ... ..	"	The southern of two conspicuous towers on a hill close W. of the S. portion of the town, about 5½ miles E. by N. of Rámdurg. 1816-17.	16 18 23'7"	77 11 35'6"	...	1015 1016
Gödduvelagala h.s. ... ..	Cuddapah	On the N. point of a group of hills, about a mile E. by S. of the village of Gödduvelagala, and 5 miles N.E. of the town of Kadiri: táluk Kadiri. 1812.	14 8 49'50"	78 15 52'09"	...	1459 1460 1461 1462
Godumalai Hill Peak ... ..	Salem	Centre of the highest peak of an isolated hill, about 3 miles E. by N. of Mettupati village on the main road from Attúr to Salem, and 3½ miles N.W. of Sarkár Valavëndi on the same road: táluk Salem. 1810.	11 41 6"	78 23 43"	...	1802
Golconda Fort (helio.) ... ..	Nizam's Dominions	On a hill, north of the palace. The point is marked by a circle and dot engraved on the rock <i>in situ</i> . 1872.	17 22 59'36"	78 26 28'46"	2018†	765 766
Golconda Hill Mosque <i>Golcondah</i> ... ..	"	S.E. spire of the mosque in the hill fort north of the palace. 1813-14.	17 22 54'4"	78 26 29'3"	...	758 759
Golconda Tomb ... ..	"	Centre of the largest tomb in Golconda. 1872. ... ..	17 23 35'8"	78 26 13'5"	1869‡	817
Golhalli Pagoda ... ..	Bangalore	Close N.W. of the village of Golhalli, about a mile W. of Döddaköppa village, 4½ miles S.S.W. of the large village of Kodihalli, and 3 miles S.E. of the Roman Catholic Chapel at Arubële village: táluk Kánkán-halli. 1866-67.	12 22 47'3"	77 30 17'5"	...	473
Göllapalli h.s. <i>Golaputty H.</i> ... ..	Salem	On a small isolated hill about ¼ a mile E. by N. of the village of Göllapalli, and 2 miles W. of Indúr on the main road from Pënnagaram to Dharmapuri: táluk Dharmapuri. 1803.	12 7 41'18"	78 4 5'46"	...	1750
Gonegandla Drug <i>Gonagoontlah Dr.</i> ... ..	Kurnool	Near the village of Gonegandla, about 2½ miles N.W. of the Hindri river: táluk Pattikönda. 1812-13.	15 42 45"	77 38 12"	...	...

\* This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series.  
† To top of rock. ‡ To top of square portion of largest tomb.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Gooty, XXV <i>Gooty</i>	Anantapur	<i>Vide page 11—A. ... ..</i>	15 6 46·33	77 41 32·87	<i>feet</i> 2105·72* †	34 36
Gooty Base-line N. End s. <i>Base in 1811</i>	"	On rising, flat and cotton ground, about $\frac{1}{4}$ of a mile S.W. of the small village of Namthabad, and $2\frac{1}{2}$ miles W.S.W. of Gooty town: taluk Gooty. The station consists of a circular masonry platform with two mark-stones, one in the foundation, and the other above it. 1811.	15 5 45·81	77 38 57·15	1166·88 0	311 312
Gooty Base-line S. End s. <i>Base in 1811</i>	"	About $6\frac{1}{2}$ miles S. of Gooty town, and 2 miles E. of Midutur close W. of the high road from Gooty to Anantapur: taluk Gooty. The station consists of a circular masonry platform with two mark-stones, one in the foundation, and the other above it. 1811.	15 0 51·16	77 41 14·45	1029	313 314
Gopálavaram Hill Fort <i>Goblaveram</i>	Nizam's Dominions	S.W. angle of the fort about $1\frac{1}{2}$ miles E. by S. of the principal station of Góraigat, and $6\frac{1}{2}$ miles W.N.W. of the town of Sadáshivpet. 1814-15.	17 39 14·5	77 54 7·7	...	162
Gopálpét Fort <i>Gopaulpett</i>	"	S.W. angle of the outer fort of the town. 1818-19.	16 23 40·2	78 10 59·8	...	190
Gopálswámi h.s. <i>Gopaulswamy H.S.</i>	Madura	On a pagoda on the western of a very remarkable double rock of a small isolated hill about $\frac{1}{2}$ of a mile E. of the high road from Srivilliputur to Tirumangalam, $\frac{1}{2}$ a mile W. of Tandakulam village, and 1 mile E.N.E. of Párapati: taluk Tirumangalam. The station is marked on the top of the pagoda between the tower and the S.E. corner. 1808.	9 39 16·05	77 50 26·18	697	2021 2022
Gopanpalle Hill Pagoda <i>Gopenpilly P.</i>	Nizam's Dominions	About 5 miles W. of the large place of Yekali. 1814-15.	17 40 30·5	77 33 48·4	...	148
Gopichéttipálayam Hill Temple	Coimbatore	On the highest point of a small isolated hill close S.E. of the village of Puduppálayam at the junction of the roads from Erode and Pérundurai, and about 2 miles W. of Poluvakalipálayam village on the former road: taluk Satyamangalam. 1870.	11 26 51·2	77 29 15·4	857	515 516
Góraigat, I	Nizam's Dominions	<i>Vide page 6—A. ... ..</i> NOTE.—As Colonel Lambton's station of Goraegutt S. (fixed in 1814-15) has disappeared, all his observations have been referred to this station.	17 39 36·59	77 52 42·65	2068·69† 4·4	1, 7
Gorakal Hill Peak <i>Gorukul Peak</i>	"	The highest and western of three exceedingly remarkable and rocky peaks close W. of the village of Gorakal, about $2\frac{1}{2}$ miles S.E. of Boyalmarchair, $3\frac{1}{2}$ miles S.W. by S. of Kurudi, and 8 miles W. by S. of Matmarri Railway Station. 1816-17.	16 0 23	77 13 8	...	1013 1014
Gorantla Fort <i>Goruntlah</i>	Anantapur	S.E. angle of the fort on the left bank of the Chitra river, about a mile W.S.W. of Gorantla, and $13\frac{1}{2}$ miles S.E. of the town of Pénukonda: taluk Hindupur. 1812.	13 58 57·4	77 48 44·8	...	1626
Gorantla Pagoda <i>Goruntlah</i>	Kurnool	In the village of Gorantla on the left bank of the Hindri river, about $2\frac{1}{2}$ miles E. of Errabad, $3\frac{1}{2}$ miles S.S.W. of Chillabanda, and 4 miles S.W. of Yérradóddi: taluk Rámallakot. 1812.	15 37 52·0	77 52 39·5	...	915

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3·5 feet.

† To top of rectangular protecting pillar, the assumed height of which above masonry platform is 3·5 feet.

† See description of this station.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Gubbi s. ... ..	Bangalore	On rising ground nearly a mile S.W. of the village of Gubbi, the same distance N.W. by N. of Rámpur village, and 6 miles S.E. of Yélahanka travellers' bungalow on the high road from Devanhalli to Bangalore: táluk Bangalore. The station consists of a circular isolated pillar of masonry, 2 feet high, with mark-stones at top and bottom, and surrounded by a platform of stones and earth. 1867-68.	13 3 49'77	77 42 8'89	2969* <i>feet</i>	1782
Gudankönda Hill Pillar <i>Goodeconda</i>	Anantapur	About $\frac{1}{2}$ of a mile S.W. of the village of Gudankönda, $\frac{1}{2}$ of a mile W. of the Chitrávati river, and $3\frac{1}{2}$ miles S.S.E. of Tádmani: táluk Anantapur. 1812.	14 32 11'91	77 57 16'85	...	1450 1451
Guddadur No. 1 h.s. <i>Goodathoor H.S.</i>	Bellary	On the northern of two summits of a small hill W. of the village of Guddadur, about $\frac{1}{2}$ a mile E. of a nala, $4\frac{1}{2}$ miles W. of Karichedu village on the Hagari river, and $5\frac{1}{2}$ miles E.S.E. of Bailúr on the high road from Bellary: táluk Bellary. The station is denoted by a platform a few yards W. of a pagoda. 1813-14.	15 18 46'79	77 1 57'34	1682	1085
Guddadur No. 2 h.s.† <i>Goodadoor S.</i>	Nizam's Dominions	About $\frac{1}{2}$ of a mile S.E. of Karagudda, and 3 miles S.W. of Sasivihal village on the road from Tavúrgiri to Kandagal village. 1816-17.	15 48 30'67	76 20 27'44	...	1145
Guddagúdem Hill Rock <i>Guddagoodium</i>	"	A remarkable rock about $1\frac{1}{2}$ miles N.W. of the village of Guddagúdem, and $4\frac{1}{2}$ miles N. by W. of Devarakadra town. 1817.	16 40 41'0	77 52 15'6	...	191
Guddaráyangutta h.s. <i>Guddaroyngutt</i>	"	On a hill, about $\frac{1}{2}$ of a mile E. by S. of Nandipet village, $4\frac{1}{2}$ miles W.N.W. of Kandúr, and 9 miles W. of Ghanpura town. 1817-18.	16 34 41'60	77 57 16'44	...	192 193
Gudgunta Hill Tower <i>Goodegoonta</i>	"	The highest tower on a small, isolated and fortified hill within the town. 1816-17.	16 17 2'7	76 40 12'9	...	1165
Gudibanda h.s. ... .. <i>Goodeebunda</i>	Kolár	On a pagoda on a prominent hill, about $\frac{1}{2}$ of a mile N. of the town: táluk Bágépalli. 1812.	13 40 30'58	77 44 35'36	[3354†]	1709 1710
Gudibanda Hill Turret <i>Goodeebunda</i>	Anantapur	Round turret on the highest part of the hill, near the village of Gudibanda, and about 11 miles W.N.W. of the town of Madakasíra: táluk Madakasíra. 1813.	13 58 22'2	77 8 40'9	...	1336
Gudikalbétta h.s. ... .. <i>Goodiculbetta</i>	Bellary	On a small hill about $\frac{1}{2}$ of a mile W. of the village of Gudikal, and the same distance S.E. of the high road from Adoni: táluk Adoni. 1812.	15 44 36'88	77 30 10'94	...	240 241
Gudipád Hill Platform <i>Goodipaud H.</i>	Anantapur	About 4 miles N.W. of Petnikota village, and the same distance S.W. of Zunutula: táluk Tadpatri. 1811.	15 5 59'82	78 2 50'69	...	1545
Gúdúr Chénnaráyangutta Hill Pagoda <i>Goodoor Chenroyngutt P.</i>	Nizam's Dominions	On a rock, about $1\frac{1}{2}$ miles N. of the village of Gúdúr, and $2\frac{1}{2}$ miles N.E. by E. of Kútúr on the road to Hyderabad to the N. 1820-21.	17 6 50'4	78 32 31'0	...	953 954

\* This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series.  
† This station is the same as Guddadur h.s. of the Mangalore Meridional Series. ‡ To base of pagoda.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Gugamaldi Building ... <i>Googamuldee</i>	Bellary	A small building on a small rock about 10 miles E. by N. of Huvinahadgalli town: táluk Huvinahadgalli. 1813-14.	15 24 5' 4"	76 7 37' 7"	feet ...	1290
Guhesvar h.s. ... <i>Goeshwar H.S.</i>	Chitaldroog	On a pagoda on the S. extremity of a small range running N. and S., about 3 miles S.E. by E. of Bidarkère village on the road from Kankuppa to Chitaldroog, 2½ miles W. of Yéllavarti, and 2½ miles E.N.E. of Bastihalli on the above-named road: táluk Chitaldroog. The station is denoted by a mark on the pagoda. 1813.	14 24 33' 93"	76 22 50' 65"	3282	1342 1343
Guliyam Fort ... <i>Gooleum</i>	Bellary	Highest turret on the N. face of the fort on the right bank of the Hagari river, about ¾ of a mile S.W. of the village of Guliyam, 1 mile N.W. of Jangamarahüsahalli village, and 1½ miles S. by E. of Amrutápuram: táluk Álúr. 1813-14.	15 21 9' 9"	77 5 59' 4"	...	1044 1045
Gúlúr Fort ... <i>Goolor</i>	Kolár	S.E. angle of the fort in the large village of Gúlúr, about a mile S.W. of Aivárpalli, 4½ miles E. by N. of Kodikónda, 4½ miles N.E. by N. of the town of Bágépalli, and 2½ miles N.N.W. of Mutakpalli: táluk Bágépalli. 1812.	13 50 20' 1"	77 52 36' 6"	...	1681
Gumankónda h.s. ... <i>Goomancondak S.</i>	Kurnool	On a detached hill at the N. edge of an extensive mass of hills, about 2½ miles S.S.W. of Gani village, 6½ miles E. by N. of Kalva, and 8 miles E.S.E. of Voravakal on the high road from Kurnool to Cumbum: táluk Nandyál. The station is denoted by a mark-stone in the centre of a platform. 1812.	15 38 16' 14"	78 20 5' 58"	1555	973
Gummanúr Mosque ... <i>Goomanoor</i>	Bellary	At the S.E. corner of the village of Gummanúr, about 2 miles W. of Bantanahal Station of the Southern Mahratta Railway, and 3½ miles S.W. by S. of Yérúr village: táluk Álúr. 1811.	15 9 44' 1"	77 16 50' 2"	...	325
Gumnáyakanpálya Hill Mark ... <i>Goonnairpolliam</i>	Kolár	On a hill, about 1½ miles N.W. by W. of Tolpalli, ¼ of a mile N.N.E. of the small village of Tangedidinne, 2 miles N. of Devarájipalli, and 9 miles E. by N. of the town of Bágépalli: táluk Bágépalli. 1812.	13 48 6' 05"	77 58 8' 49"	[2970]	1649
Gumpmál h.s. ... <i>Gumpmaul H.S.</i>	Anantapur	On the highest point of a mass of hills, about 4 miles S. of Tarimela village, and 8½ miles S.S.E. of the large village of Pamidi on the high road from Anantapur to Gooty: táluk Gooty. The station is denoted by a mark-stone in the centre of a platform, surmounted by a pile of stones. 1811. It was refixed in 1870-71.	14 51 32' 37"	77 43 28' 17"	2506	274 275
Gúndiparla h.s. ... <i>Goondipalah H.</i>	Kurnool	On a small detached hill about 2½ miles E. of the city of Kurnool, and 1½ miles E.N.E. of Gúndiparla fort on the N. bank of the Tungabhadra river: táluk Rámallakot. The station is denoted by a platform. 1816-17.	15 50 7' 56"	78 7 45' 92"	...	918 919
Gúndla Brahmesvaram h.s. ... <i>Goondla-Bramaishwar P.</i>	"	On a mass of hills, about 3 miles S.W. of the village of Gúndla Brahmesvaram: táluk Nandyál. The station consists of a platform with a large tree in the centre supported by a pyramid of stones. 1812.	15 36 55' 57"	78 45 51' 62"	2954*	974

\* This value of height is in supersession of that printed in the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Guntakal Pagoda ... <i>Goontacul</i>	Anantapur	Of the village of Guntakal, about 1½ miles S.S.E. of the Guntakal Railway Junction Station, and 3 miles N.N.E. of Konakōndla on the high road from Guntakal to Anantapur: táluk Gooty. 1813.	15 9 13·5	77 25 29·5	feet ...	336
Guntakal Railway Station (helio.)	"	Also called Timmanchērla. On a station on the N.W. Line of the Madras Railway, about 2 miles E.S.E. of the Guntakal Railway Junction Station: táluk Gooty. The point is marked by a circle and dot engraved on the roof. 1871.	15 9 41·91	77 26 11·42	1428*	287
Guntapalli Hill Mark ... <i>Molenpilly</i>	Nizam's Dominions	On a small detached hill about ½ of a mile E.S.E. of the village of Guntapalli, the same distance N.N.W. of Motanaganpalli, and 1½ miles N.E. of the Kistna river. 1813.	16 18 10·12	77 52 35·35	...	212
Guntapalli h.s. ... <i>Peddamorur</i>	Cuddapah	On some high ground, about ¼ of a mile N.E. of the village of Guntapalli, ½ of a mile W. of the Pápaghni river, ¼ a mile S. of the Mysore boundary, and 1½ miles N.W. of the high road to Madanapalle: táluk Madanapalle. The station is denoted by a platform. 1812.	13 40 55·53	78 7 43·73	[2371]	1665 1666
Guraganjagurki Tree ... <i>Goorgunjeechoorky</i>	Kolár	On a small isolated hill about ¼ of a mile S.S.E. of the village of Guraganjagurki, 1 mile N.N.W. of the large village of Vakkaleri on the high road from Málúr to Kolár, and 7½ miles W.S.W. of the latter town: táluk Kolár. 1801.	13 5 2	78 4 17	...	445 446
Gurmatkál Idgah ... <i>Gooda Metticall</i>	Nizam's Dominions	Middle spire of the idgah close W. of the town. 1813-14.	16 51 31·4	77 25 35·7	...	990 991
Gurramkōnda h.s. ... <i>Goorumcondah</i>	Cuddapah	On a building on a small isolated hill E. of the main road from Váyalpád, about a mile S. of Gurramkōnda village, and 2 miles E.S.E. of Bēddivaripalli: táluk Váyalpád. 1812.	13 46 12·60	78 37 49·84	...	1511†
Gurumurtia h.s. ... <i>Gurroomurtee H.S.</i>	Nizam's Dominions	On the highest point of a small range of hills, about 1½ miles E. of the Hukachiiti stream, a tributary of the Kistna river, and the same distance S.E. of Trimallapur village. The station is marked by a circle engraved on the rock <i>in situ</i> surrounded by a platform. 1813-14.	16 26 57·55	77 52 57·95	1773	186 187
Guruzala Redoubt ... <i>Goorzallah</i>	Bellary	Close to the village of Guruzala, about ¼ of a mile S. of the Tungabhadra river, and 1½ miles E. by S. of Nágaldinne: táluk Adoni. 1813-14.	15 54 25	77 37 47	...	...
Gutargi h.s. ... <i>Guturgi</i>	Sholápur	About 2½ miles S. of the village of Gutargi, 8½ miles E. of Sindgi town, and 3 miles N. of the Nizam's boundary. 1819-20.	16 54 23·61	76 24 34·51	...	987
Guttapalle h.s. ... <i>Guttpilly H.S.</i>	Nizam's Dominions	On a low hill, about 1½ miles S.E. of the village of Guttapalle, 2½ miles E. by N. of Padakal on the road to Yéjlál, and 4 miles W. by S. of Kōtúr on the road to Hyderabad to the N. The station consists of a platform with mark-stones at top and bottom. 1818-19.	17 5 10·07	78 27 3·88	2239	820

\* To roof of railway station.

† For another triangle fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Guttiráyan, LX ... ..	Salem	<i>Vide</i> page 18—A. ... ..	12 15 44·55	77 53 47·96	$\frac{\text{feet}}{4578}$ 1	80
Guttiráyan h.s. ... .. <i>Gooty H.</i>	"	On a hill, about 2½ miles S.E. of Kēmpakarai village, and 9 miles N.N.W. of the large village of Pēnnagaram on the high road to Dharmapuri: táluk Hōsúr. 1802-6.	12 15 44·40	77 53 47·28	[4573]	1739
Guttúr Hill Turret ... .. <i>Gootoor</i>	Anantapur	Circular turret on a rock near the village of Guttúr at the junction of the high roads from Dharmavaram, Pēnukōnda and Kōttachēru: táluk Pēnukōnda. 1812.	14 11 22·3	77 40 25·5	...	1632 1633
Halaharivi Fort ... .. <i>Haulherry H.</i>	Bellary	Middle bastion on the W. face of the fort of the village of Halaharivi on the road from Bellary to Álúr, about 2 miles E. of Bapuram village, and 1½ miles W. by N. of Máchanúr: táluk Álúr. 1813-14.	15 19 53·2	77 11 50·9	...	1113
Halarki Hill Peak ... .. <i>Halurki H.</i>	Nizam's Dominions	Of a small isolated hill about ¼ of a mile W. of the village of Halarki, and 3 miles E.S.E. of Kopal town. 1816-17.	15 19 13	76 14 19	...	1293 1294
Halasúrbētta, XXXIX ... .. <i>Allasoor H.S.</i>	Bangalore	<i>Vide</i> page 13—A. ... ..	13 9 38·27	77 39 40·53	$\frac{3337}{2}$	50 54
Hálhalli h.s. ... .. <i>Hulhully</i>	Bellary	On a waste patch, about 2 miles N.E. by E. of Kampli, and 1½ miles S. by W. of Aralehalli on the Tungabhadra river: táluk Hōspet. 1813-14.	15 25 12·67	76 40 25·35	...	1123 1124
Hálwi h.s. ... .. <i>Haulvah H.S.</i>	"	On a low fortified hill close S.W. of the village of Hálwi on the high road from Koggi and about 8 miles W. by N. of it, and 3 miles S.E. by S. of Marali on the right bank of the Tungabhadra river: táluk Ádoni. The station is denoted by a mark on a rock. 1813-14.	15 52 58·78	77 9 34·96	...	1001
Hampi Hill Pagoda ... .. <i>Humpee</i>	"	Spire of the white pointed pagoda about ¼ a mile E. by S. of the great pagoda at the town on the S. bank of the Tungabhadra river: táluk Hōspet. 1813-14.	15 19 50·1	76 30 37·1	...	1262
Hannēgudda h.s. ... .. <i>Hunnygooda</i>	Kadúr	On a hill, about 3½ miles W.N.W. of the large village of Ajimpur on the high road from Tarikēre to Hōsdurga, 2½ miles E. by N. of Hunasigatta, and 3 miles N.E. by N. of Mákanhalli: táluk Tarikēre. The station is marked on a temple. 1805.	13 44 51·01	75 59 43·69	[3338]	*
Hanumanta Pagoda ... .. <i>Maunvah P.</i>	Nizam's Dominions	About 1½ miles S. of the town of Mánvi (Bhanúr) on the road to Chikalbarvi on the Tungabhadra river. 1813-14.	15 57 33·0	77 5 47·2	...	1091
Harpanahalli Fort s. ... .. <i>Harponelly</i>	Bellary	On the S.E. angle of the fort in the town of Harpanahalli: táluk Harpanahalli. 1813-14.	14 46 59·61	76 1 31·20	...	*
Hattibēlagal h.s. ... .. <i>Huttee Bellaqul H.</i>	"	About ¼ of a mile W. by S. of the village of Hattibēlagal, ¼ a mile S.E. of Agraharam village, 2½ miles S.S.W. of Álúr town, and 1 mile E. of the road from Bellary to Álúr: táluk Álúr. 1813-14.	15 21 45·55	77 15 11·05	...	1110

\* For triangle fixing this station, see the Synoptical Volume of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Hattigudda Hill Tower <i>Huttigoodda H.B.</i>	... Nizam's Dominions	On a small isolated hill close W. of the village of Hattigudda on the road to Maski. 1816-17.	15 47 21·1	76 35 50·7	<i>feet</i> ...	1178 1179
Hauhoballam h.s.* ... <i>How-Hoblum S.</i>	... Kurnool	On the W. side of a very conspicuous hill, about 4 miles E. by N. of Diguoballam, and 2 miles N. of the celebrated pagoda at Hauhoballam: taluk Sirvél. The station consists of a spacious platform surmounted by a pyramid of stones. 1812.	15 8 56·11	78 46 59·47	2977	1581
Havalagi Hill Pagoda <i>Auvelayy H.P.</i>	... Anantapur	On a low brown hill, about a mile W. of the village of Havalagi on the bank of a small stream, the same distance E. of the boundary between the districts of Anantapur and Bellary, and 6½ miles S.W. of Vidapanakal on the high road from Bellary to Anantapur: taluk Gooty. 1812.	15 0 42·3	77 8 35·0	...	1237 1238
Hayátnagar Mosque <i>Hyatnuggur</i>	... Nizam's Dominions	S. minaret of the mosque at the W. end of the large village of Hayátnagar on the road to Hyderabad. 1820-21.	17 19 30·1	78 38 28·6	...	950 951
Hëggunda Hill Pagoda <i>Yeggoondah Dr.</i>	... Bangalore	On a small isolated hill at the E. foot of which lies the village of Hëggunda, about a mile E. of Hálenhalli on the road from Dobbspet to Körtagiri, and 3¼ miles N.W. by W. of the large village of Manne: taluk Nêlamangala. 1802-6.	13 16 36·9	77 17 57·1	[3463]	1717
Hemagiri, XLIV ...	... Tûmkûr	<i>Vide page 14—A.</i> ... ..	12 48 42·80	77 5 26·29	$\frac{3084}{\dagger}$	57 70
Hemagiri h.s. ... <i>Yammagherry H.P.</i>	... "	On the large tower of a pagoda on a prominent hill, about a mile S.E. of the large village of Huliýúrdurga on the high road from Kunigal to Maddûr, the same distance E. of this road, and 3 miles W.N.W. of Ujani: taluk Kunigal. 1801.	12 48 42·14	77 5 26·27	[3079]	426
Hënnûr s. ...	... Bangalore	On the top of the rocks above a stone quarry, about ¼ a mile E.N.E. of the village of Hënnûr, 1 mile W. of Agara, and 4¼ miles N.E. of Bangalore Cantonment Railway Station: taluk Bangalore. The station consists of a circular isolated pillar of masonry, 2 feet high, with mark-stones at top and bottom, and surrounded by a platform of stones and earth. 1867-68.	13 2 2·18	77 40 57·18	2941‡	1728
Herohalli s. ... <i>Yarrapilly S.</i>	... "	About ¼ a mile N.N.E. of the village of Herohalli which is ½ of a mile N. of the high road from Bangalore city to Mágadi, and 5½ miles W. by N. of Bangalore City Railway Station: taluk Bangalore. 1801.	12 59 56·07	77 31 59·04	...	429
Hindupur Temple (helio.) ...	... Anantapur	On a low hill called Gudamkônda about 40 feet high, about ¼ a mile N.W. of Shivkônda village, the same distance N.E. of Hindupur, 2½ miles in the same direction from the Pinákini river, and 4¼ miles N. of Kotapi village near the Mysore boundary: taluk Hindupur. The point is marked by a circle and dot engraved on the paka plaster on the top of the temple of Rangaswámi which is 8½ feet in height from the ground. Another mark surrounded by a triangle is engraved on the rock <i>in situ</i> 40 feet from the S.W. end of the temple. 1870.	13 49 44·38	77 32 49·23	$\frac{2066\text{§}}{9}$	396 397

\* This station is the same as Hauhoballam s. of the Madras Meridional and Coast Series. † See description of this station.  
‡ This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series. § To top of temple.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Hirēhal Fort ... <i>Heerihaul</i>	Bellary	High cavalier in the middle of the fort of Hirēhal on the high road from Bellary and about 10½ miles S.W. of it, and ½ a mile S.E. of the village of Dandinahirēhal: táluk Bellary. 1812-13.	15 0 28·0	76 52 46·8	<i>feet</i> [1708]	1245
Hirēhatti Hill Stone ... <i>Yatak H.</i>	"	On the extreme north-western point of a mass of hills, about ½ a mile E. of the village of Hirēhatti, 1½ miles S. by E. of Bōmmagōndlahalli village, the same distance S.S.E. of Chinna Hyati, and 3½ miles S.E. of Hōlalagundi: táluk Álúr. 1813-14.	15 28 3	77 8 15	...	...
Hiriyúr Pagoda ... <i>Heereoor P.</i>	Chitaldroog	In the fort of the town on the right bank of the Vedavati river and at the junction of the high roads from Sira and Hulyár: táluk Hiriyúr. 1813.	13 56 42·2	76 39 26·3	...	1378 1379
Hissáramuravani Turret ... <i>Mooravunnigutt</i>	Bellary	Close S. of the village of Hissáramuravani, about 3 miles S.E. of Jálavádi on the Pēdda Vagu river, and 7½ miles in the same direction from Malapalli village on the high road from Ráichur to Ádoni: táluk Ádoni. 1812-13.	15 46 3·6	77 27 39·8	...	...
Holágundi Pagoda ... <i>Holagoondy</i>	"	Also called Shidlingam. On a rock on the road from Huvinahadgalli town to Bēnnakal fort, about 5 miles E. of the former place: táluk Huvinahadgalli. 1813-14.	15 1 49·6	76 2 29·4	...	*
Hōlalagundi h.s. ... <i>Holelgoondah S.</i>	"	On a high hill locally known as Siddapakōnda, about a mile N. by W. of the village of Hōlalagundi, 3 miles E.N.E. of Nagarakanivi village, and 2½ miles W. of Chinna Hyati: táluk Álúr. The station consists of a platform with a large tree in the centre supported by a pyramid of stones. 1813-14.	15 29 58·89	77 4 49·16	2159	1031
Hōlalkēre Pagoda ... <i>Holelkurra P.</i>	Chitaldroog	Highest spire of the white pointed pagoda in the fort of the town on the high road from Channagiri to Chitaldroog, about 2½ miles S.E. by S. of Adnúr, 4½ miles W. of Madderu, and 4½ miles N.E. by E. of Nulenúr: táluk Hōlalkēre. 1813.	14 2 39·5	76 13 36·5	...	1402
Hōnnúr, XXIX ...	Bellary	<i>Vide page 11—A.</i> ...	14 55 18·96	77 8 29·78	1578·89† 3·0	42
Hōnnúr Fort ... <i>Honoor</i>	"	High turret in the middle of the fort of the town on the high road to Bellary, about ½ a mile E. of the Hagari river, and 2½ miles W. of the Gooty boundary: táluk Báyadrug. 1812-13.	14 54 18·1	77 7 36·7	...	1239 1240
Hōsdurga h.s. ... <i>Wussdroog</i>	Chitaldroog	On a conical hill, about ¼ of a mile S. by E. of the town: táluk Hōlalkēre. 1813.	13 47 19·58	76 19 49·75	[3219]	1394 1395
Hōskote Idgah ... <i>Ooscottah</i>	Bangalore	S. minaret of the idgah on high ground, about ¼ of a mile N.N.W. of the travellers' bungalow, and ¼ a mile S. of the fort and on the road to it: táluk Hōskote. 1801.	13 4 16·6	77 49 26·9	[2890]	440
Hōspet Pagoda ... <i>Hospett</i>	Bellary	Highest, brown and pointed gopuram of the pagoda in the fort near the N.E. corner, close W. of the town, and about 3½ miles E. of the Tungabhadra river: táluk Hōspet. 1813-14.	15 15 57·5	76 25 44·3	...	1265
Hōsúr, L ...	Salem	<i>Vide page 15—A.</i> ...	12 43 32·20	77 52 50·82	3116 †	60 71

\* For triangles fixing this point, see the Synoptical Volume of the Mangalore Meridional Series.  
† See description of this station.

† To upper surface of circular pillar in level with upper

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Hösür h.s. ... <i>Oosoor H.P.</i>	Salem	On the centre of the tower or gopuram of a temple on the same small isolated hill as that on which the principal station of Hösür lies. The local name of the temple is Chüdanáth Íswaraswámi: táluk Hösür. 1801-2. The station was refixed in 1866-67.	12 43 27·98	77 52 50·35	feet [3113]	466 467
Hösür Pagoda ... <i>Hosoor</i>	Bellary	The highest pointed pagoda in the fort on the right bank of the Tungabhadra river, about 2½ miles W. by N. of the Höspet Railway Station: táluk Höspet. 1813-14.	15 17 30·5	76 23 45·0	...	1260
Hotaigudda h.s. ... <i>Hotaegooda S.</i>	Chitaldroog	On the summit of one of several peaks of a range of hills running nearly N.W. and S.E. and forming part of the boundary between the táluks of Chitaldroog and Hösurga, about a mile S. of a large tank, 2½ miles W. of Nálikérs village, and 1½ miles E. of Kumingatta: táluk Chitaldroog. The station is denoted by a platform, with a tree in the centre supported by a pyramid of stones. 1813.	13 58 47·68	76 21 37·83	3246	1302
Huchangipur Fort ... <i>Hosdroog</i>	"	N.E. angle of the fort about 1½ miles N.W. by W. of Diddige, 1½ miles E. by S. of Gudihál, 1 mile S. by W. of Ujjappa Vaderhalli, and 3 miles W. of Uriakatte: táluk Jagalúr. 1813-14.	14 36 4·4	76 11 42·8	...	1289
Hudági, XII ...	Gulbarga	<i>Vide page 8—A.</i>	17 9 12·71	77 16 35·71	$\frac{1431}{3}$	20
Hudedurgam Pagoda No. 1 ... <i>Oodea Dr.</i>	Salem	Close to Hudedurgam Pagoda No. 2: táluk Hösür. 1802-6.	12 31 43·8	77 58 21·1	...	451
Hudedurgam Pagoda No. 2 ... <i>Oodea Dr.</i>	"	On a hill, about a mile S.S.W. of Puram, 2 miles S.E. by E. of Kadudi, and 2½ miles S.S.E. of Nagatone close S. of the road from Ráyakota to Hösür: táluk Hösür. 1802-6.	12 31 41·3	77 58 18·6	...	1741
Huligi Pagoda ... <i>Hoolgy</i>	Nizam's Dominions	White pointed gopuram of the pagoda in the fort close to the left bank of the Tungabhadra river, and about ½ a mile S.S.W. of the Huligi Ghát. 1813-14.	15 18 19·6	76 23 1·6	...	1259
Hulikeri h.s. ... <i>Hoolikeyri H.S.</i>	"	On the southern and one of the highest tops of a hill, about a mile E. of the village of Hulikeri, ½ of a mile W. of Hanamságar, and 2 miles S. of Ráyaspalle. 1816-17.	16 18 43·40	76 28 45·29	...	1157 1158
Huliyúrdurga Building ... <i>Hoolydröog</i>	Túmkúr	On a prominent peak. The large village of Huliyúrdurga is at the N. foot of the hill and on the high road from Kunigal to Maddúr: táluk Kunigal. 1801.	12 49 7·7	77 4 39·4	[2766]	434
Hunshigi Hill Tree ... <i>Hoomshigi H. tree</i>	Nizam's Dominions	The higher of the two large and very conspicuous trees on a large flat-topped hill, about 2½ miles S.E. by E. of the large village of Hunshigi. 1816-17.	16 26 12	76 35 16	...	1152 1153
Huralihal Fort ... <i>Hoorlihaul</i>	Bellary	In the village of Huralihal at the crossing of the high roads from Kúdligi and Bellary: táluk Kúdligi. 1813.	14 42 58	76 35 41	...	...

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Husainpur h.s. ... <i>Hoossanpoor H.S.</i>	Nizam's Dominions	On a hill, in the lands of the village of Husainpur, about 2½ miles N.E. of Kavital town. 1816-17.	16 8 8' 19"	76 51 10' 26"	feet ...	1063 1064
Hutridurga Hill Mark (helio.) ...	Támkúr	On the summit of a fortified hill, about a mile E.N.E. of the village of Hutridurga, the same distance S. of Hálvágál, and 6½ miles W. of Mágadi town: táluk Kunigal. 1867-68.	12 57 41' 46"	77 9 49' 34"	3708	452
Hutridurga Stone ... <i>Ooturdroog</i>	"	Large stone on the N. side of a fortified hill, about 310 yards S.E. by S. of Hutridurga Hill Mark (heliotrope): táluk Kunigal. 1801.	12 57 35' 7"	77 9 56' 6"	...	437
Huvinkatte s. ... <i>Oovenacottah</i>	"	About 1½ miles S.W. by S. of the village of Huvinkatte, and 5 miles W.N.W. of Chelúr town on the high road from Nittur to Síra: táluk Gubbi. 1801.	13 28 25' 55"	76 52 33' 25"	...	1722
Hyderabad College ...	Nizam's Dominions	N.W. minaret of the college or Chár Minár (so called from its four minarets), built upon four grand arches, at which the four principal streets of the city meet. The college is one of the most interesting places in Hyderabad. 1872.	17 21 38' 9"	78 31 0' 2"	1732*	770 771
Hyderabad Hill Mosque ... <i>Hyatabad</i>	"	On a small hill close E. of Khairatabad Railway Station. 1818.	17 24 8' 4"	78 30 45' 9"	...	808
Hyderabad Hill Temple ...	"	Gopuram of the temple on the hill, locally known as Chinnaráyangutta, S. of Hyderabad. 1872.	17 19 22' 7"	78 31 16' 4"	1869†	768 769
Hyderabad Hill Tomb No. 1 ...	"	Dome of Mír Mahmúd's white tomb near the Mír Álám tank W. of Hyderabad. 1872.	17 20 46' 4"	78 28 25' 9"	1830‡	777 778
Hyderabad Hill Tomb No. 2 ... <i>Hyderabad Raymond's Tomb</i>	"	Raymond's tomb (French monument) on a small hill S. of the road to Hayátnagar, and about 2 miles E. of the city walls. 1814-17.	17 21 49' 6"	78 33 27' 1"	...	779 780
Hyderabad House ... <i>Hyderabad</i>	"	N.W. corner of Mr. Frenche's house N.W. of the Residency, and about a mile E. by N. of the village of Námpalli. 1817.	17 23 40' 9"	78 31 22' 3"	...	807
Hyderabad Idgah ...	"	N. minaret of the idgah about 1½ miles E. of the walls of Hyderabad, and 1½ miles N.W. of Champápet village. 1872.	17 21 17' 8"	78 32 35' 3"	1740§	818
Hyderabad Mosque No. 1 ... <i>Hyderabad</i>	"	S.E. minaret of the Mecca Masjid in the city. 1814. The point was refixed in 1872.	17 21 33' 3"	78 30 55' 9"	1748‡	772 773
Hyderabad Mosque No. 2 ...	"	S.E. minaret of the new mosque in Afzalganj, outside the city wall, N. of the river, and close to the Afzal bridge. 1872.	17 22 23' 3"	78 31 3' 4"	1667	774 775
Hyderabad Mosque No. 3 ... <i>Hyatabad</i>	"	At the N.W. corner of Khairatabad village on the railway line to Hyderabad. 1818.	17 24 42' 6"	78 30 10' 3"	...	776

\* To top of balustrade (lower than base of minaret).  
gallery round minarets.    || To top of balustrade of roof.

† To top of gopuram of temple.

‡ To top of balustrade.

§ To top of balustrade of

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Hyderabad, Naubatpahár h.s. ...	Nizam's Dominions	On the northern peak of a low hill, about 200 yards S. of the south end of the Husain Sagar tank, and equidistant from the cantonments of Secunderabad (Sikandarabad) and the city of Hyderabad on the N. and S. respectively. The station is marked by a circle and dot cut on a large stone embedded in a rough platform of stones and earth. 1872. When visited by the Levelling Party in 1888-89, the platform was found completely removed.	17 24 19·02	78 30 39·87	1860·22*	747 748
Hyderabad Statue ... <i>Hyderabad Residency</i>	"	On N. pediment of the Residency. 1813-14. ...	17 23 7·0	78 31 44·2	...	805 806
Hyderabad Tomb ... <i>Hyderabad</i>	"	Towards the S.W. corner of the city and on the road leading into it. 1817.	17 20 48·3	78 30 22·2	...	800
Idindakarai, CII ...	Tinnevelly	<i>Vide page 27—A.</i> ...	8 10 59·51	77 46 18·47	$\frac{110}{3}$	132 133
Iliyanainarkulam, XCVIII ...	"	<i>Vide page 26—A.</i> ...	8 16 19·50	77 46 30·04	$\frac{124}{2}$	138 139
Ilavellankulam Hill Temple ...	"	Centre of the base of a small temple on the Malaipati hill on the road from Tēnkāsi to Ōtapidāram, about 3 miles W.N.W. of Sengampati on the above-mentioned road: tāluk Ōtapidāram. 1874.	8 55 58·5	77 55 46·8	330†	679 680
Illūr Pagoda ... <i>Illoor P.</i>	Anantapur	In the village of Illūr, about 2½ miles S.E. of the large village of Pamidi on the north bank of the Pēnner river at the point where it is crossed by the high road from Gooty to Anantapur: tāluk Gooty. 1811.	14 55 32·8	77 39 43·2	...	340
Imámbára Hill Mark ... <i>Innumbuara</i>	Nizam's Dominions	About 2 miles N.E. by E. of Imréddipalle. 1818-19.	17 3 51·59	78 21 17·92	...	848 849
Impagat, XIII ... <i>Impahgutt S.</i>	"	<i>Vide page 8—A.</i> ...	16 42 32·29	77 41 40·17	$\frac{2332}{3}$	16, 19
Inagandla Fort ... <i>Innagoondloo Dr.</i>	Kurnool	Bastion of the fort about 1½ miles S.S.E. of Gundrevula on the right bank of the Tungabhadra river, 3 miles N.W. of Polukal, and 2½ miles S.W. by W. of Palledōddi: tāluk Rámallakot. 1812.	15 51 16·8	77 45 4·6	1322	905 906
Induvási h.s. ... <i>Injavati H.</i>	Nizam's Dominions	On a hill, close W. of the village fort of Induvási. 1812-13.	16 2 27·76	77 33 10·68	1512	242 243
Innāglūr, XXXV ...	Cuddapah	<i>Vide page 13—A.</i> ...	14 2 22·36	78 6 54·32	$\frac{2895}{3}$	51
Innāglūr Hill Staff ... <i>Innagaloor H.</i>	"	In a gap between two large rocks on a remarkably rocky hill, about 2 miles E. of the village of Innāglūr, 3 miles S.E. of Pulagampalli on the main road to Kadiri, and 7½ miles S.W. of the last-named place: tāluk Kadiri. 1812.	14 2 23·2	78 6 59·5	...	1424

\* To circle and dot engraved on the rock is *sitá*.

† To base of temple.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Innáglúr Turret <i>Innagaloor</i>	Cuddapah	About $\frac{1}{4}$ of a mile E. of the high road from Muddanúr Railway Station to Pulivéndla town, and $2\frac{1}{2}$ miles S. by W. of Tondúr at the junction of the above-named road with that from Bellary: táluk Pulivéndla. 1812.	14 32 13·9	78 18 50·9	feet ...	...
Ipallepalli Hill Pagoda <i>Ippultapilly H.P.</i>	Nizam's Dominions	About a mile E. of the village of Ipallepalli, and 6 miles E. by S. of the large village of Yéljál. 1818-19.	16 47 55·8	78 29 45·3	...	863 864
Iragampalli Fort <i>Irrigumpilly</i>	Kolár	N.E. angle of the fort in the village of Iragampalli, about $1\frac{1}{2}$ miles N. of Junjanhalli, 1 mile E. of the small village of Gundigère, 3 miles W.S.W. of Mudlagolhalli, and $1\frac{1}{2}$ miles S.S.E. of Raguthalli: táluk Chintámani. 1812.	13 32 15·9	78 10 21·6	...	1663 1664
Irumberai h.s. <i>Irrumberra H.P.</i>	Coimbatore	On the platform of a pagoda on the summit of a small isolated hill about $1\frac{1}{2}$ miles N. by W. of Irumberai village at the junction of the high roads from Innur, Satyamangalam and Kariyampálaiyam: táluk Coimbatore. The station is marked by a circle. 1808-9.	11 21 45·06	77 7 44·95	[2157]	1968
Irúr h.s. <i>Irroor H.</i>	Trichinopoly (Tiruchiná-palli)	On a hill, about $1\frac{1}{2}$ miles N. by W. of the village of Irúr which lies $\frac{1}{4}$ of a mile W. of the high road from Trichinopoly to Madras: táluk Përambalúr. 1808.	11 8 45·15	78 52 11·58	...	*
Ísvaramalai h.s. <i>Eeshwarmalli S.</i>	Cuddapah	On a remarkably high peak of a hill, about $1\frac{1}{2}$ miles E. by S. of Mekalachèru village, and 6 miles S.E. of Gandlapènta on the main road from Kadiri to Nambulapulikunta: táluk Kadiri. The station is denoted by a platform with a tree supported by a pyramid of stones in the centre. 1812.	14 1 53·63	78 22 39·06	3169	1425
Itikaldurga h.s. <i>Itticul Dr. S.</i>	Kolár	On the highest bastion of a fort at the W. extremity of a flat-topped hill, about a mile W. of Devikunte, $1\frac{1}{2}$ miles S.E. by E. of Muddakvárpalli, $2\frac{1}{2}$ miles E.S.E. of Kótkote, and 3 miles E.N.E. of the large village of Márgánkunte: táluk Bágèpalli. The station is denoted by a platform having a tree supported by a pyramid of stones in the centre. 1812.	13 54 10·77	77 55 47·47	[3562]	1612 1613
Ittamöli, XC	Tinnevely	<i>Vide page 24—A. ... ..</i>	8 22 24·76	77 55 23·19	$\frac{227}{\dagger}$	117 120
Ittamöli No. 1 s. <i>Red hill S.</i>	"	On one of a group of sand hills, about 2 miles S.E. of the village of Ittamöli on the high road to Viramartandanallúr, and $2\frac{1}{2}$ miles N.N.E. of Sulvamárudur: táluk Ténkarai. The station was denoted by a long picket in the centre of a square of nearly 3 feet formed by four long pickets driven into the drift sand. 1808-9.	8 22 30·42	77 54 50·37	222	702 703
Ittamöli No. 2 s.	"	This station has been destroyed. For further particulars see the description of the principal station of Ittamöli: táluk Ténkarai. 1869.	8 22 24·72	77 55 23·22	...	704
Ittigi Fort <i>Ittica</i>	Bellary	Highest bastion of the fort on the right bank of the Tungabhadra river, about $5\frac{1}{2}$ miles N.E. by E. of Kampli: táluk Hóspet. 1813-14.	15 27 1·7	76 43 1·7	...	1127

\* For triangle fixing this station, see the Synoptical Volume of the South-East Coast Series.

† See description of this station.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Jagannáth Hill Pagoda <i>Jaggernaut H.P.</i>	Kurnool	About 2½ miles N.E. of Pērusomala village, and 1½ miles W. by S. of Giddalūr: Banganapalle State. 1811.	0 1 " 15 4 55·5	0 1 " 78 16 22·1	feet ...	1536
Jagannáth No. 1 h.s. <i>Jaggernaut H.S.</i>	"	On a hill, close to Jagannáth No. 2 h.s.: táluk Rámallakot. 1812.	15 45 50·43	78 4 26·86	1447	833
Jagannáth No. 2 h.s.	"	On the highest of a range of conspicuous hills, about ¼ of a mile E. of the high road from Gooty to Kurnool at the 6th mile-stone from the latter, ¼ a mile S. of Dindurpád at the foot of the hill, and 4½ miles S. of Kurnool: táluk Rámallakot. The station consists of a platform of earth and stones, 10 feet square and 3½ feet high, having a circle and dot engraved on a slab of granite embedded in the centre, about 50 yards E. of an old temple. 1872.	15 45 49·26	78 4 29·56	1445	1017
Jájikalgudda Hill Platform <i>Jaujeculgooda</i>	Bellary	On a hill, about 5½ miles N.E. of the town of Harpanahalli: táluk Harpanahalli. 1811-14.	14 50 48·16	76 5 26·97	...	1281 1282
Jalál Building <i>Jalihal</i>	Nizam's Dominions	A solitary building near a small hill called Karidigudda, about 2½ miles E. by N. of Jalál town, and 3 miles S. of the Kistna river. 1816-17.	16 22 30·3	76 51 51·7	...	1200
Jalál Hill Peak <i>Jalihal</i>	"	S.E. peak of a hill, about 1½ miles S.E. by E. of the town of Jalál. 1816-17.	16 21 5	76 50 58	...	1201
Jalál h.s. <i>Meydulapoor H.</i>	"	On one of a group of small hills about a mile N.E. of the town of Jalál, and ¼ of a mile N. of the road thence to Devadurg. 1816-17.	16 22 26·30	76 50 28·08	...	1193 1194
Jaldurg Hill Tower <i>Jul-droog</i>	"	The highest tower of a fort on a small hill on the right bank of the Kistna river. 1816-17.	16 15 6·5	76 27 44·3	...	1163 1164
Jambanáth h.s. <i>Jumbanautgooda S.</i>	Bellary	On a conspicuous hill near the N.W. extremity of a high range of hills, on the boundary between the Sandúr zamindári and Hóspet táluk, nearly midway between the high roads from Hóspet to Bellary and Sandúr, about 1½ miles E. by N. of Kallahalli village on the latter road, and 4 miles W. of Pápináyikanahalli Station of the Southern Mahratta Railway. The pagoda of Jambanáth is on the N. declivity of the hill and W. of the station. The station consists of a platform, with a tree in the centre supported by a pyramid of stones. 1813-14.	15 13 38·20	76 28 14·53	2989	1137
Janalrájgutta h.s. <i>Jonelrash S.</i>	Nizam's Dominions	On a hill, about ¼ of a mile W. of Vastapuram, and 1½ miles E. by S. of Chilarpur. The station is marked by a circle cut on a large stone sunk in the ground. 1818-19.	16 55 25·10	78 31 56·64	2325	826
Jánikálu, XX	"	<i>Vide</i> page 10— A. ... ..	16 0 56·72	76 59 52·56	$\frac{1549}{4}$	30
Járigat h.s. <i>Jerra Gutt</i>	"	On a small hill about ¼ of a mile N.E. of the town of Ráichur, having the hamlet of Járigat at its W. base. 1816-17.	16 12 47·57	77 24 32·56	...	228 229



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Jarimalai h.s. ... <i>Jerrymalli S.</i>	Bellary	On the summit of one of a group of hills, about $\frac{1}{2}$ of a mile E. by S. of the village of Jarimalai, 9 miles S.E. of Kúdligi, and 1 mile S. of a cross high road which joins two others starting from Kúdligi: táluk Kúdligi. The station is denoted by a platform and a pile of stones. 1818-14.	14 49 4'25"	76 31 41'85"	feet 2752	1220
Javuk Pagoda ... <i>Jouk P.</i>	"	White pagoda in the village of Javuk, about $7\frac{1}{2}$ miles S.E. by S. of Kampli, and $2\frac{1}{2}$ miles N.N.E. of Devalápuram at the junction of the high roads from Kampli and Kamalápuram: táluk Hóspet. 1818-14.	15 19 8'8"	76 42 18'3"	...	1130 1181
Jémbavai Hill Peak ... <i>Chumbavee H.</i>	Coimbatore	Western of two high peaks towards the N.E. end of a detached hill lying immediately N.E. of the great mass known as the Palni hills, about $2\frac{1}{2}$ miles N. of Kallapuram on the S. bank of the Amarávati river, $1\frac{1}{2}$ miles S.W. of Élayamutúr village, and 5 miles S.W. by W. of Kumáralingam on the high road to Udamalpet: táluk Udamalpet. 1808-9.	10 27 59	77 19 8	...	2017
Jénkai Drug ... <i>Jaenkul Dr.</i>	"	Centre of a small isolated hill about $1\frac{1}{2}$ miles W. of the town of Ánaimalai on the high road to Pólláchi, and 1 mile N. of the village of Ódayákulam: táluk Pólláchi. 1808-9.	10 34 53	76 57 13	[1510]	...
Jenkaldurga h.s. ... <i>Janaculdroog</i>	Chitaldroog	On one of a scattered group of small isolated hills, about $1\frac{1}{2}$ miles E. of Bansihalli village, 8 miles N. by E. of the town of Hósdurga, and 5 miles W. by N. of Madalkére on the road from Hósdurga: táluk Hóialkére. 1813.	13 54 31'67"	76 21 31'41"	[2668]	1398
Jetting Rámesvar Hill Rock ...	"	A curiously-shaped rock on the E. peak of a high hill, about a mile E. of the high road from Chalakére to Bellary, and $\frac{1}{2}$ of a mile E. of Jetting Rámesvar Pagoda: táluk Mólkalámur. 1871. NOTE.—A circle and dot engraved on the rock is <i>síá</i> 14 feet N. of a small temple and covered over by a cairn of stones, which was fixed by the Mysore Topographical Survey in 1875-76, is about 10 feet to the N.W.	14 50 49'1"	76 50 16'7"	2470	391
Jetting Rámesvar Pagoda ... <i>Jetting Ramaishwar H.</i>	"	White temple on a hill, about a mile S.W. by S. of Deva-samudra, 2 miles S. by E. of Rámpur on the high road from Chalakére to Bellary near the point where it crosses the Gonde stream, $1\frac{1}{2}$ miles N.N.W. of Rámeságar close N. of the Chinna Hagari river, and $3\frac{1}{2}$ miles W. of Urutál: táluk Mólkalámur. 1812-13.	14 50 55'8"	76 49 56'9"	[2385]	1242 1243
Jiádigudda h.s. ... <i>Jeeadigooda H.S.</i>	Nizam's Dominions	On the highest top of a ridge of large and round hills, about $1\frac{1}{2}$ miles N.W. by W. of Hire Bhergi. The station is denoted by a small platform. 1816-17.	15 46 20'45"	76 31 38'10"	...	1176 1177
Jillalapénta Hill Platform ... <i>Jillalapenta H.</i>	Anantapur	Just S. of the Pattikónda boundary, about 5 miles N. of the Ráyachéru Railway Station, and $1\frac{1}{2}$ miles N.E. of Lakshumalai village: táluk Tadpatri. 1811.	15 7 42'23"	77 53 3'18"	...	1537
Jillarkhanpalle Pagoda ... <i>Jillarkanpully</i>	Nizam's Dominions	Pointed pagoda on a low hill, about $\frac{1}{2}$ a mile S. of the village of Jillarkhanpalle on the road to Kalvakurthi town, and $\frac{1}{2}$ of a mile N. of Upparéddipalle. 1820-21.	16 46 10'5"	78 43 30'0"	...	959 960

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure feet	No. of Triangle
Jogimardi h.s. ... <i>Jogymurruddy</i>	Chitaldroog	On a small temple on the highest part of a conspicuous flat-topped hill, about 3½ miles S. of the town of Chitaldroog, 4 miles E.N.E. of Godabanhál, and 4½ miles E. by S. of Jánkönda which is ½ a mile W. of the high road from Chitaldroog to Hólalkére: táluk Chitaldroog. The station is marked by a circle and dot engraved on the stone rafter of the temple. When visited by the Mysore Topographical Survey Party in 1875-76, the station was found in good order. 1813.	14 9 27.55	76 26 18.80	3726	1890
Jonnagiri Fort ... <i>Joneegherry</i>	Kurnool	S.E. angle of the fort of the town on the high road from Gooty to Ádoni, and about ½ a mile from its junction with that from Kurnool: táluk Pattikönda. 1813-14.	15 13 50.0	77 36 50.9	...	317 318
Jualagi h.s. ... <i>Jowulagi</i>	Nizam's Dominions	On a small hill about a mile S.E. of the village of Jualagi, 2 miles S.W. of Ijeri fort, and 2½ miles E. of Álúr. 1819-20.	16 53 47.81	76 42 40.26	...	984
Kabbáldurga h.s. ... <i>Gopauldroog</i>	Bangalore	On one of the highest points of a range of hills, about ¼ of a mile N.N.W. of Sasápur village, and 3½ miles in the same direction from the large village of Sátanúr which is ¼ of a mile nearly S. of the junction of the roads from Channapatna and Kánkánhalli to Halgúr: táluk Kánkánhalli. 1802-6.	12 29 48.36	77 20 11.46	[3495]	1768 1769
Kadaba s. ... <i>Curpah</i>	Túmkúr	On the N.W. angle of a fort on the road from Nága-mangala to Nittur: táluk Gubbi. 1801.	13 14 34.75	76 54 6.89	...	*
Kadalúrshi h.s. ... <i>Kuddelurshy</i>	Coimbatore	On a hill, about 2½ miles N.W. of Vírapandi village which is a little N. of the high road to Coimbatore, and 11 miles N.W. of the latter place: táluk Coimbatore. 1808-9.	11 5 57.54	76 51 47.72	...	1989 1990
Kadechur Tomb ... <i>Kadasoor</i>	Nizam's Dominions	About ¼ of a mile W. of the town, 3 miles E. of the railway line, and 7½ miles S.E. by E. of Saídápur Station of the Nizam's State Railway. 1813-14.	16 30 59.7	77 22 16.9	...	998
Kadiapatnam h.s. ... <i>Kuddiaputnum S.</i>	Travancore State	On a red sand hill, about a mile E. of the large village of Kadiapatnam on the coast, and 8½ miles W. by S. of Kótár on the road from Cape Comorin to Trivandrum. The station is denoted by a high circular platform of earth. 1808-9.	8 7 53.03	77 21 36.79	246'	1843 1844
Kadiapatnam Light-house ...	"	Also called Muttam. Spire of the light-house about a mile S.E. of the large village of Kadiapatnam. 1838.	8 7 22.4	77 21 30.6	...	2077
Kadiri Hill Pagoda ... <i>Kuddree</i>	Cuddapah	E. gopuram of the large pagoda in the town: táluk Kadiri. 1812.	14 6 30.4	78 11 52.1	...	1467 1468
Kadiridávarpilli Hill Pagoda ... <i>Kuddreedavurpilli P.</i>	Anantapur	In the village of Kadiridávarpilli, about 10½ miles S. of Kalyándrug, 7½ miles W. of the Pénner river, and 5½ miles N.N.W. of Kambadúr: táluk Dharmavaram. 1812.	14 24 36.3	77 12 58.7	...	1312 1313
Kaidár Temple ...	Tianevelly	Centre of the gopuram of the temple near the junction of the roads from Tinnevelly, Ténkási, Ótapidáram and Koilpati: táluk Ótapidáram. 1874.	8 56 47.1	77 48 57.9	260†	678

\* For triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

† To top of gopuram.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kakarkal h.s. ... <i>Kakurkul H.S.</i>	Nizam's Dominions	On the low gopuram of a temple on a hill W. of the village of Kakarkal which is at the foot and on the road from Mosulukal to Gobúr village and 3½ miles S.E. of the former. 1816-17. The station was refixed in 1871.	16 20 12.88	77 5 13.98	feet 1827	979
Kakeri h.s. ... <i>Kukeyri H.S.</i>	"	On the E. tower of a fortified hill, about 1½ miles N.E. of the large village of Kakeri, close W. of the road to this place, and 3 miles N. of a ford and ferry across the Kistna river. 1816-17.	16 24 1.19	76 39 2.84	...	1161 1162
Kalakád Pagoda ... <i>Kalcaud P.</i>	Tinnevely	In the fort of the village of Kalakád at the junction of the roads from Panagudi, Nánguneri and Palamecottah, and 7½ miles W. by N. of Nánguneri town: táluk Nánguneri. 1809.	8 30 52.7	77 35 34.6	...	1917
Kálamalai Hill Pagoda ... <i>Kulumulee H.P.</i>	Nizam's Dominions	A small pagoda on the higher and western of two low hills, about ¼ a mile W. of the S. portion of the village of Kálamalai on the road to Báichur which is 9¼ miles to the E. 1816-17.	16 11 44.9	77 14 29.0	...	1009 1010
Kalamalai h.s. ... <i>Kullamalli</i>	Travancore State	On a hill, about 5½ miles N. of Kallial. The station is denoted by a platform with a mark-stone in the centre. 1808-10.	8 28 56.33	77 17 17.01	2951	1837
Kálamalla Hill Platform ... <i>Kullamullamote</i>	Cuddapah	On a hill, about 2½ miles N.N.W. of the village of Kálamalla, and 3½ miles S.W. of Chinna Dandlúr: táluk Próddutúr. 1812.	14 42 56.62	78 29 11.27	...	1591 1592
Kálamangi h.s. ... <i>Kulumungi H.S.</i>	Nizam's Dominions	On the highest point near the W. end of a short range of hills, and about 1½ miles W.S.W. of the village of Kálamangi on the road from Nauli to Maski. 1816-17.	15 42 48.08	76 33 52.29	...	1172
Kálanagari Hill Tower ... <i>Kulunugayri-boorj</i>	"	Burj of the hill tower about a mile S. of the village of Kálanagari on the road to Kavital, and 4½ miles E.N.E. of the latter. 1816-17.	16 8 0.8	76 54 7.3	...	1078
Kalangavi h.s. ... <i>Kullenguvvy S.</i>	Chitaldroog	On the highest of several hills known as Jámapur hills. The station is towards the S. extremity of a rocky knoll at the foot of which is the Robbers' cave from which the hill derives its name. The ascent from the village of Jámapur which lies towards the S.E. is easy but circuitous (about 1½ miles): táluk Hólalkére. The station is marked in the usual manner. 1812-13.	13 51 24.31	76 8 51.92	3078*	1304
Kalavardurga h.s. ... <i>Butwaurdroog</i>	Kolár	On a conspicuous hill, about 2½ miles N.N.W. of the large village of Nandi at the junction of the roads from Dobbspet and Kolár to Chikballápur, 1½ miles W.S.W. of Kalavara, and 3½ miles W.S.W. of the town of Chikballápur: táluk Chikballápur. 1812.	13 24 57.19	77 43 31.13	[4742]	1704 1705
Kálipati Temple ...	Salem	Large gopuram of the village temple at the junction of the main roads from Námakal, Salem and Érode, about 1½ miles S. by W. of Attaiyampati village, and 4½ miles S.E. of Mc Donald's Choultry (Chávadi) Railway Station: táluk Tiruchéngod. 1869-70.	11 30 54.2	78 4 50.2	...	497 498

\* This value of height is in supersession of that printed in the Synoptical Volume of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kalkote h.s. ... <i>Kulkotah H.S.</i>	Kolár and Bangalore	On a hill close E. of the village of Kalkote, about 3½ miles N.E. by N. of the large village of Túbgère, 1½ miles S. of Kámradhalli, and 5½ miles S. of Manchenhalli close to the road from Goribidnúr to Chikballapur. It is on the boundary of the Goribidnúr and Dódballa-pur táluks. The station is marked by a circle cut on a stone embedded in a platform. 1806.	13 25 10' 46"	77 38 32' 32"	feet 3370	1695
Kallikulam h.s. ... <i>Kullikolum H.</i>	Tinnevelly	On the summit of a small, low, isolated and rocky hill about ¼ of a mile S.W. of the village of Kallikulam, and 2¼ miles N.W. by W. of Samugarangapuram on the road from Travancore to Viramartandanallúr: táluk Nánguneri. 1808-9. The station was refixed in 1869.	8 20 52' 61"	77 42 8' 30"	445	707 708
Kallikulam Hill Tomb	"	Cross on the tomb about 6 feet S.S.W. of Kallikulam h.s.: táluk Nánguneri. 1869.	8 20 52' 6"	77 42 8' 3"	...	...
Kallimedu s. ...	Coimbatore	On a swell of rocky ground, about 1½ miles E. by S. of Kethanúr on the high road from Udamalpet to Palladam, and 1 mile S.W. of Élavanthi: táluk Palladam. The station consists of a platform of stones and earth, 3 feet high, with mark-stones at top and bottom. 1870.	10 54 29' 59"	77 19 58' 05"	$\frac{1334}{3}$	1921
Kallur h.s. ... <i>Kulloor H.S.</i>	Nizam's Dominions	On a small rock on the southern and highest summit of a small cluster of high hills, close S. of the S.W. extremity of the large village of Kallur on the road to Báichur town, and about 6½ miles W. of the railway line from Ádoni. 1816-17.	16 8 5' 39"	77 14 52' 06"	1637	1007 1008
Kalugumalai, LXXX	Madura	<i>Vide page 22—4.</i> ... ..	10 10 7' 93"	78 3 16' 47"	$\frac{4447}{2}$	103 105
Kalugumalai Hill Temple	Tinnevelly	On a small, steep and boulder rock immediately N. of the village of Kalugumalai, about 2½ miles S.E. of Kuruvikulam, and 4¼ miles N.E. by E. of Mahendravádi village on the road from Tinnevelly to Sríviliputúr: táluk Sankaranainárkoil. 1873-74.	9 8 57' 0"	77 44 45' 0"	$\frac{715^*}{12}$	634 635
Kalyándrug Hill Mark No. 1 ...	Anantapur	On a hill, W. of the village of Kalyándrug which lies at its base: táluk Dharmavaram. The point is marked by a circle and dot in a platform. 1871.	14 32 51' 92"	77 8 36' 84"	2378	371 372
Kalyándrug Hill Mark No. 2 ... <i>Kallian Drg.</i>	"	On a hill, about 240 yards W. by N. of Kalyándrug Hill Mark No. 1: táluk Dharmavaram. The point is denoted by a mark in a platform. 1818.	14 32 53' 26"	77 8 29' 70"	...	1339 1340
Kamalápuram Fort ... <i>Koomlapoor</i>	Bellary	Highest bastion of the fort S.W. of the town: táluk Hóepet. 1813.	15 18' 4' 3"	76 30 59' 8"	...	1263
Kamalápuram s. ... <i>Komlapoor</i>	Cuddapah	On the bastion at the W. face of the fort, about a mile N. by W. of the Kamalápuram Railway Station: táluk Cuddapah. 1812.	14 35 55' 98"	78 42 30' 54"	...	1594

\* To roof of temple.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kámankönda Hill Mark <i>Kaumuncondah S.</i>	Támkúr	In a small fort close to a small temple on the highest point on the E. face of a hill, about $\frac{1}{2}$ of a mile N. of the village of Kámankönda, $5\frac{1}{2}$ miles N.E. by N. of the large village of Pansamudra, $2\frac{1}{2}$ miles S.E. by S. of Chikhalli which is $\frac{1}{2}$ a mile E. of the road from Bellary to Pávagada, and $4\frac{1}{2}$ miles E. by S. of Hösdirga: táluk Pávagada. The point is denoted by a platform with a mark-stone in the centre. 1813. It was refixed in 1870.	14 14 55' 14"	77 18 59' 15"	feet 3533	1295
Kámannagutta h.s. ... <i>Kaumingut H.S.</i>	Bellary	On the top of the largest of a group of hills, about $3\frac{1}{2}$ miles S.E. of Kosgi Station of the Madras Railway, and 1 mile N. of the small village of Hulikanvi close to the high road from Ádoni to Ráichur: táluk Ádoni. The station is marked on a large rock. 1813-14. It was refixed in 1871.	15 48 35' 66"	77 19 18' 69"	2094	248 249 250
Kámavaram Pagoda ... <i>Komvar P.</i>	"	On a rock in the village of Kámavaram, about 7 miles S. by W. of Kosgi, and $2\frac{1}{2}$ miles W. of the railway line: táluk Ádoni. 1813-14.	15 46 6' 8"	77 13 56' 4"	...	1058
Kambagal Hill Pagoda <i>Kumbugul H.P.</i>	Nizam's Dominions	Spire of the pagoda about $\frac{1}{2}$ a mile N.E. by E. of the site of the deserted village of Kambagal, $\frac{1}{2}$ a mile W. by N. of Nanjaldinne on the road from Maski to Sindhnúr, and $5\frac{1}{2}$ miles S.W. of the former. 1816-17.	15 53 44' 4"	76 38 10' 0"	...	1180
Kambatiráyan h.s. ... <i>Kumbetarine H.S.</i>	Coimbatore	On the top of the peak, near a small pillar and a place of worship at the edge of a flat-topped hill called Kambatiráyan, about 6 miles N. by E. of the town of Satyamangalam, 2 miles N. of Kurukudu, $1\frac{1}{2}$ miles W. of Malúr, and 2 miles S. by W. of Pavalakunta: táluk Satyamangalam. The station is denoted by a mark-stone in the middle of a platform of earth and stones. 1803-6.	11 35 24' 78"	77 18 46' 06"	5575	1763
Kambattu Boli h.s. ... <i>Madaishura H.</i>	"	On the hill of Kambattu Boli, about $3\frac{1}{2}$ miles W. of Madesvara village, and $2\frac{1}{2}$ miles N.E. of Káduppúr: táluk Köllegál. The station is denoted by a pillar. 1802-6.	12 1 45' 97"	77 35 0' 25"	...	1772 1773
Kammanáyakanpati Church	Tinnevelly	Cross at the E. end of the roof of the Roman Catholic Church in the village of Kammanáyakanpati, about $1\frac{1}{2}$ miles E. of Tittanpati village, 5 miles W.S.W. of the large village of Iralnattam on the high road from Étaiyápuram to Tuticorin, and 8 miles S.E. of Koilpati: táluk Ótapidáram. 1874-75.	9 4 36' 9"	77 58 40' 5"	232*	†
Kampli Fort <i>Kumplee</i>	Bellary	N.E. angle of the fort of the town on the high road to Bellary, and about a mile E. of the Tungabhadra river: táluk Hösset. 1813-14.	15 24 17' 5"	76 38 41' 2"	...	1182
Kanakal Fort <i>Kunnackul</i>	"	High turret in the centre of the fort about $\frac{1}{2}$ a mile W. of the Hagari river, 17 miles N.E. of Ráyadrug, and $7\frac{1}{2}$ miles N.E. of Bellaguppa: táluk Ráyadrug. 1813.	14 48 13' 9"	77 7 8' 4"	...	1228
Kanakulam Bungalow <i>Kaucaud Bungalow</i>	Cochin State	Near the town on the high road to Calicut, about 18 miles N.W. of Trichúr, and 5 miles N. by E. of Chávakád in Malabar. 1808.	10 38 49' 2"	76 6 40' 5"	...	...

\* To flat roof of church.

† For triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kanapálaiyam s. ... <i>Coimbatore Base N.W. End</i>	Coimbatore	On high ground in the field of Kanapálaiyam, about $\frac{1}{4}$ a mile N. of Minachi Valasa, $3\frac{1}{4}$ miles E. of Kángyam, $\frac{1}{4}$ of a mile S. of the high road from Kángyam to Muttur, and $1\frac{1}{4}$ miles S. by E. of Pachapálaiyam Temple a very conspicuous landmark: <i>táluk Dhárá-puram</i> . The station consists of a solid circular platform of masonry, 6 feet in diameter, level with the ground, having a circle and dot in the middle. When visited in 1870, Colonel Lambton's station was found in good preservation. 1806.	11 0 6'52"	77 39 13'26"	feet 1017	1918
Kanavaiputtúr h.s. ... <i>Canamapudoor</i>	Salem	On the N.W. point of a mass of hills, about a mile E.N.E. of the village of Kanavaiputtúr, and $5\frac{1}{2}$ miles S.W. of Mallápuram Railway Station: <i>táluk Salem</i> . 1811-14.	11 55 49'40"	78 13 54'08"	...	1745
Kanchagárabēlagal Hill Pagoda <i>Kunchar Bellaqul H.P.</i>	Bellary	About $\frac{1}{4}$ of a mile S. of the village of Kanchagárabēlagal, $2\frac{1}{4}$ miles S.E. of Mudiyanúr on the Hagari river, and 2 miles N. of Hōnnúr on the same river: <i>táluk Álúr</i> . 1813-14.	15 30 48'9"	77 1 46'5"	...	1097
Kanchēngod h.s. ... <i>Kenchengode H.S.</i>	"	On a low hill, about $\frac{1}{4}$ a mile E. of the Tungabhadra river, 4 miles S.W. of Siruguppa, and 1 mile S. of Kanchēngadēm on the above-named river: <i>táluk Bellary</i> . The station is marked on the rock <i>in situ</i> , close to a large rock. 1813-14.	15 35 38'45"	76 53 6'97"	...	1088
Kandēnmarai, IV ...	Nizam's Dominions	<i>Vide page 6—A.</i> ...	17 31 34'45"	77 44 33'47"	$\frac{2246}{12}$	2
Kandkúr h.s. <i>Kandakoor S.</i>	"	On the summit of a low pointed hill, about a mile N.E. of the village of Kandkúr. The station is denoted by a mark-stone sunk in the ground. 1813-14.	16 47 27'83"	77 22 47'03"	1943	977 978
Kandukúr Fort <i>Kundkoor</i>	Cuddapah	S.W. angle of the fort about a mile W. of the junction of the main roads from Kōttakota and Bontalapalli, and 2 miles S. by W. of Gurrambailu village: <i>táluk Madanapalle</i> . 1812.	13 45 53'8"	78 11 54'0"	...	1654
Kandukúr Turret <i>Kundkoor</i>	Bellary	High turret close N. of the village of Kandukúr, about $\frac{1}{4}$ a mile S. of the Tungabhadra river, 5 miles N.E. of Hálwi, and 8 miles N.W. of Kosgi Railway Station: <i>táluk Adoni</i> . 1813-14.	15 56 20'3"	77 12 44'5"	...	1053 1054
Kandúr Hill <i>Kundoor H.</i>	Nizam's Dominions	Close S. of Kandúr, and about $5\frac{1}{4}$ miles W. by S. of Ghanpura town. 1813.	16 32 20"	78 1 9"	...	...
Kanimárpōttai, XCI ... <i>Kunnimapothe S.</i>	Tinnevely	<i>Vide page 24—A.</i> ...	8 30 19'37"	77 39 52'34"	$\frac{685}{2}$	116
Kanjamalai, LXV ... <i>Kunjamalli</i>	Salem	<i>Vide page 19—A.</i> ...	11 36 55'92"	78 6 3'70"	$\frac{3236}{1}$	86
Kankuppa s. <i>Kuncoopa</i>	Chitaldroog	On a conspicuous hill, about $\frac{1}{4}$ a mile N. of the high road from Kúdligi to Chitaldroog, $4\frac{1}{4}$ miles S. of Hōskēre on the same road, and $3\frac{1}{4}$ miles W.N.W. of the town of Jagalúr: <i>táluk Jagalúr</i> . The station is marked on the highest bastion. 1813.	14 32 53'93"	76 19 51'69"	...	1358 1359

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kámkurthi h.s. ... <i>Kaunkoortee S.</i>	Nizam's Dominions	On the top and near the W. brink of a conspicuous flat-topped hill, about 1½ miles N.N.W. of Kámkurthi on the road to Gurmatkál town. The station is denoted by a mark-stone fixed on the top of the hill. 1813-14.	16 54 28.44	77 30 12.19	feet 2331	976
Kannaganpilli Fort ... <i>Kunnagunpilly</i>	Anantapur	Turret over the gate-way of the fort: táluk Dharmavaram. 1812.	14 26 52.8	77 33 58.9	...	...
Kannaganpilli Pagoda ... <i>Kunnagunpilly H.P.</i>	"	About ¼ a mile W.S.W. of Kannaganpilli Fort: táluk Dharmavaram. 1811.	14 26 44.5	77 33 32.3	...	302
Kannágöndahalli Hill Pagoda ... <i>Kunnukoandunuhulli H.P.</i>	Nizam's Dominions	About ¼ of a mile N.W. of the small village of Kannágöndahalli, and 2 miles S.S.E. of Hunshigi. 1816-17.	16 25 40.2	76 34 24.6	...	1211 1212
Kannangod Hill Mark ... <i>Kunnangode H.</i>	Malabar	On a mound on one of a group of hills, about 4 miles S.E. by S. of Támracheri, 1 mile N.W. of Wamacheri, and 1½ miles E.N.E. of Putúr. The point is denoted by a stone. 1808-9.	11 22 15.34	76 0 41.90	...	1865
Kannikallakönda h.s. ... <i>Kunnikulacönda</i>	Cuddapah	On the central point of a mass of hills lying immediately E. of the main road from Kadiri to Pulivéndla, about 4 miles N.E. of Alampur village on the above-named road: táluk Kadiri. The station is denoted by a mark-stone in a platform. 1812.	14 13 25.30	78 15 27.79	...	1473 1474
Kanúrpati Hill Mark (helio.) ...	Tinnevely	On an isolated hill, about 1½ miles S.W. of the village of Kanúrpati, and 2½ miles N.N.W. of Manúr close W. of the road from Sankaranainárkoil to Tinnevely: táluk Tinnevely. The point is marked by a circle and dot in a platform. 1874.	8 53 1.92	77 40 31.07	521	692
Karachimala h.s. ...	Malabar	On the highest point of a low hill, chiefly a mass of rocks, on the left bank of the Pönáni river, about 2 miles S.W. of the railway station of Pálghát, and the same distance W. of Vadákantára: táluk Pálghát. The station occupies the centre of a pile of stones in which no mark was found. This was removed and a circle and dot engraved on the rock <i>in situ</i> . 1874. It was re-visited in 1880.	10 47 7.74	76 39 28.75	473	1932
Karadibanda h.s. ... <i>Curridibunda</i>	Kolár	On a small hill about 1½ miles S. of the 29th mile-stone on the high road from Hóskote to Kolár, and 3 miles S.W. of Narsápur on the same road: táluk Málúr. The station is at the foot of a stone pillar. 1801.	13 6 37.31	78 0 18.95	[3071]	470
Karadigutta, LXII ...	Salem	<i>Vide page 18—A.</i> ... NOTE.—As Colonel Lambton's station of Gardeegootah (fixed in 1802-6) has disappeared, all his observations have been referred to this station.	11 59 28.54	77 55 3.78	1982 1	81
Karadillakuppam Platform ... <i>Kurradillacoopa</i>	Cuddapah	On a hill, about 5½ miles N.N.E. of the large village of Vanipénta, and 2 miles E. by S. of the Police Station and village of Mudiréddipalle: táluk Pröddutúr. 1812.	14 51 19.35	78 52 23.40	...	*

\* For triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Karaji s. ... <i>Kubbair Kuruzugi</i>	Nizam's Dominions	In the village of Karaji, and about 3 miles S.W. by S. of Máshal village. 1819-20.	17 16 54·32	76 15 20·80	feet ...	*
Karangkaradu h.s. ...	Salem	Also called Vēllakalpattikaradu. On one of a group of detached hills, about 1½ miles E. by S. of Karuppúr village, 1½ miles E. by N. of the crossing of the S.W. Line of the Madras Railway and the high road from Omalúr to Salem, and 4 miles N.W. of Salem Jail: táluk Salem. The station is marked by a circle and dot engraved on a large boulder 6 feet E. of the highest one, surrounded by a platform of loose stones 6 feet square. 1870.	11 42 52·57	78 9 17·24	1426	489
Karatgi Hill Mark ... <i>Karutugi H.S.</i>	Nizam's Dominions	On a small isolated hill about 1½ miles E.S.E. of the village of Karatgi on the road to Chalúr, and 6½ miles E. of the latter. 1816-17.	15 36 2·64	76 43 43·12	...	1171
Karēddigudda No. 1 h.s.† <i>Kurdygooda</i>	Bellary	On a hill close N. of the road to Harpanahalli town and about 4½ miles E. of it: táluk Harpanahalli. The station is denoted by a mark in a platform. 1811-14.	14 47 42·95	76 6 6·39	...	1279 1280
Karēddigudda No. 2 h.s. <i>Kurruddygooda</i>	Chitaldroog	On a hill, about 1½ miles W. by S. of Kartēnhalli, 2½ miles N. of Gogúd, 5½ miles S.W. by W. of the large village of Aimangala on the high road from Chitaldroog to Hiriyúr, and 2 miles E. by N. of Kolhál: táluk Hiriyúr. 1813.	14 2 42·88	76 30 37·12	[3146]	1373 1374 1375
Karēkal h.s. ... <i>Kurriakul H.S.</i>	Túmkúr	On the summit of a low hill near the centre of a short range of hills running nearly N. and S. and forming the boundary of Túmkúr and Anantapur districts, about ½ of a mile W. by S. of Hóttētimmerhalli, and 2 miles S.E. of Hárogēre: táluk Síra. The station is denoted by a platform having a tree supported by a pyramid of stones in the centre. 1813.	13 55 10·77	77 5 6·77	2650	1318 1319
Karibötta h.s. ... <i>Berrabetta</i>	Salem	On a hill, about 1½ miles W. by S. of Hóshatti on the road to Hósúr, and ½ a mile S. of Lambádi Tána: táluk Hósúr. 1802-6.	12 26 36·93	77 46 16·75	...	1737
Karigudda Hill Tree ... <i>Kurridikul H.</i>	Nizam's Dominions	About ½ of a mile S. of the village of Karigudda, and 3½ miles W. by S. of Devadurg town. 1816-17.	16 24 1	76 55 41	...	...
Karimalai No. 1 h.s. ...	Malabar	Also known as Pēriyakunjara. On the most prominent peak of the range of hills lying due N. of Pálghát and running E. and W., and about 3½ miles W. by S. of Akkarabolamampati village at the W. extremity of the high road from Coimbatore: táluk Pálghát. The station is marked by a circle and dot engraved on a large stone securely embedded in the ground, and covered over by a pile of stones and earth. 1874. When visited in 1880, the station was found in good preservation.	10 55 43·48	76 42 4·43	6550	1931
Karimalai No. 2 h.s. <i>Perriakunjee H.</i>	"	On a hill, about 22 feet S.S.W. of Karimalai No. 1 h.s.: táluk Pálghát. 1808-9.	10 55 43·27	76 42 4·36	...	1972

\* For triangles fixing this station, see the Synoptical Volume of the Bombay Longitudinal Series.  
† This station is the same as Karēddigudda h.s. of the Mangalore Meridional Series.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kēre Bēlagal, XXI ... <i>Kerra Bellagull H.S.</i>	Kurnool	<i>Vide page 10—A ...</i>	0 1 " 15 48 42·94	0 1 " 77 43 26·38	<i>feet</i> $\frac{1415}{3}$	25
Kēshavapuram Hill Platform ... <i>Kaeshwapoor</i>	Cuddapah	On a knoll at the northern extremity of a range of hills running N. and S., about 3½ miles N. of the large village and police station of Nandyālampet close to the high road from Prōddutūr to Bādvel, and 2½ miles S.E. by S. of Vānipēnta: tāluk Prōddutūr. 1812.	14 45 59·93	78 50 47·26	...	1581
Khairātabad Hill Mosque ...	...	<i>Vide Hyderabad Hill Mosque ...</i>	...	...	...	...
Khairātabad Mosque ...	...	<i>Vide Hyderabad Mosque No. 3. ...</i>	...	...	...	...
Kharīdigudda Hill Tower ... <i>Kulludugoodda</i>	Nizam's Dominions	On a small isolated hill at the E. foot of which is the deserted village of Kharīdigudda, and about 3 miles N.W. by N. of the town of Mānvi. 1816-17.	16 1 44·3	77 3 56·6	...	1076
Khēdda Hill Cairn ... <i>Khedda</i>	"	About ¼ of a mile S.E. by E. of Kumār Khēdda village. 1816-17.	15 51 54	76 30 36	...	...
Kinattukkadavu h.s. ...	Coimbatore	On the roof of a rock temple on the S.E. peak of a hill which is a mass of granite rocks, close above the high road from Coimbatore to Pōllāchi and opposite to the village of Kinattukkadavu, about 13 miles from Coimbatore, and ¼ a mile S. of Panthalanthai village: tāluk Pōllāchi. The station is denoted by a square mark-brick fixed to the roof, 44·3, 42·3 and 45·0 feet respectively from the N.E., S.W. and N.W. corners. 1874.	10 49 14·74	77 3 34·97	1205	1929
Kishoragutta h.s. ... <i>Keessergutt S.</i>	Nizam's Dominions	On a high hill, about 1½ miles E.N.E. of Kishora village, and 150 yards S. of a large temple on the hill. The station is denoted by a mark cut on the rock <i>in situ</i> . When visited in 1872, Colonel Lambton's upper mark was not found, the ruined platform was therefore removed to refer to the mark on the rock. 1817-21.	17 31 36·89	78 43 54·62	2083	746
Kistna Railway Station (helio.)	"	About 1½ miles W.S.W. of Indupur village. The point is marked by a circle and dot engraved on the roof of the G. I. P. Railway Station, 27·3 feet above the rail level. 1871.	16 24 34·14	77 22 15·00	1165*	222†
Koangamalai Hill Mark ... <i>Koanganmalli</i>	Malabar	On the S. part of a hill, about ¼ a mile N.E. of Chēngara, 1½ miles S. of Irāvati, and 5½ miles N.N.W. of the village of Manjeri. 1808-9.	11 10 34·09	76 7 53·04	...	1858
Koatpalle Mark (helio.)	Nizam's Dominions	On a tower 32 feet above the ground in the centre of the village of Koatpalle. 1872.	17 23 0·94	77 47 6·50	$\frac{1762\ddagger}{32}$	149
Kodagurki h.s. ... <i>Koadly H.</i>	Bangalore	On the highest peak towards the S.W. end of a small mass of hills, about ¼ a mile E. by S. of the village of Kodagurki on the road from Bangalore to Nundydroog (Nandidurga), and 1 mile W. of Āvati which is ½ of a mile S. of the 26th mile-stone on the road from Bangalore to Chikballapur: tāluk Devanhalli. The station is denoted by a pile of stones. 1801.	13 17 47·03	77 44 59·75	[3486]	442 443 444

\* To roof.

† The co-ordinates have been deduced from this triangle only, *vide* foot-note on page 43—<sub>2</sub>.

‡ To tower.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kōdaikānal Bungalow ...	Madura	Centre of the bungalow between the two chimneys of Mr. Muttu Krishna's large white house at the N. end of the sanitarium, and about a mile N. by E. of the Roman Catholic Church; the house is to the N. end of the lake and about 30 feet above an outlet of it: firka Kōdaikānal. 1871.	0 1 " 10 14 14'3	0 1 " 77 31 49'5	$\frac{\text{feet}}{6885}$ 17	592
Kōdaikānal Church ...	"	Low tower or cross at the N.E. end (front) of the Roman Catholic Church, a large white building, the highest in the place, at the S. end of the sanitarium on the southern edge of the high plateau of the Palni hills, about 8 miles N. by E. of the town of Pēriyakulam, 1 mile N. of the small village of Kolukave, and 5½ miles S.E. of Pūmbare: firka Kōdaikānal. 1871.	10 13 18'9	77 31 37'5	$\frac{7212^*}{25}$	595 596
Kōdaikānal Cottage ...	"	Tall chimney or spire of Lord Napier's cottage, a long white building on the edge of the precipice, S.E. of the sanitarium, and about ¼ of a mile E. by N. of the Roman Catholic Church: firka Kōdaikānal. 1871.	10 13 27'4	77 31 54'4	...	598
Kodanād h.s. ...	Nīlgiri	On the W. end of a high ridge of hills separating the N.E. portion of the Nīlgiri plateau from the other portion, about 13 miles N.E. of Ootacamund, and ¼ a mile S.W. of the village of Kodanād. The station is marked by a circle and dot cut on the rock <i>in situ</i> and covered over by a pile of stones. 1870.	11 30 10'97	76 55 59'88	6738	513 514
Kodangal, VIII Kota Koddangul S. ....	Gulbarga	<i>Vide page 7—A. ...</i>	17 7 57'35	77 40 52'91	$\frac{1906}{3}$	13
Kodargargutti Hill ... Bussawunbetta	Anantapur	One of a group of small detached hills lying immediately S.E. of the main road from Madōddi to Pāvagada, about a mile N.E. by E. of Kodargargutti, and 1½ miles S.W. of Hottabētta on the above-named road: tāluk Madakasira. 1801.	13 51 53	77 10 50	[3395]	...
Kōdavēndlapalli Fort Kodawundlapilly ...	Cuddapah	N.E. angle of the fort about ¼ a mile from the right bank of the Madduler river, and 3¼ miles E. of Uppalapād village: tāluk Kadiri. 1812.	14 28 12'3	78 0 17'1	...	1568 1569
Kodayattūr h.s. ... Kodayathoor H.S.	Travancore State	On a very high one of a series of parallel ranges of hills running down in a N.W. direction from the plateau on the eastern boundary of Travancore, about 1½ miles from Kodayattūr, 4 miles W. of Arakulam, and 7 miles S.E. of the large village of Kārkod. The station is denoted by a platform with a circle engraved on the rock <i>in situ</i> . 1810.	9 48 25'07	76 49 13'71	3166	1828
Kodūr Fort ... Kodoor	Cuddapah	Middle bastion on the E. face of the fort about a mile N. of the Pēnner river, and 3¼ miles N.E. of Tālla Prōddutūr on the high road from Bellary to Madras: tāluk Jammalamadugu. 1812.	14 52 24'1	78 8 43'6	...	1557 1558
Kodūrkunnu Hill Mark Kodooreconno ...	Malabar	On a high hill, about 2 miles S.E. of the village of Kūrava, and 4 miles E. of Puthar. 1808-9.	11 0 12'42	76 6 55'75	...	1856

\* To cross of church.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kogarabanda h.s. ... <i>Kogarabunda</i>	Anantapur	On a hill pagoda about $\frac{1}{2}$ a mile E. of the high road to Bellary, 2 miles W. of Mangalkunta on the Pénner river, and 12 miles E.S.E. of Kalyándrug: táluk Dharmavaram. 1812.	0 1 " 14 30 5'86	0 1 " 77 19 16'33	feet ...	1305 1306
Koilkönda h.s. ... <i>Koilkondah S.</i>	Kurnool	On a small hill just W. of the village of Koilkönda, about 2 miles N.N.E. of Chennampalli, and $4\frac{1}{2}$ miles E. of Tuggali village at the junction of the high roads from Gooty and Maddikéra to Pattikönda: táluk Pattikönda. The station is marked by a circle and dot cut on a boulder. 1811. It was refixed in 1871.	15 19 13'57	77 39 3'36	1943	263 264
Koilkuntla Fort ... <i>Koilkoonlah</i>	"	Highest cavalier of fort: táluk Koilkuntla. 1811. ...	15 13 49'4	78 21 30'2	...	1544
Koilpati, LXXXIII ...	Tinnevelly	<i>Vide</i> page 22—A. ...	9 9 40'27	77 54 0'81	$\frac{546'14^*}{1'1}$	110 111
Kokkantidrug Pagoda ... <i>Kokuntee Dr.</i>	Cuddapah	Immediately S. of Kokkanti on the main road from Balasamudram to Péddaballi, and 1 mile S.E. by S. of Góllapalli village: táluk Kadiri. The point is denoted by a mark on the pagoda. 1812.	13 55 59'84	78 19 20'83	...	1652 1653
Kóláchal Church ... <i>Kolatchy Rk.</i>	Travancore State	Christian church on a rock. 1808. ...	8 10 32'9	77 16 56'6	...	1907
Kóláchal Landmark ... <i>Kolatchy</i>	"	Building on an island, about a mile from the coast, 5 miles W.N.W. of Kóláchal, and 2 miles W. of Maddalam. 1808.	8 12 43'5	77 13 23'6	...	1906
Koiandumalai Hill Peak ...	"	Highest peak on the E. spur of the Western Gháts, about 13 miles S.W. of Tinnevelly, and 6 miles N. by W. of Kalakád town. 1874.	8 35 18	77 34 14	3625	650 651
Kólangod Hill Peak ... <i>Kolangode</i>	Malabar	Highest and middle point on the range, about 6 miles S.S.E. of the town, $2\frac{1}{2}$ miles S. of the small village of Pernakádcheri, and $5\frac{1}{2}$ miles W. of Oldpádi village on the plateau whence a road descends to Kólangod. 1808-9.	10 32 0	76 46 14	...	1995
Kolár, XLVIII ...	Kolár	<i>Vide</i> page 15—A. ...	13 8 47'28	78 8 16'76	$\frac{4021}{3}$	65 78
Kolár Building ...	"	About a mile S.W. of the travellers' bungalow: táluk Kolár. The point is marked by a circle and dot engraved on the roof of the old kachahri in the town. 1865-66.	13 8 2'23	78 10 17'49	2781	465
Kolár Pagoda ... <i>Colar</i>	"	Great pagoda in the fort of the town: táluk Kolár. 1801-2.	13 8 10'1	78 10 50'0	...	†
Kolár Peak ... <i>Colar</i>	"	Of one of a group of hills lying between the high roads from Kolár to Hóskote and Málúr and having the small village of Chik Haiyúr at its southern foot, about $2\frac{1}{2}$ miles S.E. by E. of Narsápur town on the former road, and 3 miles N. of Vakkaleri on the latter: táluk Kolár. 1801.	13 7 58	78 4 40	...	464

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3.5 feet. Volume of the Madras Longitudinal Series.

† For triangle fixing this point, see the Synoptical

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kolari Hill Mark ... ..	Nilgiri	On about the highest point of the Kúnda mountains separated from the plateau of the Nilgiri hills by the river Kúnda, about 3 miles W.S.W. of Avalanche bungalow, and 1 mile W. of Kudiakád Hill Mark. The point is denoted by a pile of stones over an old survey mark. 1880.	11 17 22' 22"	76 35 53' 85"	feet 8613	1961
Kólattúr Hill Mark ... .. <i>Kolator H.S.</i>	Travancore State	On an open red height, about 1½ miles W.S.W. of the village of Kólattúr, and ¼ of a mile E. of the coast. The point is denoted by a mark-stone. 1808-9.	8 18 59' 24"	77 7 17' 78"	...	1903 1904
Kölem h.s. ... .. <i>Kolem S.</i>	Nizam's Dominions	On a low hill, about 3½ miles S. of the village of Kölem on the road to Amrabad, and 1 mile W. by N. of Útivelupalle village. The station is denoted by a mark-stone in the centre of a platform 13 feet high. 1812.	16 14 59' 58"	78 49 11' 57"	2784 13	*
Koliga h.s. ... .. <i>Koagly H.</i>	Bangalore	On a hill, about ¼ a mile S. of Chik Koliga village close E. of the road from Hóskote to Jangamkote, and 5½ miles N.E. by N. of the former: táluk Hóskote. The station was denoted by a tent-peg and bushes. 1801.	13 8 59' 86"	77 52 20' 76"	...	416 417
Köllimalai Hill Peak ... ..	Salem	S.W. peak, the highest point on the Köllimalai plateau, about ¼ a mile W. of Virakanurupati village, 4 miles E. of the large village of Pálaiyapálayam, and 5 miles N.N.E. of Pónneri village: táluk Námakal. 1870-71.	11 13 20	78 20 41	4240	530 531
Köllupálayam, LXXV ... ..	Coimbatore	<i>Vide page 21—4. ... ..</i>	10 41 41' 33"	77 21 37' 93"	1210 3	100
Kólúr Hill Pagoda ... .. <i>Koloor P.</i>	Bellary	In the village of Kólúr W. of the high road to Bellary, and about 4½ miles W. of Korlagóndi: táluk Bellary. 1813-14.	15 17 0' 5"	76 56 59' 9"	...	1217
Komálkaradu, LXVIII ... ..	Coimbatore	<i>Vide page 19—4. ... ..</i>	11 25 42' 17"	77 32 22' 62"	755 2	88 90
Konakóndla h.s. ... .. <i>Konacoondloo H.</i>	Anantapur	On a hill, close to the village of Konakóndla on the high road from Guntakal to Anantapur, and about 4½ miles S. of Guntakal Railway Junction Station: táluk Gooty. The station is marked by a circle and dot. 1811. It was refixed in 1871.	15 6 35' 07"	77 24 38' 72"	1959	288 289
Kóndakómerla Fort ... .. <i>Kundakamurlah</i>	Cuddapah	Flag over the gateway on the N. face of the fort about 2½ miles S.W. by W. of Kurumála village, and ¼ a mile W. of Gangiréddipalli: táluk Kadiri. 1812.	14 4 2' 2"	77 59 50' 8"	...	1627
Kóndanágula Hill Pagoda ... .. <i>Konahgole</i>	Nizam's Dominions	Black gopuram of the pagoda about ¼ a mile S. by E. of the large village of Kóndanágula. 1818-21.	16 19 30' 2"	78 38 16' 1"	...	875 876
Kóndapalli, XXXI ... .. <i>Condapilly H.S.</i>	Anantapur	<i>Vide page 12—4. ... ..</i>	14 31 48' 95"	77 26 42' 81"	2255 3	39 44

\* For triangles fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Köndapur h.s. ... <i>Köndapooram H.P.</i>	Túmkúr	On a small hill about a mile N.N.E. of the village of Köndapur, 1½ miles E.S.E. of Madanhalli, 1½ miles W. by S. of Kodampur, and 2 miles N.W. of Shirvára close to the road from Gubbi to Kunigal: táluk Gubbi. The station is about 15 or 20 feet N. of a small pagoda. 1801.	13 14 23' 28"	77 1 7' 84"	feet [2745]	1721
Kondarpidurga h.s. ... <i>Koondarpee Dr. S.</i>	Anantapur	On the highest part of a hill fort about 4½ miles W. by N. of the large village of Bëstarhalli: táluk Dharmavaram. The station is denoted by a mark-stone in a platform. 1813. It was refixed in 1870.	14 18 0' 09"	77 4 31' 01"	2992	1297
Kondringi Hill Peak ...	Madura	Highest point of one of a small range of hills, about 7½ miles W. of Yeddikota, 3 miles S. of the high road from Dindigul, and 1 mile N.E. of Kírnúr: táluk Palni. 1870-71.	10 37 47"	77 46 37"	2702	552 553
Kondurai s. ... <i>N. End of the Base</i>	Travancore State	About ¼ a mile N.N.W. of the village of Kondurai, ¼ of a mile N.E. of the junction of two high roads to Quilon (Köllam) from which it is 8½ miles to N.E. by E., 3½ miles N.E. of Përunád, and 1½ miles W. of Yëllakonom. 1809.	8 58 17' 72"	76 43 50' 09"	...	1889
Koniapalle Hill Mark <i>Konayepullee</i>	Nizam's Dominions	On a hill, about 1½ miles N. of the village of Koniapalle, 1½ miles S. by W. of Chippalpalle, and 1½ miles W. by N. of Lingampalle. 1818-19.	17 1 39' 57"	78 25 33' 67"	...	850 851
Könköntlu h.s. ... <i>Siddarmalli S.</i>	Kolár	On the highest peak of a rocky isolated hill, about a mile S.S.E. of Kotpalli, 1½ miles N.N.E. of Batlahalli, 2½ miles W.N.W. of Mungánhalli, and 1½ miles W. of Chandragolpalli: táluk Chintámani. The station is denoted by a platform E. of a number of large stones. 1812.	13 36 1' 67"	78 11 12' 61"	[3133]	1615 1616
Kopal h.s. ... <i>Copul</i>	Nizam's Dominions	On a hill, about a mile W. of the town. 1816-17. ...	15 20 35' 17"	76 10 42' 25"	...	1253 1254 1255 *
Kopal Pagoda <i>Eeswuru Pag.</i>	"	Known as Ishvara temple. Close N. of the town and Railway Station. 1816-17.	15 21 6' 3"	76 11 42' 8"	...	1256
Kopaldurg Fort <i>Kopala Dr.</i>	"	Round bastion on the top of the durg; it is somewhat the highest and most eastern of several similar works. On a hill, about a mile S. of the town. 1811-14.	15 20 18' 5"	76 11 24' 3"	...	†
Köppabëtta, LVIII ... <i>Copahbetta</i>	Bangalore	<i>Vide page 17—A.</i> ...	12 21 45' 44"	77 32 12' 17"	2820 3	68
Köppakönda Hill Mark <i>Kopacondah</i>	Nizam's Dominions	On a hill, about 1½ miles E.S.E. of Kappád, 1½ miles S.W. of Mëttachëru, and 4½ miles S. by W. of Ibráhimpatan. 1820.	17 7 51' 50"	78 40 40' 29"	...	962 963
Köppaköndaráyan Hill Pillar <i>Kopecondroyn H.</i>	Kolár	About 1½ miles S.E. by S. of Pënnamale, 1½ miles S.S.E. of Balrëddipalli, 6½ miles E. by S. of the town of Bágëpalli, and 3½ miles E.N.E. of the large village of Yëllampalli close E. of the road from Bágëpalli to Chintámani: táluk Bágëpalli. 1812.	13 45 41' 26"	77 55 45' 31"	...	1682

\* For another triangle fixing this station, see the Synoptical Volume of the Mangalore Meridional Series.

† For triangle fixing this point, see the Synoptical Volume of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Köppakundamalai Hill Pagoda ... <i>Kopakoondamalli P.</i>	Salem	On the S. point of a large hill, about $\frac{1}{4}$ a mile N.E. of Sinnamasamudram village, and 2 miles N. of Yérrasamudram on the main road from Salem to Attúr: táluk Attúr. 1810.	11 40 26.2	78 33 15.4	feet ...	1807 1808
Koribétta h.s. ...	Níliri	On the easternmost peak of the Níliri plateau, about 2 miles N.E. of Coonor (Kunnúr), and 2 $\frac{1}{4}$ miles E. of Wellington. The station is marked by a circle and dot cut on the rock <i>in situ</i> , and covered over by a pile of stones. 1870.	11 21 10.21	76 52 5.19	6696	521 522
Koriköndagutti Hill Tree ... <i>Coricondagutt H.</i>	Nizam's Dominions	On a conical hill, about a mile S. of Chintarval, 2 $\frac{1}{4}$ miles N. of Manapuram, and 3 miles S. of the Kistna river. 1816-17.	16 17 8	77 44 13	...	...
Korlagöndi Pagoda ... <i>Korlagondy P.</i>	Bellary	In the village of Korlagöndi, about $\frac{1}{4}$ a mile W. of a tributary of the Hagari river, and 4 $\frac{1}{4}$ miles E. of Kolúr which is a little W. of the high road to Bellary: táluk Bellary. 1813-14.	15 16 37.3	77 0 42.7	...	1109
Kosgi Hill Mark ... <i>Koassgy H.</i>	"	On the northernmost of a group of small hills between the town and the railway station of Kosgi, about $\frac{1}{4}$ of a mile S.W. of the former, and $\frac{1}{4}$ a mile N.E. of the latter: táluk Ádoni. The point is denoted by a mark-stone in a platform. 1813-14.	15 51 4.47	77 17 3.25	...	1056 1057
Kotakád Church ... <i>Kotacaud C. Church</i>	Cochin State	About 3 miles N.W. of the town of Trichúr, 3 $\frac{1}{2}$ miles E. of Chittallapole, 1 $\frac{1}{2}$ miles in the same direction from the high road from the former place, and 1 mile W. of the small village of Kutur. 1810.	10 33 58.8	76 14 4.1	...	1876 1877
Kotakal No. 1 Hill Pillar ... <i>Kotacull H.</i>	Bellary	About $\frac{1}{4}$ a mile W.S.W. of the village of Kotakal, 2 miles S.S.E. of Mátákápuram, the same distance E.N.E. of Basapuram, and 1 $\frac{1}{2}$ miles W.N.W. of Devibétta: táluk Ádoni. 1813-14.	15 40 57.69	77 25 44.05	...	1088 1089
Kotakal No. 2 Hill Pillar ... <i>Kotacul H.</i>	Chitaldroog	Great stone pillar on the highest peak of a range of hills running nearly N. and S., about 2 miles E.S.E. of Sánténhalli, 1 $\frac{1}{2}$ miles S.W. of Dugavara village, and 2 $\frac{1}{2}$ miles E. of the high road from Hólalkére to Hösúrga: táluk Hólalkére. 1813.	13 57 41.99	76 16 55.07	[3745]	1388 1389
Kotakunnu s. ... <i>Kotacoonoo</i>	Malabar	On high ground, close to the village of Kotakunnu on the bank of a stream, about 8 miles N.N.W. of the town of Tirukulam, 1 $\frac{1}{2}$ miles E. of the railway line to Calicut, and 2 miles from the coast. The station is marked by a circle. 1808-9.	11 8 11.56	75 53 33.34	...	1860
Kotamaripalle Hill Mark (helio.)	Nizam's Dominions	On the highest portion of a hill at the foot of which to the W. is situated the village of Kotamaripalle. The point is marked by a circle and dot engraved on the paka masonry, 3 $\frac{1}{4}$ feet in diameter, level with the hill top. 1872.	17 30 26.40	77 50 33.36	2204	148
Kotamaripalle h.s. ... <i>Kotamarpilly S.</i>	"	Close to Kotamaripalle Hill Mark (helio.). The station is denoted by a mark on the friable rock about 100 yards S.S.E. of a remarkable banian tree on the hill. 1814-15.	17 30 25.57	77 50 31.29	2195	160 161

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kakarkal h.s. ... <i>Kakurkul H.S.</i>	Nizam's Dominions	On the low gopuram of a temple on a hill W. of the village of Kakarkal which is at the foot and on the road from Mosulukal to Gobúr village and 3½ miles S.E. of the former. 1816-17. The station was refixed in 1871.	16 20 12.88	77 5 13.98	feet 1827	979
Kakeri h.s. ... <i>Kukeyri H.S.</i>	"	On the E. tower of a fortified hill, about 1½ miles N.E. of the large village of Kakeri, close W. of the road to this place, and 3 miles N. of a ford and ferry across the Kistna river. 1816-17.	16 24 1.19	76 39 2.84	...	1161 1162
Kalakád Pagoda ... <i>Kalcaud P.</i>	Tinnevely	In the fort of the village of Kalakád at the junction of the roads from Panagudi, Náguneri and Palamcottah, and 7½ miles W. by N. of Náguneri town: táluk Náguneri. 1809.	8 30 52.7	77 35 34.6	...	1917
Kálamalai Hill Pagoda ... <i>Kulumulee H.P.</i>	Nizam's Dominions	A small pagoda on the higher and western of two low hills, about ¼ a mile W. of the S. portion of the village of Kálamalai on the road to Báichur which is 9½ miles to the E. 1816-17.	16 11 44.9	77 14 29.0	...	1009 1010
Kalamalai h.s. ... <i>Kullaumalli</i>	Travancore State	On a hill, about 5½ miles N. of Kallial. The station is denoted by a platform with a mark-stone in the centre. 1808-10.	8 28 56.33	77 17 17.01	2951	1837
Kálamalla Hill Platform ... <i>Kullamullamote</i>	Cuddapah	On a hill, about 2½ miles N.N.W. of the village of Kálamalla, and 3½ miles S.W. of Chinna Dandlúr: táluk Pröddutúr. 1812.	14 42 56.62	78 29 11.27	...	1591 1592
Kálamangi h.s. ... <i>Kulumungi H.S.</i>	Nizam's Dominions	On the highest point near the W. end of a short range of hills, and about 1½ miles W.S.W. of the village of Kálamangi on the road from Nauli to Maski. 1816-17.	15 42 48.08	76 33 52.29	...	1172
Kálanagari Hill Tower ... <i>Kulunugayri-boorj</i>	"	Burj of the hill tower about a mile S. of the village of Kálanagari on the road to Kavital, and 4½ miles E.N.E. of the latter. 1816-17.	16 8 0.8	76 54 7.3	...	1078
Kalangavi h.s. ... <i>Kullanguvvy S.</i>	Chitaldroog	On the highest of several hills known as Jámapur hills. The station is towards the S. extremity of a rocky knoll at the foot of which is the Robbers' cave from which the hill derives its name. The ascent from the village of Jámapur which lies towards the S.E. is easy but circuitous (about 1½ miles): táluk Hölalkère. The station is marked in the usual manner. 1812-13.	13 51 24.31	76 8 51.92	3078*	1804
Kalavardurga h.s. ... <i>Butwaurdroog</i>	Kolár	On a conspicuous hill, about 2½ miles N.N.W. of the large village of Nandi at the junction of the roads from Dobbpet and Kolár to Chikballápur, 1½ miles W.S.W. of Kalavara, and 3½ miles W.S.W. of the town of Chikballápur: táluk Chikballápur. 1812.	13 24 57.19	77 43 31.13	[4742]	1704 1705
Kálipati Temple ...	Salem	Large gopuram of the village temple at the junction of the main roads from Námakal, Salem and Erode, about 1½ miles S. by W. of Attaiyampati village, and 4½ miles S.E. of McDonald's Choultry (Chávadi) Railway Station: táluk Tiruchēngod. 1869-70.	11 30 54.2	78 4 50.2	...	497 498

\* This value of height is in supersession of that printed in the Synoptical Volume of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kalkote h.s. ... <i>Kulkotah H.S.</i>	Kolár and Bangalore	On a hill close E. of the village of Kalkote, about 3½ miles N.E. by N. of the large village of Túbgere, 1½ miles S. of Kámraddihalli, and 5½ miles S. of Manchenhalli close to the road from Goribidnúr to Chikballapur. It is on the boundary of the Goribidnúr and Dódballapur táluks. The station is marked by a circle cut on a stone embedded in a platform. 1806.	13 25 10·46	77 38 32·32	<i>feet</i> 3370	1695
Kallikulam h.s. ... <i>Kullikolum H.</i>	Tinnevelly	On the summit of a small, low, isolated and rocky hill about ½ of a mile S.W. of the village of Kallikulam, and 2½ miles N.W. by W. of Samugarangapuram on the road from Travancore to Viramartandanallúr: táluk Náguneri. 1808-9. The station was refixed in 1869.	8 20 52·61	77 42 8·30	445	707 708
Kallikulam Hill Tomb	"	Cross on the tomb about 6 feet S.S.W. of Kallikulam h.s.: táluk Náguneri. 1869.	8 20 52·6	77 42 8·3	...	...
Kallimedu s. ...	Coimbatore	On a swell of rocky ground, about 1½ miles E. by S. of Kethanúr on the high road from Udampalpet to Palladam, and 1 mile S.W. of Élavanthi: táluk Palladam. The station consists of a platform of stones and earth, 3 feet high, with mark-stones at top and bottom. 1870.	10 54 29·59	77 19 58·05	$\frac{1334}{3}$	1921
Kallur h.s. ... <i>Kulloor H.S.</i>	Nizam's Dominions	On a small rock on the southern and highest summit of a small cluster of high hills, close S. of the S.W. extremity of the large village of Kallur on the road to Raichur town, and about 6½ miles W. of the railway line from Adoni. 1816-17.	16 8 5·39	77 14 52·06	1637	1007 1008
Kalugumalai, LXXX	Madura	<i>Vide page 22—A. ...</i>	10 10 7·93	78 3 16·47	$\frac{4447}{2}$	103 105
Kalugumalai Hill Temple	Tinnevelly	On a small, steep and boulder rock immediately N. of the village of Kalugumalai, about 2½ miles S.E. of Kuruvikulam, and 4½ miles N.E. by E. of Mahendravádi village on the road from Tinnevelly to Srivilliputúr: táluk Sankaranainárkoil. 1873-74.	9 8 57·0	77 44 45·0	$\frac{715^*}{12}$	634 635
Kalyándrug Hill Mark No. 1	Anantapur	On a hill, W. of the village of Kalyándrug which lies at its base: táluk Dharmavaram. The point is marked by a circle and dot in a platform. 1871.	14 32 51·92	77 8 36·84	2378	371 372
Kalyándrug Hill Mark No. 2 ... <i>Kallian Drg.</i>	"	On a hill, about 240 yards W. by N. of Kalyándrug Hill Mark No. 1: táluk Dharmavaram. The point is denoted by a mark in a platform. 1813.	14 32 53·26	77 8 29·70	...	1339 1340
Kamalápuram Fort ... <i>Koomlapoor</i>	Bellary	Highest bastion of the fort S.W. of the town: táluk Hóspet. 1813.	15 18 4·3	76 30 59·8	...	1263
Kamalápuram s. ... <i>Komlapoor</i>	Cuddapah	On the bastion at the W. face of the fort, about a mile N. by W. of the Kamalápuram Railway Station: táluk Cuddapah. 1812.	14 35 55·98	78 42 30·54	...	1594

\* To roof of temple.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kámankönda Hill Mark <i>Kaumuncondah S.</i>	Túmkúr	In a small fort close to a small temple on the highest point on the E. face of a hill, about $\frac{1}{2}$ of a mile N. of the village of Kámankönda, $5\frac{1}{4}$ miles N.E. by N. of the large village of Pansamudra, $2\frac{1}{2}$ miles S.E. by S. of Chikhalli which is $\frac{1}{4}$ a mile E. of the road from Bellary to Pávagada, and $4\frac{1}{2}$ miles E. by S. of Hösduрга: táluk Pávagada. The point is denoted by a platform with a mark-stone in the centre. 1813. It was refixed in 1870.	14 14 55·14	77 18 59·15	feet 3533	1295
Kámannagutta h.s. ... <i>Kauningut H.S.</i>	Bellary	On the top of the largest of a group of hills, about $3\frac{1}{2}$ miles S.E. of Kosgi Station of the Madras Railway, and 1 mile N. of the small village of Hulikanvi close to the high road from Adoni to Ráichur: táluk Adoni. The station is marked on a large rock. 1813-14. It was refixed in 1871.	15 48 35·66	77 19 18·69	2094	248 249 250
Kávavaram Pagoda ... <i>Komvar P.</i>	"	On a rock in the village of Kávavaram, about 7 miles S. by W. of Kosgi, and $2\frac{1}{2}$ miles W. of the railway line: táluk Adoni. 1813-14.	15 46 6·8	77 13 56·4	...	1058
Kambagal Hill Pagoda <i>Kumbugul H.P.</i>	Nizam's Dominions	Spire of the pagoda about $\frac{1}{4}$ a mile N.E. by E. of the site of the deserted village of Kambagal, $\frac{1}{4}$ a mile W. by N. of Nanjaldinne on the road from Maski to Sindhnúr, and $5\frac{1}{2}$ miles S.W. of the former. 1816-17.	15 53 44·4	76 38 10·0	...	1180
Kambatiráyan h.s. ... <i>Kumbetarine H.S.</i>	Coimbatore	On the top of the peak, near a small pillar and a place of worship at the edge of a flat-topped hill called Kambatiráyan, about 6 miles N. by E. of the town of Satyamangalam, 2 miles N. of Kurukudu, $1\frac{1}{2}$ miles W. of Malúr, and 2 miles S. by W. of Pavalakunta: táluk Satyamangalam. The station is denoted by a mark-stone in the middle of a platform of earth and stones. 1803-6.	11 35 24·78	77 18 46·06	5575	1763
Kambattu Boli h.s. ... <i>Madaishura H.</i>	"	On the hill of Kambattu Boli, about $3\frac{1}{2}$ miles W. of Madesvara village, and $2\frac{1}{2}$ miles N.E. of Káduppúr: táluk Kóllegál. The station is denoted by a pillar. 1802-6.	12 1 45·97	77 35 0·25	...	1772 1773
Kammanáyakanpati Church	Tinnevely	Cross at the E. end of the roof of the Roman Catholic Church in the village of Kammanáyakanpati, about $1\frac{1}{2}$ miles E. of Tittanpati village, 5 miles W.S.W. of the large village of Iralnattam on the high road from Étaiyápuram to Tuticorin, and 8 miles S.E. of Koilpati: táluk Ótapidáram. 1874-75.	9 4 36·9	77 58 40·5	232*	†
Kampli Fort <i>Kumplee</i>	Bellary	N.E. angle of the fort of the town on the high road to Bellary, and about a mile E. of the Tungabhadra river: táluk Höspect. 1813-14.	15 24 17·5	76 38 41·2	...	1182
Kanakal Fort <i>Kunnackul</i>	"	High turret in the centre of the fort about $\frac{1}{4}$ a mile W. of the Hagari river, 17 miles N.E. of Ráyadrug, and $7\frac{1}{2}$ miles N.E. of Bellaguppa: táluk Ráyadrug. 1813.	14 48 13·9	77 7 8·4	...	1228
Kanakulam Bungalow <i>Kaucaud Bungalow</i>	Cochin State	Near the town on the high road to Calicut, about 13 miles N.W. of Trichúr, and 5 miles N. by E. of Chávakád in Malabar. 1808.	10 38 49·2	76 6 40·5	...	...

\* To flat roof of church.

† For triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kanapálayam s. ... <i>Coimbatore Base N.W. End</i>	Coimbatore	On high ground in the field of Kanapálayam, about $\frac{1}{4}$ a mile N. of Minachi Valasa, $3\frac{1}{2}$ miles E. of Kángyam, $\frac{1}{4}$ of a mile S. of the high road from Kángyam to Muttur, and $1\frac{1}{4}$ miles S. by E. of Pachapálayam Temple a very conspicuous landmark: táluk Dhárápuram. The station consists of a solid circular platform of masonry, 6 feet in diameter, level with the ground, having a circle and dot in the middle. When visited in 1870, Colonel Lambton's station was found in good preservation. 1806.	0 1 " 11 0 6'52	0 1 " 77 39 13'26	feet 1017	1918
Kanavaiputtúr h.s. ... <i>Canamapudoor</i>	Salem	On the N.W. point of a mass of hills, about a mile E.N.E. of the village of Kanavaiputtúr, and $5\frac{1}{2}$ miles S.W. of Mallápuram Railway Station: táluk Salem. 1811-14.	11 55 49'40	78 13 54'08	...	1745
Kanchagárabélagal Hill Pagoda <i>Kunchar Bellagul H.P.</i>	Bellary	About $\frac{1}{4}$ of a mile S. of the village of Kanchagárabélagal, $2\frac{1}{2}$ miles S.E. of Mudiyanúr on the Hagari river, and 2 miles N. of Hönnúr on the same river: táluk Álúr. 1813-14.	15 30 48'9	77 1 46'5	...	1097
Kanchéngod h.s. ... <i>Kenchengode H.S.</i>	"	On a low hill, about $\frac{1}{4}$ a mile E. of the Tungabhadra river, 4 miles S.W. of Siruguppa, and 1 mile S. of Kanchénagúdém on the above-named river: táluk Bellary. The station is marked on the rock <i>in situ</i> , close to a large rock. 1813-14.	15 35 38'45	76 53 6'97	...	1088
Kandénmarai, IV ...	Nizam's Dominions	<i>Vide page 6—A. ...</i>	17 31 34'45	77 44 33'47	$\frac{2246}{12}$	2
Kandkúr h.s. ... <i>Kandakoor S.</i>	"	On the summit of a low pointed hill, about a mile N.E. of the village of Kandkúr. The station is denoted by a mark-stone sunk in the ground. 1813-14.	16 47 27'83	77 22 47'03	1943	977 978
Kandukúr Fort ... <i>Kundkoor</i>	Cuddapah	S.W. angle of the fort about a mile W. of the junction of the main roads from Kóttakota and Bontalapalli, and 2 miles S. by W. of Gurrambailu village: táluk Madanapalle. 1812.	13 45 53'8	78 11 54'0	...	1654
Kandukúr Turret ... <i>Kundkoor</i>	Bellary	High turret close N. of the village of Kandukúr, about $\frac{1}{4}$ a mile S. of the Tungabhadra river, 5 miles N.E. of Hálwi, and 8 miles N.W. of Koesgi Railway Station: táluk Ádoni. 1813-14.	15 56 20'3	77 12 44'5	...	1053 1054
Kandúr Hill ... <i>Kundoor H.</i>	Nizam's Dominions	Close S. of Kandúr, and about $5\frac{1}{2}$ miles W. by S. of Ghanpura town. 1813.	16 32 20	78 1 9	...	...
Kanimárpóttai, XCI ... <i>Kunnimapothe S.</i>	Tinnevely	<i>Vide page 24—A. ...</i>	8 30 19'37	77 39 52'34	$\frac{685}{2}$	116
Kanjamalai, LXV ... <i>Kunjamalli</i>	Salem	<i>Vide page 19—A. ...</i>	11 36 55'92	78 6 3'70	$\frac{3236}{1}$	86
Kankuppa s. ... <i>Kuncoopa</i>	Chitaldroog	On a conspicuous hill, about $\frac{1}{4}$ a mile N. of the high road from Kúdligi to Chitaldroog, $4\frac{1}{2}$ miles S. of Höskère on the same road, and $3\frac{1}{2}$ miles W.N.W. of the town of Jagalúr: táluk Jagalúr. The station is marked on the highest bastion. 1813.	14 32 53'93	76 19 51'69	...	1358 1359

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kánkurthi h.s. ... <i>Kaunkoortee S.</i>	Nizam's Dominions	On the top and near the W. brink of a conspicuous flat-topped hill, about 1½ miles N.N.W. of Kánkurthi on the road to Gurmatkál town. The station is denoted by a mark-stone fixed on the top of the hill. 1813-14.	16 54 28' 44"	77 30 12' 19"	feet 2331	976
Kannaganpilli Fort ... <i>Kunnagunpilly</i>	Anantapur	Turret over the gate-way of the fort: táluk Dharmavaram. 1812.	14 26 52' 8"	77 33 58' 9"	...	...
Kannaganpilli Pagoda ... <i>Kunnagunpilly H.P.</i>	"	About ¼ a mile W.S.W. of Kannaganpilli Fort: táluk Dharmavaram. 1811.	14 26 44' 5"	77 33 32' 3"	...	302
Kannágöndahalli Hill Pagoda ... <i>Kunnukoandunuhulli H.P.</i>	Nizam's Dominions	About ¼ of a mile N.W. of the small village of Kannágöndahalli, and 2 miles S.S.E. of Hunshigi. 1816-17.	16 25 40' 2"	76 34 24' 6"	...	1211 1212
Kannangod Hill Mark ... <i>Kunnangode H.</i>	Malabar	On a mound on one of a group of hills, about 4 miles S.E. by S. of Támracheri, 1 mile N.W. of Wamacheri, and 1½ miles E.N.E. of Putúr. The point is denoted by a stone. 1806-9.	11 22 15' 34"	76 04 1' 90"	...	1865
Kannikallakönda h.s. ... <i>Kunnikulacondah</i>	Cuddapah	On the central point of a mass of hills lying immediately E. of the main road from Kadiri to Pulivéndla, about 4 miles N.E. of Alampur village on the above-named road: táluk Kadiri. The station is denoted by a mark-stone in a platform. 1812.	14 13 25' 30"	78 15 27' 79"	...	1473 1474
Kanúrpati Hill Mark (helio.) ...	Tinnevely	On an isolated hill, about 1½ miles S.W. of the village of Kanúrpati, and 2½ miles N.N.W. of Manúr close W. of the road from Sankaranainárkoil to Tinnevely: táluk Tinnevely. The point is marked by a circle and dot in a platform. 1874.	8 53 1' 92"	77 40 31' 07"	521	692
Karachimala h.s. ...	Malabar	On the highest point of a low hill, chiefly a mass of rocks, on the left bank of the Pönáni river, about 2 miles S.W. of the railway station of Pálghát, and the same distance W. of Vadákantára: táluk Pálghát. The station occupies the centre of a pile of stones in which no mark was found. This was removed and a circle and dot engraved on the rock <i>in situ</i> . 1874. It was re-visited in 1890.	10 47 7' 74"	76 39 28' 75"	473	1932
Karadibanda h.s. ... <i>Curridibunda</i>	Kolár	On a small hill about 1½ miles S. of the 29th mile-stone on the high road from Hóskote to Kolár, and 3 miles S.W. of Narsápur on the same road: táluk Málúr. The station is at the foot of a stone pillar. 1801.	13 6 37' 31"	78 0 18' 95"	[3071]	470
Karadigutta, LXII ...	Salem	<i>Vide page 18—A.</i> ... NOTE.—As Colonel Lambton's station of Gardeegootah (fixed in 1802-6) has disappeared, all his observations have been referred to this station.	11 59 28' 54"	77 55 3' 78"	$\frac{1982}{1}$	81
Karadillakuppam Platform ... <i>Kurradillacoopa</i>	Cuddapah	On a hill, about 5½ miles N.N.E. of the large village of Vanipénta, and 2 miles E. by S. of the Police Station and village of Mudiréddipalle: táluk Próddutúr. 1812.	14 51 19' 35"	78 52 23' 40"	...	*

\* For triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Karaji s. ... <i>Kubbair Kuruzugi</i>	Nizam's Dominions	In the village of Karaji, and about 3 miles S.W. by S. of Máshal village. 1819-20.	17 16 54.32	76 15 20.80	feet ...	*
Karangkaradu h.s. ...	Salem	Also called Vëllakalpattikaradu. On one of a group of detached hills, about 1½ miles E. by S. of Karuppúr village, 1½ miles E. by N. of the crossing of the S.W. Line of the Madras Railway and the high road from Omalúr to Salem, and 4 miles N.W. of Salem Jail: táluk Salem. The station is marked by a circle and dot engraved on a large boulder 6 feet E. of the highest one, surrounded by a platform of loose stones 6 feet square. 1870.	11 42 52.57	78 9 17.24	1426	489
Karatgi Hill Mark ... <i>Karutugi H.S.</i>	Nizam's Dominions	On a small isolated hill about 1½ miles E.S.E. of the village of Karatgi on the road to Chalúr, and 6½ miles E. of the latter. 1816-17.	15 36 2.64	76 43 43.12	...	1171
Karëddigudda No. 1 h.s.† <i>Kurdygooda</i>	Bellary	On a hill close N. of the road to Harpanahalli town and about 4½ miles E. of it: táluk Harpanahalli. The station is denoted by a mark in a platform. 1811-14.	14 47 42.95	76 6 6.39	...	1279 1280
Karëddigudda No. 2 h.s. <i>Kurruddygooda</i>	Chitaldroog	On a hill, about 1½ miles W. by S. of Kartënhalli, 2½ miles N. of Gogúd, 5½ miles S.W. by W. of the large village of Aimangala on the high road from Chitaldroog to Hiriyúr, and 2 miles E. by N. of Kolhál: táluk Hiriyúr. 1813.	14 2 42.88	76 30 37.12	[3146]	1373 1374 1375
Karëkal h.s. <i>Kurriakul H.S.</i>	Túmkúr	On the summit of a low hill near the centre of a short range of hills running nearly N. and S. and forming the boundary of Túmkúr and Anantapur districts, about ½ of a mile W. by S. of Hóttëtimmanhalli, and 2 miles S.E. of Hárogëre: táluk Síra. The station is denoted by a platform having a tree supported by a pyramid of stones in the centre. 1813.	13 55 10.77	77 5 6.77	2650	1318 1319
Karibëtta h.s. <i>Berrabetta</i>	Salem	On a hill, about 1½ miles W. by S. of Hóshatti on the road to Hósúr, and ¼ a mile S. of Lambádi Tána: táluk Hósúr. 1802-6.	12 26 36.93	77 46 16.75	...	1737
Karigudda Hill Tree ... <i>Kurridikul H.</i>	Nizam's Dominions	About ¼ of a mile S. of the village of Karigudda, and 3¼ miles W. by S. of Devadurg town. 1816-17.	16 24 1	76 55 41	...	...
Karimalai No. 1 h.s.	Malabar	Also known as Përiyakunjara. On the most prominent peak of the range of hills lying due N. of Pálghát and running E. and W., and about 3½ miles W. by S. of Akkaraibolamampati village at the W. extremity of the high road from Coimbatore: táluk Pálghát. The station is marked by a circle and dot engraved on a large stone securely embedded in the ground, and covered over by a pile of stones and earth. 1874. When visited in 1880, the station was found in good preservation.	10 55 43.48	76 42 4.43	6550	1931
Karimalai No. 2 h.s. <i>Perriakunjee H.</i>	"	On a hill, about 22 feet S.S.W. of Karimalai No. 1 h.s.: táluk Pálghát. 1808-9.	10 55 43.27	76 42 4.36	...	1972

\* For triangles fixing this station, see the Synoptical Volume of the Bombay Longitudinal Series.

† This station is the same as Karëddigudda h.s. of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Karimangalam h.s. ... <i>Caramungle H.</i>	Salem	On a hill on the main road from Krishnagiri to Dharmapuri, and about 2 miles N. of Karimangalam: taluk Dharmapuri. 1802-6.	12 19 57.65	78 15 4.33	feet ...	*
Karivalavandanallūr Pagoda <i>Kurroonelloor P.</i>	Tinnevely	In the S.W. portion of the village of Karivalavandanallūr on the road from Tinnevely to Srivilliputūr, and about 6½ miles N. of the town of Sankaranainarkoil: taluk Sankaranainarkoil. 1808-9.	9 16 5.5	77 34 57.0	...	2039
Karni Hill Pagoda <i>Karnah P.</i>	Nizam's Dominions	On a small hill about a mile S.W. by S. of the village of Karni, 1¼ miles N. of the Sina river, and 3¼ miles N. of its junction with the Kistna. 1813-14.	16 25 33.0	77 34 1.8	...	205 206
Karumalai h.s. ... <i>Kurroomalli S.</i>	Madura	On the northern and highest peak of a hill in the Karumalai range, about 4 miles W. of the high road from Dindigul to Karūr, and 3¼ miles W. by S. of Kuttam village: taluk Dindigul. The station is denoted by a large mark-stone in a circular platform of stones and earth. 1808-9.	10 35 18.88	77 54 59.89	2559	2000
Karumankád h.s. ...	"	On the northern and larger cairn on the highest point of a long flat ridge, about 7 miles E. by S. of Mánavanūr, 3¼ miles W.S.W. of Kōdaikánal Church, and 9 miles N.W. of Pēriyakulam on the high road from Kambam to Dindigul. 1871.	10 12 12.45	77 28 53.15	8042	594
Karūr Fort ... <i>Wudjar Ourroor</i>	Anantapur	Of the village of Karūr on the road from Guntakal to Uravakōnda, about 5¼ miles S. by E. of Konakōndla fort on the same road, and 2¼ miles S.W. by S. of Kammalapád: taluk Gooty. 1813-14.	15 1 37	77 25 35	...	...
Karūr Pagoda <i>Kurroor</i>	Coimbatore	Centre of the pagoda in the ruined fort on the W. side of the town of Karūr, and about 200 yards N. of the high road to Erode: taluk Karūr. 1808-9.	10 57 33.3	78 7 17.2	...	2063 2064
Kasavápuram Pagoda <i>Kussaupooram</i>	Anantapur	White pagoda about ¼ of a mile E. by N. of the village of Kasavápuram, and 2¼ miles N.E. of Guntakal Railway Junction Station: taluk Gooty. 1813-14.	15 11 40.9	77 26 15.8	...	387
Káskal h.s. <i>Cascul H.</i>	Bangalore	On a prominent point of a range of hills, about 1¼ miles N.W. of Údkunte, 2 miles S.W. by S. of Kambálu, 5 miles E. by N. of the large village of Hulikal, 2¼ miles E. by S. of Shrigiripur, and 5¼ miles N.N.W. of the large village of Solúr close N. of the high road from Yēdiyúr to Bangalore: taluk Mágadi. The station is denoted by a pile of stones on a rock. 1801.	13 8 32.18	77 15 47.52	[3390]	482
Kátádi Hill Mark	Travancore State	On the top of a rocky hill, and about 10 miles N. of Cape Comorin (Kumári). The point is denoted by a pile of stones. 1869.	8 12 37.56	77 34 14.12	2652	738 739
Kategudda s.	Bellary	On a small piece of rising ground W. of the crossing of two main roads, about ¼ a mile E. by S. of Bellary Railway Station, and ¼ of a mile N.E. of the town of Bellary: taluk Bellary. 1876-77.	15 8 32.24	76 58 21.90	...	355

\* For triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Katömöráj, XXIV ... ..	Kurnool	<i>Vide page 10—A. ... ..</i>	15 25 20'43	78 1 1'44	$\frac{\text{feet}}{2048}$ 3	85
Kátpálaiyam s. ... .. <i>Coimbatore Base S. E. End</i>	Coimbatore	On a swell of high ground in the field called Kachmarai, about a mile S. of a bridge on the Kángyam road, 2½ miles W. of Vellakoil, 3¼ miles S.E. by E. of Pachapálaiyam, and ½ of a mile N. by E. of Kátpálaiyam village: táluk Dhárápúram. The station consists of a solid circular platform of masonry, 6 feet in diameter, level with the ground, having a circle and dot in the middle. When visited in 1870, Colonel Lambton's station was found in good preservation, and astronomical observations for latitude were taken at it. 1806.	10 56 35'97	77 43 17'81	$\frac{878}{0}$	1935 1936 1937
Kaulikátán h.s. ... .. <i>Kaulikautan H.S.</i>	Tinnevely	On a small isolated hill about 1½ miles E.S.E. of Kari-sátán village, and 3 miles E.N.E. of Karivalavandanallúr on the road from Tinnevely to Srivilliputúr: táluk Sankaranainárkoil. The station is denoted by a mark-stone in the middle of a platform about 15 yards E. of a pillar on the top of the hill. 1808-9.	9 16 56'93	77 37 29'49	...	2034 2035 2036
Kávalamalai Hill Stone ... .. <i>Kowvellamallí</i>	Salem	On the highest point of the hill just above and S.W. of the village of Kávalamalai, 1½ miles S.S.W. of the large village of Kavalaikkurchi, 2 miles W. by N. of Irukúr, and 1 mile N. of Sirugináthuppálaiyam village: táluk Námakal. 1808-9.	11 8 34'7	77 59 22'7	...	2053 2054
Kávalipálaiyam Pagoda ... .. <i>Kowvellaipolliam</i>	Coimbatore	In the village of Kávalipálaiyam, and about 4½ miles N.E. by E. of Puliampati village on the high road from Coimbatore to Satyamangalam: táluk Satyamangalam. 1808-9.	11 22 51'9	77 15 48'0	...	1985
Kavalkönda Hill Pillar ... .. <i>Kowenny H.</i>	Kolár	Stone pillar on a prominent peak of an isolated hill, about a mile S. of the small village of Shingappagáripalli, the same distance N. by W. of Gundmálpalli, 1½ miles W. by S. of Digavanettukuntpalli, and 7½ miles W. of the large village of Chelúr: táluk Bágépalli. 1812.	13 42 16'38	78 1 1'03	[3468]	1650 1651
Káveripuram Fort ... .. <i>Cauverypoorum</i>	Coimbatore	On the right bank of the Cauvery river, and about ¼ a mile N.W. of Káveripuram on the same bank: táluk Bhaváni. 1813.	11 54 44	77 47 58	...	...
Kavital Hill Dargah ... .. <i>Cavital durga</i>	Nizam's Dominions	Close N. of the large place of Kavital. 1816-17. ...	16 6 39'4	76 50 10'9	...	1088 1084
Kavuranhalli h.s. ... .. <i>Rowerney H.</i>	Kolár	On the E. peak of a hill, about a mile W. by S. of the village of Kavuranhalli, ¼ a mile W. of Waddarpálya, and 2½ miles N. by W. of the town of Chikballapur: táluk Chikballapur. 1801.	13 28 35'52	77 45 33'91	...	1706
Kéddamalai h.s. ... .. <i>Kéddamallí</i>	Salem	On a hill, about 2½ miles E.N.E. of Kilúr village, and 1½ miles S. of Adimalaipati: táluk Salem. 1810.	11 32 30'87	78 18 3'75	4018	1779
Kéndatti Hill Peak ... .. <i>Kendetty</i>	Kolár	On an isolated hill at the W. foot of which is the village of Kéndatti, about a mile N.E. by N. of the 34th milestone on the road from Hóskote to Kolár, and 2½ miles E. by N. of Narsápur town on the same road: táluk Kolár. The point is denoted by a pillar. 1801.	13 8 9	78 5 8	[3878]	447

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kēre Bēlagal, XXI ... <i>Kerra Bellagull H.S.</i>	Kurnool	<i>Vide</i> page 10— <sub>2</sub> ...	15 48 42·94	77 43 26·38	<i>feet</i> $\frac{1415}{3}$	25
Kēshavapuram Hill Platform ... <i>Kaeshwapoor</i>	Cuddapah	On a knoll at the northern extremity of a range of hills running N. and S., about 3½ miles N. of the large village and police station of Nandyālampet close to the high road from Prōddutūr to Badvel, and 2½ miles S.E. by S. of Vānipēnta: tāluk Prōddutūr. 1812.	14 45 59·93	78 50 47·26	...	1581
Khairiatabad Hill Mosque ...	...	<i>Vide</i> Hyderabad Hill Mosque. ...	...	...	...	...
Khairiatabad Mosque ...	...	<i>Vide</i> Hyderabad Mosque No. 3. ...	...	...	...	...
Kharīdigudda Hill Tower ... <i>Kulludugoodda</i>	Nizam's Dominions	On a small isolated hill at the E. foot of which is the deserted village of Kharīdigudda, and about 3 miles N.W. by N. of the town of Mānvi. 1816-17.	16 1 44·3	77 3 56·6	...	1076
Khēdda Hill Cairn ... <i>Khedda</i>	"	About ½ of a mile S.E. by E. of Kumār Khēdda village. 1816-17.	15 51 54	76 30 36	...	...
Kinattukkadavu h.s. ...	Coimbatore	On the roof of a rock temple on the S.E. peak of a hill which is a mass of granite rocks, close above the high road from Coimbatore to Pōllāchi and opposite to the village of Kinattukkadavu, about 13 miles from Coimbatore, and ½ a mile S. of Panthalanthai village: tāluk Pōllāchi. The station is denoted by a square mark-brick fixed to the roof, 44·3, 42·3 and 45·0 feet respectively from the N.E., S.W. and N.W. corners. 1874.	10 49 14·74	77 3 34·97	1205	1929
Kishoragutta h.s. ... <i>Keessergutt S.</i>	Nizam's Dominions	On a high hill, about 1½ miles E.N.E. of Kishora village, and 150 yards S. of a large temple on the hill. The station is denoted by a mark cut on the rock <i>in situ</i> . When visited in 1872, Colonel Lambton's upper mark was not found, the ruined platform was therefore removed to refer to the mark on the rock. 1817-21.	17 31 36·89	78 43 54·62	2083	746
Kistna Railway Station (helio.)	"	About 1½ miles W.S.W. of Indupur village. The point is marked by a circle and dot engraved on the roof of the G. I. P. Railway Station, 27·3 feet above the rail level. 1871.	16 24 34·14	77 22 15·00	1165*	222†
Koangamalai Hill Mark ... <i>Koanganmalli</i>	Malabar	On the S. part of a hill, about ½ a mile N.E. of Chēngara, 1½ miles S. of Irāvati, and 5½ miles N.N.W. of the village of Manjeri. 1808-9.	11 10 34·09	76 7 53·04	...	1858
Koatpalle Mark (helio.)	Nizam's Dominions	On a tower 32 feet above the ground in the centre of the village of Koatpalle. 1872.	17 23 0·94	77 47 6·50	$\frac{1762\ddagger}{32}$	149
Kodagurki h.s. ... <i>Koadly H.</i>	Bangalore	On the highest peak towards the S.W. end of a small mass of hills, about ½ a mile E. by S. of the village of Kodagurki on the road from Bangalore to Nundydroog (Nandidurga), and 1 mile W. of Āvati which is ½ of a mile S. of the 26th mile-stone on the road from Bangalore to Chikballapur: tāluk Devanhalli. The station is denoted by a pile of stones. 1801.	13 17 47·03	77 44 59·75	[3486]	442 443 444

\* To roof.

† The co-ordinates have been deduced from this triangle only, *vide* foot-note on page 43—<sub>2</sub>.

‡ To tower.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kōdaikānal Bungalow ...	Madura	Centre of the bungalow between the two chimneys of Mr. Muttu Krishna's large white house at the N. end of the sanitarium, and about a mile N. by E. of the Roman Catholic Church; the house is to the N. end of the lake and about 30 feet above an outlet of it: firka Kōdaikānal. 1871.	10 14 14.3	77 31 49.5	$\frac{\text{feet}}{6885}$ 17	592
Kōdaikānal Church ...	"	Low tower or cross at the N.E. end (front) of the Roman Catholic Church, a large white building, the highest in the place, at the S. end of the sanitarium on the southern edge of the high plateau of the Palni hills, about 8 miles N. by E. of the town of Pēriyakulam, 1 mile N. of the small village of Kolukave, and 5½ miles S.E. of Pūmbare: firka Kōdaikānal. 1871.	10 13 18.9	77 31 37.5	$\frac{7212^*}{25}$	595 596
Kōdaikānal Cottage ...	"	Tall chimney or spire of Lord Napier's cottage, a long white building on the edge of the precipice, S.E. of the sanitarium, and about ¼ of a mile E. by N. of the Roman Catholic Church: firka Kōdaikānal. 1871.	10 13 27.4	77 31 54.4	...	598
Kodanād h.s. ...	Nilgiri	On the W. end of a high ridge of hills separating the N.E. portion of the Nilgiri plateau from the other portion, about 13 miles N.E. of Ootacamund, and ¼ a mile S.W. of the village of Kodanād. The station is marked by a circle and dot cut on the rock <i>in situ</i> and covered over by a pile of stones. 1870.	11 30 10.97	76 55 59.88	6738	513 514
Kodangal, VIII Kota Koddangul S. ....	Gulbarga	<i>Vide page 7—A.</i> ... ..	17 7 57.35	77 40 52.91	$\frac{1906}{3}$	13
Kodargargutti Hill ... Bussawunbetta	Anantapur	One of a group of small detached hills lying immediately S.E. of the main road from Madōddi to Pāvagada, about a mile N.E. by E. of Kodargargutti, and 1½ miles S.W. of Hottabētta on the above-named road: tāluk Madakasira. 1801.	13 51 53	77 10 50	[3395]	...
Kōdavēndlapalli Fort Kodawundapilly ...	Cuddapah	N.E. angle of the fort about ¼ a mile from the right bank of the Madduler river, and 3¼ miles E. of Uppalapād village: tāluk Kadiri. 1812.	14 28 12.3	78 0 17.1	...	1568 1569
Kodayattūr h.s. ... Kodayathoor H.S.	Travancore State	On a very high one of a series of parallel ranges of hills running down in a N.W. direction from the plateau on the eastern boundary of Travancore, about 1½ miles from Kodayattūr, 4 miles W. of Arakulam, and 7 miles S.E. of the large village of Kārkod. The station is denoted by a platform with a circle engraved on the rock <i>in situ</i> . 1810.	9 48 25.07	76 49 13.71	3166	1828
Kodūr Fort ... Kodoor	Cuddapah	Middle bastion on the E. face of the fort about a mile N. of the Pēnner river, and 3¼ miles N.E. of Tālla Prōddutūr on the high road from Bellary to Madras: tāluk Jammalamadugu. 1812.	14 52 24.1	78 8 43.6	...	1557 1558
Kodūrkunnu Hill Mark Kodooreoonoo ...	Malabar	On a high hill, about 2 miles S.E. of the village of Kūrava, and 4 miles E. of Puthar. 1808-9.	11 0 12.42	76 6 55.75	...	1856

\* To cross of church.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kogarabanda h.s. ... <i>Kogarabunda</i>	Anantapur	On a hill pagoda about $\frac{1}{4}$ a mile E. of the high road to Bellary, 2 miles W. of Mangalkunta on the Pénner river, and 12 miles E.S.E. of Kalyándrug: táluk Dharmavaram. 1812.	0 1 " 14 30 5.86	0 1 " 77 19 16.33	feet ...	1305 1306
Koilkönda h.s. ... <i>Koelcondah S.</i>	Kurnool	On a small hill just W. of the village of Koilkönda, about 2 miles N.N.E. of Chennampalli, and $4\frac{1}{4}$ miles E. of Tuggali village at the junction of the high roads from Gooty and Maddikéra to Pattikönda: táluk Pattikönda. The station is marked by a circle and dot cut on a boulder. 1811. It was refixed in 1871.	15 19 13.57	77 39 3.36	1943	263 264
Koilkuntla Fort ... <i>Koilkootlah</i>	"	Highest cavalier of fort: táluk Koilkuntla. 1811. ...	15 13 49.4	78 21 30.2	...	1544
Koilpati, LXXXIII ...	Tinnevelly	<i>Vide page 22—A.</i> ...	9 9 40.27	77 54 0.81	$\frac{546.14^*}{1.1}$	110 111
Kokkantidrug Pagoda ... <i>Kokuntee Dr.</i>	Cuddapah	Immediately S. of Kokkanti on the main road from Balasamudram to Péddaballi, and 1 mile S.E. by S. of Göllapalli village: táluk Kadiri. The point is denoted by a mark on the pagoda. 1812.	13 55 59.84	78 19 20.83	...	1652 1653
Köláchal Church ... <i>Kolatchy Rk.</i>	Travancore State	Christian church on a rock. 1808. ...	8 10 32.9	77 16 56.6	...	1907
Köláchal Landmark ... <i>Kolatchy</i>	"	Building on an island, about a mile from the coast, 5 miles W.N.W. of Köláchal, and 2 miles W. of Maddalam. 1808.	8 12 43.5	77 13 23.6	...	1906
Koiandumalai Hill Peak ...	"	Highest peak on the E. spur of the Western Gháts, about 13 miles S.W. of Tinnevelly, and 6 miles N. by W. of Kalakád town. 1874.	8 35 18	77 34 14	3625	650 651
Kölangod Hill Peak ... <i>Kolangode</i>	Malabar	Highest and middle point on the range, about 6 miles S.S.E. of the town, $2\frac{1}{4}$ miles S. of the small village of Pernakádcheri, and $5\frac{1}{4}$ miles W. of Oldpádi village on the plateau whence a road descends to Kölangod. 1808-9.	10 32 0	76 46 14	...	1995
Kolár, XLVIII ...	Kolár	<i>Vide page 15—A.</i> ...	13 8 47.28	78 8 16.76	$\frac{4021}{3}$	65 78
Kolár Building ...	"	About a mile S.W. of the travellers' bungalow: táluk Kolár. The point is marked by a circle and dot engraved on the roof of the old kachahri in the town. 1865-66.	13 8 2.23	78 10 17.49	2781	465
Kolár Pagoda ... <i>Colar</i>	"	Great pagoda in the fort of the town: táluk Kolár. 1801-2.	13 8 10.1	78 10 50.0	...	†
Kolár Peak ... <i>Colar</i>	"	Of one of a group of hills lying between the high roads from Kolár to Húskote and Málúr and having the small village of Chik Haiyúr at its southern foot, about $2\frac{1}{4}$ miles S.E. by E. of Narsápur town on the former road, and 3 miles N. of Vakkaleri on the latter: táluk Kolár. 1801.	13 7 58	78 4 40	...	464

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3.5 feet. Volume of the Madras Longitudinal Series.

† For triangle fixing this point, see the Synoptical

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kolari Hill Mark ... ..	Nilgiri	On about the highest point of the Kúnda mountains separated from the plateau of the Nilgiri hills by the river Kúnda, about 3 miles W.S.W. of Avalanche bungalow, and 1 mile W. of Kudiakád Hill Mark. The point is denoted by a pile of stones over an old survey mark. 1880.	11 17 22.22	76 35 53.85	feet 8613	1961
Kólattúr Hill Mark ... .. <i>Kolator H.S.</i>	Travancore State	On an open red height, about 1½ miles W.S.W. of the village of Kólattúr, and ½ of a mile E. of the coast. The point is denoted by a mark-stone. 1808-9.	8 18 59.24	77 7 17.78	...	1903 1904
Kölem h.s. ... .. <i>Kolem S.</i>	Nizam's Dominions	On a low hill, about 3½ miles S. of the village of Kölem on the road to Amrabad, and 1 mile W. by N. of Útivelupalle village. The station is denoted by a mark-stone in the centre of a platform 18 feet high. 1812.	16 14 59.58	78 49 11.57	2784 13	*
Koliga h.s. ... .. <i>Koagly H.</i>	Bangalore	On a hill, about ¼ a mile S. of Chik Koliga village close E. of the road from Hóskote to Jangamkote, and 5½ miles N.E. by N. of the former: táluk Hóskote. The station was denoted by a tent-peg and bushes. 1801.	13 8 59.86	77 52 20.76	...	416 417
Köllimalai Hill Peak ... ..	Salem	S.W. peak, the highest point on the Köllimalai plateau, about ¼ a mile W. of Virakanurupati village, 4 miles E. of the large village of Pálayapálayam, and 5 miles N.N.E. of Pönneri village: táluk Námakal. 1870-71.	11 13 20	78 20 41	4240	530 531
Köllupálayam, LXXXV ... ..	Coimbatore	<i>Vide page 21—A.</i> ... ..	10 41 41.33	77 21 37.93	1210 3	100
Kólúr Hill Pagoda ... .. <i>Koloor P.</i>	Bellary	In the village of Kólúr W. of the high road to Bellary, and about 4¼ miles W. of Korlagöndi: táluk Bellary. 1813-14.	15 17 0.5	76 56 59.9	...	1217
Komákaradu, LXVIII ... ..	Coimbatore	<i>Vide page 19—A.</i> ... ..	11 25 42.17	77 32 22.62	755 2	88 90
Konaköndla h.s. ... .. <i>Konacoondloo H.</i>	Anantapur	On a hill, close to the village of Konaköndla on the high road from Guntakal to Anantapur, and about 4¼ miles S. of Guntakal Railway Junction Station: táluk Gooty. The station is marked by a circle and dot. 1811. It was refixed in 1871.	15 6 35.07	77 24 38.72	1959	288 289
Köndakömerla Fort ... .. <i>Kundakamurlah</i>	Cuddapah	Flag over the gateway on the N. face of the fort about 2½ miles S.W. by W. of Kurumála village, and ¼ a mile W. of Gangiréddipalli: táluk Kadiri. 1812.	14 4 2.2	77 59 50.8	...	1627
Köndanágula Hill Pagoda ... .. <i>Konahgole</i>	Nizam's Dominions	Black gopuram of the pagoda about ¼ a mile S. by E. of the large village of Köndanágula. 1818-21.	16 19 30.2	78 38 16.1	...	875 876
Köndapalli, XXXI ... .. <i>Condapilly H.S.</i>	Anantapur	<i>Vide page 12—A.</i> ... ..	14 31 48.95	77 26 42.81	2255 3	39 44

\* For triangles fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kōndapur h.s. ... <i>Kōndapooram H.P.</i>	Túmkúr	On a small hill about a mile N.N.E. of the village of Kōndapur, 1½ miles E.S.E. of Madanhalli, 1½ miles W. by S. of Kodampur, and 2 miles N.W. of Shirvára close to the road from Gubbi to Kunigal: taluk Gubbi. The station is about 15 or 20 feet N. of a small pagoda. 1801.	13 14 23' 28"	77 1 7' 84"	feet [2745]	1721
Kondarpidurga h.s. ... <i>Koondorpee Dr. S.</i>	Anantapur	On the highest part of a hill fort about 4½ miles W. by N. of the large village of Bēstarhalli: taluk Dharmavaram. The station is denoted by a mark-stone in a platform. 1813. It was refixed in 1870.	14 18 0' 09"	77 4 31' 01"	2992	1297
Kondringi Hill Peak ...	Madura	Highest point of one of a small range of hills, about 7½ miles W. of Yeddikota, 3 miles S. of the high road from Dindigul, and 1 mile N.E. of Kírnúr: taluk Palni. 1870-71.	10 37 47	77 46 37	2702	552 553
Kondurai s. ... <i>N. End of the Base</i>	Travancore State	About ¼ a mile N.N.W. of the village of Kondurai, ½ of a mile N.E. of the junction of two high roads to Quilon (Kóllam) from which it is 8½ miles to N.E. by E., 3½ miles N.E. of Pérunád, and 1½ miles W. of Yéllakōnam. 1809.	8 58 17' 72"	76 43 50' 09"	...	1889
Koniapalle Hill Mark <i>Konayepullee</i>	Nizam's Dominions	On a hill, about 1½ miles N. of the village of Koniapalle, 1½ miles S. by W. of Chippalpalle, and 1½ miles W. by N. of Lingampalle. 1818-19.	17 1 39' 57"	78 25 33' 67"	...	850 851
Kōnkōntlu h.s. ... <i>Siddarmalli S.</i>	Kolár	On the highest peak of a rocky isolated hill, about a mile S.S.E. of Kotpalli, 1½ miles N.N.E. of Batlahalli, 2½ miles W.N.W. of Mungánhalli, and 1½ miles W. of Chandragolpalli: taluk Chintámani. The station is denoted by a platform E. of a number of large stones. 1812.	13 36 1' 67"	78 11 12' 61"	[3133]	1615 1616
Kopal h.s. ... <i>Copul</i>	Nizam's Dominions	On a hill, about a mile W. of the town. 1816-17. ...	15 20 35' 17"	76 10 42' 25"	...	1253 1254 1255 *
Kopal Pagoda <i>Eeswuru Pag.</i>	"	Known as Ishvara temple. Close N. of the town and Railway Station. 1816-17.	15 21 6' 3"	76 11 42' 8"	...	1256
Kopaldurg Fort <i>Kopala Dr.</i>	"	Round bastion on the top of the durg; it is somewhat the highest and most eastern of several similar works. On a hill, about a mile S. of the town. 1811-14.	15 20 18' 5"	76 11 24' 3"	...	†
Kōppabētta, LVIII ... <i>Copahetta</i>	Bangalore	<i>Vide page 17—A.</i> ...	12 21 45' 44"	77 32 12' 17"	2820 3	68
Kōppakōnda Hill Mark <i>Kopacondah</i>	Nizam's Dominions	On a hill, about 1½ miles E.S.E. of Kappád, 1½ miles S.W. of Mēttachēru, and 4½ miles S. by W. of Ibrá-himpatan. 1820.	17 7 51' 50"	78 40 40' 29"	...	962 963
Kōppakōndaráyan Hill Pillar <i>Kopecondroyn H.</i>	Kolár	About 1½ miles S.E. by S. of Pēnnamale, 1½ miles S.S.E. of Balrēddipalli, 6½ miles E. by S. of the town of Bágēpalli, and 3½ miles E.N.E. of the large village of Yellampalli close E. of the road from Bágēpalli to Chintámani: taluk Bágēpalli. 1812.	13 45 41' 26"	77 55 45' 31"	...	1682

\* For another triangle fixing this station, see the Synoptical Volume of the Mangalore Meridional Series.

† For triangle fixing this point, see the Synoptical Volume of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Köppakundamalai Hill Pagoda ... <i>Kopakoondamalli P.</i>	Salem	On the S. point of a large hill, about $\frac{1}{2}$ a mile N.E. of Sinnamasamudram village, and 2 miles N. of Yërrasamudram on the main road from Salem to Attúr: táluk Attúr. 1810.	11 40 26.2	78 33 15.4	feet ...	1807 1808
Koribëtta h.s. ...	Nílgi	On the easternmost peak of the Nílgi plateau, about 2 miles N.E. of Coonoor (Kunnúr), and $2\frac{1}{2}$ miles E. of Wellington. The station is marked by a circle and dot cut on the rock <i>in situ</i> , and covered over by a pile of stones. 1870.	11 21 10.21	76 52 5.19	6696	521 522
Koriköndagutti Hill Tree ... <i>Coricondagutt H.</i>	Nizam's Dominions	On a conical hill, about a mile S. of Chintarval, $2\frac{1}{2}$ miles N. of Manapuram, and 3 miles S. of the Kistna river. 1816-17.	16 17 8	77 44 13	...	...
Korlagöndi Pagoda ... <i>Korlagondy P.</i>	Bellary	In the village of Korlagöndi, about $\frac{1}{2}$ a mile W. of a tributary of the Hagari river, and $4\frac{1}{2}$ miles E. of Kolúr which is a little W. of the high road to Bellary: táluk Bellary. 1813-14.	15 16 37.3	77 0 42.7	...	1109
Kosgi Hill Mark ... <i>Koassgy H.</i>	"	On the northernmost of a group of small hills between the town and the railway station of Kosgi, about $\frac{1}{2}$ of a mile S.W. of the former, and $\frac{1}{2}$ a mile N.E. of the latter: táluk Ádoni. The point is denoted by a mark-stone in a platform. 1813-14.	15 51 4.47	77 17 3.25	...	1056 1057
Kotakád Church ... <i>Kotacaud C. Church</i>	Cochin State	About 3 miles N.W. of the town of Trichúr, $3\frac{1}{2}$ miles E. of Chittallapole, $1\frac{1}{2}$ miles in the same direction from the high road from the former place, and 1 mile W. of the small village of Kutur. 1810.	10 33 58.8	76 14 4.1	...	1876 1877
Kotakal No. 1 Hill Pillar ... <i>Kotacull H.</i>	Bellary	About $\frac{1}{2}$ a mile W.S.W. of the village of Kotakal, 2 miles S.S.E. of Mátákápuram, the same distance E.N.E. of Basapuram, and $1\frac{1}{2}$ miles W.N.W. of Devibëtta: táluk Ádoni. 1813-14.	15 40 57.69	77 25 44.05	...	1088 1089
Kotakal No. 2 Hill Pillar ... <i>Kotacul H.</i>	Chitaldroog	Great stone pillar on the highest peak of a range of hills running nearly N. and S., about 2 miles E.S.E. of Sánténhalli, $1\frac{1}{2}$ miles S.W. of Dugavara village, and $2\frac{1}{2}$ miles E. of the high road from Hölalkére to Hösdirga: táluk Hölalkére. 1813.	13 57 41.99	76 16 55.07	[3745]	1388 1389
Kotakunnu s. ... <i>Kotacoono</i>	Malabar	On high ground, close to the village of Kotakunnu on the bank of a stream, about 8 miles N.N.W. of the town of Tirukulam, $1\frac{1}{2}$ miles E. of the railway line to Calicut, and 2 miles from the coast. The station is marked by a circle. 1808-9.	11 8 11.56	75 53 33.34	...	1860
Kotamaripalle Hill Mark (helio.)	Nizam's Dominions	On the highest portion of a hill at the foot of which to the W. is situated the village of Kotamaripalle. The point is marked by a circle and dot engraved on the paka masonry, $3\frac{1}{2}$ feet in diameter, level with the hill top. 1872.	17 30 26.40	77 50 33.36	2204	148
Kotamaripalle h.s. ... <i>Kotamaripilly S.</i>	"	Close to Kotamaripalle Hill Mark (helio.). The station is denoted by a mark on the friable rock about 100 yards S.S.E. of a remarkable banian tree on the hill. 1814-15.	17 30 25.57	77 50 31.29	2195	160 161

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kotammakōnda Hill Mark <i>Kotamahcondah</i>	Cuddapah	On a hill, about 2½ miles E. by S. of Sompalli village, and 4½ miles E. by N. of Chikatimanipalli on the main road from Madanapalle to Tanakallu: táluk Madanapalle. The point is denoted by a mark in a platform. 1812.	0 1 " 13 50 2'58	0 1 " 78 20 50'93	feet ...	1674 1675
Kōtár Church <i>Kotaur C. Oh.</i>	Travancore State	Roman Catholic Church of the very old port-town of Kōtár which is contiguous to that of Nágarkoil, on the road from Trivandrum to Cape Comorin, and about 10 miles N.W. of the latter. 1808.	8 10 23'9	77 28 50'0	...	1912
Kotekal h.s. <i>Kotaykul H.S.</i>	Nizam's Dominions	On a ruined tower on one of the highest swells of a group of hills, and about 1½ miles N.E. of the ruined town of Kotekal which is on the road from the town of Kavital to that of Mudgal and 8 miles W. of the former. The station is denoted by a platform. 1816-17.	16 7 14'49	76 44 18'92	...	1146
Koth Hill Temple	Madura	Centre of the dome of the temple on a small isolated hill about 10½ miles N.E. of the town of Palni, and 3 miles S.E. of the village of Vágare: táluk Dindigul. 1871.	10 33 57'5	77 39 23'9	1085	556
Kōtigudda Hill Pagoda <i>Kotedgooda</i>	Chitaldroog	On a hill, about 5½ miles W. of the town of Jagalúr, 3½ miles W.N.W. of Máchikére close E. of the high road from Kúdligi to Chitaldroog, 1½ miles N.E. by E. of Suraddihalli, and ¼ a mile S. of the small village of Mushtigarhalli: táluk Jagalúr. 1813.	14 31 30'0	76 17 34'2	...	1360 1361
Kōttachēru Fort <i>Kocherroo</i>	Anantapur	Highest bastion of the fort in the village of Kōttachēru which lies about midway between the river Chitrávati and the high road to Dharmavaram, about ¼ of a mile N.W. of a large tank: táluk Pēnukōnda. 1812.	14 11 7'1	77 48 37'1	...	1635 1636
Kōttakota Fort <i>Kotookotah</i>	Cuddapah	S.E. angle of the fort at the junction of the main roads from Rangasamudram and Gummassamudram, about 4 miles S. of the former, and 2 miles W. of the latter: táluk Madanapalle. 1812.	13 39 23'6	78 18 23'5	...	1671 1672
Kōttamangalam Temple	Coimbatore	Centre of devasthanam on the N.W. side of the village of Kōttamangalam, about ¼ of a mile W. of the high road from Udamalpet to Palladam, and 5½ miles N.N.E. of the former: táluk Udamalpet. 1870.	10 39 37'7	77 18 59'5	1172	576
Kōttapalle, XV <i>Kotapilly H.S.</i>	Nizam's Dominions	<i>Vide page 9—A.</i> ... ..	16 28 19'48	77 25 26'53	1574'96* 3'0	22
Kōttúr Pagoda <i>Kotoor P.</i>	Bellary	Within a fort N.E. of the village of Kōttúr on the high road to Kúdligi: táluk Kúdligi. 1813-14.	14 49 36'1	76 16 8'3	...	1291 1292
Koyalkōnda Fort <i>Koilkondah</i>	Nizam's Dominions	Bastion of the hill fort of the town. 1813.	16 44 41'1	77 50 3'7	...	...
Kranganúr Building <i>Oranganoor</i>	Cochin State	In the entirely deserted fort of the celebrated town on the so-called island of Chetwái, at one of the three openings of the great Cochin backwater, and at the mouth of the Pēriyár river. 1810.	10 11 42'3	76 15 12'6	...	...

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3'5 feet.

## CO-ORDINATES AND DESCRIPTIONS OF ALL STATIONS AND POINTS.

247—4.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kuchmalai Hill Peak ...	...	<i>Vide</i> Anaimalai Hills, Peak No. 7. ...	0 1 "	0 1 "	feet	...
Kudankal Hill Mark ... <i>Koodunkul Rk.</i>	Travancore State	On a rock a few miles N. of Kōlāchal. The point is denoted by a mark-stone. 1808-9.	8 11 19.44	77 16 38.80	...	1905
Kudankulam, XCV ...	Tinnevely	<i>Vide</i> page 25—4. ...	8 10 21.55	77 43 53.44	$\frac{177}{11}$	123 125
Kudankulam s. <i>Koodunkolum S.</i>	"	On rising ground, about a mile W. of the principal station of Kudankulam: tāluk Nānguneri. The station consists of a high circular platform with a mark-stone in the centre. 1808-9.	8 10 25.65	77 43 10.76	157	705 706
Kudatani Fort <i>Koodatunnee</i>	Bellary	White object on the fort of the town on the road from Bellary, about 1½ miles S. of Kudatani Station of the Southern Mahratta Railway: tāluk Bellary. 1813-14.	15 11 36	76 47 59	...	...
Kudellisangam Pagoda <i>Koodal Sungum P.</i>	Nizam's Dominions	At the junction of the Kistna and Tungabhadra rivers, about 2½ miles N.N.E. of Kudelli fort, and 5½ miles N. by W. of the town of Nandikotkūr. 1813-14.	15 57 49.1	78 17 28.6	...	920
Kudiakād Hill Mark ...	Nilgiri	On one of the highest peaks of the Kūnda mountains, being connected with the sanitarium of Ootacamund by a made road, about 2 miles W.S.W. of Avalanche bungalow, and 1 mile E. of Kolari Hill Mark. The point is denoted by a pile of stones over an old survey mark. 1880.	11 17 23.17	76 36 49.97	8483	1960
Kudikōnda Hill Stone <i>Kodicondah</i>	Anantapur	Large sharp stone on an isolated hill, close E.S.E. of the village of Kudikōnda, about ¼ a mile E. of the Chitrāvati river, 3¼ miles N.N.W. of the town of Bāgēpalli, and 1½ miles W. by S. of Jinnaḡirlu: tāluk Hindupur. 1812.	13 49 47.0	77 49 14.0	[2673]	1711
Kūdirmalai Hill Mark	Madura	On the highest point of a high range of hills, about 6 miles S.S.E. of the town of Āndipati, and 5 miles N. of Yēlmadda in the Shandamalai pass. The point is marked by a circle and dot covered over by a pile of stones. 1871-73.	9 55 52.83	77 43 16.51	4267	603 604
Kūdirmalai Hill Pagoda <i>Koodramalli</i>	"	Close to Kūdirmalai Hill Mark. 1808-9. ...	9 55 52.2	77 43 16.9	...	2028 2029
Kūdligi Fort <i>Koodlighee</i>	Bellary	S.W. angle of the fort of the town: tāluk Kūdligi. 1813.	14 54 16.3	76 25 25.9	...	1277 1278
Kugankal h.s. <i>Koogunkul</i>	Kadūr	On a detached hill of Kugankal in the village lands of Dasarhalli, about 4½ miles E. by N. of Berūr on the high road from Tarikēre to Bānāvar, and the same distance N.N.E. of Kadūr town: tāluk Kadūr. The station consists of a platform enclosing a pillar which contains two marks, one in the upper surface of the pillar and the other about a foot below. When the station was re-visited in 1872-73, the lower mark and the platform of Colonel Lambton's station were found intact. 1805.	13 36 51.28	76 4 35.92	[2687]	*

\* For two triangles fixing this station, see the Synoptical Volume of the Mangalore Meridional Series, and of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kúkal Hill Mark ... ..	Madura	At the N.W. corner of the Palni plateau, about 1½ miles W. of the village of Kúkal, 5 miles N. of Manavánur, and 10 miles N.W. of the sanitarium of Kódaikánal. 1870-71.	0 17 21.80	0 1 19.21	feet 7233	582 583
Kulamgundam Hill Peak ... ..	Travancore State	A conspicuous peak of the Western Gháts, on the range forming the boundary between Travancore and Tinnevely. A road from Rájápálayam crosses the hills at a distance of about 4 miles from the station. The nearest village is Arkádi Tavalum 4 miles S.S.W. 1873-74.	9 31 12	77 26 40	6624	636 637
Kulayanallúr, LXXXV Kolanelloor S. ... ..	Tinnevely	Vide page 23—A. ... ..	8 55 31.05	78 1 23.92	$\frac{354}{1}$	113 114
Kulhalli Pagoda ... .. Koolhully P.	Bellary	Gate-way of the pagoda in the lands of the village of Kulhalli on the road from the town of Harpanahalli to that of Huvinahadgalli, about 4½ miles N. of the former place, and 1 mile N.W. of Bágali village on the same road: táluk Harpanahalli. 1813-14.	14 51 10.9	76 0 48.8	...	*
Kumarakalva s. ... .. Komarcakwa	Cuddapah	On the N.W. angle of a fort about ¼ of a mile W. of the left bank of the Pápaghni river, and ¼ of a mile N. of Yérra Bómmanapalli: táluk Pulivéndla. 1812.	14 16 40.76	78 30 27.30	...	1499 1500
Kumárapálayam Hill Pagoda ... .. Komarapolliam	Coimbatore	About ¼ a mile S.E. of Satyamangalam town on the high road from Kóllegal to Bhaváni: táluk Satyamangalam. 1808.	11 29 43.1	77 17 56.4	...	1984
Kumára Ramankumath Fort ... .. Komar Ramankoometta	Nizam's Dominions	S.E. angle of the hill fort of Kumára Ramankumath about 5½ miles N. of the Tungabhadra river. 1813.	15 24 33.7	76 25 10.0	...	1275 1276
Kumkoal Bungalow ... ..	"	Ridge of the E. end of the roof of the dák bungalow on the road from Hyderabad to Sholápur, and about 2 miles W. by S. of the principal station of Góraigat. 1872.	17 38 52.0	77 51 1.4	2078†	156
Kunam Podári h.s. ... ..	Cochin State	On about the highest part of the flat summit of a low, isolated and rocky hill close to the main road from Chittúr to Pölláchi, and about 6 miles E. of the former: táluk Chittúr. The station is marked by a circle and dot engraved on the flat rock in situ, surrounded by four crosses cut on the rock at a distance of about 12 feet N., E., S. and W. 1874.	10 41 59.14	76 52 13.35	751	1980
Kunchbada Hill Platform ... .. Koonchbunda	Cuddapah	On a small isolated hill about 1½ miles W.S.W. of the police station and village of Galved close S. of the high road from Kadiri to Ráyachoti: táluk Ráyachoti. 1812.	14 0 21.32	78 31 21.46	...	1610
Kundalagurki h.s. ... .. Koonclagoorky H.	Kolár	On an isolated hill close W. of the village of Kundalagurki, about ¼ of a mile N.N.W. of Dónehalli, the same distance E. by S. of Shiddapur, and 7 miles N.E. of the town of Sidlagatta: táluk Sidlagatta. 1812.	13 27 4.94	77 59 9.13	[3359]	1714 1715

\* For triangle fixing this point, see the Synoptical Volume of the Mangalore Meridional Series.

† To roof of dák bungalow.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kundana h.s. ... <i>Koondana H.</i>	Bangalore	Near the tower of a pagoda on a small isolated hill at the S. base of which lies the village of Kundana, about 1½ miles S.S.W. of the 37th mile-stone on the road from Kolár to Dóballapur: táluk Devanhalli. The station is denoted by a long stone placed upon its end and supported by a small pile built round it. 1801-6.	13 15 28·27	77 40 19·44	feet [3298]	411
Kunigal Fort ... <i>Goonicul</i>	Támkúr	S.W. angle of the fort: táluk Kunigal. 1801. ...	13 1 28·6	77 4 9·2	...	433
Kunnakönda h.s. ... <i>Kunnaconda S.</i>	Cuddapah	On the S.W. extremity of a high hill, about a mile E. of the main road from Kadiri to Madanapalle, 1½ miles N. of Péddapálém village, and 3 miles W. of Devulachéru: táluk Madanapalle. The station is denoted by a mark cut on the rock <i>in situ</i> and surrounded by a platform. 1812.	13 46 56·08	78 20 28·29	...	1426
Kunnamúkala Fort ... <i>Kunnamukula</i>	Anantapur	High and middle cavalier of the fort about 7½ miles S. of Dharmavaram on the Chitrávati river: táluk Dharmavaram. 1812.	14 18 16·1	77 47 40·0	...	1416
Kunnatápára h.s. ... <i>Koonatapaura S.</i>	Travancore State	On a hill, about 7½ miles N.E. by N. of the sea-port town of Anjengo, and 2 miles W. of the road from Trivandrum to Quilon. The station is denoted by a circle engraved on the rock <i>in situ</i> . 1808-10.	8 44 53·53	76 52 11·93	438	1834
Kunnattúr h.s. ... <i>Coonatoor H.S.</i>	Tinnevelly	On the summit of a small hill about ¼ of a mile S.W. of the village of Kunnattúr, and 2 miles S.S.W. of Tinnevelly: táluk Tinnevelly. The station is denoted by a mark-stone in the centre of a small platform. 1808-9. It was refixed in 1874.	8 41 43·27	77 42 53·06	461	666
Kupanagar Turret ... <i>Koopah Nuggarum</i>	Nizam's Dominions	High turret on a hill, about 2½ miles S.W. by W. of Sangam on the road to Sadáshivpet, and 2 miles S.E. of the principal station of Shilápalle. 1814-15.	17 44 45·3	77 43 49·0	...	147
Kuradampárai Hill Pagoda ... <i>Kooradumpaurae</i>	Trichinopoly	Tower of the pagoda on a small isolated hill about ¼ of a mile N. of Pérumálkoilpati, and 1½ miles S.W. of Mettupati village: táluk Kulitalai. 1808.	10 41 6·7	78 12 13·2	...	2058
Kuravinkal Hill Pagoda ... <i>Kuravincul H.P.</i>	Bellary	On an isolated hill, about ¼ a mile S. of the high road from Harpanahalli, 1 mile in the same direction from Kalapuram, and 3 miles N.E. of the village of Tulahalli: táluk Kúdligi. 1813.	14 43 31·0	76 18 4·3	[2363]	1368 1369
Kurgod Drug ... <i>Koorgode Dr.</i>	"	Close N.E. of the large village of Kurgod: táluk Bellary. 1813.	15 20 56	76 52 48	...	...
Kurgod h.s. ... <i>Koorgode H.S.</i>	"	On the summit of a hill, about ¼ of a mile W.S.W. of the large village of Kurgod: táluk Bellary. The station is marked by a circle engraved on the rock <i>in situ</i> . 1813-14.	15 20 43·91	76 51 56·41	1974	1034



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kuridi Hill Peak ... <i>Kooreedy peak</i>	Coimbatore	A prominent peak on the E. side of a mass of hills bordering the Coimbatore plain, about 5 miles S.W. of Pērnáyakanpálaiyam village between the high road and the railway line from Coimbatore to Mettupálaiyam: táluk Coimbatore. 1808.	11 6 52	76 55 55	feet ...	1987 1988
Kúrganúr Pagoda ... <i>Koriganoor P.</i>	Bellary	On the left bank of the Hagari river near the village of Kúrganúr, and about 6 miles E. of the high road from Bellary: táluk Bellary. 1813-14.	15 29 10·2	77 1 3·4	...	1105
Kurli Fort ... <i>Koorlee</i>	Cuddapah	Turret at the N.E. angle of the fort about $\frac{1}{2}$ of a mile W. of the main road from Kadiri to Pulivēnda, and 1 mile S.W. by S. of Vodulapalli village: táluk Kadiri. 1812.	14 16 33·7	78 14 23·1	...	1485
Kurnád Bungalow ... <i>Kootnaud Bungalow</i>	Malabar	At the village of Kurnád on the crossing of the high roads from Pattámbi and Pónáni to Chávakád and Trichúr respectively: táluk Pónáni. 1810.	10 44 51·1	76 8 53·0	...	...
Kurnád No. 1 h.s. ...	"	On a low flat-topped hill close S. of the high road from Pattámbi Railway Station to Pónáni, about 5 miles W. of the former, 3 miles N. of the large village of Kurnád, and $\frac{1}{2}$ of a mile S.W. of Alúr village: táluk Pónáni. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . 1872. It was re-visited in 1880.	10 47 30·24	76 8 35·67	348	1817
Kurnád No. 2 h.s. ... <i>Koornaud</i>	"	On a low flat-topped hill, about 120 feet S. of Kurnád No. 1 h.s.: táluk Pónáni. The station is denoted by a platform having a mark-stone in its centre. 1810. NOTE.—In 1880 the station was found denoted by a conical mound about 6 or 8 feet in height.	10 47 29·06	76 8 35·75	352	1821
Kurnool Bridge ...	Kurnool	Centre of the S. parapet of the bridge over a nala on the high road from Gooty to Kurnool, about $3\frac{1}{4}$ miles S.S.E. of the travellers' bungalow: táluk Rámallakot. 1872.	15 48 48·2	78 4 58·4	954	1027
Kurnool Building (helio.) ...	"	Táluk Rámallakot. The point is marked by a circle and dot engraved on the roof of the Irrigation Co's Office. 1872.	15 49 51·47	78 4 33·17	967	1028 1029
Kurnool Court (helio.) ...	"	Táluk Rámallakot. The point is marked by a circle and dot engraved on the roof of the Judge's Court. 1872.	15 49 29·30	78 4 32·63	934	1030
Kurnool Dargah ...	"	Centre of the largest of a group of domes over the dargahs of the olden kings: táluk Rámallakot. 1872.	15 49 34·4	78 5 19·5	996	1025 1026
Kurnool Flag-staff ...	"	Stump of the old flag-staff on the conspicuous tower in centre of the fort: táluk Rámallakot. 1872.	15 49 57·8	78 5 26·3	1005	1023 1024
Kurnool Fort ... <i>Kurnool</i>	"	Lál Battery: táluk Rámallakot. 1812-13. ...	15 49 50·2	78 5 30·7	...	909 910
Kurnool House No. 1 (helio.) ...	"	Táluk Rámallakot. The point is marked by a circle and dot engraved on the roof of the Judge's house. 1872.	15 50 8·37	78 4 45·66	969	1020 1021

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kurnool House No. 2 (helio.) ...	Kurnool	About 300 yards E. of the travellers' bungalow: táluk Rámallakot. The point is marked by a circle and dot engraved on the roof of the Collector's house. 1872.	15 49 33'02	78 4 41'47	feet 957	1022
Kurtakõnda h.s. ... <i>Korticonda</i>	Nizam's Dominions	On a hill, about $\frac{1}{2}$ a mile S.S.W. of the village of Kurtakõnda, 1 mile S. of the Kistna river, and $7\frac{1}{2}$ miles E. by N. of Chicksugúr Station of the G. I. P. Railway. 1813-14.	16 21 50'54	77 29 51'92	...	204
Kurukõnda h.s. ... <i>Koorukoondi H.B.</i>	"	On a conspicuous tower on a small hill on the side of which is the village fort of Kurukõnda, and about $7\frac{1}{2}$ miles W. by N. of the town of Sindhnúr. 1816-17.	15 47 59'03	76 41 30'51	...	1174 1175
Kurumalai No. 1 h.s.*	Tinnevelly	On the S.E. and highest point of a group of hills about $1\frac{1}{2}$ miles E. of the railway line from Tinnevelly, 1 mile E.N.E. of Kurumalai village, $2\frac{1}{2}$ miles W. of Kõppampati, and $1\frac{1}{2}$ miles S.S.W. of Múdukalanukulam: táluk Ótapidáram. The station is denoted by an isolated masonry pillar surmounted by a stone on which a circle and dot have been engraved. The pillar is surrounded by a platform of stones and earth about 16 feet square. 1874.	9 4 10'56	77 54 59'29	830	640 641
Kurumalai No. 2 h.s. <i>Courmalli</i>	Salem	On a hill, about $1\frac{1}{2}$ miles N.E. of Émanúr a little N. of the Cauvery river, and $4\frac{1}{2}$ miles N.W. of Káveripuram: táluk Dharmapuri. 1818.	11 57 34'56	77 45 17'85	...	1753
Kusamalai h.s. ...	"	Also called Konamalai, both names having reference to the conical shape of the hill which is locally known as Përumálkaradu. On a small detached hill lying S.W. of a larger one, about $1\frac{1}{2}$ miles N.W. by N. of the village of Alakápuram on the main road from Salem to Omalúr, and 2 miles N.N.E. of Súramangalam Railway Station: táluk Salem. The station is marked by a circle and dot engraved on the upright fragment of the broken stone lamp-post in front of temples, buried in rocks, and about 50 feet N.N.E. of Senduráya Përumálkoil. 1870. NOTE.—As Colonel Lambton's station of Allavapooram H. (fixed in 1810) is very close, all his observations have been referred to this station.	11 41 39'79	78 10 14'33	1797	490
Kusanúr h.s. ... <i>Koosunoor S.</i>	Nizam's Dominions	On the N.W. brow of a flat-topped hill, about a mile S. of the village of Kusanúr, and 4 miles S.E. of the town of Gulbarga. 1819-20.	17 17 18'90	76 55 23'27	...	985
Kutaitatti, LXXXVI	Tinnevelly	<i>Vide page 23—A.</i> ... ..	8 51 21'96	77 38 19'35	$\frac{603}{4}$	112
Kutipárai, LXXXI ...	Madura	<i>Vide page 22—A.</i> ... ..	9 28 44'87	78 3 4'94	$\frac{354\cdot07\ddagger}{1\cdot1}$	107 108
Kutipárai h.s. ... <i>Kooteapaurae S.</i>	"	On a rocky hill, close to the principal station of Kutipárai: firka Tirushuli. The station is marked on a rock. 1808.	9 28 44'90	78 3 5'39	355	2006
Kúttagulla Fort <i>Kootauscole</i>	Cuddapah	Bastion over the E. gate-way of the fort immediately W. of the road from Kadiri to Pulivéndla, about 2 miles N. of the former: táluk Kadiri. 1812.	14 8 28'7	78 11 36'9	...	1463

\* This station is the same as Kurumalai h.s. of the South-East Coast Series.

† To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3·5 feet.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Kuttálam Fort <i>Koutaul</i>	Bellary	High turret of the fort E. of the village of Kuttálam, about 5½ miles W. of the railway line, and 9 miles S.W. of the town of Kosgi: táluk Ádoni. 1813-14.	15 46 18·7	77 10 47·9	feet ...	...
Kuttálam Hill Peak	Travancore State	Highest point of the northern of three peaks, about 4 miles S.S.W. of Kuttálam on the road from Travancore to Tēnkási. 1874.	8 52 41	77 17 36	5271	660 661
Kúttapuli Church <i>Kootapooli C. Ch.</i>	Tinnevelly	Pedestal on the S. part of the Roman Catholic Church in the village of Kúttapuli near the coast, about 2½ miles S.E. of Karunkulam village at the junction of the roads from Panagudi and Rádhápuram to Cape Comorin: táluk Náguneri. 1808-9.	8 8 42·7	77 38 34·0	...	712 713
Kutupet Fort	...	<i>Vide Ellúr Kothepet Fort.</i>	...	...	...	...
Lachhmanpur h.s. <i>Letchmapooram S.</i>	Nizam's Dominions	On the highest rock of a rugged hill, about a mile S.E. by S. of the village of Lachhmanpur, 1½ miles N. of Nizámpet, 2½ miles S.S.W. of Baurampet, and 6½ miles N.E. of Lingampalle Station of the Nizam's State Railway. A cart track from Nizámpet to Baurampet passes close to the station. The station is marked by a circle and dot cut on the rock <i>in situ</i> , with an isolated masonry pillar built over it, having a mark-stone on the top and surrounded by a temporary platform of stones and earth. 1817-18. It was re-visited in 1872.	17 32 3·86	78 25 37·05	2109	743
Lakkidi Bungalow <i>Luckadicottah</i>	Malabar	On rising ground, about ¼ a mile N. of the village of Lakkidi on the high road from Pálghát to Angádipuram, and 3 miles W. of the large village of Mankari. 1808-9.	10 46 37·4	76 29 29·3	...	...
Lakshmi-gudda Hill Pagoda <i>Lukshmi-goodda H.P.</i>	Nizam's Dominions	A stone mandapam on the small isolated hill of Lakshmi-gudda about ¼ a mile W. of the road to Kanakgiri town, and 2½ miles W. by N. of the cantonment. 1816-17.	15 34 55·6	76 25 2·9	...	1169 1170
Lálkota Fort <i>Lalkotah</i>	"	S.W. angle of the fort of the village of Lálkota, about 4½ miles S.W. of Devarakadra town. 1813-14.	16 34 14·9	77 50 0·5	...	195
Lanjabanda Hill Fort <i>Lungabunda</i>	Kurnool	S.E. angle of the fort on a small isolated hill about 1½ miles S. of Dasaridóddi, 3½ miles E. by S. of Kasapuram, and the same distance S. by W. of Narapuram: táluk Rámallakot. 1812.	15 29 30·8	78 2 14·7	...	914
Lankamalai h.s. <i>Lunkamalli S.</i>	Cuddapah	On one of the most conspicuous summits of a mass of mountains, about 3½ miles S. of the high road from Cuddapah to Nellore (Néllúr), 10 miles S.W. by W. of Chinnapalli village on the above-named road, and 5 miles S. of Regulakunta: táluk Badvel. The station is denoted by a large platform with a large tree in the centre supported by a pyramid of stones. 1811-12.	14 39 40·38	78 57 22·39	2874	1533
Lingadahalli Hill Mark <i>Lingumpilly H.</i>	Bellary	On an isolated hill, about 1½ miles S.W. of the village of Lingadahalli, 2½ miles E.N.E. of Bómmagundlahalli, and 1½ miles N. of Yéllarti village: táluk Álúr. The point is denoted by a platform. 1813-14.	15 30 6·86	77 10 0·05	...	1090

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Linganapalle h.s. ... ..	Nizam's Dominions	On the southernmost of a group of hillocks, E. of a large tree, between three tanks, about $\frac{1}{4}$ of a mile N.E. by E. of the village of Linganapalle, and $5\frac{1}{4}$ miles E. by N. of Kodangal town. The station consists of a solid isolated pillar of masonry, $4\frac{1}{2}$ feet in height and 2 feet square, with two marks, one cut on the rock <i>in situ</i> and the other on a half-brick imbedded in its upper surface 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1872.	17 7 16.66	77 44 55.79	$\frac{\text{feet}}{1815}$ 3	154 155
Linganbunda h.s. ... .. <i>Lingunubunda H.S.</i>	"	On a hill S. of and near the village of Linganbunda, and about $6\frac{1}{2}$ miles S. by W. of the town of Kushtagi. 1816-17.	15 40 26.08	76 10 46.51	...	*
Luchërla Fort ... .. <i>Loocherla</i>	Anantapur	N.E. angle of the fort near the village of Luchërla at the junction of three high roads, about $\frac{1}{2}$ of a mile S. of another cross road, and $\frac{1}{4}$ of a mile N. of a large tank: táluk Pënkõnda. 1812.	14 10 1.6	77 46 37.7	...	1640 1641
McDonald's Choultry Ry. Station	Salem	S.W. end of the gable of the station on the S.W. Line of the Madras Railway: táluk Tiruchëngod. 1869-70.	11 32 59.1	78 1 45.9	...	495 496
Machalbëtta s. ... ..	Bangalore	On the summit of a rocky eminence about 500 or 600 yards N. of the Madras Railway, $\frac{1}{4}$ a mile S. by E. of Lingrájpur village, and $2\frac{1}{2}$ miles E.N.E. of Bangalore Cantonment Railway Station: táluk Bangalore. The station consists of a circular isolated pillar of masonry, 1 foot high, with mark-stones at top and bottom, and surrounded by a platform of stones and earth. 1867-68.	13 0 3.75	77 40 12.45	3033†	1727
Machátmalai h.s. ... .. <i>Mutchaut H.S.</i>	Cochin State	On the southern and lower of the two most prominent points that crown the N.N.W. spur of a high range of hills, about $2\frac{1}{2}$ miles S. of Mulurkarai, 4 miles W.S.W. of Chelekarai on the high road to Calicut, and 11 miles N.N.E. of the town of Trichúr. It is not on the highest part of the hill, but is about 47 feet E.N.E. of the highest boulder of a group of rocks on it: táluk Tálapilli. The station as originally established by Colonel Lambton in 1810 was marked by a circle in the stump of a tree surrounded by a roughly-rounded platform of large stones and earth. When visited in 1880, the platform with part of the stump of the tree was found; the stump was then removed, the cavity filled with stones and earth, and a large mark-stone deposited as near the centre of the platform as could be judged from its dilapidated state and irregular shape.	10 39 49.15	76 19 51.96	1364	1819
Madakasíra Hill Mark (helio.) ... .. <i>Mudduckserah</i>	Anantapur	On the large rock forming the highest point of a hill at the E. foot of which lies the town: táluk Madakasíra. The point is marked by a circle and dot engraved on the rock <i>in situ</i> . 1812. It was refixed in 1870.	13 56 37.05	77 18 42.50	2934	392 393
Madanapalle s. ... .. <i>Muddunpilly</i>	Cuddapah	On the gate-way of the fort of Madanapalle, immediately W. of the junction of the main roads from Punganúr and Chinna Tëppasamudram: táluk Madanapalle. 1812.	13 33 0.15	78 32 44.77	...	‡
Mádannapur Hill Pagoda ... .. <i>Muddenapooram P.</i>	Nizam's Dominions	White-pointed pagoda about a mile N.E. by E. of the large village of Kálhallapalle, and $2\frac{1}{2}$ miles W. of Takkellapalle. The road between these two villages passes by the N. of the hill. 1820-21.	16 55 18.6	78 46 39.2	...	961

\* For triangle fixing this station, see the Synoptical Volume of the Mangalore Meridional Series.

† This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series.

‡ For triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Mádapuram Hill Tree <i>Kowootlah</i>	Kurnool	A remarkable tree on one of a group of hills lying about 2 miles N.E. of the village of Mádapuram, 3 miles E.S.E. of Kappatrálá, and 4 miles S. of Devarabanda on the high road from Bellary to Kurnool: táluk Pattikõnda. 1812.	15 34 5	77 42 45	feet ...	...
Maddagiri Fort <i>Mudgherry Dg.</i>	Túmkúr	Close to Maddagiri Fort (helio.): táluk Maddagiri. 1813.	13 39 3	77 14 32	...	1327
Maddagiri Fort (helio.)	"	On a hill, about a mile S.W. of the town: táluk Maddagiri. The point is denoted by a mark-stone embedded in the centre of the bastion at the N.E. angle of the fort, the highest point of the drug, about 1473 feet above the road below. 1870.	13 39 3'33	77 14 31'88	3933	398 399
Maddikëra Pagoda <i>Muddigherry P.</i>	Kurnool	In the town, about 3 miles E. of Nanchërla Station on the N.W. line of the Madras Railway: táluk Pattikõnda. 1813.	15 14 59'2	77 27 25'2	...	322 323
Mádhavaram Fort <i>Maudaveram</i>	Bellary	Of the village of Mádhavaram on the high road from Ádoni to Ráichur, about 2½ miles W. of Chetnihalli, and 4 miles E. by S. of Tungabhadra Station of the Madras Railway: táluk Ádoni. 1813-14.	15 56 10	77 23 55	...	...
Madura Pagoda No. 1 <i>Madura</i>	Madura	Flag on the gopuram of the N.E. pagoda: táluk Madura. 1808-9.	9 55 6'7	78 9 44'8	...	2025 2026
Madura Pagoda No. 2 <i>Madura</i>	"	South-western pointed pagoda in the town: táluk Madura. 1808-9.	9 54 46'6	78 9 19'8	...	2027
Madura Temple	"	Centre of the large gopuram on the S. side of the great Minákshi temple; the level of the surrounding wall is 31 feet above the ground: táluk Madura. 1871.	9 55 1'3	78 9 40'7	487* 31	601 602
Mahádevamgutta Hill Pagoda <i>Maudegavangutt</i>	Nizam's Dominions	On a hill, about 2½ miles S.S.E. of Shamshahabad on the road to Hyderabad. 1813.	17 13 10'6	78 27 6'6	...	844 845
Mahádevi Hill Pagoda <i>Maudavy H.P.</i>	Salem	Centre of the pagoda on a small isolated hill about a mile N.E. of the village of Mahádevi, 1½ miles in the same direction from the high road to Námakal, and 2½ miles W.S.W. of Morupatti: táluk Námakal. 1808-9.	11 9 19'2	78 27 16'0	...	2068 2069
Mahendragiri No. 1 h.s. <i>Miandragherry</i>	Travancore State	On the northernmost and highest point of the range of hills forming the boundary between Travancore and Tinnevely, about 5 miles W. by S. of a choultry on the high road to Kalakád, and the same distance N. of Anantavaram. The station is marked by a circle and dot cut on the slope of a fragment of one of the highest rocks. When visited in 1869, a masonry pillar was built over it. 1809-10.	8 22 59'81	77 31 50'84	5427	727
Mahendragiri No. 2 h.s.	"	On the southernmost point of a hill, and about ¼ of a mile S. of Mahendragiri No. 1 h.s. The station is marked by a circle and dot cut on the rock <i>in situ</i> , over which a masonry pillar is built. 1869.	8 22 45'59	77 31 53'64	5377	728 729

\* To top of enclosing wall.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Mailapur Hill Tower ... <i>Mylapoor H.B.</i>	Nizam's Dominions	On a small isolated hill close W. of the village of Mailapur on the road from Chalúr to Sindhnúr, and about 3½ miles N. of the former. 1816-17.	15 39 14' 0"	76 38 27' 7"	feet ...	1173
Mailapuram Pagoda ... <i>Mylahpooor Dr.</i>	Bellary	Near the village of Mailapuram, about ¼ a mile S.W. of the Hagari river, and 5 miles E. by S. of Tēkkalakota on the high road from Bellary to Siruguppa: táluk Bellary. 1813-14.	15 31 13' 1"	77 0 0' 5"	...	1099 1100
Maipárai Hill Temple ...	Tinnevely	Centre of the solid temple on a small isolated hill N. and immediately above the village of Iláyalperi, and about 3½ miles E.S.E. of Tiruvēngadam on the road from Sankaranainárkoil to Sivakási: táluk Sankaranainárkoil. 1874.	9 14 27' 4"	77 46 9' 3"	509*	643
Maishagutta h.s. ... <i>Myshagutt S.</i>	Nizam's Dominions	On a hill, about 4 miles N.N.E. of the large village of Yēldhanda on the road to the town of Kalvakurthi, 2 miles N.E. of Chirkúr, and 2½ miles E.N.E. of Pēddapur. The station is denoted by a mark-stone between two large stones on a platform. 1818-19.	16 47 39' 16"	78 36 30' 13"	2034	827
Mákalidurga, XXXVIII	Bangalore	More correctly Mahákálidurga. <i>Vide</i> page 13—4. ...	13 26 15' 74"	77 32 41' 12"	$\frac{3607}{5}$	48 53
Mákalidurga h.s. ... <i>Macklydroog</i>	"	More correctly Mahákálidurga. On a pagoda on a fortified hill, and about ¼ a mile S. by W. of the principal station of Mákalidurga: táluk Dēdballapur. 1801.	13 25 53' 96"	77 32 36' 38"	[3741]	1702 1703
Makhtal Idgah ... <i>Muktul Eedgah</i>	Nizam's Dominions	About a mile W. of the town. 1818-14. ...	16 29 46' 6"	77 32 23' 8"	...	199 200
Makhtal Pagoda ... <i>Muktul P.</i>	"	In the town. 1818-14. ...	16 29 52' 3"	77 33 29' 9"	...	198
Malaikōnda Hill Mark ... <i>Mullacondah</i>	Anantapur	On a small hill about 1½ miles N. of Siddharámpuram village on the high road to Kadiri: táluk Pēnukōnda. The point is denoted by a platform with a mark in it. 1812.	14 17 39' 52"	77 55 22' 72"	...	1453 1454
Malaikōnda Pagoda† ... <i>Mullaycondah P.</i>	Cuddapah	On a hill, about a mile S.W. by S. of Vēmpalli, and 4 miles S.W. of Madanapalle town: táluk Madanapalle. 1812.	13 31 24' 4"	78 29 34' 9"	...	...
Málailmalai h.s. ... <i>Maulaelmalli S.</i>	Travancore State	On a hill, about 3 miles E. of the village of Vēliyutu, 2½ miles S.W. of Úmanúr, and 1 mile N. by W. of the small village of Nettayem on the high road from Anchal to Quilon. The station is denoted by a platform with the stump of a tree in its centre. 1809-10.	8 55 3' 17"	76 49 54' 03"	472	1833
Malaiyampati Hill Pagoda ... <i>Shoragymalli</i>	Salem	On a small isolated hill about ½ of a mile S.E. of the village of Malaiyampati, and 2½ miles E. of Nangaveli: táluk Salem. 1810.	11 45 51' 7"	77 58 24' 2"	...	1793 1794

\* To roof of temple.

† This point is the same as Malaikōnda No. 1 Pagoda of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Malapalli Hill Pagoda <i>Maulapilly H.</i>	Kolár	At the eastern extremity of a detached hill, about a mile S.S.W. of Venkatapur, 1½ miles S.W. of Chintamani town, ¼ a mile W. of Kannampalli close to the road from Hōskote to Chintamani, and 2¼ miles N.E. by E. of Mailapur: táluk Chintamani. 1812.	13 23 8·9	78 4 53·1	<i>feet</i> [3739]	1685
Malesvar Hill Pagoda <i>Mal Eeshwar P.</i>	Bellary	On the S. slope of a range of low hills, about 1½ miles S.E. of Halēkota village on the high road from Siruguppa to Tēkkalakota, and the same distance N.E. of the latter: táluk Bellary. 1813-14.	15 32 51·2	76 56 41·7	...	1098
Malesvaram Hill <i>Mullaasprum H.</i>	Kolár	Stone on a conspicuous peak, about ¼ a mile S.W. of the 7th mile-stone on the high road from Kolár town to Jangamkote, 2 miles S.E. of Vemgal, and 4 miles N.E. of the large town of Belúr: táluk Kolár. 1801.	13 10 19·5	78 4 32·9	[3561]	450
Maliabad, XIX <i>Malliabad S.</i>	Nizam's Dominions	<i>Vide page 9—A.</i>	16 8 8·15	77 23 34·32	$\frac{1764}{3}$	24 29
Maligiri h.s. <i>Mailgiri</i>	"	On a hill pagoda about 1½ miles S.W. of the town of Shahpur, and 3¼ miles N. by E. of Sagár. 1816-17.	16 40 40·88	76 51 39·25	...	982
Malkapur Hill Pagoda <i>Mulkupun H.P.</i>	"	A very conspicuous pagoda on a lofty hill, about a mile N.N.E. of the village of Malkapur, and 3¼ miles N.E. by E. of Shorapur town. 1816-17.	16 33 11·5	76 50 58·0	...	1189 1190
Malkapur h.s. <i>Mulkapoor S.</i>	"	On one of the highest points in the range of granitic hills locally known as Jandagutta, about 2¼ miles S. by E. of the village of Malkapur on the road to Hyderabad, 3 miles E. of Mailavaram, and the same distance W. of Kundagúdém. The hill which is ascended from the E. side is about 600 feet above the plain at its base. The station is marked by a circle cut on a flat stone at the top of a slightly elevated platform. 1812.	17 14 0·37	78 50 38·96	2183*	946 947
Mallanagutta h.s. <i>Mullanagoota</i>	"	On a hill, about 1½ miles S.S.W. of Narkod, and 5¼ miles W.S.W. of Shamsahabad on the road to Hyderabad. The station is denoted by a mark-stone sunk in the ground. 1813-14.	17 14 6·96	78 21 55·28	...	836 837
Mallapannanagudi Pagoda <i>Mullapan</i>	Bellary	In the village of Mallapannanagudi on the high road from Kamalápuram to Hōspet, and about 2¼ miles E.N.E. of the latter town: táluk Hōspet. 1813.	15 16 59·7	76 28 13·4	...	1264
Mallappakōnda h.s. <i>Mullapah Condah S.</i>	Anantapur	On the W. side of a high hill, about 60 yards N.W. of four large high rocks, ¼ a mile S.W. of the Dharmavaram táluk boundary, 2¼ miles E.N.E. of the village of Nárepalle close to the right bank of the Chitrávati river, and 1¼ miles N.N.W. of the high road from Pēnukōnda: táluk Pēnukōnda. The station is denoted by a large mark-stone embedded in the surface of a platform of earth and stones, 9 feet high, built on a large flat rock, and supported on the W. side by a high rock the nearest portion of which is about 6½ feet distant from the mark. 1812. When visited in 1871, the mark-stone was placed in the centre of Colonel Lambton's platform which was found partly destroyed.	14 15 2·80	77 51 38·27	$\frac{3088}{9}$	1405

\* This value of height is in supersession of that printed in the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Mallapur Hill <i>Jagurkul H.</i>	Nizam's Dominions	Brown hill close to Mallapur h.s. 1813-14.	16 18 42	77 19 2	feet ...	...
Mallapur h.s. <i>Mullapa-dongor</i>	"	On the highest and northernmost point of a ridge of white quartz rocks, about $\frac{1}{4}$ a mile W. of the village of Mallapur, $3\frac{1}{4}$ miles N.W. by N. of Marcher which is $5\frac{1}{2}$ miles in the same direction from Raichur Railway Station, and 6 miles S. of the Kistna river. 1816-17.	16 18 42.94	77 19 2.95	...	999 1000
Mallela Hill Mark <i>Mullialla H.</i>	Cuddapah	On a hill, about 3 miles N. by W. of the village of Mallela on the main road from Pulivendla to Muddanur Railway Station on the line from Bellary to Madras, and $4\frac{1}{2}$ miles N. by E. of Tondur on the same road: taluk Pulivendla. The point is denoted by a mark in a platform. 1812.	14 37 55.53	78 20 37.04	...	1561 1562
Mallela Mark (helio.)	"	On the main road from Pulivendla to Muddanur Railway Station, close to Talari tank, and about $\frac{3}{4}$ of a mile N.E. of the village of Mallela on the same road: taluk Pulivendla. The point is denoted by a mark-stone embedded in a mound $6\frac{1}{2}$ feet high. 1872.	14 35 52.70	78 21 35.04	813	1420 1421
Mallempkonda h.s. <i>Pombcondah</i>	Anantapur	On a small hill about $\frac{1}{4}$ of a mile S. of the village of Mallempalle which is at the same distance S. of a stream flowing into the Chitravati river, and 1 mile W.S.W. of Lucharla village at the junction of three high roads: taluk Penukonda. 1812.	14 9 42.21	77 45 28.47	...	1628 1629 1630
Malliattur h.s. <i>Mulliatoor</i>	Cochin State	On a range of hills lying E. and W., about 40 yards S. of a church, $3\frac{1}{4}$ miles N.E. of the large village of Shairanellur, 4 miles E. of Manjapara, and $1\frac{1}{2}$ miles N.W. of Koyopa on the Periyar river: taluk Kanyanur. The station is marked on a platform. 1810.	10 12 50.03	76 33 8.34	1269	1826
Malliga h.s. <i>Malliga H.S.</i>	Nizam's Dominions	On the most conspicuous hill of a range seemingly connected with the Bider heights, about 6 miles E. of Bider (Bidar), and 1 mile S.E. of Malliga village. The station is marked on the gravel rock, a stone with $\odot$ inscribed thereon being laid over it and surmounted by a small tree supported in position by a pile of stones. 1814-15.	17 53 8.27	77 38 52.17	2208	*
Mallikarai h.s. <i>Mulliakurrae</i>	Salem	On a large detached hill, about 2 miles N. by E. of the village of Mallikarai close S. of the junction of the main roads from Salem and Attur, and $1\frac{1}{2}$ miles N.W. by W. of Ichampati village: taluk Attur. 1810.	11 35 5.63	78 32 19.57	...	1782
Mamdur Fort <i>Maumdoor</i>	Anantapur	Highest bastion at the W. angle of the fort on the left bank of the Puli stream which flows into the Pennar river, about 6 miles S.W. of Gooty town: taluk Gooty. 1813-14.	15 2 52.5	77 37 46.8	...	329
Manapad Church	Tinnevely	W. end of the roof of the Roman Catholic Church on the prominent headland of the coast, about $\frac{1}{4}$ a mile S.E. of the village of Manapad at the mouth of the Karamanayar river: taluk Tenkarai. 1869. The point was refixed in 1874.	8 22 17.3	78 6 24.1	130†	725 726
Manchal Fort <i>Munchal</i>	Nizam's Dominions	Highest turret of the fort in the village of Manchal at bend and on the right bank of the Tungabhadra river. 1813-14.	15 56 36.4	77 27 59.5	...	257 258

\* For triangles fixing this station, see the Synoptical Volume of the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

† To roof of church.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Manchálpur Hill Turret <i>Munchilapoor</i>	Nizam's Dominions	Close E. of the village of Manchálpur, and about 3½ miles N.W. by N. of Ráiohur. 1813-14.	0 1 " 16 14 55·4	0 1 " 77 21 53·8	feet ...	235
Mandileru h.s.	Nílgi	On the end of a spur running E.S.E. near Kotagiri on the high road from Mettupálayam to Ootacamund: the village of Kerubétta is on the same spur about half-way between the station and Kotagiri. The station is marked by a circle and dot cut on the rock <i>in situ</i> and covered over by a mound of stones. It occupies the site of an old survey station. 1870.	11 24 57·51	76 55 34·65	6564	511 512
Manditop Hill Mark (helio.)	Tinnevely	About 2 miles S. by E. of Koilpati Railway Station, and 1½ miles S.W. of Pandavarmangalam village: taluk Ótapidáram. The point is denoted by a mark-stone covered over by a pile of stones. 1874-75.	9 8 27·72	77 54 21·11	649	*
Mandúr, LIV	Bangalore	<i>Vide</i> page 16—A. ... ..	13 4 56·48	77 46 26·97	$\frac{3000}{2}$	75
Manikönda Hill <i>Gujjel Munnikonda</i>	Nizam's Dominions	About 1½ miles N.N.E. of the village of Manikönda on the road to Koyalkönda, and 7 miles E. by S. of the town. 1813-14.	16 43 55	77 56 17	...	...
Maniyapálayam h.s. <i>Munniapolliam</i>	South Arcot (Tén Árkád)	On a point of the Kalráyan Malai hills, about a mile E. by N. of the village of Maniyapálayam, and the same distance N.N.W. of Kildukuli: taluk Kallakurchi. 1810.	11 52 56·90	78 43 31·61	...	1812†
Mannagundapálayam h.s. <i>Munnagoondapolliam</i>	Salem	On a mass of hills, about 2 miles S.E. of Töppúr village, and 3½ miles N. by W. of Divatipati on the main road from Salem to Dharmapuri: taluk Salem. 1810.	11 54 58·15	78 6 54·89	...	1789 1790
Mannárglát Hill Stone <i>Manar Ghaut</i>	Malabar	A remarkably sharp stone on a hill peak, about ¼ a mile E. by N. of Magápalli, 8 miles N.E. of the large village of Mannár, and 1½ miles N. by W. of Attapádi on the Bhaváni river: taluk Walawanád. 1808-9.	11 5 49·3	76 35 40·6	...	1996 1997
Mannárgudi Church <i>Munnacaud C. Ch.</i>	Travancore State	Of the well-known sea-port town of Mannárgudi, about 4½ miles W. by N. of Cape Comorin. 1808.	8 5 15·9	77 31 30·3	...	1915
Manpöttai, XCIV <i>Munpotha S.</i>	Tinnevely	<i>Vide</i> page 25—A. ... ..	8 15 53·31	77 37 5·16	$\frac{515}{2}$	124
Manúr Fort <i>Munnoor</i>	Bellary	On the S. bank of the Tungabhadra river, about 1½ miles W. of Sógúr, and 11 miles in the same direction from the high road from Bellary: taluk Bellary. The point is denoted by a mark cut on the S.E. angle of the fort. 1813-14.	15 29 3·12	76 45 18·61	...	1135
Mánvi Hill <i>Bhunoor H.</i>	Nizam's Dominions	The highest of the numerous large stones on the ridge of the lofty hills close W. of the town which is also known as Bhanúr. 1816-17.	15 59 23	77 4 48	...	1011 1012

\* For triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.

† For another triangle fixing this station, see the Synoptical Volume of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Mánvi Redoubt <i>Maunvah Dr.</i>	Nizam's Dominions	At the S.E. corner of the town which is also known as Bhanúr. 1813.	15 59 0	77 53 33	feet ...	...
Marali Turret <i>Murhully</i>	Bellary	Near the village of Marali on the right bank of the Tungabhadra river, and about 3 miles N.W. by S. of Hálwi on the high road from Koegi: táluk Ádoni. 1813-14.	15 54 34.2	77 7 22.3	...	...
Maravalle Tree <i>Murralee Tree</i>	Nizam's Dominions	About $\frac{1}{4}$ a mile S.E. of the village of Maravalle, and $8\frac{1}{2}$ miles W. by N. of Andol town. 1814-15.	17 50 51	77 59 36	...	145 146
Marcher Fort <i>Marchair</i>	"	S.E. angle of the fort at the W. side of the large village of Marcher, about $5\frac{1}{2}$ miles N.W. by N. of Báichur Railway Station. 1813-14.	16 16 25.9	77 20 34.7	...	284
Mariyálam, LVII	Salem	<i>Vide page 17—A.</i> ... ..	12 22 40.32	77 44 48.27	$\frac{3446}{3}$	69, 78
Márkandesvara h.s. ... <i>Maurcundeeshra H.P.</i>	Kolár	On a large pagoda on the E.N.E. of three isolated hills, about a mile S.E. by S. of the large village of Vakaleri on the high road from Málúr to Kolár, and $8\frac{1}{2}$ miles S.W. of the latter: táluk Kolár. The station is denoted by a star engraved on the platform of the pagoda. 1801.	13 3 18.27	78 5 11.93	...	469
Marramungala Fort ... <i>Marra Moomgalla</i>	Nizam's Dominions	S.W. angle of the fort on the right bank of the Kistna river, about $\frac{1}{4}$ a mile N.N.W. of the town of Págtúr. 1813-14.	16 1 52.6	78 4 58.6	...	892 898
Martava h.s. ... <i>Murtuwa H.</i>	Travancore State	On a hill, about 5 miles N.N.W. of Cape Comorin, and the same distance E.S.E. of Kótár on the road from the Cape to Trivandrum. The station is denoted by a mark-stone. 1808-9.	8 8 0.58	77 33 0.42	...	1911
Maski Hill Pagoda ... <i>Mooski</i>	Nizam's Dominions	Centre of the front or E. face of the pagoda on a rather high summit of the ridge of rocks lying to the S.W. of Maski. 1816-17.	15 57 1.1	76 41 38.5	...	1085
Maski h.s. ... <i>Mooski H.S.</i>	"	On the S. extremity of the highest summit of a ridge of rather lofty hills, close S. of Maski Hill Pagoda, and about $\frac{1}{4}$ a mile S.S.W. of the town on the right bank of the Maski channel. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . 1816-17.	15 56 47.75	76 41 37.32	...	1114 1115
Máthalli h.s. ... <i>Mauhully H.</i>	Coimbatore	On a hill, about $1\frac{1}{2}$ miles S. by E. of the village of Máthalli, 2 miles S.W. of Tókkarai, and $2\frac{1}{2}$ miles N.E. of the high road from Kóllegál to Bhaváni: táluk Kóllegál. 1803-6.	11 58 43.24	77 33 7.90	[3174]	1775 1776
Mattod Palace ... <i>Muttoad</i>	Ohitaldroog	In a fort, about $3\frac{1}{2}$ miles E. of Jogamanhalli village on the left bank of the Vedavati river, and $2\frac{1}{2}$ miles N.E. of Karihalli: táluk Hólalkéro. 1818.	13 46 11.0	76 26 46.7	...	...
Maunla Ali Hill Mosque	...	<i>Vide Secunderabad Hill Mosque.</i> ... ..	...	...	...	...

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Maulva Fort ... <i>Maulvah</i>	Bellary	Gate-way of the fort of the village of Maulva, about $\frac{1}{2}$ a mile E. of the Hagari river, the same distance W. of the high road from Bellaguppa to Bellary, and $6\frac{1}{2}$ miles N.N.W. of the former: taluk Rayadrug. 1812-13.	14 48 9'0	77 8 28'7	feet ...	1241
Medcharla Mosque ... <i>Maidchell</i>	Nizam's Dominions	N. spire of the mosque of the town on the road to Secunderabad, and about 4 miles E.N.E. of Dhúndgal. 1817-18.	17 37 51'9	78 31 13'2	...	784
Meddelakönda Stone ... <i>Muddulroye</i>	Cuddapah	On a sharp rock on a hill, about $3\frac{1}{2}$ miles W. by S. of the police station and village of Lakkirëddipalle on the high road from Pulivëndla to Rayachoti: taluk Rayachoti. 1812.	14 8 55	78 42 33	...	*
Medkönda h.s. ... <i>Maidkoonda S.</i>	Nizam's Dominions	On a range of high lands, about a mile N.E. of the village of Medkönda, and $1\frac{1}{2}$ miles E. by S. of the principal station of Dúdála. The station is denoted by a mark-stone embedded in the centre of a platform. 1818-19.	17 55 46'63	77 56 18'29	...	751 752
Meladi h.s. ... <i>Mailady H.P.</i>	Travancore State	On an old ruined pagoda on a hill, about $\frac{1}{2}$ a mile N.E. of the high road from Cape Comorin to Trivandrum. The station is marked by a circle. 1808-9.	8 21 7'22	77 13 4'77	...	1901
Melpatnam Hill Temple	Tinnevely	On a high, red and conical hill, about $\frac{1}{2}$ of a mile S.W. of the village of Melpatnam, 3 miles N.E. of the town of Palamcottah, and $1\frac{1}{2}$ miles N. of the high road from Palamcottah to Tuticorin: taluk Tinnevely. 1874.	8 45 23'5	77 48 48'0	519†	658 659
Melúr h.s. ... <i>Boadthamalli</i>	Salem	On a large hill, about $\frac{1}{2}$ a mile S.E. of the village of Melúr, the same distance N.W. of Kilúr village, and 5 miles E. of Mallúr on the main road from Salem to Námakal: taluk Salem. 1810.	11 32 19'71	78 15 29'89	...	1787 1788
Menánapuram Church	Tinnevely	Top of tall spire of the church about $5\frac{1}{2}$ miles N.E. by E. of Viramártandanallúr on the Karamanayár river: taluk Ténkarai. 1874.	8 28 18'4	78 2 20'3	213‡	700 701
Mëchikaldrug Hill Tree <i>Minchiculdroog</i>	Túmkúr	On a prominent peak at the S. extremity of a short range of hills running nearly N. and S., about $1\frac{1}{2}$ miles S.S.E. of Taradi on the road from Túmkúr to Kóratagère, $2\frac{1}{2}$ miles W. by N. of Tannënhalli on the road from Dobbapet to Kóratagère, and $1\frac{1}{2}$ miles N.N.W. of Chikkanhalli: taluk Túmkúr. 1801.	13 27 23	77 14 26	...	...
Metamári Hill Platform <i>Meetamerry</i>	Cuddapah	About $1\frac{1}{2}$ miles N.E. of the village of Metamári, 2 miles S. by E. of Tët, and $5\frac{1}{2}$ miles N.W. of the town of Madanapalle: taluk Madanapalle. 1812.	13 35 43'43	78 28 31'83	...	1528
Midagëshidurga Hill Mark (helio.)	Túmkúr	On a high conspicuous hill at the E. foot of which is the town of Midagëshi, about $\frac{1}{2}$ of a mile W. of the high road from Maddagiri to Pávagada, 12 miles N. of the former, and $1\frac{1}{2}$ miles S.E. of Kasápur: taluk Maddagiri. The point is marked by a circle and dot engraved on the rock <i>is sitá</i> about 40 feet W. of a Muhammadan temple in the fort. 1870.	13 49 50'59	77 14 7'68	3374	394 395

\* For triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

† To base of temple.

‡ To top of spire.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Midagēshidurga Hill Mosque ... <i>Meddagashiedroog</i>	Támkúr	On a conspicuous hill, about 50 yards E. by S. of Midagēshidurga Hill Mark (helio.): táluk Maddagiri. 1801.	13 49 50·4	77 14 9·2	feet ...	1830
Midimalapkōnda Platform ... <i>Middee Malapcondah</i>	Cuddapah	On the S. point of a mass of hills, about 2 miles N.E. by N. of Gurramkōnda on the main road from Madanapalle to Chēriapalli, and 4 miles S.W. of the latter: táluk Váyalpád. 1812.	13 48 7·97	78 38 5·17	...	1509 1510
Midipēntla Fort ... <i>Meedapentlah</i>	...	S.W. angle of the fort immediately N.W. of the village of Midipēntla, and about 2½ miles S. by W. of Vemula on the main road from Pulivēndla to Vempalli: táluk Pulivēndla. 1812.	14 19 56·5	78 21 23·2	...	1484
Mikarubētta h.s. ...	Nílgi	On one of the high crests in the southern centre of the Nílgi hills immediately overhanging the N.E. corner of the Malabar district, about 4 miles N. of the Bhaváni river, and 14 miles S. by W. of Ootacamund. The road from Ootacamund passes by Mr. Ivor's Bund to Mr. Havelock's plantation called Táyishola Estate, whence it passes through the Government Melkōnda Cinchona Plantation and the deserted Caroline Estate to the narrow ridge on which the station lies. The station occupies the position of Colonel Saxton's Melkōnda Staff of the Nílgi Triangulation, and was found marked by a circle and dot engraved on a stone <i>in situ</i> . 1880.	11 12 51·22	76 41 1·51	6921	1941
Mínákshi, LXXIV* ... <i>Meenachipooram H.S.</i>	Tinnevely	On the middle of the summit of the pyramidal-shaped roof of the Mínákshi-Malaipati temple called Pōichola Mēyiráyankoil, built on a rock which rises about 120 feet above the surrounding plain of black soil, about 4 miles N. by W. of the town of Étaiyápuram, and 5½ miles S.W. of Tappati on the high road from Vipar to Sátúr town. It is in the lands of Mínákshipuram: táluk Ótapidáram. The station consists of a circular isolated pillar of masonry built around a circle and dot engraved on a stone set in the flat portion of the chunam ridge or crest of the roof of the temple, 14 inches W. by N. of the centre of the temple and 9·7 feet above the floor. The station mark is 6·33 feet from the S. side, 6·13 feet from the N. side, 5·08 feet from the W. side and 7·35 feet from the E. side of the base of the roof which is about 12½ feet square and 14 feet above the rock on which the temple is built. The azimuths or directions and distances of the following places are:—Étaiyápuram (centre of three domes) 343° 53', miles 4·23; Mínákshipuram 174°, mile 0·9; Kadalai W.S.W., miles 2½; Karuppúr N.N.E., miles 2½; and Kotúr E.N.E., miles 4½. 1809. No allusion to the finding of a mark or pillar of any kind is made by the party visiting it in 1875.	9 12 31·34	78 1 16·09	330 †	...
Mittēmári Fort ... <i>Mittamerry</i>	Kolár	High cavalier of the fort in the village of Mittēmári, close E. of the road from Bāgenhalli to Chintámani, about a mile W.S.W. of Chōkkampalli, 4½ miles N. of the large village of Sádali, and 3½ miles N.E. of Somenhalli: táluk Bágépalli. 1812.	13 40 59·5	77 54 25·9	...	1645
Modkati h.s. ...	Madura	On the plateau of the Palni hills, about 2 miles E. of Modkati village, 1½ miles N.W. of an outlet of the Kōdai-kánal lake, and 10 miles N. of the town of Pēriyakulam: táluk Dindigul. The station is marked by a circle and dot engraved on the hill top 32 feet S.E. of a small, upright and pointed stone. 1871.	10 15 5·26	77 30 58·48	7658	615
Modúr Pagoda ... <i>Moodoorgootah P.</i>	Salem	Close N. of the village of Modúr, and about 2½ miles W. of Mattakavundanhalli on the main road from Karimangalam to Dēnkanikota: táluk Dharmapuri. 1802-6.	12 13 20·2	78 12 23·6	...	†

\* This station appertains to the South-East Coast Series. † See description of this station.  
 ‡ For triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Moghalgidda Pagoda No. 1 <i>Mogulgidda</i>	Nizam's Dominions	Turret of the pagoda close S. of the town. 1813-14.	17 5 10.7	78 9 57.6	feet ...	859
Moghalgidda Pagoda No. 2 <i>Mogulgidda</i>	"	Close W. of the town. 1817. ... ..	17 5 32.7	78 9 32.9	...	860
Moka Fort ... .. <i>Mokah</i>	Bellary	High cavalier of the fort on the W. bank of the Hagari river, and about $\frac{1}{4}$ of a mile S. of the high road from Bellary: taluk Bellary. 1813-14.	15 13 57.9	77 6 4.7	...	1107 1108
Molakatalla Hill Pagoda <i>Molagataul H.S.</i>	Anantapur	On the S. peak of a hill, about $\frac{1}{4}$ a mile E. of the village of Melakatalla, and $3\frac{1}{4}$ miles E. by S. of Chittur village on the Pénner river: taluk Gooty. 1811.	14 55 23.1	77 47 22.8	...	338
Mölkálmuru Hill Turret <i>Molacalmooroo</i>	Chitaldroog	Ruined turret on the highest part of a fort on a prominent peak of a steep stony hill, about a mile N.N.W. of the town on the high road from Ráyadrug to Bellary, and $2\frac{1}{4}$ miles E. of Hángal travellers' bungalow: taluk Mölkálmuru. 1813.	14 44 1.9	76 46 50.0	[3015]	1246
Möpur h.s. ... .. <i>Mopoor H.P.</i>	Cuddapah	On the high gopuram of a pagoda on a small hill on the E. or left bank of a stream, about $\frac{1}{4}$ of a mile E. by N. of Nallachérupalle village, and 2 miles S.E. of the large village of Santakovúr: taluk Pulivéndla. 1812.	14 29 8.54	78 24 29.64	832*	1583 1584
Moravakönda Fort ... .. <i>Moorycondah</i>	Kurnool	High central cavalier of the fort midway between the village of Moravakönda and the right bank of the Kistna, and about $10\frac{1}{4}$ miles N. of the town of Nandikotkúr: taluk Nandikotkúr. 1813-14.	16 0 35.1	78 18 6.4	...	921
Morúr, LXVII ... ..	Salem	<i>Vide page 19—A.</i> ... ..	11 24 11.54	77 55 54.10	$\frac{1644.60\uparrow}{1.5}$	87
Moruvádi h.s. ... .. <i>Dewigherry</i>	"	On a hill, close S.E. of the village of Moruvádi, about a mile W. of Kóttalam, and $2\frac{1}{4}$ miles N.E. of Mahendramangalam on the road from Pálked to Ráyakota: taluk Krishnagiri. 1801-6.	12 25 59.63	78 7 36.48	...	1742
Möthakapalle, V ... ..	Nizam's Dominions	<i>Vide page 7—A.</i> ... ..	17 26 46.71	77 52 53.91	$\frac{2277}{5}$	3,10
Motikamamalai Hill Pagoda <i>Motheekamalli</i>	Cuddapah	About 2 miles S. by E. of Gundlapalli village, and 3 miles E. by N. of Devulachérupu: taluk Madanapalle. 1812.	13 47 23.8	78 25 38.6	...	1469 1470
Múdalagundi h.s. ... .. <i>Moodulugoondi H.</i>	Nizam's Dominions	On the southernmost of a mass of short parallel ridges of hills terminating on the Maski river on the N.W., about $1\frac{1}{4}$ miles E. of Mudénúr fort, $\frac{1}{4}$ of a mile S.E. of Benachimatti village, and 1 mile S.W. by S. of Múdalagundi village, all of which lie close S. of the Maski river and on the road to Mudgal town. The station is denoted by a pile of stones. 1816-17.	15 53 24.77	76 22 3.20	...	1183 1184

\* To top of gopuram of highest pagoda.

† To top of rectangular protecting pillar, the assumed height of which above circular pillar is 8.5 feet.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Múdelmalai h.s. ... <i>Moodelmalli</i>	Cochin State	On a hill, just above and W. of the village of Úpúgal on the Shoreyár river, and about 2 miles S. of Shoreyár village on the high road from Trichúr to Warakancheri in the Madura district. 1810.	0 1 " 10 32 54·64	0 1 " 76 25 14·62	feet ...	1874 1875
Mudgal Hill Masjid ... <i>Moodgul</i>	Nizam's Dominions	N.E. angle of the masjid on the top of the hill fort W. of the town. 1816-17.	16 0 27·2	76 28 39·3	...	1150 1151
Mudimadagu Hill Platform ... <i>Moodymuddagoo H.</i>	Kolár	On a conspicuous hill, about 1½ miles E.S.E. of the village of Mudimadagu, 2¼ miles N.W. by W. of Sigal-bail on the road from Shriniváspur to Madanapalle, and 4 miles N.E. by E. of the large village of Ráyalpád: táluk Ohintámani. 1812.	13 33 41·59	78 25 41·25	[4521]	1515 1516
Mudimalai, LXXIX ...	Madura	<i>Vide page 22—A. ...</i>	10 24 25·90	78 13 36·07	$\frac{3138}{1}$	104
Múganáyakankote h.s. ... <i>Kotaoor H.P.</i>	Támkúr	On a hill pagoda about 2 miles W. by N. of the village of Múganáyakankote, 6¼ miles N.N.W. of Nittur Railway Station, and 2 miles S. by W. of Alagatta village situated between two large tanks: táluk Gubbi. The station is marked on the top of the pagoda. 1801-6.	13 23 8·98	76 51 45·02	...	1834*
Mukanúr h.s. ... <i>Mooknoor H.</i>	Salem	On the N.E. end of a mass of hills, about 2 miles S. of the village of Mukanúr, close to the main road from Dharmapuri to Morappúr Railway Station, and 6 miles E. of the former: zamindári Kadatúr. 1802-6.	12 7 9·64	78 18 0·58	...	1758*
Mukunnumalai h.s. ... <i>Mookoonoomalli S.</i>	Travancore State	On a detached hill, about 5 miles E. of the town of Trivandrum. The station is denoted by a large markstone in the centre of a square platform. 1808-9.	8 27 58·06	77 3 38·88	828	1836
Mulkagiri h.s. ...	...	<i>Vide Secunderabad h.s. ...</i>	...	...	...	...
Mulkanúr Hill Pagoda ... <i>Moolakulloor</i>	Anantapur	About ¼ a mile N.E. of the village of Mulkanúr, 8 miles S.S.E. of Kalyándrug, and 6¼ miles E. of the Pénner river: táluk Dharmavaram. 1813.	14 26 45·8	77 13 15·8	...	1310 1311
Muludukal Hill Pagoda ... <i>Muludukul</i>	Nizam's Dominions	Square pagoda on the highest summit of the southern of two small hills, close E. of the village of Muludukal, and about 2¼ miles S.E. by E. of Rámdurg. 1816-17.	16 16 26·7	77 8 48·4	...	1086 1087
Mungilpádi Hill Pagoda ... <i>Mooyngypetty</i>	Salem	On the western of a group of small detached hills, about 2 miles N.E. by E. of the village of Mungilpádi, and 5¼ miles N. by E. of Salem or Súramangalam Railway Station: táluk Salem. 1812.	11 44 55·8	78 10 47·7	...	1797
Munimalai h.s. ... <i>Moonimalli</i>	"	On the northern of two small isolated hills, about 1, 4¼ and 2 miles S.W. respectively of the following:—Mullepati village, Morappúr Railway Station and the junction of the main roads from Dharmapuri, Adikarappati and Arúr: zamindári Kadatúr. 1802-6.	12 4 46·63	78 22 9·68	...	1744

\* For another triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Munnanúr h.s. ... <i>Moonanoor</i>	Nizam's Dominions	At the N.W. extremity of a high flat-topped range of hills, about 1½ miles W.N.W. of the village of Munnanúr, 2 miles S.E. of Rangapuram, and 5½ miles E. by S. of Achammappeta or Achampet town. The station is denoted by a mark-stone in the centre of a large circular platform. 1820-21.	16 22 35' 13"	78 46 40' 04"	feet 2358	967 968
Murigudda Hill ... <i>Moorygoodda H.S.</i>	"	Highest summit of a lofty ridge on a short range of red hills in the midst of an extensive waste, about 2½ miles W. of Nandihalli village on the left bank of the Tungabhadra river. 1816-17.	15 32 12	76 48 17	...	1118 1119
Murtejapalle Mosque ... <i>Moortajapully</i>	"	N. minaret of the mosque on a rock close W. of the village of Murtejapalle on the road to Surikönda. 1820-21.	16 51 53' 0"	78 35 45' 1"	...	958
Muruvattúr h.s. ... <i>Murroovuttoor H.S.</i>	Travancore State	On about the middle of a range of hills, about 3½ miles E. by N. of Udayagiri close E. of the road from Cape Comorin to Trivandrum. The station is marked by a circle engraved on the rock <i>in situ</i> , surrounded by a platform. 1808-9.	8 14 56' 36"	77 26 2' 58"	3135	1839
Mushtakoil Fort ... <i>Mooshtacoil</i>	Anantapur	Gate-way at the E. face of the fort, about 2½ miles E. of the Mysore boundary, and 5 miles E.S.E. of Tirmani village which is close to the high road from Bellary to Pénukönda: táluk Dharmavaram. 1812-18.	14 13 13' 3"	77 34 31' 7"	...	309 810
Muttukoil h.s. ... <i>Mootoocoil H.</i>	Madura	On the highest part of a hill, close to the Coimbatore district boundary, about 3½ miles N.N.E. of Pönivádi, 2½ miles S.W. of Kilankundal, and the same distance N. of the high road from Dhárápúram to Dindigul: táluk Palni. 1808-9.	10 43 47' 86"	77 44 5' 15"	...	2009 2010
Nadivi Fort ... <i>Nuddavoye</i>	Bellary	Near the village of Nadivi on the right bank of the Tungabhadra river, and about 5 miles W. of the high road to Siruguppa: táluk Bellary. The point is denoted by a mark on the fort. 1813-14.	15 30 19' 69"	76 50 48' 17"	...	...
Nádkáni h.s. ... <i>Naudkaunee H.S.</i>	Coimbatore	On a small hill about 3 miles W. of Uttampálaiyam, 13 miles N.N.E. of Dhárápúram, and 2½ miles N.N.W. of Lakamanáyakanpatti: táluk Dhárápúram. The station is marked on a wall which had been intended for a building. 1808.	10 53 50' 43"	77 39 30' 75"	...	1953 1954
Nágaldinne Pagoda ... <i>Nauguldinny</i>	Bellary	E. of the village of Nágaldinne, on the right bank of the Tungabhadra river at the point where it is crossed by the high road from Ádoni, and about 1½ miles W. by N. of Guruzala village: táluk Ádoni. 1813-14.	15 54 51' 7"	77 36 34' 2"	...	253 254
Nágaldinne s. ... <i>Nauguldinny</i>	"	On the S.W. angle of the inner fort of the village of Nágaldinne on the right bank of the Tungabhadra river: táluk Ádoni. 1813-14.	15 54 53' 46"	77 36 15' 57"	...	251 252
Nágálúr Hill Mosque ... <i>Nagaloor</i>	Nizam's Dominions	On a small hill about 1½ miles N.N.E. of the village of Nágálúr, ¼ a mile S. of Madhavaram, and 2 miles N. of Dhúndgal. 1817-18.	17 38 18' 7"	78 27 52' 8"	...	783

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Nágalúr h.s. ... <i>Nauvalloor H.</i>	Salem	On a hill, about $\frac{1}{2}$ of a mile W. by N. of the village of Nágalúr, and $7\frac{1}{2}$ miles N. of the town of Attúr: táluk Attúr. 1810.	11 42 23' 21"	78 38 16' 27"	feet ...	1803 1804
Nagamalai h.s. ... <i>Naggamalli S.</i>	Madura	On about the middle of a low range of hills W. of Madura, about $1\frac{1}{2}$ miles S.E. of Vikiramangalam village, and $5\frac{1}{2}$ miles N.E. of Válánúr on the high road from Ándipati to Madura: táluk Tirumangalam. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . 1808-9.	9 59 53' 53"	77 58 44' 60"	1055	2004
Nagamalai Hill Temple	Coimbatore	About a mile W. of Elatúr, $1\frac{1}{2}$ miles N.E. of Irugalúr, $2\frac{1}{2}$ miles N.W. of Nambiyúr on the high road to Satyamangalam town, and 10 miles S. by E. of the latter: táluk Satyamangalam. 1870.	11 22 50' 4"	77 20 1' 4"	1294	519 520
Nagarbétta h.s. ... <i>Nugubetta H.S.</i>	Kaládgi	On a hill close to the village of Nagarbétta, about $1\frac{1}{2}$ miles W. of Jayapur village on a village road leading northward from Nálátvar, and $3\frac{1}{2}$ miles N.W. of Nálátvar: táluk Muddebihál. 1816-17.	16 17 13' 24"	76 18 1' 44"	...	1147*
Nágaréddipalle h.s. ... <i>Nagareddypilly</i>	Nizam's Dominions	On a long flat hill, about a mile N.N.W. of the village of Nágaréddipalle, $2\frac{1}{2}$ miles W. by N. of Nabobpet, and 7 miles in the same direction from Góllagudda Station of the Nizam's State Railway. The station is denoted by a mark-stone. 1814-15.	17 26 4' 18"	77 58 19' 12"	...	163
Nágarugudda Hill Tower <i>Nagurgoond H.</i>	"	Close S. of the village of Nágarugudda, and about 2 miles N. of Devadurg town. 1816-17.	16 26 34' 4"	76 58 49' 4"	...	1198 1199
Nágarcoil Barrack Gate <i>Nagurcoil</i>	Travancore State	Of the town contiguous to that of Kótár, both on the road from Trivandrum to Cape Comorin. 1808.	8 11 3' 7"	77 28 19' 6"	...	...
Nágarcoil Longitude s.	"	In the compound of the travellers' bungalow, 60'17 feet N.W. by N. of the N.W. corner of the verandah, and 87'75 feet N.W. by W. of the N.E. corner of the plinth of the building: pravarti Kótár, táluk Agasteshwaram. The station is denoted by a mark-stone embedded 2'5 feet below the ground level in a small masonry pillar built between the transit piers. 1888.	8 11 25' 30"	77 28 30' 74"	110	2074 2075
Nágasamudram Fort ... <i>Naga Sundrum</i>	Anantapur	S.W. angle of the fort of the village of Nágasamudram, about 8 miles S.W. of Dharmavaram, and 1 mile S. of the high road thence to Pénukónnda: táluk Dharmavaram. 1812.	14 18 20' 1"	77 41 51' 1"	...	1417
Nágavára s. ...	Bangalore	On the N. slope of the high land and on the straight line from the S.W. End to N.E. End of the Bangalore Base-line, 2'4 miles from the former, about a mile W. of the village of Nágavára, $1\frac{1}{2}$ miles E. of Hébbal village on the high road from Devanhalli to Bangalore, and 3 miles N. by E. of Bangalore Cantonment Railway Station: táluk Bangalore. The station is denoted in precisely the same manner as the South-West End of the Bangalore Base-line. <i>Vide page 12—g.</i> The superstructure consists of a solid stone platform 10 feet 6 inches square and 1 foot above the ground level, on which rest four stone pillars carrying an upper platform. The former platform has a mark engraved on stone in the normal of and 1 foot 7 inches above the lower mark and the upper platform carries a circular slab of stone with an orifice in it, its upper surface being 8 feet 7 inches above the second mark. A cut-stone pyramid 2 feet square at base and 6 feet 8 inches high was erected on the slab. 1867-68.	13 2 11' 16"	77 38 57' 91"	2979†	1725

\* For another triangle fixing this station, see the Synoptical Volume of the Mangalore Meridional Series.

† To circular slab of stone on upper platform. This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Nágol Hill Turret ... <i>Naugole</i>	Nizam's Dominions	On a rock close S.W. of the village of Nágol, and about 1½ miles S. of Kandnúl on the road to the town of Kalvakurthi. 1818-19.	16 27 56·6	78 21 12·1	feet ...	880 881
Nagrúr Hill Pagoda ... <i>Pag.</i>	"	On one of a line of hill peaks, about 1½ miles S.E. of the village of Nagrúr, and 2½ miles S.W. of Kadamgeri on the road to Wandurg. 1816-17.	16 40 21·4	76 39 45·3	...	1207 1208
Naikal, XVII	"	<i>Vide page 9—A.</i> ... ..	16 43 18·22	77 6 55·33	1609·17* 3·2	27
Naikal h.s. <i>Nyekul H.S.</i>	"	On a hill, near the village on the road from Naikal Ferry of the Bhíma river to Gogi town, about 2½ miles S.W. of the ferry, and 5 miles W.S.W. of Yád-giri Railway Station. 1816-17.	16 43 10·71	77 6 19·29	...	980 981
Nainarmalai Hill Temple	Salem	Centre of the highest gopuram of the temple on the highest point of a high isolated hill, about 7 miles N. by E. of Námakal, 2½ miles W. of Tuttikulam, 1½ miles E. by N. of Minnampalli, and just N. of the high road from Sëndamangalam: táluk Námakal. 1869-70.	11 19 8·4	78 14 42·6	2466	509 510
Nakalgutta h.s. <i>Nuckulgutt</i>	Nizam's Dominions	On a small detached hill about 6½ miles S.W. by S. of Sadáshyvet town. The station is marked on a gravel rock on the summit. 1814-15.	17 32 11·63	77 56 37·23	...	164 165
Nallakõnda Hill Building <i>Nullacondah</i>	Cuddapah	About 2 miles N.N.W. of the police station of Chinna-mandem, and the same distance W. of Kõttapalle village on the high road from Madanapalle to Ráyachoti: táluk Ráyachoti. 1812.	13 58 9	78 42 34	...	†
Nallakõnda h.s. <i>Nullacondah S.</i>	Anantapur	On the S. summit of a small range of black rocks running N. and S., about a mile E. of the village of Arakatavemula, 3 miles in the same direction from Muchukota on the high road from Tadpatri to Anantapur, and 5½ miles S.W. of Tadpatri Railway Station: táluk Tadpatri. The station is denoted by a platform. 1812.  NOTE.—The station was reported by the District Officer in 1895 to have no signs of existence, a cattle pound occupying its site.	14 51 6·60	77 57 45·20	...	1546 1547
Nallurhalli h.s. <i>Pattendore H.</i>	Bangalore	About 200 feet E. of a small pagoda on the summit of a remarkable hill, 1½ miles N.E. of the village of Nallurhalli, immediately W. of the main road from Sarjápúr to Kádgodí Railway Station, and 2 miles S.S.W. of the latter: táluk Bangalore. The station is denoted by a pile of stones. 1801.	12 58 27·83	77 47 30·98	[2966]	439
Námakaldrug Building	Salem	Small white building, the highest of five, and W. of the town of Námakal: táluk Námakal. 1870.	11 13 15·5	78 12 25·8	858	532
Namthabad s. <i>Namthabad S.</i>	Anantapur	In a field about ¼ of a mile S.W. of the small village of Namthabad, 2½ miles W.S.W. of Gooty town, and 3½ miles S.S.W. of Gooty Railway Station: táluk Gooty. The station was originally established by Colonel Lambton in 1811 for astronomical observations for latitude. When visited in 1871, the mark was found in good order: over this a solid isolated pillar of masonry, about 3½ feet high, and surrounded by a platform 14 feet square, was built, having a mark-stone in its upper surface 3·4 feet above the old mark in the foundation.	15 55·2·40	77 38 54·09	1169·48† 4	290 291

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3·5 feet.

† For triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

‡ This value of height is in supersession of that printed in Professional Volume: XI.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Nandávaram Fort ... <i>Nundiwar</i>	Bellary	Close to the village of Nandávaram on the high road to Ádoni, and about 5½ miles S. of the Tungabhadra river: táluk Ádoni. 1812.	15 51 7	77 31 34	feet ...	...
Nandiálapet Hill Pagoda ... <i>Mookundamalli</i>	Cuddapah	N. top of the pagoda at the S. end of an isolated hill, about 1¼ miles N.N.W. of the village of Nandiálapet, 1½ miles E. of Élampalli, and 4¼ miles E. by N. of Maidakur: táluk Pröddutúr. 1812-13.	14 44 10.5	78 50 8.2	...	1582
Nandigudi, XLVII ...	Bangalore	<i>Vide page 15—A.</i> ...	13 12 8.33	77 56 16.07	$\frac{3087}{*}$	77
Nandimandalam h.s.	Cuddapah	On the highest point of an isolated hill called Kumarákōnda, about 2 miles S.W. of Nandimandalam village on the high road from Vempalli to Cuddapah, ¼ of a mile E. of the Pápagni river, and 1 mile E.N.E. of the village of Diguvatuvaipalli: táluk Cuddapah. The station consists of a platform 1 foot high and 8 feet square, having a large three-cornered mark-stone embedded about ¼ a foot below its surface. 1872.	14 23 1.11	78 33 6.69	1283	1409
Nánguneri Pagoda ... <i>Nagalancherry</i>	Tinnevely	Centre of the large gopuram of the pagoda of the town: táluk Nánguneri. 1874.	8 29 25.3	77 41 59.9	405†	709 710
Nannivála h.s. ... <i>Nundewalla H.</i>	Chitaldroog	On an isolated hill, about ¼ of a mile N. by E. of the village of Nannivála, 4¼ miles W. of the town of Chalakère on the high road from Bellary to Hiriyúr, and 3¼ miles N.E. of the village of Rámjoghalli: táluk Chalakère. 1813.	14 19 18.26	76 37 19.30	[2565]	1844 1845 1846
Nárabanda Hill Platform ... <i>Narabunda</i>	Nizam's Dominions	On a low range of hills, about ¼ of a mile N. of the small village of Apendōddi, and 5 miles S. of the Kistna river. 1816-17.	16 18 3.83	77 31 4.63	...	180 181
Naragudda Pagoda ... <i>Nellumpaud H.</i>	"	At the E. end of the island of Naragudda in the Kistna river, opposite to and about a mile N.N.E. of Burdipád.village, and 1½ miles E. by S. of Paorevalla. 1813-14.	16 20 23.0	77 38 12.7	...	217 218
Náráyanadevarakeri Pagoda ... <i>Naraindavarukerra</i>	Bellary	Highest and western pagoda in the fort on the N. edge of a large tank S. of the village of Náráyanadevarakeri on the high road from Harpanahalli: táluk Hōspet. 1813-14.	15 10 54.3	76 20 23.2	...	1266 1267
Náráyanhalli Hill Pillar ... <i>Nullapilly H.</i>	Kolár	About ¼ a mile W.S.W. of Amdyálpade, 1½ miles W. by N. of Ketēnhalli, 5½ miles N.E. by E. of the large village of Manchenhalli on the road from Goribidnúr to Chikballápur, and 2½ miles N.E. of Dandigánhalli: táluk Chikballápur. 1812.	13 32 15.56	77 43 0.34	[4046]	1718
Náráyanpet Hill Tomb ... <i>Naranapett</i>	Nizam's Dominions	White tomb of a saint on the hill N.W. of the town. 1813-14. The point was refixed in 1871.	16 45 3.5	77 32 5.6	1529‡	175
Náráyanpur Hill Building ... <i>Narainpoor</i>	"	Centre of square building about ¼ a mile E.S.E. of Náráyanpur on the road from Nalgōnda to Hyderabad. 1821.	17 9 35	78 55 45	...	§

\* See description of this station. † To top of gopuram. ‡ To roof of tomb.  
§ For triangle fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Narikot h.s. ... ..	Malabar	Also known as Tanotimalai. On a prominent peak of the Western Gháts, which is conspicuous from its commanding elevation and the peculiar resemblance it bears to the hump of a Brahmini bull, and which is known to the European inhabitants of Wynaad as the "Hump". It is the south-westernmost peak of the Lesser Terint range of the hills called Chinathu Terint which is separated by a deep valley from the Greater Terint range called Ballára about 4 miles W. of Vaitiri, and 1½ miles W.N.W. of the Lakadighát road: táluk Wynaad (Vayanád). The station is marked by a circle and dot engraved on the rock or on a large stone embedded on the summit of the hill flush with the ground, surrounded by a low platform 8 or 10 feet square and covered over by a large pile of earth and stones. 1872-78.	0 1 " 11 32 24' 40"	0 1 " 76 1 20' 27"	feet 5091	*
Narkod Building <i>Nadakoodah</i> ... ..	Nizam's Dominions	White building in the centre of the fort of Narkod, about 4 miles W. of Shamshahabad on the road to Hyderabad. 1813-14.	17 15 20' 8"	78 22 36' 8"	...	842
Narkod Tomb <i>Nadakoodah</i> ... ..	"	On high ground, about ¼ of a mile W. by S. of Narkod, and 4½ miles W. of Shamshahabad on the road to Hyderabad. 1813-14.	17 15 18' 7"	78 22 12' 3"	...	846 847
Narsápur Hill Tree <i>Narsapoor</i> ... ..	"	About 1½ miles S. of the village of Narsápur. 1817-18.	17 42 38"	78 19 11"	...	...
Narsimdevaragudda h.s. <i>Nursimdavurgooda S.</i> ... ..	Bellary	On the centre of a square temple on a conspicuous hill, about 8½ miles S.S.E. of Harpanahalli town, and 2 miles W. of Arsikère Fort: táluk Harpanahalli. The station is denoted by a mark. 1813-14.	14 40 10' 68"	76 5 3' 68"	2554	1223
Narsula, II† <i>Chittiall H.S.</i> ... ..	Nizam's Dominions	On a hill named after a god whose shrine is under the cliffs facing the village of Kongor, about 2½ miles S. by W. of Chittiall village, 5 miles S. of Medak Haveli, and 13½ miles E. of Tekmál village. It is in the lands of the village of Naian Jalálpur, pargana and district Medak. The hill is crowned by an immense rock 19 feet in height. The station as built in 1869 consists of a solid pillar with two marks, the upper 1·08 feet above the lower, engraved on the rock is <i>sifá</i> , which marks Colonel Lambton's station of 1817.	17 58 20' 31"	78 17 37' 41"	1965† 1	...
Naubatpahár h.s. ... ..	...	<i>Vide</i> Hyderabad, Naubatpahár h.s. ... ..	...	...	...	...
Nauli h.s. <i>Nowli H.S.</i> ... ..	Nizam's Dominions	On the highest summit of a ridge of hills, about 3 miles W. of the village of Nauli on the road from Kanakgiri to Sindhnúr. 1816-17.	15 38 36' 45"	76 32 22' 41"	...	1141 1142
Náyakanhatti Fort <i>Naikenhutti</i> ... ..	Chitaldroog	Flag at the N.E. angle of the fort, about 3 miles W. of Gauripur, and 2½ miles E.S.E. of Gaudagère: táluk Chalakère. 1813.	14 27 56' 6"	76 35 6' 4"	...	...
Nazarani Church <i>Nasserany C. Church</i> ... ..	Cochin State	Ruined church about 1½ miles N.E. of Angádi, 3 miles E. by N. of Kavidda, and ¼ a mile E. of Chittenúr. 1810.	10 37 39' 7"	76 5 52' 9"	...	1872 1873

\* For triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

† This station appertains to the Bider Longitudinal Series of the South-East Quadrilateral.

‡ This value of height is in supersession of that printed in the Synoptical Volume of the Bider Longitudinal Series of the South-East Quadrilateral.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangles
Nedampárai h.s. ... <i>Nedumpaurae S.</i>	Travancore State	On the summit of a high bare-topped hill, about 3½ miles E. by S. of Mamblaturai on the high road from Quilon to Tēnkási. The station is denoted by a mark-stone in the centre of a platform. 1809-10.	9 0 21'06"	77 6 46'57"	feet 2921	1832
Nēddichinta Hill Pagoda <i>Nēddichintah</i>	Nizam's Dominions	On a hill, about 1½ miles N.W. of the village of Nēddichinta, and 2½ miles E. by S. of Madúr. 1813.	16 50 47'0"	77 41 19'0"	...	996
Nēddikunnu h.s. ... <i>Nēddicoonoo S.</i>	Travancore State	On a hill, about a mile S. of the village of Nēddikunnu, 1½ miles N.E. of Panayembala, and 4 miles S. by E. of the large village of Pámbádi. There is a church at the foot of the hill on the N. side. The station is denoted by a square platform. 1810.	9 29 50'58"	76 42 9'59"	484	1829
Nēlagat, XI	Nizam's Dominions	<i>Vide page 8—A.</i> ... ..	17 2 48'87"	77 30 37'66"	$\frac{2029}{5}$	15
Nēlkurti h.s. ... <i>Nelkoortee S.</i>	Cuddapah	On the verge of a remarkable precipice of a flat-topped hill locally known as Pallakōnda, about 2 miles N. of Gōllapalle village, and 8½ miles W. of Guvalchēru police station on the high road from Ráyachoti to Cuddapah: táluk Ráyachoti. The station is denoted by a large platform with a pyramid of stones. 1812.	14 17 45'74"	78 40 22'95"	2959*	1495
Nēllikudru h.s. ... <i>Nēllikoodroo H.</i>	Nizam's Dominions	On a hill, about a mile W. by S. of the village of Nēllikudru, 2½ miles N.E. of Pēddapalle, 1½ miles E.S.E. of Ravipaklu, and 2½ miles S. by E. of Bandapalle. 1818-19.	16 24 12'30"	78 28 4'77"	...	870 871
Nēllúdi h.s. ... <i>Nulloody</i>	Bellary	Close W. of the village of Nēllúdi on the high road from Kampli and about 5½ miles E. by S. of it, and 2 miles W. by S. of Yēmmiganúr: táluk Bellary. 1813-14.	15 23 22'90"	76 42 41'91"	...	1125 1126
Nēraniki Hill Turret <i>Nērraniky Dr.</i>	"	S.W. top of the turret on a hill, about ¼ a mile E. of the village of Nēraniki, 2½ miles W. by S. of Mud-danagēri on the high road from Álúr, and the same distance E.S.E. of Yēllarti village: táluk Álúr. 1813-14.	15 28 7'3"	77 11 57'5"	...	1042 1043
Niálamari h.s. ... <i>Narlainee H.</i>	Nizam's Dominions	On a hill, about 8 miles W. by S. of Gangávaram, and 7 miles N. by W. of the town of Gopálpēt. The station is denoted by a large mark-stone sunk in the ground. 1818-19.	16 29 37'32"	78 9 52'18"	...	189
Nidugal h.s. ... <i>Nēddigul Dr.</i>	Támkúr	On a small temple on the summit of the lofty pointed peak of Nidugal, literally the long or high stone or rock, a conspicuous object in the western part of the Pávagada táluk, about a mile N. by W. of the village of Nidugal 1½ miles S. of Dōddinhalli, and 14 miles W. by N. of the town of Pávagada. In 1870, a circle and dot and an arrow were cut on the rock <i>is sité</i> 8 feet E. of the temple: táluk Pávagada. 1813.	14 9 27'84"	77 7 23'60"	3769	1820 1321

\* This value of height is in supersession of that printed in the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Nijagaldurga Pillar ... <i>Negicul Dr.</i>	Bangalore	Stone pillar on the top of a hill fort accessible only from the N. and E. sides, about $\frac{1}{2}$ of a mile S.W. of Nijagal village which is $\frac{1}{2}$ of a mile E. of the 33rd mile-stone on the high road from Nēlamangala to Tūmkūr, $2\frac{1}{2}$ miles N.W. by W. of Dobbspet travellers' bungalow, and 4 miles W. of Nidvanda Railway Station: táluk Nēlamangala. 1801.	13 14 46·6	77 15 26·3	feet [3562]	1716
Nílagallu Hill Tower ... <i>Neelugulloo-boorj</i>	Nizam's Dominions	The highest and central of three towers on a small hill close S.W. of the village of Nílagallu. 1816-17.	16 12 0·8	77 10 21·2	...	1005 1006
Nílgiri Hill Peak ... <i>Neelgherry sharp peak</i>	Malabar	Western and remarkably sharp peak on the edge of the first step of the high mountains which lie between Malabar and Coimbatore, about 25 miles N.E. of Angádipuram, 8 miles N.N.W. of Mannár, and 5 miles E. by S. of Kanat. 1808-9.	11 6 18	76 27 33	...	1851 1852
Níllulenitimmápuram Pagoda ... <i>Timmapooram P.</i>	Anantapur	In the village of Níllulenitimmápuram, and about 3 miles S.S.E. of Gadēkal on the high road from Bellary to Guntakal: táluk Gooty. 1811.	15 4 54·5	77 18 19·4	...	326
Nimbágal s. ...	"	In a field of black soil, about $1\frac{1}{2}$ miles S.S.W. of the village of Nimbágal, 600 yards S. of a conspicuous tree on the cart-track leading from Nimbágal to Hanumantpur, and $6\frac{1}{2}$ miles S.W. of the town of Uravakōnda: táluk Gooty. The station consists of a solid isolated pillar of masonry, $4\frac{1}{2}$ feet in height and $2\frac{1}{2}$ feet square, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1871.	14 51 52·43	77 14 18·96	$\frac{1565}{3}$	367 368
Nimbalagiri Hill Mark ... <i>Nimbalgherry</i>	Bellary	On a high conical hill, about $2\frac{1}{2}$ miles S.S.E. of the village of Nimbalagiri, $\frac{1}{2}$ a mile N. of the Mysore (Maisúr) boundary, $1\frac{1}{2}$ miles S.E. by S. of Ganagatti village, and 5 miles E. of Gadimákunte on the high road from Kúdligi: táluk Kúdligi. The point is denoted by a platform with a mark in it. 1818.	14 40 5·63	76 25 1·89	[2643]	1856 1857
Nimbápuram h.s. ... <i>Annagoondy S.</i>	"	On a small hill about $\frac{1}{2}$ of a mile S. of the Tungabhadra river, $2\frac{1}{2}$ miles N. by E. of the town of Kamalápuram at the junction of the high roads from Bellary, Hōspet and Anagōndi: táluk Hōspet. 1813-14.	15 20 8·57	76 31 56·11	...	1278
Nir Mánvi Hill Pillar ... <i>Neer Manivi</i>	Nizam's Dominions	On the hill known as Devaragutta, about a mile N.N.W. of the village of Nir Mánvi on the road to the town of Mánvi, and 5 miles N.E. by N. of the town. 1816-17.	16 2 57·41	77 8 38·93	...	1074 1075
Nittúr Pagoda ... <i>Nittoor P.</i>	Anantapur	Highest, pointed and southernmost spire of the pagoda on the W. bank of the Chitrávati river, about $\frac{1}{2}$ of a mile S. of the village of Nittúr, and close to Pēddamallepalli: táluk Tadpatri. 1812.	14 43 55·7	78 6 9·7	...	1570 1571
Nizamkōnda Fort ... <i>Nizamconda</i>	Nizam's Dominions	N.E. angle of the fort on the island of Nizamkōnda in the Kistna river. 1818-14.	16 9 21·3	77 58 50·0	...	897 898

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Nösam Hill Platform <i>Nosum H.</i>	Kurnool	E. platform about 8 miles N.W. of the town of Nösam: taluk Koilkuntla. 1811.	15 0 21' 14"	78 23 49' 82"	feet ...	1541
Nundydroog Building	Kolár	On a hill, about 41 yards N.W. by N. of Nundydroog h.s.: taluk Chikballapur. The point is marked by a circle and dot cut on the highest part of the roof of General Sir Mark Cubbon's house. 1865-66.	13 22 9' 49"	77 43 38' 22"	...	471
Nundydroog Building (helio)*...	"	On a hill, about 38 yards N.W. by W. of Nundydroog h.s.: taluk Chikballapur. The point is marked by a circle and dot cut on the S.W. side of the roof of General Sir Mark Cubbon's house, about 26 feet S.W. by S. of the centre of the sky-light. 1870.	13 22 9' 24"	77 43 38' 09"	4837†	400 401
Nundydroog Hill Mark (helio)...	"	On a hill, about 50 yards E.N.E. of Nundydroog h.s., and 60 yards E. of General Sir Mark Cubbon's house: taluk Chikballapur. The point is marked by a circle and dot engraved on a bare rock. 1865-66.	13 22 9' 34"	77 43 40' 25"	4806	455 456
Nundydroog h.s. <i>Nundy-Droog S.</i>	"	On a famous fortified hill at the termination of a range of mountains, of which it is the highest point, running N. to Pénukóna: taluk Chikballapur. The station is on the S.E. rampart of an old polygar fort, nearly half-way between the angles, and is denoted by a mark-stone in the middle of a stone platform. 1806.	13 22 8' 54"	77 43 38' 99"	4813	407 408
Nutimadugu Fort <i>Nothemuddagoo</i>	Anantapur	S.W. angle of the fort about $\frac{1}{4}$ a mile E. of the Pénner river, 3 miles in the same direction from the high road from Bellary, and 10 miles N. of Perúr: taluk Dharmavaram. 1812.	14 29 23' 6"	77 22 2' 3"	...	1807
Odaikarai Hill Shaft ...	Tinnevelly	Base of stone shaft on a rock or low hill, about 3 miles S. of Sátúr, $\frac{1}{4}$ of a mile E. of the railway line from Tuticorin to Madura, and $3\frac{1}{4}$ miles S. by E. of Sátúr Railway Station: taluk Sátúr. 1874-75.	9 18 0	77 58 14	287‡	...
Odangudi Church ...	"	Parapet wall of the square reddish-coloured tower of the church about 2 miles N.W. of the N. end of Kulasekharapatnam on the coast: taluk Ténkarai. 1874.	8 25 44' 9"	78 4 6' 0"	100§	719 720
Omalúr s. ... <i>Womooloor Sta.</i>	Salem	About $\frac{1}{4}$ a mile N. of the village of Omalúr, and $1\frac{1}{4}$ miles N.E. by N. of Omalúr Fort s.: taluk Salem. 1810.	11 44 53' 18"	78 5 24' 19"	...	...
Omalúr Fort s. <i>Womooloor</i>	"	On the highest cavalier of the fort about $\frac{1}{4}$ of a mile S.W. of the village of Omalúr at the junction of the main roads from Salem, Taramangalam and Töppúr, and $6\frac{1}{4}$ miles N.W. of Súramangalam Railway Station: taluk Salem. 1810.	11 44 1' 21"	78 4 49' 13"	...	1791 1792
Ótapidáram Pagoda s. <i>Wotapuddarum P.</i>	Tinnevelly	On the E. bank of a large tank close to and immediately W. of the town of Ótapidáram on the road from Sivapéri to Minákshipuram. 1809.	8 54 47' 73"	78 3 47' 10"	...	691

\* This point is the same as Nundydroog Hill Mark of the Madras Longitudinal Series.

† To roof of building.

‡ To base of shaft.

§ To parapet wall of tower.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pachapálayam s. ... <i>Putchapolliam Station</i>	Coimbatore	On the northern and highest part of the field called Mauda (Mautha) Marai Kád, nearly midway between two villages of Pachapálayam, about $\frac{1}{2}$ a mile N. by W. of the little hamlet of Pêrulai-Pudúr or Pêrulai-Kád Valasa, 1 mile E.N.E. of Minachi Valasa, 4 miles E. by S. of Kángyam, and 2 miles W. by S. of the large village of Virasolapuram: táluk Dhárápura. The station was originally established by Colonel Lambton in 1806 for astronomical observations for latitude. When visited in 1870, the mark was found 18 inches below the ground level: over this a solid pillar of masonry was built, which has no upper mark.	10 59 39·88	77 39 52·98	feet 970	1938 1939
Pachapálayam Temple <i>Putchapolliam Pag.</i>	"	Tall gopuram of the temple about 3 miles E. by N. of Kángyam, 2 miles W. by S. of Papini, and $3\frac{1}{2}$ miles N.N.W. of the large village of Pachapálayam on the high road from Kángyam to Karúr: táluk Dhárápura. 1806. The point was refixed in 1870.	11 1 5·0	77 38 53·7	...	535 536
Padanalam Bungalow <i>Padanallum Bungalow</i>	Travancore State	About $1\frac{1}{2}$ miles N.E. by N. of the sea-port town of Anjengo. 1808.	8 41 20·0	76 48 56·6	...	...
Padanalam h.s. ... <i>Padanallum H.</i>	"	On a hill, about $3\frac{1}{2}$ miles N.E. by N. of the sea-port town of Anjengo. 1808.	8 42 47·17	76 49 38·24	...	1894
Pagalavádi h.s.* ... <i>Puglavaddy H.</i>	Trichinopoly	On the highest part of a small isolated hill, about 20 feet S. of a pagoda, and $1\frac{1}{2}$ miles S.E. of Pagalavádipudupêrumálpálayam on the main road from Trichinopoly to Turaiyúr: táluk Musiri. 1808.	11 4 7·93	78 39 3·85	...	2048
Págtúr Fort <i>Pauktoor</i>	Nizam's Dominions	N.W. angle of the glacis of the fort of Págtúr on the right bank of the Kistna river and on the high road to Kurnool. 1813-14.	16 1 16·4	78 5 58·9	...	894
Págtúr Idgah <i>Pauktoor</i>	"	Central obelisk of the idgah about $\frac{1}{2}$ a mile N.W. by W. of Págtúr Fort. 1813-14.	16 1 35·6	78 5 33·7	...	890 891
Pailbanda Pagoda <i>Pylbunda P.</i>	Anantapur	About $3\frac{1}{2}$ miles S. by E. of Halkur village on the road from Amrapur to Madakasára: táluk Madakasára. 1813.	14 2 31·6	77 3 6·5	...	1337
Pakásura h.s. ...	Nílgi	On a hill, about $\frac{1}{2}$ of a mile S. of the fortified peak at the E. end of the Hulikal or Pakásura ridge directly S. of the Coonoor Ghát valley: revenue division Merkunád. The station is marked by a large circle and dot which was found engraved on a boulder of rock standing 4 to 6 feet above the ground and surrounded by a rough platform of loose stones. 1880.	11 18 49·50	76 52 52·68	6294	1940
Pálagiri Turret <i>Polligherry</i>	Cuddapah	Highest turret in the large village of Pálagiri, about 4 miles W. by S. of the large village of Ánaimalai, and $6\frac{1}{2}$ miles N.W. by W. of Nandimandalam on the road from Cuddapah to Vempalli: táluk Cuddapah. 1812.	14 27 24·7	78 29 8·8	...	1483

\* This point is the same as Pagalavádi Hill Pagoda of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pálamalai, LXIV ... ..	Coimbatore	<i>Vide</i> page 18—A. ... ..	0 1 "	0 1 "	<i>feet</i> 4922 1	85
Pálamalai h.s. <i>Paulamalli S.</i> ... ..	"	On the summit of a well-known hill, about 220 yards N.E. by N. of the principal station of Pálamalai: táluk Bhaváni. The station is marked on the platform of a pagoda. 1803-6.	11 41 33·13	77 46 39·83	4919	1764
Palamcottah Base-line E. End s. <i>Palamcottah Base E. End</i>	Tinnevelly	About 3 miles N. by W. of the town, 4 miles N.E. of Tinnevelly Railway Station on the Branch line to Tuticorin, and 1 mile E. of the road from the latter to Madura: táluk Tinnevelly. The station is denoted by a large stone. 1808-9.	8 46 12·45	77 46 8·23	109	670 671
Palamcottah Base-line W. End s. <i>Palamcottah Base W. End</i>	"	About a mile N.E. of the road from Tēnkási to Tinnevelly, 6½ miles N.W. by N. of the latter, and 1¼ miles W. of the road from Tinnevelly to Sankaranainárkoil: táluk Tinnevelly. The station is denoted by a large mark-stone. 1808-9.	8 46 57·65	77 41 7·27	228	669
Palamcottah Church ... ..	"	Spire of the Támil Mission Trinity Church W. of the town, and S. of the high road to Tinnevelly: táluk Tinnevelly. 1874.	8 43 30·1	77 46 9·1	$\frac{195^*}{69}$	695 696
Palamcottah Flag-staff <i>Palamcottah</i> ... ..	"	In the fort now dismantled, about ¼ a mile E. by S. of Palamcottah Church: táluk Tinnevelly. 1808-9.	8 43 22·3	77 46 43·8	...	672 673
Palamcottah Temple ... ..	"	Centre of the large spire of the temple in the old fort básár: táluk Tinnevelly. 1874.	8 43 21·4	77 46 38·7	...	697 698
Pálavanhalli h.s. <i>Paulanhully H.</i> ... ..	Chitaldroog	On the southern extremity of a small, isolated and red hill, about 1¼ miles E.N.E. of the village of Pálavanhalli, 2¼ miles N.W. by W. of Maradihalli, the same distance S.E. by E. of Kadigère which is ¼ of a mile E. of the high road from Chitaldroog to Hiriyúr, 4¼ miles N.N.W. of the large village of Aimangala on the same road, and 1 mile N.E. of the 115th mile-stone from Hiriyúr: táluk Hiriyúr. The station is denoted by a platform 3 feet high, having a mark in the centre. 1818.	14 9 0·70	76 32 25·94	[2514]	1350 1351
Palchagutta h.s. <i>Putchagutt S.</i> ... ..	Nizam's Dominions	On a hill, about 2 miles S.W. of Lingála village. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . 1818-21.	16 14 46·19	78 31 58·99	1942	880
Pálghát Fort (helio.) ... ..	Malabar	About 3 miles S. of the railway. The point is denoted by a mark on the superior slope of the parapet of the circular bastion at the N.W. corner of the fort. 1874.	10 45 46·76	76 41 51·62	343	1962
Pálghát s. ... .. <i>Paulghat Cherry</i>	"	On the S.W. angle of the fort near the town, and S. of the high road to Pónáni. 1810.	10 45 40·80	76 41 51·65	...	1998 1999

\* To base of spire.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pálkönda No. 1 h.s. ...	Cuddapah	Nearly at the N.W. extremity of the Pálkönda range, about 1½ miles S. of the large village of Komanutala, and 7½ miles W. of Lingáa. It is 4 feet E. of the precipitous edge, and between two large rocks forming here the highest part of the hill, about 160 feet S. of the one and 50 feet N. of the other: táluk Pulivéndla. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . 1871-72.	14 29 11' 50"	78 2 37' 23"	feet 2152	1406
Pálkönda No. 2 h.s. ... <i>Pollcondah S.</i>	"	Nearly at the N.W. extremity of the Pálkönda range, about 50 feet S.E. of Pálkönda No. 1 h.s.: táluk Pulivéndla. The station is denoted by a mark-stone in the centre of a platform. 1812.	14 29 11' 25"	78 2 37' 59"	...	1422
Palkunnu h.s. ... <i>Pulcoonoo</i>	Malabar	On the highest part of a range of hills, about 5½ miles E. by N. of the fort of Tiruwangúr on the high road from Calicut to Tellicherry (Talacheri), and 1 mile N.N.E. of the small village of Wawandar. The station is denoted by a mark-stone. 1808-9.	11 24 15' 91"	75 51 24' 39"	...	1863 1864
Pallakönda Hill Platform ... <i>Pollcondah</i>	Cuddapah	About a mile S. by W. of the place where the railway line crosses the high road from Cuddapah to Siddhavattam, and 3 miles W. by N. of Pëddapalle village: táluk Siddhavattam. 1812.	14 24 59' 23"	78 56 8' 84"	...	1599*
Pallam Church ... <i>Pullum C. Ch.</i>	Travancore State	On the coast, about 5½ miles S. of Kötár on the road from Cape Comorin to Trivandrum, and 8½ miles W. by N. of the former. 1808.	8 5 6' 7"	77 28 42' 1"	...	1914
Pallangkota h.s. ... <i>Vellunkota S.</i>	Tinnevely	On a small hill about 2½ miles W. of the road from Tinnevely to Sankaranainárkoil, and 1½ miles S.W. of Mádhavakurchi: táluk Tinnevely. The station consists of a platform with a mark in its centre. 1808-9.	8 48 14' 74"	77 39 55' 44"	556	664 665
Palmúr Hill Idgah ... <i>Palmoor</i>	Nizam's Dominions	N. minaret of the idgah about a mile S. by W. of Palmúr on the high road from Makhtal to Hyderabad, and ¼ a mile S.W. of old Palmúr. 1818-19.	16 43 45' 6"	78 1 39' 8"	...	869
Palni Hill Temple ...	Madura	Centre of the tallest gopuram of the temple on a small isolated hill about 1½ miles S. by E. of the town of Palni, 2½ miles W. by S. of Áyakudi, and the same distance N.E. of Bálsamudram: táluk Palni. 1870-71.	10 26 14' 6"	77 33 43' 5"	1520	578 579
Palni House (helio.) ...	"	On Mangal Gáwada's house in the N.W. quarter of the town on the Polláchi road, about 50 or 60 yards S.W. of the S.W. corner of the town temple called Périya Naiken. The house is the highest and built of paka masonry on high ground: táluk Palni. The point is marked by a circle and dot engraved on the roof of the house 23 feet above the ground. 1870-71.	10 27 15' 67"	77 32 52' 52"	$\frac{1070}{23}$	577
Pálvoi Hill ...	Anantapur	Highest point of the conspicuous hill, about a mile N.N.W. of Durdakönda fort, 6 miles S.E. of Kalyándrug, and 5 miles S.W. of the high road to Bellary: táluk Dharmavaram. 1870.	14 29 42"	77 13 42"	2615	381 382

\* For two other triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pamidi h.s. ... <i>Paumdy</i>	Anantapur	On a long hill running nearly N.W. and S.E., about 1½ miles N.W. of the large village of Pamidi on the N. bank of the Pénner river where it is crossed by the high road from Gooty to Anantapur: táluk Gooty. The station is denoted by a mark-stone in an elliptical platform. 1811. It was refixed in 1871.	14 57 47·15	77 37 24·08	feet 1675	282 283
Pamidi Pagoda ... <i>Paumdy P.</i>	"	In the large village of Pamidi, and about 1½ miles S.E. of Pamidi h.s.: táluk Gooty. 1811.	14 56 35·9	77 38 3·9	...	839
Pampanúr Hill Pagoda ... <i>Pumpanoor H.P.</i>	"	Centre of the gopuram of the conspicuous pagoda on a range of low hills running N.W. and S.E., about 1½ miles N.N.W. of the village of Pampanúr, 4 miles S. of Kúdligi village, and 13 miles W. of Anantapur town: táluk Anantapur. 1811. The point was refixed in 1870-71.	14 40 10·6	77 27 34·6	1698*	1314 1315
Pamudurti Turret ... <i>Paumdurtee</i>	"	Highest turret of the village of Pamudurti, about a mile S. of the high road to Kadiri, and the same distance W. of a large tank: táluk Pénukónda. 1812.	14 16 4·5	78 0 44·5	...	1566 1567
Pandalagudi s. ...	Madura	On somewhat higher ground than the adjacent fields, said to be by some an old village site and by others abandoned salt beds, about 50 yards from the W. end of the village of Pandalagudi, the same distance W. of a stone temple, and 80 yards S.W. of another: firka Tirushuli. The station consists of a solid pillar of masonry in the shape of a Greek cross, about 3 feet high and 2 feet square, surrounded by a heap of earth forming an irregular platform, which contains a mark engraved on its upper surface in the S.W. corner. The station was originally established in 1870-71 for Astronomical observations for latitude. When visited in 1874, the station was found in good order; it was closed with a pyramidal pillar 6 inches high, and the whole covered with a pile of earth and stones.	9 23 27·70	78 8 21·29	$\frac{217}{3}$	646 647
Pandalakotamalai h.s. ... <i>Pandalakotamalli</i>	Travancore State	On a hill, about 8 miles N. of Trivandrum on the road from Cape Comorin to Quilon. 1808.	8 36 18·44	76 57 57·98	...	1892 1893
Pandalúr h.s. ... <i>Pundaloor H.</i>	Malabar	On a high range of hills lying N.W. and S.E., about 1½ miles N. of the high road from Pálghát, 2½ miles W. of Nimmani, and 2½ miles N.W. by W. of Mangadda. The station is marked by a circle engraved on the rock <i>in situ</i> . 1808-9.	11 2 56·45	76 13 7·29	...	1853 1854
Pangadigutta Hill Mark ... <i>Pungadeegutt</i>	Nizam's Dominions	On a hill, about a mile N. by W. of the small village of Narlapur on the road to the town of Jatpol, and 4½ miles N.N.E. of Yéllúr on the same road. 1818-19.	16 11 17·49	78 25 20·66	...	895 896
Pángal Building ... <i>Paungul</i>	"	In the town. 1813-14. ...	16 14 51·8	78 10 22·4	...	886 887
Papiréddipálayam Hill Temple ... <i>Pustamalli</i>	Coimbatore	Large gopuram of the temple on a low hill, midway between the village of Papiréddipálayam and the high road from Kángyám to Dhárápúram, about 3½ miles S. by W. of the former, and ½ of a mile N.E. of the village of Sinna Kadaiyúr: táluk Dhárápúram. 1808. The point was refixed in 1870.	10 56 39·5	77 35 6·3	952	1951 1952

\* To top of gopuram.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Paramati h.s. ... <i>Parmutty H.S.</i>	Coimbatore	On a pagoda on the summit of a small isolated hill about 1½ miles N.E. by N. of the village of Paramati at the junction of the high roads from Palladam, Erode and Karúr, and 2½ miles S. of Kuppam on the high road to Erode: táluk Karúr. The station is marked by a small hollow cut on the platform, about 30 feet S.W. of the tower of the pagoda. 1808-9.	10 58 24·93	77 57 49·72	feet 833	1945 1946
Paramati Hill Temple	"	Probably the highest point of the same temple on which Paramati h.s. is situated: táluk Karúr. 1870.	10 58 24·9	77 57 50·0	832	537 538
Pargi h.s. ... <i>Purgy H.S.</i>	Nizam's Dominions	On the southernmost of a mass of hills, about 3 miles N.E. by N. of Pargi on the road from Tándúr to Hyderabad, and 8½ miles S. by W. of Gangávaram Station of the Nizam's State Railway. The station is denoted by a platform with a mark-stone in its centre. 1814-15.	17 12 32·86	77 56 50·54	2365	167 168
Parmánanda Hill Pagoda <i>Permununda H.P.</i>	"	Highest spire of a rather large pagoda on a conspicuous hill, about a mile S.W. by S. of Bënnakanhalli, and 6 miles N. by E. of Kakeri. 1816-17.	16 27 59·4	76 39 26·0	...	1203 1204
Parmánanda h.s. ... <i>Permununda H.S.</i>	"	About the centre of a short range of hills, ¼ a mile N. of the road to Kavital and 6¼ miles E. by N. of it. 1816-17.	16 7 2·24	76 56 35·92	...	1081 1082
Parnapalle Fort <i>Parnapilly</i>	Cuddapah	S.E. angle of the fort near the village of Parnapalle on the right bank of the Chitrávati river where it is crossed by the cart-track from Anantapur to Pulivéndla, and about 1½ miles S. by E. of Dáditota village: táluk Pulivéndla. 1812.	14 34 7·7	78 0 46·3	...	1484
Paruttimalai, LXXIV <i>Parteemalli S.</i>	Madura	<i>Vide page 20—A. ... ..</i>	10 39 55·16	77 37 5·99	$\frac{1255}{2}$	97
Parva Devarapilli Hill Pagoda ... <i>Purvadavurpilly H.P.</i>	Anantapur	On a low rock, about ¼ a mile S.W. of the village of Parva Devarapilli, 8 miles N.W. of Kúmúttúr, 2 miles S. of Marúr, and 7 miles N.W. of Dharmavaram: táluk Dharmavaram. 1812.	14 27 45·5	77 40 25·3	...	880
Patanchëru Dargah ... <i>Puttuncherreo</i>	Nizam's Dominions	Close S. of the large village of Patanchëru on the road to Hyderabad, and about 5 miles N.W. of Lingampalle Station of the Nizam's State Railway. 1817-18.	17 31 46·9	78 18 8·6	...	755 756
Patnam Fort... <i>Paitherlapilly Putnum</i>	Cuddapah	About ¼ a mile E. of the high road from Kadiri to Bellary, and 9½ miles N.N.W. of the former: táluk Kadiri. The point is denoted by a mark cut on the high round bastion on the W. side of the fort. 1812.	14 13 58·79	78 8 12·96	...	1623 1624
Pattikõnda s. <i>Patticonlah</i>	Kurnool	Between the N.W. and S.E. blocks of the town of Pattikõnda, close W. of a large tank, and E. of the high road to Ádoni: táluk Pattikõnda. 1813-14.	15 23 36·46	77 33 1·01	...	265 266

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pávagada, XXXIII ... <i>Paughur S.</i>	Túmkúr	<i>Vide page 12—4.</i> ... ..	0 1 " 14 6 15'39	0 1 " 77 19 9'61	<i>feet</i> 3022 10	41 45
Pëddaballi Fort ... <i>Peddapilly</i>	Cuddapah	S.E. angle of the fort of the village of Pëddaballi on the road to Madanapalle, about 1½ miles N. of the Pápaghni river, 5 miles S. by W. of the large village of Nambula Pulikunta, and 8 miles E.N.E. of Kokkanti: táluk Kadiri. 1812.	13 58 59'5	78 26 4'7	...	1492
Pëddabod Hill Platform ... <i>Peddabode</i>	"	About 3½ miles E. of Vanipënta village, and 5 miles N. by E. of the large village and police station of Nandiálampet close to the high road from Prëddutúr to Badvei: táluk Prëddutúr. 1812.	14 47 17'8	78 52 23'3	...	1580
Pëdda Chëppalli Pagoda ... <i>Pedda Chapilly P.</i>	"	About 4 miles S.W. of Kamalápuram Railway Station, 3½ miles N. by E. of Matsanúr village, and 1½ miles N.E. of Chinna Chëppalli h.s.: táluk Cuddapah. 1812.	14 33 0'3	78 39 59'4	...	1595
Pëdda Hotúr Fort ... <i>Budda Hothoor</i>	Bellary	Flag on the gate-way of the fort in the village of Pëdda Hotúr on the main road from Bellary to Kurnool, about 5 miles N.E. of the town of Álúr, and the same distance W. by S. of Áspari Station on the N.W. Line of the Madras Railway: táluk Álúr. 1813-14.	15 26 28'6	77 19 24'7	...	...
Pëdda Hotúr Pagoda ... <i>Gudda Hothoor P.</i>	Anantapur	About 2½ miles S.E. by S. of Chayabala, 5½ miles W. by S. of the large village of Karúr on the high road from Guntakal, and 2½ miles S.W. of Pottápád: táluk Gooty. 1811.	15 0 41'4	77 20 39'6	...	327
Pëdda Kotla Fort ... <i>Peddacollah</i>	"	S.W. angle of the fort on the left bank of the Chitrávati river, about 4½ miles E. by S. of Tádvari, and ½ of a mile N.W. of Chinna Kotla Fort: táluk Anantapur. 1812.	14 32 59'8	77 58 46'5	...	1447 1448
Pëdda Kotla h.s. ... <i>Peddacollah H.</i>	"	On a hill, about 2 miles N.N.W. of Pëdda Kotla Fort, and 4½ miles E. by N. of Tádvari: táluk Anantapur. 1812.	14 34 51'39	77 57 48'99	...	1430 1431
Pëdda Kurwa h.s. ... <i>Peddacoorwa S.</i>	Kurnool	On the highest hill at the N.W. extremity of the Nallamalai range, about 3½ miles N.N.E. of the large village of Músalimadugu, and 5½ miles N. by W. of Gokavaram: táluk Nandikotkúr. The station is denoted by a mark-stone in the centre of a platform. 1812.	16 0 58'76	78 30 44'59	2056	831
Pëddapád s. ...	Nizam's Dominions	On undulating ground, about 400 yards N.N.E. of the village of Pëddapád, 1½ miles S.W. of the Kistna river, and 5½ miles N.W. of Gadvál. The station consists of a solid isolated pillar of masonry, 4½ feet in height, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. In 1872 astronomical observations for latitude were taken at this station. 1871.	16 17 20'38	77 46 57'72	$\frac{1090}{3}$	184 185
Pëddapalli Fort ... <i>Peddapilly</i>	Anantapur	S.E. angle of the fort about ¼ of a mile E. of the main road from Bangalore to Dharmavaram, 1½ miles S.S.E. of Battalapalli village on the same road, and close to the W. bank of the Chitrávati river: táluk Pënkónda. 1812.	14 3 30'7	77 49 21'8	...	1502

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pëddarangapuram, XCIX	... Tinnevely	<i>Vide page 26—A.</i> ... ..	0 1 " 8 15 46'03	0 1 " 77 41 39'72	$\frac{\text{feet}}{194}$ 2	140 141
Pëdda Tëppasamudram Fort <i>Pëdda Tëpsundrum</i>	... Cuddapah	Turret at the S.W. angle of the fort in the village of Pëdda Tëppasamudram on the high road to Kotta-kota and about 5 miles N.W. of it: taluk Madanapalle. 1812.	13 42 38'5	78 14 59'0	...	1669 1670
Pëdda Tumbalam Pagoda <i>Budda Toomul</i>	... Bellary	Tower of the pagoda of Pëdda Tumbalam fort on the high road from Adoni to Raichur, and about 2½ miles E. of the railway line: taluk Adoni. 1813-14.	15 45 46'9	77 18 8'5	...	268
Pemalai, LXXXII	... Tinnevely	<i>Vide page 22—A.</i> ... ..	9 33 9'70	77 33 35'09	$\frac{5581}{1}$	106
Pënnagaram Fort <i>Pennagra</i>	... Salem	About ¼ a mile S.E. of Pënnagaram, and 1 mile E.N.E. of Matam village: taluk Dharmapuri. 1813.	12 7 49	77 56 39	...	...
Pënnamale h.s. <i>Pennamulla</i>	... Kolár	On the summit of a conspicuous hill, about 1½ miles N.E. by E. of the village of Pënnamale, 1½ miles E. by N. of Mákiraddipalli, the same distance N.E. by N. of Balraddipalli, and 7 miles E. by N. of the town of Bágenhalli: taluk Bágéppalli. The station is denoted by a mark in a platform. 1812.	13 47 53'23	77 56 6'18	[3943]	1677 1678
Pënuködnda Hill Fort (helio.)	... Anantapur	On a high hill called Bangárugundakönda, about ¼ a mile S.W. of the town of Pënuködnda at the E. foot of the hill and W. of the high road to Bangalore: taluk Pënuködnda. The point is marked by a circle and dot engraved on a large stone embedded in masonry in the centre of the N. bastion of the fort called Bárápatri, immediately above a bungalow. 1870.	14 4 35'33	77 37 43'14	3088*	383 384
Pënuködnda h.s. <i>Pencondah</i>	... "	On a high hill, about ¼ a mile S. by W. of Pënuködnda Hill Fort (helio.): taluk Pënuködnda. The station is denoted by a mark cut on a remarkable tree. 1812.	14 4 9'78	77 37 38'81	[3084]	307 308
Përamalai Stone <i>Perramalli</i>	... Madura	Large stone on the eastern peak, about a mile N. by E. of the village of Përamalai, and 17 miles N.N.E. of Melúr on the high road from Madura to Trichinopoly. 1809.	10 14 40	78 29 23	...	†
Përamkota h.s. <i>Peramakotah S.</i>	... Travancore State	On a long ridge of hills running nearly E. and W., about 10½ miles E. of Kamala on the road to Anjengo. The station consists of a platform of earth and stones, with a large mark-stone in its centre. 1808-10.	8 46 37'41	77 8 41'12	3541	1835
Përiya Drug <i>Mulliamma Dr.</i>	... Coimbatore	On a high range of hills, about 8 miles N.E. of Satyamangalam, 2½ miles S. by E. of Kalkadambur, and 4½ miles N.N.E. of Sellipálaiyam: taluk Satyamangalam. 1810.	11 35 7	77 22 25	...	...

\* To stone in centre of N. bastion of fort.

† For triangles fixing this point, see the Synoptical Volume of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pēriyakulam s. ... ..	Madura	On a bungalow—the Pámam travellers' rest-house—about $\frac{1}{4}$ a mile N.E. of the town on the high road from Kambam to Dindigul, $7\frac{1}{4}$ miles N.E. of Alinagaram, and 7 miles W. by S. of Devadanapatti, both on the same road: táluk Pēriyakulam. The station is marked by a circle and dot engraved on the centre of the flat roof 20 feet above the ground. 1871.	0 1 " 10 7 39'78	0 1 " 77 35 41'30	$\frac{954}{20}$	613 614
Pēriyúr, LXXXIV ... .. <i>Perriormalli S.</i>	Tinnevelly	<i>Vide page 23—4</i> ... ..	9 12 12'98	77 32 12'60	$\frac{1384}{2}$	109
Pērumálmalai, LXXVIII ... ..	Madura	<i>Vide page 21—4</i> ... ..	10 17 53'28	77 36 21'66	$\frac{7329}{1}$	99 102
Pērumálmalai h.s. ... .. <i>Permaul H.</i>	"	On a hill, about 29 feet S. by E. of the principal station of Pērumálmalai: firka Kōdaikámal. The station is denoted by a large stone in the middle of an old cairn. 1808.	10 17 53'00	77 36 21'72	7312	2001
Pērumálmudi h.s. ... .. <i>Maymoody H.</i>	Coimbatore	On a hill, about $3\frac{1}{4}$ miles S.W. of Vírappandi which is a little N. of the high road to Coimbatore, and 11 miles W.N.W. of the latter: táluk Coimbatore. The station is denoted by a mark in the centre of a large stone. 1808-9.	11 3 10'81	76 50 48'99	...	1971
Perúr Pagoda ... .. <i>Payroor P.</i>	"	In the village of Perúr on the high road from Alanturai to Coimbatore, and about 3 miles S.W. of the latter: táluk Coimbatore. 1808-9.	10 58 28'3	76 57 25'4	...	1998
Pērusomala Pagoda ... .. <i>Pairsomlah P.</i>	Kurnool	In the village of Pērusomala, about $\frac{1}{4}$ of a mile E. of Kotapád, and 4 miles N.E. of Timmanáyanipet village: táluk Koilkuntla. 1811.	15 3 28'8	78 14 55'6	..	1538
Pesiduvaripalli h.s. ... ..	Cuddapah	On the N. extremity of a low rugged hill, about $8\frac{1}{2}$ miles S.W. by W. of Cuddapah town, and $2\frac{1}{4}$ miles in the same direction from Chintákōmmadinne: táluk Cuddapah. The station consists of a platform of earth and stones, 9 feet square and $2\frac{1}{4}$ feet high, with a mark-stone embedded in its surface. 1871-72.	14 24 50'09	78 45 5'82	663	1411
Piadádindikōnda Hill Peak ... ..	Anantapur	Centre of a rock on the highest part of one of a group of hills, about 4 miles S.W. of the town of Dharmavaram, the same distance N.N.E. of Nágasamudram, and $\frac{1}{4}$ a mile W. of the high road from Dharmavaram: táluk Dharmavaram. 1871.	14 22 17	77 43 12	1840	1414 1415
Pialmudi s. ... ..	Nizam's Dominions	On rising ground, 160 feet S.E. of a temple, about $\frac{1}{4}$ of a mile S.S.W. of the village of Pialmudi, $2\frac{1}{4}$ miles in the same direction from Kodangal town, and $3\frac{1}{4}$ miles N.W. by W. of Husainabad. The station is marked by a circle and dot cut on a stone $2\frac{1}{4}$ feet long and 2 feet broad. Astronomical observations for latitude were taken at this station. 1872.	17 4 6'05	77 38 49'24	$\frac{1869}{3}$	171 172
Pikili Hill Mark ... .. <i>Peekly Intersection</i>	Salem	On the S.E. side of a mass of hills, about $2\frac{1}{4}$ miles N.W. of Alamardahalli village on the main road from Pálakod to Pēnnagaram, and the same distance S. by W. of Malláyúr: táluk Dharmapuri. 1803.	12 11 57'61	78 2 52'81	...	1749

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pikili h.s. ... <i>Peckly H.</i>	Salem	On a hill, about 3 miles N.E. by E. of the village of Pikili, 1½ miles W. of Tomalapalle, and 3¼ miles S.W. by S. of Pálakod town which is close to the junction of the roads from Dharmapuri and Pénngaram to Ráyakota: táluk Dharmapuri. The station is denoted by a mark in the centre of a platform of stones. 1803.	0 1 " 12 15 34' 40	0 1 " 78 5 15' 81	<i>feet</i> ...	1740
Pilarimalai Hill, Rev. Survey s.	...	<i>Vide</i> Shevaroy Hills, No. 2 Revenue Survey s. ...	...	...	...	...
Pillikárinji Hill Mark <i>Pillicourinjee H.</i>	Travancore State	On a hill, about 11¼ miles N.E. of Trivandrum on the road from Cape Comorin to Quilon. 1808-9.	8 37 12' 24	77 6 49' 14	...	1899 1900
Pillikulam Church ... <i>Pillikolum O. Oh.</i>	Tinnevelly	Cross on the N. pediment at the E. corner of the Roman Catholic church in the village of Pillikulam near the coast, and about a mile E. of Përumanal village: táluk Nánguneri. 1808-9.	8 9 33' 8	77 42 4' 9	...	714
Pinnakáyal Church ...	"	Cross at the W. end of the S. church near the mouth of the Támbraparni river, and about 3¼ miles E. of Attúr village: táluk Ténkarai. 1874.	8 37 49' 7	78 9 32' 5	...	723
Pípád h.s. ...	Cuddapah	On the highest hill on the Pálkönda range, about ¼ of a mile W. by S. of an old fort, 1½ miles E. of the village of Pípád, and 4 miles N.N.W. of Kurli which is close W. of the road from Kadiri to Pulivéndla: táluk Kadiri. The station consists of a platform of stones and earth 2½ feet high, with a mark-stone embedded in its surface. 1872. NOTE.—As Colonel Lambton's station of Pyepaud Dr. S. (fixed in 1812) which was close, has disappeared, all his observations have been referred to this station.	14 19 55' 65	78 12 51' 60	2285	1407
Pírapur Platform ... <i>Platform</i>	Nizam's Dominions	On high ground, about ¼ a mile W. of the village of Pírapur, 1½ miles N.E. of Buntanúr, and 1½ miles S. of Nírligi. 1816-17.	16 34 36' 53	76 26 25' 21	...	1202
Pírlagat, XIV	"	<i>Vide</i> page 8—A. ...	16 51 34' 74	77 21 5' 31	$\frac{2261}{3}$	17 21
Pöchamagat, IX <i>Pochamagutt S.</i>	"	<i>Vide</i> page 7—A. ...	16 57 34' 27	77 58 37' 61	$\frac{2351}{3}$	18
Poiyakota s. <i>Poyacottah</i>	Cochin State	Near the village of Poiyakota which is close E. of the Përiyár river, about 2 miles N.E. of the town of Kran-ganúr, and 2 miles E. of the high road to Kodangalúr. 1810.	10 12 43' 63	76 16 45' 80	...	1881 1882
Pönáni Tree <i>Paniany</i>	Malabar	Near the large town of Pönáni on the coast and at the mouth of the Pönáni river: táluk Pönáni. 1810.	10 46 45	75 57 49	...	...
Pönivádi Hill Temple...	Coimbatore	Táluk Dhárápúram. 1871. ...	10 42 16' 9	77 40 58' 7	...	555

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Ponkonal s. ... <i>S. End of the Base</i>	Travancore State	About a mile N. by E. of the village of Ponkonal, 3½ miles E. of Kilivellú on the high road to Quilon, and 2½ miles S.E. of Përunád. 1809-10.	8 55 33·25	76 42 58·52	feet ...	1886
Pönmalai h.s. ... <i>Punmalli S.</i>	Cochin State	On the S. end of the flat rocky summit of a low hill, about a mile S. of Chündalpára village, ¼ a mile N. of the Malabar boundary, and 4½ miles E. by N. of Chávakád in Malabar: táluk Tálapilli. The station as originally established by Colonel Lambton in 1810 was marked by a long pin on a regular circular platform, about 5 or 6 yards from the W. edge of the rock, 12 to 15 yards from the S. edge, and 20 to 25 yards from the E. edge. When visited in 1879-80, a circular mound of earth was found from 10 to 15 feet in diameter and 6 to 8 feet high, but no trace of the pin. On excavating in the centre of the round platform down to the rock, a small round hole half an inch in depth was found in the middle of the base of another round hole about 6 to 8 inches in diameter and a little less in depth, and was used as the station mark.	10 36 3·31	76 8 48·90	216	1822
Pönnakal Hill Dargah <i>Ponakul H.</i>	Kurnool	On a small isolated hill about ¼ a mile W. by N. of the village of Pönnakal, 2 miles W.N.W. of Gúdur, 1½ miles S.S.E. of Julakal, and 2½ miles S.W. by S. of Mallapuram: táluk Rámallakot. 1813-14.	15 47 4·3	77 49 17·9	...	256
Pönnásibëtta, LIX ...	Coimbatore	<i>Vide page 17—4. ... ..</i>	12 8 16·98	77 41 11·33	$\frac{4968}{2}$	79
Pönnásibëtta h.s. ... <i>Ponnasemalli S.</i>	"	On the northernmost of three points, the central and highest being occupied by the principal station of Pönnásibëtta: táluk Kóllegál. The station is denoted by a mark-stone in the middle of a platform. 1803-6.	12 8 41·60	77 41 13·00	4891	1762
Ponúrikimalai h.s. ...	Madura	On a conspicuous peak in the S.E. portion of the Sirumalai hills, about ¼ of a mile S.S.W. of the principal station of Kalugumalai, 1½ miles W. by N. of the Sub-Collector Mr. Arbuthnot's hut in the ravine at the head of the Tënmalai plateau, and 5½ miles N.E. by N. of Kulasegarankota village which is about a mile E. of the high road from Dindigul to Madura: táluk Dindigul. The station is marked by a circle and dot cut on the rock <i>in situ</i> . 1871.	10 9 38·61	78 2 59·17	4459	597. 598
Pránakod No. 1 h.s. ...	Malabar	On the highest point of a long and comparatively low range of hills running E. and W., about 1½ miles N.N.W. of Tayakád village on the main road from Angádipuram to Mannár, and 4½ miles E. of the former: táluk Walawanád. The station is marked by a circle and dot engraved on a large stone firmly embedded in the earth, around which a small platform of earth and stones was raised. 1872-74.	10 58 44·23	76 20 0·46	1786	1816
Pránakod (No. 2 h.s. <i>Paranakoda</i>	"	On the same spur of the hill on which Pránakod No. 1 h.s. is situated, and about 165 yards N.E. by E. of it: táluk Walawanád. 1808-9. In 1872 the station was found to consist of a large pile of earth and stones very solidly constructed: when again visited in 1874, the pile was dug into, and at a depth of 5 feet a large stone of great weight was found, having a circle and dot roughly cut on it.	10 58 46·58	76 20 4·82	...	1849 1850



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pratimkōnda Hill Mark <i>Prattimcondah</i>	Anantapur	On a hill, about 4 miles E.N.E. of Perúr on the high road from Bellary, and 1½ miles W. of Gadikunta village: táluk Dharmavaram. The point is denoted by a mark in a platform. 1811.	14 22 35.23	77 26 52.99	feet ...	1816 1317
Prōddutúr Pagoda ... <i>Ramsserum Poodatoor P.</i>	Cuddapah	About a mile W. by S. of the town of Prōddutúr, ¼ a mile from the left bank of the Pēnner river, and 3¼ miles E. of the village of Chinna Dandlúr: táluk Prōddutúr. 1812.	14 44 31.9	78 34 40.9	...	1590
Pudúr h.s. ...	Kurnool	On a low hill, about 1½ miles S.S.E. of the village of Pudúr which is close to the right bank of the Tungabhadra river, 3 miles N. of Gadidemadugu on the road from Kurnool to Nandikotkúr, and 3¼ miles W. by N. of Bapanakotkúr on the same road: táluk Nandikotkúr. The station consists of a platform 10 feet square and 4 feet high, with a circle and dot engraved on a triangular slab of granite embedded in the centre: there is no lower mark. 1872.	15 49 28.77	78 11 26.75	IIII	1019
Púgalúr Hill Pagoda ... <i>Poogooloor H.P.</i>	Ooimbatore	Tower of the pagoda on a small isolated hill on the high road from Púgalúr Railway Station to Námakal, and about 2 miles N. by E. of the former: táluk Karúr. 1808.	11 42 1.3	78 2 30.8	...	2056*
Púgalúr Hill Temple ...	"	Highest of five white buildings, and close to Púgalúr Hill Pagoda: táluk Karúr. 1870-71.	11 42 1.6	78 2 30.2	678†	533 534
Pukunnu s. ...	Malabar	On a low broad hill, about 1½ miles E. of Walawanád, 3¼ miles in the same direction from Calicut, and 5½ miles N. by E. of the Railway Station of Beypore: táluk Calicut. The station is denoted by a mark-stone embedded on the top of the hill. 1872.	11 14 24.76	75 51 49.71	273	1813
Pulagal Fort ... <i>Poolacul</i>	Kolár	S.E. angle of the fort about ¼ a mile N.E. by N. of the village of Pulagal, 2½ miles S. by W. of Chákavel, and 1½ miles W. by S. of Sajalvárpalli: táluk Bágépalli. 1812.	13 47 9.6	78 8 2.3	...	...
Pulagampalli Pagoda ... <i>Pullumbunda P.</i>	Cuddapah	On the main road to Kadiri town and 7 miles S.W. of it: táluk Kadiri. 1812.	14 4 40.1	78 6 28.0	...	1625
Pulgurkote Fort ... <i>Poologoorcottah</i>	Kolár	S.W. angle of the fort in the village of Pulgurkote, about ¼ a mile S.E. of the small village of Muddēpalli, ¼ of a mile N.E. by E. of Manchuváripalli, 2½ miles W. of Jaklopalli, and 5 miles E. by N. of Upparpalli village: táluk Chintámani. 1812.	13 25 46.2	78 24 3.0	...	1692‡
Puliangudi Hill Peak ...	Travancore State	Easternmost and highest point of a triple peak towards the S. end of the range of hills dividing Travancore from Tinnevely, about 10 miles W. of the town of Puliangudi on the high road to Tēnkási, 8 miles N.W. of Chokampati village, and 10 miles N.E. of Achinkoil. 1873-74.	9 11 16	77 17 16	6335	638 639
Pulikál Hill Redoubt ... <i>Poolicul</i>	Nizam's Dominions	High redoubt on a small hillock about ¼ of a mile S. of the village of Pulikal, the same distance N. of the left bank of the Tungabhadra river, and 1½ miles N.E. of Nágaldinne fort. 1812.	15 55 35	77 37 11	...	...

\* The co-ordinates have been deduced from this triangle only, vide foot-note on page 122—A. this point, see the Synoptical Volume of the Madras Longitudinal Series.

† To top of building.

‡ For another triangle fixing

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Pulikōnda, XXIII ... <i>Poolycondah S.</i>	Kurnool	<i>Vide page 10—A.</i> ... ..	15 28 8.62	77 38 23.65	<i>feet</i> 1797 17	82
Pulikōnda Hill Bastion <i>Pullycondah</i>	Anantapur	Close to Pulikōnda Hill Tower: táluk Gooty. 1811. ...	15 5 44.9	77 24 59.8	...	...
Pulikōnda h.s. ... <i>Poolycondah</i>	Cuddapah	On the E. summit of an isolated hill, about 3 miles N.E. by N. of Kōttapalle village on the main road from Madanapalle to Burrakáyalkota, and 1 mile W. of Rámaganipalli village: táluk Madanapalle. 1812.	13 42 45.03	78 28 40.77	...	1517 1518
Pulikōnda Hill Tower	Anantapur	A ruined tower on a hill, about 4½ miles N. of Karúr village, and 5½ miles S. by W. of Guntakal Railway Station: táluk Gooty. 1871.	15 5 33.0	77 25 17.2	2175*	353 354
Pulivēndla Fort <i>Poolavaindlah</i>	Cuddapah	S.W. angle of the fort near the town: táluk Pulivēndla. 1812.	14 25 14.0	78 16 15.9	...	1482
Pulivēndla Pagoda ... <i>Poolavaindlah</i>	"	About ¼ of a mile W.S.W. of the town, and the same distance E.S.E. of Bráhmañapalle village: táluk Pulivēndla. 1812.	14 24 51.8	78 15 7.7	...	1480 1481
Pulivēndla Temple (helio.)	"	In the town: táluk Pulivēndla. The point is marked by a circle and dot engraved on the roof of Ankálamma temple. 1872.	14 25 15.94	78 15 57.56	883	1418 1419
Pullampati Foundry ...	Salem	Chimney of the old Iron Foundry on the main road from Satyamangalam to Iddapádi, and about a mile N. of Putúr village: táluk Tiruchēngod. 1869.	11 39 13.8	77 48 20.9	...	494
Pulláváli, LXXXVIII	Tinnevelly	<i>Vide page 24—A.</i> ... ..	8 42 20.56	78 11 18.01	$\frac{29}{1}$	118
Pulmámbi Hill Pagoda <i>Pulmaumdy</i>	Nizam's Dominions	About a mile E. of the village of Pulmámbi on the road to Makhtal town, and 8½ miles N.E. of the latter. 1813-14.	16 35 13.1	77 38 53.9	...	196 197
Pulwodaiyár Hill Pagoda <i>Poolah Wodear H.P.</i>	Tinnevelly	White and highest spire of a small pointed pagoda on a rocky hill, about 2½ miles N.E. by E. of Sivaliperi, and 1½ miles N. of the road from Palamcottah to Tuticorin: táluk Tinnevelly. 1808-9. It was refixed in 1874.	8 48 30.8	77 53 1.3	270	674 675
Pundimúdi Hill Mark <i>Pondymoody S.</i>	Cochin State	On a remarkable peak at the W. extremity of the Áñaimalai hills, about 3 miles E. of the village of Poikád, and 3½ miles S. of the Madura district boundary. The point consists of a platform with the stump of a tree in its centre, supported by a pile of stones. 1810.	10 24 3.33	76 33 58.48	3626	1824
Punnæ Observatory, CIV <i>Punnæ S.</i>	Tinnevelly	<i>Vide page 27—A.</i> ... ..	8 9 27.79	77 40 2.51	$\frac{48}{1}$	142

\* To top of drug.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Purakád h.s. ... ..	Malabar	On a low hill near the coast, about 4 miles N.W. of Koilandi, and $\frac{1}{2}$ a mile N.W. of Viyamangalam. The high road to Vadakarai passes between the hill and the sea: táluk Kurumbranád. 1872-73.	0 1 " 11 28 30·61	0 1 " 75 41 26·62	feet 256	*
Puralgudda h.s. ... .. <i>Poorodgootah</i>	Salem	On one of a group of small detached hills, about $\frac{1}{2}$ of a mile S. by E. of Pallipati village, $1\frac{1}{2}$ miles N. of Pöttaneri, and 2 miles N.W. of Mecheri: táluk Salem. 1811-14.	11 50 40·12	77 57 8·32	...	1755
Pushpagiri h.s. ... .. <i>Poospagherry</i>	Cuddapah	Nearly at the S. extremity of Pushpagiri hill which is about $1\frac{1}{2}$ miles in length and runs N. and S. The hill is well known on account of the temples on it. The Pénner river flows along its southern base. The station is about $1\frac{1}{2}$ miles S.E. of Kotúr village on the left bank of the above-named river, and $3\frac{1}{2}$ miles N.W. of Chénnúr on the road from Cuddapah to Patúr: táluk Cuddapah. When visited in 1872 the station was found to consist of a platform of stones and earth, 3 feet high and 11 feet square, on the top of Colonel Lambton's station of the same name, which is in the form of a bastion about 12 feet high and 21 feet in diameter. The new mark (Colonel Lambton's could not be found) is on a stone embedded in the surface of the platform. 1812.	14 35 33·04	78 48 30·37	$\frac{756}{15}$	1412
Pútaparti Fort ... .. <i>Pootapurtee</i>	Anantapur	S.E. angle of the fort on the bank of the Chitrávati river, close N. of the village of Pútaparti, and about 2 miles S. by E. of Bukkapatnam on the high road from Pénukónnda: táluk Pénukónnda. 1812.	14 10 11·1	77 51 8·6	...	1503
Puthu Isalahalli s. ... .. <i>Yeecheelputty</i>	Salem	Close to the village of Puthu Isalahalli, and $3\frac{1}{2}$ miles N.W. of Tóppúr on the main road from Salem: táluk Dharmapuri. 1802-6.	11 58 14·69	78 4 3·39	...	1759 1760
Putúr Hill Pillar ... .. <i>Poottoor H.</i>	Madura	On an isolated hill, about 3 miles S.E. of the junction of the roads from Ándipati, Sríviliputúr and Madura, and $\frac{1}{2}$ a mile N.E. of Áyanmettupati: táluk Tirumangalam. 1808-9.	9 55 30·71	77 51 40·93	...	2030 2031
Pyápali Platform ... .. <i>Paepilly Dr.</i>	Kurnool	At the S. corner of the town on the high road from Gooty to Kurnool, and about $\frac{1}{2}$ a mile S.W. of its junction with that to Banganapalle: táluk Patikónnda. 1813-14.	15 14 0·99	77 47 1·94	...	286
Quilon Flag-staff ... .. <i>Quilon</i>	Travancore State	In the town on the coast. 1809. ... ..	8 53 20·5	76 37 2·2	...	1890 1891
Ráchálbanda Tower ... .. <i>Rajilbundah</i>	Nizam's Dominions	Or high turret on a flat rock in the small village of Ráchálbanda, about $\frac{1}{2}$ of a mile N. of the Tungabhadra river, and $8\frac{1}{2}$ miles W. by N. of the Tungabhadra River Station on the N.W. Line of the Madras Railway. 1813-14.	15 57 44·6	77 13 1·6	...	1051 1052
Rácharlu h.s. ... .. <i>Racherlah H.</i>	Támkúr	On a hill, about $3\frac{1}{2}$ miles E. by N. of Tirmani, $1\frac{1}{2}$ miles E. of the high road from Bellary to Pénukónnda, $3\frac{1}{2}$ miles N.E. of Radérpalli, and $3\frac{1}{2}$ miles E. by S. of the large village of Rácharlu: táluk Pávagada. The station is denoted by a mark in a platform. 1812.	14 14 55·29	77 32 20·00	...	304

\* For triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Ráchēnhalli s. ... ..	Bangalore	On the straight line from the S.W. End to the N.E. End of the Bangalore Base-line, being 2½ miles from the latter, on the rising ground between the villages of Ráchēnhalli and Tancisandra, about ¼ of a mile E. of the former, ¼ a mile W. by N. of the latter, 2½ miles N.E. of Hēbbal on the high road from Devanhalli to Bangalore, and 5 miles N.N.E. of Bangalore Cantonment Railway Station: táluk Bangalore. The station is denoted in precisely the same manner as the South-West-End Station of the Bangalore Base-line, the pyramidal mark-stone being sunk in a well and surrounded by concrete, but having its top rising about 12 inches above the well in which it is sunk. A circular isolated pillar is built over the mark, the latter being protected as usual by a hollow stone cap. A second mark is engraved on the pillar in the normal of the lower mark and 2 feet 3 inches above it. To protect the pillar and its mark, stone slabs have been placed over the whole, resting on the annulus wall, so as not to touch the pillar at all. These slabs form a circular platform 5 feet in diameter, and 9 inches high, having two lines cut into it intersecting over the mark. A pyramid of cut stones surmounts the platform. 1867-68.	13 3 21' 91"	77 40 8' 92"	feet 2952*	1729 1730
Rádkōnda h.s. ... .. <i>Rowdicoonda H.S.</i>	Nizam's Dominions	On a detached hill immediately W. of the town on the road from Sindhnūr town to Tungabhadra river, and about 6¼ miles S. of the former. 1816-17.	15 40 48' 61"	76 48 32' 82"	...	1062
Rádhápūram, XCII ... ..	Tinnevely	<i>Vide page 24—A.</i> ... ..	8 16 59' 44"	77 44 34' 89"	$\frac{170}{10}$	121 136 187
Ragulapád Hill Pillar <i>Baugulpáud</i>	Anantapur	On the middle of a short range of hills, about ¼ of a mile S. of the village of Ragulapád, 1¼ miles S.E. of the high road from Guntakal to Uravakōnda, and 1¼ miles E. by N. of Kadamalakunta village: táluk Gooty. 1811.	14 58 22' 91"	77 23 52' 57"	...	328
Rahmanghar h.s. ... .. <i>Rymandroog S.</i>	Kolár	On a conspicuous hill S. of Ambájidurga, about 1¼ miles E.N.E. of the large village of Kaivára, ¼ of a mile S. of Mailapur, 1 mile N.W. of Pērmáchanhalli on the high road from Hōskote to Ráyalpád, and 4¼ miles S.W. of Chintámani town. A large boulder on the western side near Kaivára is crossed by belts of brown colour and from a crevice in the side a liquid resembling blood is said to issue in January, which kites and crows eagerly eat: táluk Sidlagatta. The station is denoted by a mark-stone embedded in the centre of a mound of earth on a large well-known drug. 1806-12.	13 21 13' 32"	78 3 0' 65"	4183	406†
Ráichur Building ... .. <i>Rachoor</i>	Nizam's Dominions	Large building on a hill, about ¼ of a mile S.W. of the town. 1813-14.	16 11 54' 9"	77 23 29' 6"	...	225 226
Rájavali Pagoda ... .. <i>Rajavelly P.</i>	"	Spire of the pagoda on the left bank of the Tungabhadra river, and about 1¼ miles W.S.W. of the large village of Rájavali on the same bank. 1813-14.	15 52 50' 6"	77 51 3' 5"	...	944 945
Rajēnmalle h.s. ... .. <i>Rajenmalli S.</i>	Cuddapah	On the summit of a high hill, well-known from a pagoda on a neighbouring rock S. of the station, about 4 miles W.N.W. of the village and police station of Chinnamandēm, 2 miles N.E. of Kálibanda, and 3¼ miles S. of the high road from Kadiri to Ráyachoti: táluk Ráyachoti. The station is denoted by a platform surmounted by a pile of stones. 1812.	13 57 58' 17"	78 39 45' 77"	3586‡	1427§

\* To second mark engraved on pillar. This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series.

† For another triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

‡ This value of height is in supersession of that printed in the Synoptical Volume of the Madras Meridional and Coast Series.

§ For another triangle fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Rájupalli h.s. ... <i>Rajepilly H.</i>	Cuddapah	On a hill, about $\frac{1}{2}$ a mile W. of the left bank of the Pápaghni river, $\frac{1}{2}$ of a mile S. of Rájupalli, and $1\frac{1}{2}$ miles S.W. of Kuppam village: táluk Pulivéndla. 1812.	14 12 28'73	78 30 29'69	feet ...	1497 1498
Rákónda Mandapam ... <i>Rawkoonda H.</i>	Nizam's Dominions	On a plateau, about $\frac{1}{2}$ a mile E. by N. of the village of Rákónda, $2\frac{1}{2}$ miles E. of Telkapalle, and $1\frac{1}{2}$ miles W. of Polepalle. 1818-19.	16 26 32'6	78 32 13'2	...	873 874
Rámadevarabëtta, XL	Túmkúr	<i>Vide page 14—A.</i> ... ..	13 19 19'49	77 12 23'76	$\frac{3881}{*}$	49
Rámadevarabëtta Pagoda <i>Ramadavurbetta</i>	Bangalore	Close N.E. of the small village of Bëttadhóshalli, about $\frac{1}{2}$ of a mile W.N.W. of Narsimpur, $\frac{1}{2}$ a mile S.W. by S. of Hálenhalli which is close W. of the road from Dobbspet to Kóratagère, $1\frac{1}{2}$ miles N.E. by N. of Nijagal, $\frac{1}{2}$ of a mile E. of the road from Túmkúr to Nēlamangala, and 3 miles N. by W. of Dobbspet travellers' bungalow: táluk Nēlamangala. 1802-6.	13 16 14'6	77 16 40'0	...	1718
Rámadrug Hill Fort ...	Bellary	Centre of the conspicuous drug on a small detached hill just N. of Rámadrug village, and $1\frac{1}{2}$ miles W. of the high road from Guntakal to Álúr: táluk Álúr. 1871.	15 17 54	77 17 4	2023	349 350
Rámagiri Hill Pagoda <i>Ramgherry H.P.</i>	Nizam's Dominions	About $\frac{1}{2}$ of a mile S.W. of Raghupatipet on the left bank of the Dindi river and on the road to Kalvakurthi town. 1818-21.	16 30 6'0	78 31 4'9	...	872
Rámagiri Palace <i>Ramgherry</i>	Madura	On a hill, about $1\frac{1}{2}$ miles S. of the village of Rámagiri, the same distance N. of Kombai and W. of the high road to Madura, and $\frac{1}{2}$ a mile E. of Pēranaikanpatti: táluk Dindigul. 1808.	10 38 3'6	78 9 47'2	...	...
Rámagiri Turret <i>Ramgherrydroog</i>	Chitaldroog	High turret on a small isolated hill immediately S. of the village of Rámagiri, about $1\frac{1}{2}$ miles S.E. by S. of Dásikatte, and $2\frac{1}{2}$ miles N.W. by N. of Gangasamudra: táluk Hólakère. 1811-14.	13 57 0'3	76 9 44'2	[2641]	1396
Rámallakot h.s. <i>Raumulkotah H.</i>	Kurnool	On the S.W. angle of a hill fort, about 2 miles E.S.E. of Rámallakot town, the same distance N.E. of Narsápuram, and $2\frac{1}{2}$ miles N.W. of Pendekál: táluk Rámallakot. 1812.	15 33 22'70	78 4 20'55	...	912 913
Rámadrug h.s. <i>Ramanmalli S.</i>	Bellary	On a ruined bastion at the E. extremity of a fortified hill on the great range of Rámadrug running nearly N.W. and S.E., about $1\frac{1}{2}$ miles S.S.W. of Hunsahati village, and the same distance W.N.W. of Bávihalli at the junction of the roads from Hóspet, Náráyanadevarakeri and Bellary: Zamíndári Sandúr. The station is denoted by a platform surmounted by a pile of stones. 1813-14.	15 7 31'41	76 30 26'71	3257	1221
Rámandurga Hill Tree <i>Kothaegoodum</i>	Chitaldroog	In a fort, about $1\frac{1}{2}$ miles S.S.W. of Rámandurga, 4 miles S. of the large village of Náyakanhatti, $3\frac{1}{2}$ miles N.E. of Búmmakanhalli, and $7\frac{1}{2}$ miles W. of Chikkamanhalli on the high road from Bellary to Hiriyúr: táluk Chéllakère. 1813.	14 24 16	76 35 7	[2166]	...

\* See description of this station.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Rámánujpuram Pagoda <i>Ramanjipooram</i> ...	Nizam's Dominions	White pointed pagoda about $\frac{1}{4}$ a mile E. by N. of the village of Rámánujpuram, and $1\frac{1}{2}$ miles S.S.E. of Vénkatapuram on the road to Hyderabad. 1813-14.	17 13 52.7	78 17 48.9	feet ...	840 841
Rámapa Hill Tower ... <i>Ramapaboory</i>	"	A lofty and very conspicuous tower on the highest summit of a cluster of hills, about $\frac{1}{4}$ a mile N. of a hill pagoda, and 3 miles N.W. of the large village of Sirávar on the road to the town and railway station of Ráichur. 1816-17.	16 12 40.9	77 1 39.9	...	1065 1066
Rámapakōnda Hill Pagoda <i>Ramapak H.P.</i> ...	Bellary	Close S. of the village of Rámapakōnda, and about 5 miles in the same direction from Kalyándrug: táluk Ráyadrug. 1811.	14 28 12.9	77 9 2.6	...	376
Rámapuram s. <i>Cuddapah Station B.</i> ...	Cuddapah	Close to the village of Rámapuram on the main road from Cuddapah to Pulivēndla, about 2 miles E. of Sankatipalli, and $1\frac{1}{4}$ miles S. by W. of Moillakalva: táluk Cuddapah. 1812.	14 28 4.84	78 43 53.93	...	1601
Rámavaram h.s. <i>Ramavaram H.S.</i> ...	Kurnool	On a hill, about a mile N.W. of the village of Rámavaram, and $5\frac{1}{4}$ miles N. of the large village of Aruku: táluk Koilkuntla. The station is denoted by a very high platform with a mark-stone in the centre. 1811-12.	15 17 29.71	78 9 7.33	1701	1530
Rámdurg Hill Temple ...	Nizam's Dominions	Gopuram of the temple on a high hill close W. of Rámdurg. 1871.	16 17 31.2	77 6 21.1	1634	230 231
Rámenhalli Hill Pillar <i>Ramanmalli</i> ...	Túmkúr	A stone pillar on a high solid rock, about $\frac{1}{4}$ of a mile N.E. of the village of Rámenhalli, 2 miles S.E. by E. of Hönnudike, $\frac{1}{4}$ a mile S.W. of Vardanhalli, and $2\frac{1}{2}$ miles W. of Kōratagēre village: táluk Túmkúr. 1802-6.	13 11 43.0	77 11 29.2	[2995]	436
Rámesvarambanda Mosque <i>Ramisserambunda</i> ...	Nizam's Dominions	With three doors, close N. of the village of Rámesvarambanda, and about $2\frac{1}{2}$ miles N. by E. of Patanchēru on the road to Hyderabad. 1817-18.	17 33 21.6	78 18 55.0	...	757
Rámesvarambanda s. <i>Ramisserambunda S.</i> ...	Bellary	On the ruins of a building on the highest point of a low rock in a village on the right bank of the Tungabhadra river, about $3\frac{1}{2}$ miles N. of Tamberhalli, and $8\frac{1}{2}$ miles E.N.E. of the town of Hampaságar: táluk Huvinahadgalli. The station is on a ruined turret, and is denoted by a platform covered with a pile of stones. 1813-14.	15 12 18.24	76 12 8.25	...	1248*
Rámkōnda Hill Stone <i>Raumcondah</i> ...	Anantapur	Large stone on a hill, about 5 miles S.W. of Pátakōtachēru Railway Station, and $3\frac{1}{2}$ miles S. by E. of Nakknadūddi village on the road from Bellary to Madras: táluk Gooty. 1811.	15 6 30.0	77 31 25.8	...	331
Rámpur Fort ... <i>Rampoor</i>	"	N.W. angle of the fort on the left bank of the Pénner river, about $\frac{1}{4}$ a mile E. of the high road from Bellary, and 10 miles N.N.E. of Perúr: táluk Dharmavaram. 1812-13.	14 28 45.5	77 20 6.5	...	1308 1309

\* For another triangle fixing this station, see the Synoptical Volume of the Mangalore Meridional Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Rámpurgutta Hill Stone <i>Rampoor</i>	Nizam's Dominions	Large and very remarkable stone on a lofty and conspicuous rock, about 1½ miles S.S.W. of Rámpur village which is close to the right bank of the Kistna river. 1816-17.	16 20 2·5	77 32 36·3	feet ...	...
Rangamalai, LXXVII	Coimbatore	<i>Vide</i> page 21—A. ... .. NOTE.—As Colonel Lambton's station of Rungamalli S. (fixed in 1808-9) has disappeared, all his observations have been referred to this station.	10 38 48·25	77 57 30·95	$\frac{3101}{5}$	98
Rangandurga Turret ... <i>Janery Rungyan Dr.</i>	Chitaldroog	Towards the N. end of a wall of hills, about 1½ miles S.W. by W. of Talgatta village, 2½ miles E.S.E. of Tupadhalli, and 3½ miles S.S.W. of Rámagiri-táluk Hólalkére. 1811-14.	13 54 10	76 8 21	[2930]	...
Ranganhalli h.s. ... <i>Runganally H.P.</i>	Támkár	On a very high pagoda on a low hill, about ¼ a mile N.E. by N. of the village of Ranganhalli, 5½ miles E. by N. of the large village of Bukkapatna on the high road from Huliýár to Síra, and 2½ miles S.W. by S. of Hönnéhalli on the same road: táluk Síra. The station is denoted by a mark on the top of the pagoda. 1801.	13 39 51·94	76 52 23·09	...	1325 1326
Rangapurgudda Platform <i>Rungapangooda</i>	Chitaldroog	About 1½ miles E. of Hindas Katte, the same distance N.W. by W. of Rangapur village, and 3½ miles S. of Hulagalkunte on the main road from Hiriyúr to Huliýár: táluk Hiriyúr. 1813.	13 50 38·20	76 38 56·81	[2742]	1380 1381
Rangasamudram Fort <i>Rungasundrum</i>	Cuddapah	S.W. angle of the fort on the main road from Kóttakota and about 4 miles N. of it, and 3½ miles E. of Pédda Téppasamudram village: táluk Madanapalle. 1812.	13 42 46·1	78 18 21·7	...	1676
Rangaswámi Hill Pagoda <i>Rungaswamy H.P.</i>	Kolár	About 2 miles S.E. by S. of the large village of Töndébhávi, the same distance E. by S. of Kalnáyakanhalli which is ¼ of a mile E. of the road from Goribidnúr to Dódballapur, 1½ miles W. of Haléhalli, and the same distance E.N.E. of the small village of Chikhóshalli: táluk Goribidnúr. 1801.	13 27 54·8	77 35 20·7	[3152]	1708
Rangaswámibétta, XLIII	Támkár	<i>Vide</i> page 14—A. ... ..	13 1 26·52	77 0 44·72	$\frac{2995·68^*}{\dagger}$	56
Rangaswámibétta h.s. <i>Rungaswamy H.P.</i>	"	On a pagoda at the northern extremity of a short range of hills, about a mile S. of the small village of Dásanpur, 3½ miles W. by N. of Kunigal town, 1½ miles N.N.E. of Nidemavinhalli, and ¼ of a mile N. of the high road from Yédiyúr to Kunigal: táluk Kunigal. The station is denoted by a mark on the platform of the pagoda. 1801.	13 1 58·63	77 0 49·80	[2997]	424 425
Raravi Turret <i>Raravoys</i>	Bellary	Of the village fort of Raravi on the high road from Ádoni to Siruguppa where it crosses the Hagari river, and about 5½ miles E. of Siruguppa: táluk Álúr. 1813-14.	15 37 41·5	77 1 9·3	...	...

\* To top of circular pillar near and opposite N. face of rectangular protecting pillar.

† See description of this station.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Ratnagiri h.s. ... <i>Rutnigherry P.</i>	Trichinopoly	On the tower of a pagoda on an isolated hill immediately W. of the high road from Manapárai Railway Station to Kulitalai Railway Station, and about 4½ miles S.S.W. of the latter. The village of Malaiyadivaram lies at the N.E. foot of the hill: táluk Kulitalai. 1808-9.	0 1 " 10 52 37·13	0 1 " 78 25 31·28	feet ...	2061 2062
Ratnagiri Hill Temple ...	"	Highest point of the temple on an isolated hill, close to Ratnagiri h.s.: táluk Kulitalai. 1871.	10 52 36·7	78 25 30·3	1181	625
Rávalchēru h.s. ... <i>Rawulcherroo H.</i>	Nizam's Dominions	On a hill, about 1¼ miles S.W. of Adavi Rávalchēru village which is 5½ miles S. of the large village of Darúr. 1816-17.	16 8 29·05	77 43 24·88	...	937 938
Ráyadrug h.s. ... <i>Roye-droog S.</i>	Bellary	In the centre of an old turret on the highest part of the hill fort of Ráyadrug, and about ¼ of a mile W. of the high road to Bellary: táluk Ráyadrug. The station is marked by a circle and dot in the centre of a circular platform. 1813. It was refixed in 1871.	14 42 16·76	76 53 8·54	2722*	1218
Ráyakota h.s. ... <i>Ryacottah</i>	Salem	On a hill towards the S. foot of which is the large place called Ráyakota on the road from Dēnkanikota to Krishnagiri: táluk Krishnagiri. 1802-4.	12 31 7·19	78 4 44·83	[2357]	1738
Ráyalampád Hill Rock ... <i>Recallumpad H.</i>	Nizam's Dominions	About 1¼ miles S. of the village of Ráyalampád, and 4 miles S.W. by S. of the large village of Darúr on the road to the town of Gadvál. 1816-17.	16 10 46	77 42 19	...	940†
Ráyanpalle Fort ... <i>Ryanpulli-droog</i>	"	Highest tower of the village fort of Ráyanpalle, about 2¼ miles E. by S. of Kodekal on the road to Nalatvar. 1816-17.	16 20 44·0	76 28 57·1	...	1156
Rekalkōnda Hill Platform ... <i>Reckelcondah</i>	Cuddapah	About 2½ miles E. of Pēddamandēm on the road to Váyalpád: táluk Madanapalle. The point is denoted by a mark. 1812.	13 55 6·20	78 37 5·09	...	1505 1506
Rēttiyápati Hill Mark ... <i>Rettiaputty H.</i>	Tinnevely	On the highest part of a low ridge running E. and W., about 2 miles E. of the village of Rēttiyápati, and 4½ miles S.S.E. of the town of Palamcottah: táluk Tinnevely. 1808-9.	8 40 17·48	77 48 26·13	...	676 677
Revalle Hill Pagoda ... <i>Raevelly H.P.</i>	Nizam's Dominions	About 1¼ miles N.W. by N. of the village of Revalle, 1½ miles W. of Cherigudda, and 5 miles E.S.E. of Bálánagar on the road to Hyderabad. 1817.	16 55 6·6	78 17 39·7	...	854 855
Rishimalai h.s. ... <i>Rissheemalli S.</i>	Madura	On an isolated hill, about 3 miles N.W. by N. of the railway station of Annmayanáyakanúr, and 2 miles E.N.E. of Kotúr village: táluk Dindigul. The station is denoted by a mark on a circular platform a few yards W. of a stone pillar. 1808-9.	10 12 26·50	77 55 26·77	1709	2002
Rōllabētta Hill Mark ... <i>Rolaebetta</i>	Anantapur	On a conspicuous hill, about ¼ of a mile S. by E. of the small village of Rōllabētta on the road from Madōddi to Pávagada: táluk Madakasira. 1813.	13 50 52·79	77 9 28·87	[3247]	1332

\* To top of pile of stones on which pole stands.

† The co-ordinates have been deduced from this triangle only, vide foot-note on page 74—4.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Sadam Fort ... <i>Suddum</i>	Cuddapah	High middle bastion on the W. face of the fort in the village of Sadam, about 1½ miles E. by N. of Chilkalnerpu, 1 mile S.E. by S. of Chinnarayanpalli, 2 miles W.S.W. of Yerraballi on the road from Sadam to Madanapalle, and 1½ miles N.W. of Ankálmadugu: táluk Madanapalle. 1812.	13 39 44·9	78 8·28·0	<i>feet</i> ...	1660 1661
Sadáshyvet Bungalow (helio.) ...	Nizam's Dominions	On the arched roof of the Dák Bungalow about 20 feet above the ground, on the high road from Hyderabad to Gulbarga. The point is marked by a circle and dot engraved on the paka masonry level with the hill top. 1872.	17 37 6·70	78 0 17·35	$\frac{1771^*}{20}$	166
Sádkönda h.s. <i>Sauköndah</i>	Cuddapah	On a pagoda towards the N. end of a mass of hills, about 3½ miles E. by N. of Gopidinne village on the main road from Madanapalle to Pëddapalli: táluk Madanapalle. The station is denoted by a mark on the pagoda. 1812.	13 52 47·66	78 29 24·29	...	1488 1489
Sadragiri h.s. <i>Suddragherry S.</i>	Madura	On the bare top of one of a group of hills, about 4 miles S.W. by S. of Shapalur, 1½ miles E. by N. of Mahalingam pagoda, and 4 miles N.E. of the village of Tonipára: táluk Tirumangalam. The station is denoted by a mark-stone in the centre of a platform, surmounted by a pyramid of stones. 1808-9. It was refixed in 1873-74.	9 44 17·70	77 43 6·34	4171	2003
Sagár Hill Fort <i>Sugur-droog</i>	Nizam's Dominions	A thin low spire of a small building on the highest point of the hill fort of Sagár, close S.S.W. of the town of Shahpur, and about 4½ miles N.N.E. of Sagár town. 1816-17.	16 41 22·6	76 52 31·0	...	1191 1192
Saikalkönda h.s. <i>Saukiall H.</i>	Kolár	On a formidable-looking hill close on the Mysore Province Boundary, about a mile N. of the village of Saikalkönda, the same distance E.S.E. of Köndamvápalli, 1½ miles E. by N. of Kotampalli, 1½ miles N.E. of Chákavel, and 1 mile W.N.W. of Köndakindapalli: táluk Bágépalli. 1812.	13 50 42·06	78 9 31·82	[2998]	1457
Salávádagi Hill Tower <i>Saluwadugi Tower</i>	Nizam's Dominions	Lofty and very conspicuous burj of the village fort on the declivity of an extensive table-land, close S. of the road to Tálikot town and about 6½ miles E. by S. of it. 1816-17.	16 26 53·3	76 26 56·2	...	1205 1206
Salem s. ...	Salem	About ¼ a mile S. of the town, and 4 miles S.E. of the railway station. The station is about 30 feet above the ground: táluk Salem. 1870.	11 39 11·63	78 12 19·31	$\frac{946}{30}$	493
Salem Fort s. <i>Salem</i>	"	On the S.W. angle of the fort, and about 2 miles S. of the jail: táluk Salem. 1810.	11 39 2·53	78 11 47·83	...	1799
Salem Railway Station s.	...	<i>Vide</i> Súramangalam s. ...	...	...	...	...
Salgönda Hill Peak <i>Salgoonda Peak</i>	Nizam's Dominions	A very remarkable rocky peak, the highest of a large cluster of rocky hills, about 1½ miles S.S.W. of the large village of Salgönda, 1 mile N.W. of a ford across the Tungabhadra river, and 2 miles W. of Salgönda Ghát. 1816-17.	15 38 19	76 51 46	...	1120 1121

\* To arched roof of bungalow.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Sálotgi h.s. ... <i>Salowuttugi S.</i>	Nizam's Dominions	On rising ground, about 2 miles N. by W. of the village of Sálotgi, 3½ miles S.S.E. of Ingalgi village, and 4 miles W.N.W. of Sátalgaon. 1819-20.	° ' " 17 9 36·43	° ' " 76 3 27·80	feet ...	989
Salparhalli h.s. ... <i>Surponelly H.</i>	Túmkúr	On a hill, about ¼ of a mile W.N.W. of the small village of Salparhalli, 2 miles N. by E. of Néllhál on the high road from Síra to Túmkúr, 1 mile N.E. of Shibi temple on the same high road, and 1¼ miles W. of Háldöderi: táluk Síra. 1801.	13 32 21·29	77 3 20·35	...	1723
Sámikuchimalai Hill Mark (helio.)	Travancore State	On a ridge which is a little N. of Sámikuchimalai gap, and about 8½ miles S.W. of the town of Kalakád on the road from Cape Comorin to Tinnevely. 1873-74.	8 24 48·38	77 30 36·42	4518	780
Sámikuchimalai Hill Peak ...	"	Highest end of the sloping peak about 8½ miles W.S.W. of the town of Kalakád. 1874.	8 28 31	77 28 47	6052	662 663
Sampigehalli t.s. ...	Bangalore	On the summit of a bare rock about ¼ of a mile E.S.E. of the village of Sampigehalli, 1 mile N.N.E. of Srírámpur, and 2½ miles S.E. by S. of Yélahanka travellers' bungalow on the high road from Devanhalli to Bangalore: táluk Bangalore. The station is denoted by a perforated pillar 12 feet high, having a mark below engraved on the rock <i>in situ</i> . 1867-68.	13 4 40·71	77 39 53·80	$\frac{3020^*}{12}$	1731
Sandúr Building ... <i>Sundoor</i>	Nizam's Dominions	S.E. angle of the square building over the gate-way of the fort about 2½ miles E. of Chintakunta, and 4½ miles N. by E. of the town of Andol. 1817-18.	17 52 27·5	78 8 32·9	...	753 754
Sangamesvaram Hill Pagoda ... <i>Sungum H.P.</i>	Kurnool	About ¼ of a mile N.E. of the village of Sangamesvaram, the same distance S.E. of Siddhesvaram on the right bank of the Kistna river, and 12½ miles N.N.E. of the town of Nandikotkúr: táluk Nandikotkúr. 1813-14.	16 1 23·1	78 22 37·5	...	922
Sangamkōnda Hill Tree ... <i>Sungumbunda</i>	Nizam's Dominions	Palm tree on a hill, about ¼ of a mile N.E. of Sangamkōnda, and 3 miles N.W. of Makhtal town. 1813-14.	16 32 1	77 31 43	...	202 203
Sangarēddipet Building ... <i>Sungareddipett</i>	"	Close E. of a large tank, and about a mile S.E. of Kalpágúr town. 1814-15.	17 37 44·1	78 7 43·5	...	158 159
Sanipáya h.s. ... <i>Sonnipoye S.</i>	Cuddapah	On a hill, about a mile N.E. of the village of Sanipáya, and 1½ miles N. of Kotapet on the road from Ráyuchoti to Pullampet. The station is denoted by a spacious well-built platform surmounted by a pyramid of stones. 1812.	14 8 5·76	78 59 52·86	2407	†
Sankaralingam Pagoda ... <i>Sunkerlingum P.</i>	Túmkúr	About ¼ a mile S. of an isolated hill, ¼ of a mile S.E. by S. of Kérékatanhalli, 1½ miles N.N.E. of Karaküre, the same distance E. of Madde, and 2½ miles W. by N. of Hariharpur: táluk Pávagada. 1813.	14 3 8·4	77 9 5·9	...	1335

\* This value of height is in supersession of that printed in the Synoptical Volume of the Madras Longitudinal Series.

† For triangles fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Sankaramalai Hill Pagoda <i>Sunkramalli</i>	Trichinopoly	Tower of the pagoda on a low, small and isolated hill, about 1½ miles S.S.E. of Manavási village on the high road from Erode to Kulitalai, and 1 mile N.N.E. of Korakuthi: táluk Kulitalai. 1808-9.	10 54 49·1	78 16 8·7	feet ...	2057
Sankaranainárkoil Temple	Tinnevely	Centre of the crown work of the big gopuram in the town: táluk Sankaranainárkoil. 1873-74.	9 10 9·4	77 34 29·0	609*	630 631
Sankaridrug h.s. <i>Sankerry Dr.</i>	Salem	On the N.E. summit of an isolated hill having the large village of Sankari at its S.E. foot, at the junction of the main roads from Erode and Tiruchéngod, and about 2½ miles N. by W. of Sankaridrug Railway Station: táluk Tiruchéngod. 1810. The station was refixed in 1869-70.	11 28 43·54	77 53 57·97	2343	499 500
Sankaridrug Hill Temple	"	About 145 yards S.E. by S. of Sankaridrug h.s.: táluk Tiruchéngod. 1869-70.	11 28 40·0	77 54 0·5	...	501
Sankaridrug House	"	Top of the S.W. corner of the railway station house: táluk Tiruchéngod. 1869-70.	11 26 47·2	77 54 47·5	...	504
Sankesvara Pagoda <i>Sunkaeshwar P.</i>	Bellary	Close to the village of Sankesvara which is about ¼ a mile E. of the high road to Ráichur, 2½ miles E.S.E. of Bēlagal, and 7 miles K. of the railway station of Kosgi: táluk Ádoni. 1813-14.	15 51 12·5	77 22 57·5	...	1059
Santakudlúr Fort <i>Chenthakoodloor</i>	"	N.W. angle of the fort close W. of the village of Santakudlúr, about 2½ miles E. of Harivánam village, and ¼ a mile S. of the high road from Ádoni to Siruguppa: táluk Álúr. 1813-14.	15 38 24·1	77 11 26·9	...	1048
Santapur Hill Stone <i>Suntapoor Peak</i>	Nizam's Dominions	Sharp stone on the peak of one of a group of hills, about 4½ miles S.E. of Kestapur, 4½ miles S.S.W. of Wanparti, and 6½ miles N.W. of Pángal. 1813-14.	16 18 32·8	78 5 15·0	...	215 216
Sapatlapalle Hill Pagoda <i>Sapputlapilly</i>	"	About 3½ miles W.N.W. of Gurmatkál town. 1813-14.	16 52 34·7	77 23 1·7	...	994 995
Sasanúr Hill Pagoda <i>Sassanool H.P.</i>	"	On a low fortified hill along the S. face of which is the village of Sasanúr on the road to the large village of Anantapur, close W. of the right bank of the Kistna river. 1813-19.	16 6 47·6	77 59 3·0	...	899 900
Sátanúr Fort <i>Sautnoor</i>	Bellary	Highest turret of the fort of the village of Sátanúr, about ¼ of a mile S. of the Tungabhadra river, and 4½ miles W. of Tungabhadra River Station on the N.W. line of the Madras Railway: táluk Ádoni. 1813-14.	15 56 58·9	77 16 8·3	...	1055
Sáttámpádi Hill Mark	Madura	On a hill, about 1½ miles S.W. of the village of Sáttámpádi, 1½ miles N.W. of Veránilai or Lingavádi, and 6 miles S.W. by W. of the large village of Nattam near the junction of the roads from Dindigul, Madura and Manapachéri: táluk Melúr. 1871.	10 10 27·67	78 12 2·34	2747	620

\* To top of gopuram.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Satyamangalam Fort ... <i>Sattimungalum</i>	Coimbatore	S.E. angle of the fort on the Bhaváni river: táluk Satyamangalam. 1803-6.	11 30 11.4	77 17 28.2	feet ...	1777
Satyamangalam Pagoda <i>Sattimungalum</i>	"	In the town and S. of the high road from Kállegál to Bhaváni: táluk Satyamangalam. 1808.	11 30 10.2	77 17 5.7	...	1988
Savandurga, XLI <i>Savendroog S.</i>	Bangalore	<i>Vide page 14—4.</i> ... ..	12 55 5.92	77 20 2.99	$\frac{4022}{*}$	55
Sáyamalai Hill Mark (helio.)	Tinnevely	On the summit of a small, isolated and steep hill about 2½ miles S. of Mahendravádi village on the high road from Tinnevely to Sríviliputúr, and 3½ miles S.E. of Nillidanallúr: táluk Sankaranainárkoil. 1874.	9 4 37.46	77 41 8.92	952	644 645
Sayedpalle Hill Mosque <i>Syedpilly Mosque</i>	Nizam's Dominions	S. minaret of the mosque close W. of the village of Sayedpalle, and about 6½ miles in the same direction from Konadúr on the road to Hyderabad. 1813-14.	17 6 23.4	77 58 51.8	...	857 858
Secunderabad Church (helio.)	"	The point is marked by a circle and dot engraved on the centre of the tower of the Roman Catholic church in the cantonments. 1872.	17 26 27.82	78 32 39.95	1856†	787 788
Secunderabad Church No. 1	"	Centre of the tower of the church in Trimulgherry (Trimalgiri). 1872.	17 28 26.5	78 33 30.2	1884‡	767
Secunderabad Church No. 2	"	Belfry of St. John's Church in the cantonments. 1872.	17 26 30.4	78 32 54.4	1835§	815 816
Secunderabad Flag-staff	"	On the centre of the square tower of the Military prison in Trimulgherry. 1872.	17 28 9.9	78 33 11.8	1915	791 792
Secunderabad Hill Mosque <i>Mowl Ali</i>	"	On the well-known hill of Maula Ali to the E. of Secunderabad. 1813-18.	17 28 4.1	78 35 55.8	...	803 804
Secunderabad h.s.	"	On a low hill E. of Secunderabad, and about a mile from the European Cavalry Lines and St. John's Church. It has no local name and is here called after the small village of Mulkagiri which is about ¼ a mile to E. The station is marked by a circle and dot engraved on a huge boulder, the top of which has been roughly levelled by a platform of stones and earth. 1872.	17 26 58.36	78 33 54.06	2000	749
Secunderabad Hill Temple <i>Goorjagutt Tomb</i>	"	Centre of the dome of the temple on the low hill of Ohhota Maula Ali, also called Gurgagutta, N. of Secunderabad. 1817. The point was refixed in 1872.	17 29 13.7	78 33 47.5	2022¶	793 794

\* See description of this station.

† To roof of tower.

‡ To base of pinnacle.

§ To base of bell arch.

|| To top of square tower.

¶ To top of square portion of temple.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Secunderabad Hospital	Nizam's Dominions	Highest gable in the eastern portion of the barracks hospital in Trimulgherry. 1872.	17 27 46·6	78 33 37·3	feet 1909*	809 810
Secunderabad Tomb No. 1 <i>Bowenpullee Tomb</i>	"	About 3 miles N.W. by N. of the town, $\frac{1}{4}$ a mile N. by W. of the Cavalry Lines, and the same distance W. of Boyinpalle village. 1817.	17 28 32·9	78 30 44·6	...	798 799
Secunderabad Tomb No. 2 <i>Secunderabad</i>	"	Centre of the pillar of Captain Davidson's tomb N. of the road and opposite the Native Infantry hospital. 1817. The point was refixed in 1872.	17 26 32·0	78 32 38·9	1831†	813 814
Setúr Hill Peak	Travancore State	About 6 miles W.N.W. of Setúr on the road to Sríviliputúr. 1874.	9 27 32	77 24 30	5775	652 653
Sháhdrug Fort <i>Sháh Drg.</i>	Túmkúr	Centre of the highest tower of a ruined fort on a hill on the Mysore boundary, about $1\frac{1}{4}$ miles N.W. of Sháhpuram, 6 miles E. of the Pénner river, 3 miles N. of Kogira, $1\frac{1}{4}$ miles S.E. by E. of Husainpur, and the same distance N.E. of the high road to Bellary: táluk Pávagada. 1811. The point was refixed in 1870.	14 9 42·2	77 32 43·8	2817‡	377 378
Shakapur h.s. <i>Shaikapoor H.</i>	Nizam's Dominions	On a small hill about $\frac{1}{4}$ a mile W. by S. of the village of Shakapur, the same distance E. of the Húkachette nála, and $1\frac{1}{4}$ miles N. of its junction with the Kistna river. 1813-14.	16 13 42·34	77 58 3·36	...	208 209
Shámichéttipálayam s.	Coimbatore	On the stony waste about $1\frac{1}{4}$ miles W. by S. of Anupapati village, $1\frac{1}{2}$ miles S. of Ayyampálayam on the high road from Coimbatore to Palladam, and 5 miles S.W. of the latter: táluk Palladam. The station consists of a platform 5 feet high, with mark-stones at top and bottom. 1870.	10 57 13·23	77 15 52·64	$\frac{1441}{5}$	1924
Shamshahabad Building <i>Shumshabad</i>	Nizam's Dominions	In a fort on the road to Hyderabad, and about $7\frac{1}{2}$ miles S.W. of it. 1813-14.	17 15 32·1	78 26 16·7	...	...
Shanagalagúdúr Fort <i>Goodoor</i>	Anantapur	Flag on the highest turret of the village fort of Shanagalagúdúr, about $3\frac{1}{4}$ miles S.W. of Vanganúr Station on the N.W. Line of the Madras Railway: táluk Tadpatri. 1812.	14 48 48·3	78 4 56·3	...	1578
Shevarattúr Bungalow <i>Shevarathoo</i>	Malabar	Close to Shevarattúr s.: táluk Pónáni. 1810.	10 46 56·2	76 3 22·0	...	...
Shevarattúr s. <i>Shevarathoo</i>	"	About 6 miles E. of Pónáni on the coast, and between two high roads from it, the one about $\frac{1}{4}$ a mile N. to Patambi and the other the same distance S. to Kátanád: táluk Pónáni. 1810.	10 46 53·07	76 3 10·47	...	1870

\* To top of balustrade.

† To top of square portion or base of ornamental portion of pillar.

‡ To top of drug.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Shevaroy Hill Mark No. 1 ...	Salem	On the highest point of the high hill known as Sholai-karadu, about 50 yards N. by W. of Shevaroy Hills, No. 1 Revenue Survey s.: taluk Salem. The point is denoted by a cairn or pile of stones. 1870.	° ' " 11 49 53·04	° ' " 78 16 16·60	feet ...	483 484
Shevaroy Hill Mark No. 2 ...	"	Also known as the Green Hills. On highest ground, nearly a mile S.E. of Nágálúr village: taluk Salem. The point is denoted by a pile of stones over a † mark. 1870.	11 49 47·72	78 16 3·09	...	485
Shevaroy Hills, No. 1 Rev. Survey s.	"	On the summit of the high hill known as Sholai-karadu, about 1½ miles S.E. of Nágálúr village, and 1½ miles S.W. by W. of Puliyúr: taluk Salem. The station is denoted by a cairn of stones over the Revenue Survey Station mark. 1870.	11 49 51·57	78 16 16·98	...	486 487
Shevaroy Hills, No. 2 Rev. Survey s.	"	On the southern of the twin hills, about 1½ miles W. of the village of Pfler, 1 mile E. of Yercaud (Erkád), and 9½ miles N. by E. of the town of Salem: taluk Salem. 1870.	11 46 33·06	78 16 47·84	...	488
Shevaroy No. 1 h.s. ...	"	About the middle of the flat summit of a large group of hills: taluk Salem. The station is marked by a circle and dot engraved on a large stone set in cement at ground level, about 150 yards N. of a temple, nearly midway between two rectangular piles of stones on the N. and S. edges of the summit, and 277 feet N.W. of a Revenue Survey Station mark. 1870.	11 48 53·81	78 15 37·81	5340	477 478
Shevaroy No. 2 h.s. ...	"	Also known as Fischer's Knoll or Bear's Hill. On the extreme S. edge of the south-western and highest of the hills about the Yercaud Settlement, about 500 yards S.W. by W. of Mr. Fischer's house, and ¼ a mile S.W. by S. of Yercaud: taluk Salem. The station is marked by a circle and dot engraved on a large piece of rock. 1870.	11 45 44·56	78 14 54·02	4826	479 480
Shevaroy No. 3 h.s. ...	"	On the summit of the high bare hill known by the name of Sonasikaradu or Duff's Hill, about 2½ miles N.N.W. of Yercaud: taluk Salem. The station is marked by a circle and dot engraved on a large stone embedded in the ground about the middle of the top of the hill. 1870.	11 48 19·26	78 14 55·87	5229	481 482
Shevaroy No. 4 h.s. ... <i>Shairwaroyen H.</i>	"	On the most conspicuous point of the Shevaroy hills, about 2½ miles N. of Yercaud: taluk Salem. The station is denoted by a mark on a platform. 1810.	11 48 51·98	78 15 39·65	...	1780
Shidampet Hill Pillar <i>Shiddumpett H.</i>	Anantapur	Near the Gooty boundary, about 7 miles W. of the high road to Anantapur, and 10 miles N.E. of it: taluk Anantapur. 1820.	14 46 46·70	77 32 8·81	...	297 298
Shiddalingana Fort ... <i>Shidlingan Dr.</i>	Bellary	High bastion or building in the fort on a hillock N. of a large tank, about ¼ of a mile in the same direction from the village of Shiddalingana, 2 miles S.W. of Pálayinakota on the high road to Kóttúr, the same distance E.S.E. of Sunkadakal on the high road to Kúdkgi, and 2½ miles S. by E. of the crossing of the above two roads: taluk Kúdkgi. 1813.	14 45 53·6	76 23 19·8	...	1364 1365

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Shigakal h.s. ... <i>Sheegakul S.</i>	Chitaldroog	On a range of hills W. of Chitaldroog, about 2 miles N.E. of Bharamnyakandurga: taluk Hölalkere. The station is marked by a platform having a mark-stone at its surface. 1812-13.	14 12 11.46	76 11 35.50	feet 2912*	1303
Shikkiter Pagoda ... <i>Shickillair P.</i>	Bellary	White pointed pagoda near the fort of Shikkiter, about 7 miles E. by N. of Harpanahalli, and 2 miles N. of the high road to Kúddligi: taluk Harpanahalli. 1813-14.	14 49 11.8	76 7 52.1	...	1286
Shilakaradu No. 1 h.s. ...	Salem	On a small isolated hill about 200 feet high, about a mile S. of the village of Shilakaradu, and 2 miles W.S.W. of Enadi; the main road from Omalúr to Mecheri passes by the S.W. base of the hill: taluk Salem. The station is marked by a circle and dot engraved on the flat roof of a small Përumál temple, 8.4 and 6.4 feet from the S.E. and N.E. corners respectively, and about 30 feet E. of a Revenue Survey Boundary Stone. 1870.	11 47 10.22	78 2 25.11	1463	475 476
Shilakaradu No. 2 h.s. ... <i>Sheegulmalli</i>	"	On a small isolated hill, about 32 feet N. by W. of Shilakaradu No. 1 h.s.: taluk Salem. 1811-14.	11 47 10.54	78 2 25.05	...	...
Shilápalle, XLVII† ...	Nizam's Dominions	<i>Vide page 6—A.</i> ... Note.—As Colonel Lambton's station of Sheelapilly (fixed in 1814) has disappeared, all his observations have been referred to this station.	17 46 13.61	77 42 30.94	2192.08† **	...
Shippipárai Hill Temple ...	Tinnevely	Centre of the roof of the very small square temple on a low hill, about ½ of a mile S.W. of the village of Shippipárai, 2 miles N. by W. of Yéllavanthal, and 13 miles N.W. of Koilpati Station of the South Indian Railway: taluk Saugaranainárkoil. 1873-74.	9 14 26.6	77 48 50.8	464§	623 624
Shivaganga Hill Pagoda ... <i>Shevagunga</i>	Bangalore	Largest pagoda on a sacred hill N.W. of Nēlamangala taluk, about ¾ of a mile S.S.W. of the village of Shivaganga which lies at the N. base of the hill, 1 mile W. by N. of Kambálu, 2½ miles E. of Döllénhalli, and 4½ miles S.S.W. of Dobbspet travellers' bungalow at the junction of the roads from Túmkúr and Dödballapur to Bangalore: taluk Nēlamangala. 1801.	13 10 4.5	77 15 52.7	4550	420 421
Shivandram Pagoda ... <i>Shevandrum P.</i>	Travancore State	On the high road from Cape Comorin, about ¾ of a mile N. of Shivandram, ¼ a mile S.W. of Tirúr, and 1½ miles E. by S. of the town of Kótár. 1808.	8 9 12.7	77 30 27.4	...	1913
Shivansandra h.s. ... <i>Shevasundrum</i>	Bangalore	On the eastern of three small isolated hills, about a mile N. of the village of Shivansandra, and 3 miles W. by S. of Hóskote travellers' bungalow: taluk Hóskote. The station was denoted by a tent peg driven into the ground. 1801.	13 3 33.24	77 46 53.32	[3013]	415
Shivapuram Hill Pagoda ... <i>Shevapoor Dr.</i>	Nizam's Dominions	Close N. of the village of Shivapuram which is close to the left bank of the Tungabhadra river. 1813-14.	15 20 45.2	76 24 3.2	...	1257 1258

\* This value of height is in supersession of that printed in the Synoptical Volume of the Mangalore Meridional Series.

† This station appertains to the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral.

‡ To top of circular pillar at E. face of closing pillar. This value of height is in supersession of that printed in the Volumes of the Great Arc Meridional Series—Section 18° to 24°, of the South-East Quadrilateral. \*\* See description of this station. § To roof of temple. || To base of pagoda.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Sholaikaradu Hill Mark ...	...	<i>Vide</i> Shevaroy Hill mark No. 1. ...	° ' "	° ' "	<i>feet</i>	...
Sholaikaradu Revenue Survey s.	...	<i>Vide</i> Shevaroy Hills, No. † Rev. Survey s. ...	...	...	...	...
Shorapur Fort <i>Soorapoor-droog</i> ...	Nizam's Dominions	S.E. of two stones in the N.W. corner of the hill fort of the town. 1816-17.	16 31 51·3	76 47 41·8	...	1213 1214
Shorapur h.s. <i>Soorapoor H.S.</i> ...	"	On a hill, about 2 miles S. of the town, and 1½ miles S. of Vēkatapur. 1816-17.	16 29 38·60	76 48 6·06	...	1159 1160
Shorimalai h.s. ...	...	<i>Vide</i> Ēttimalai No. 2 h.s. ...	...	...	...	...
Shúlakarai s. ...	Madura	On the top of the gravel mound Parambu, locally called Manmalai-medu (sandhill ridge), about a mile N. of Shúlakarai village, and 3 miles S. of Virudupati between the high road and the railway: firka Tirushuli. The station consists of a solid pillar of masonry, having a mark-stone at the ground level. The station was originally established in 1870 for astronomical observations for latitude. 1871.	9 32 13·28	77 59 18·40	337*	607 608
Shundapanád h.s. <i>Choondapanaud H.</i> ...	South Arcot	On a point of the mass of hills known as the Kalráyan Malai, about 1½ miles W. by N. of Shundipádi village, and ¼ a mile N.W. of Allatti: táluk Kallakurchi. 1810.	11 50 23·96	78 45 46·25	...	1784
Siddanagat h.s. <i>Shedhanagutt S.</i> ...	Kurnool	On one of a group of flat-topped hills, about 1½ miles N.E. of the hamlet of Siddanagadapa, 4 miles S.S.W. of Jaladurgam, 2½ miles N. by E. of Kommemari, and 3½ miles S.E. of the high road from Pyápali to Banganapalle: táluk Pattikōnda. The station is denoted by a high platform with a mark-stone in the centre. 1811.	15 13 59·30	77 54 44·90	2105	272 273
Siddhapur h.s. <i>Siddapoor H.S.</i> ...	"	On a hill, about 7½ miles E.N.E. of the town of Atmakúr on the high road from Nandikotkúr, and 3½ miles N.E. of Pinnapuram village: táluk Márkápúr. The station is denoted by a stone in the centre of a platform. 1812.	15 55 42·89	78 43 52·20	2053†	975
Siddhesvaradurga Hill Mark <i>Shesdaishwar Dr.</i> ...	Chitáldroog	On a small hill close E. of the village of Kolpál, about ¼ of a mile N. of Kiadgunti, 2 miles S.E. by S. of Pílhali, and 3½ miles W. by N. of Pēnobanháli: táluk Chēllakēre. The point is denoted by a mark on a platform. 1813.	14 12 24·96	77 1 5·77	[2036]	1324
Sidragudda h.s. <i>Sidragooda</i> ...	Támkúr	On a hill, about 2½ miles W. by N. of the small village of Hadapádkatte on the road from Tiptúr to Huliýár, 5½ miles W.S.W. of the latter town, 2½ miles S. by W. of Koragēre which is close N. of the road from Bánávar to Huliýár, and 2½ miles E. by S. of Chik Yannēgēre: táluk Chiknáyakanhalli. 1803-6.	13 32 33·97	76 30 22·53	[2920]	1399‡

\* This value of height is in supersession of that printed in Professional Volume XI.

† This value of height is in supersession of that printed in the Synoptical Volume of the Madras Meridional and Coast Series.

‡ For another triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Sikandarmalai No. 1 h.s. ...	Madura	On an isolated rocky hill about 550 to 600 feet high and on the high road from Madura to Sēvalpati, at the E. end of a large tank, about a mile N. of the village of Nēllayūr, 4½ miles S.W. of Madura, and 6½ miles N.E. of the town of Tirumangalam: tāluk Madura. The station is marked by a circle and dot engraved on the rock <i>in situ</i> , towards the N.W. side of the summit, and about 50 yards N.N.W. of the mosque on the top of the hill. 1871.	9 52 31.37	78 6 39.29	feet 1052	599 600
Sikandarmalai No. 2 h.s. ... <i>Sekundermalli S.</i>	"	On a well-known rocky hill, about 53 yards S.S.E. of Sikandarmalai No. 1 h.s.: tāluk Madura. The station is marked nearly in the centre of the platform of the mosque on the summit of the hill. 1808-9.	9 52 29.95	78 6 40.04	1070	2005
Sindgi h.s. ... <i>Shindugi</i>	Bijāpur	About 2½ miles S.S.E. of the town of Sindgi, 5½ miles N.N.E. of Kokatnūr, and 13 miles N.E. of Hippargi: sub-division Sindgi. 1819-20.	16 53 2.00	76 17 31.81	...	988
Sindhavallam Hill Pagoda ... <i>Shindiwalla</i>	Bellary	On the slope of a hill, near the village of Sindhavallam, about ¼ a mile E. of the Hagari river, and 3½ miles N.N.W. of Kōttayērragudi village on the high road from Ālūr to Bellary: tāluk Bellary. 1813-14.	15 19 2.4	77 6 54.5	...	1101 1102
Sindhūr Masjid ... <i>Sindunoor Musjeed</i>	Nizam's Dominions	Centre of front of the large masjid in the fort of the town. 1816-17.	15 46 21.6	76 48 10.1	...	1117
Sindigiri Hill Tree ... <i>Shindagherry H.</i>	Bellary	On a small hill about ¼ of a mile N.W. of the village of Sindigiri on the high road from Siruguppa to Bellary, and 5 miles E. by N. of Kurgod: tāluk Bellary. 1818-14.	15 22 19	76 56 55	...	...
Singanamalai Fort ... <i>Singanmalli</i>	Anantapur	Turret of the fort on a knob of a mass of hills, about 12 miles N.E. of Anantapur, 6 miles S.W. of the Pēnner river, and 1 mile E. of a large lake: tāluk Anantapur. 1812.	14 48 45.0	77 46 11.1	...	1444
Sira Fort ... <i>Serah</i>	Tūmkūr	Flag-staff in the fort about ¼ of a mile E. of the town, and close S. of the high road to Maddagiri: tāluk Sira. 1801.	13 44 35.8	76 57 16.4	...	1331
Sirappanhalli h.s. ... <i>Secrapunhully H.</i>	Chitaldroog	On a hill, about a mile N.W. by W. of the village of Sirappanhalli, 2½ miles N.N.W. of Malsinganhalli, 2½ miles S. by E. of Gilkēnhalli, and 3½ miles E. by S. of the town of Hōlalkēre at the junction of the roads from Hōsdurga and Channagiri to Chitaldroog: tāluk Hōlalkēre. 1813.	14 2 6.02	76 16 37.19	[2906]	1886 1387
Siravanampati h.s. ... <i>Shevanumpatty</i>	Coimbatore	On a square building (small coil) W. of a hill pagoda, close W. of the high road from Coimbatore to Ānūr, and 7 miles N.E. by N. of the former. The village of Siravanampati lies on the above-named road to S. by W. of the station: tāluk Coimbatore. The station is marked by a circle. 1808-9.	11 53 3.05	77 3 8.05	...	1969

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Sirávár h.s. ... <i>Sirruwarum H.S.</i>	Nizam's Dominions	On the highest point and near the S. extremity of a small, isolated and fortified hill at the E. foot of which is the town of Sirávár on the road to Raichur. The station is on the ruins of a platform. 1816-17.	16 10 26·95	77 3 38·72	feet ...	1070 1071
Sirigiri h.s. ... <i>Sirrigerra H.</i>	Bellary	On a small hill about $\frac{1}{4}$ a mile N.W. of the village of Sirigiri, 4 miles W. of the high road from Bellary to Siruguppa, and 6 miles N. of Kurgod: taluk Bellary. 1813.	15 26 24·11	76 52 15·50	...	1092 1093
Sirsangandla Hill Pagoda <i>Sirsungundlah</i>	Nizam's Dominions	Pointed temple of Rámaswámi on a low hill, about 2 $\frac{1}{2}$ miles W. by N. of Sirsangandla village, and 3 miles E. by N. of Chinnaráyanpalle. 1820-21.	16 44 0·3	78 45 12·7	...	971 972
Siruguppa Fort <i>Sirgoopah</i>	Bellary	Redoubt. About $\frac{1}{4}$ a mile W. of the town: taluk Bellary. 1813-14.	15 38 30·2	76 55 25·1	...	...
Sirumalai Hill Mark ...	Madura	On the highest point at the N. end of the range, about 7 miles N.E. of the railway station of Ammayanáyakanúr, and 6 $\frac{1}{2}$ miles W. of Anjukulapati village: taluk Dindigul. The point is marked by a circle and dot engraved in the centre of a platform. 1871.	10 14 32·35	78 1 44·21	4527	588 589
Sirumalai Hill Peak ...	"	Prominent rounded peak on the S.W. quarter of the hill, about 5 $\frac{1}{2}$ miles N.E. of the railway station of Ammayanáyakanúr, and the same distance S.E. of Ambaturai Railway Station: taluk Dindigul. 1871.	10 12 55	78 1 8	4479	590 591
Sirwala Hill Peak ... <i>Sirwalla H.</i>	Chitaldroog	Small object on the S. summit of a conspicuous, isolated and brown hill, about 2 miles E.S.E. of Kátamdevarkot, 2 $\frac{1}{2}$ miles S.W. by W. of Oblapur, 1 $\frac{1}{2}$ miles W.N.W. of Dönihalli, and 5 $\frac{1}{2}$ miles N.E. by N. of the large village of Jájur: taluk Chéllakére. 1813.	14 27 1	76 56 24	[2248]	1341
Sítakal h.s. ... <i>Cheetkul H.</i>	Túmkúr	On a hill, about a mile S.S.W. of the village of Sítakal, $\frac{1}{2}$ of a mile N. by W. of Kálénhalli, and 3 $\frac{1}{2}$ miles S.E. by E. of the large village of Uradgére on the road from Dobbapet to Kóratagére: taluk Túmkúr. The station is marked on the top of the rock, close N. of a very large stone. 1806.	13 19 11·78	77 18 50·61	3345	1696
Sítáni Hill Pillar ... <i>Shunnakurradoo</i>	Salem	On a small isolated hill about a mile E.S.E. of the village of Sítáni, $\frac{1}{2}$ of a mile N.W. by W. of Parapati, and 6 miles S.W. by S. of Salem: taluk Salem. 1810.	11 35 0·11	78 8 53·76	...	1800
Sivagiri Hill Peak ...	Travancore State	A wooded knoll of the Western Gháts, about 7 $\frac{1}{2}$ miles W. of Sivagiri on the road from Ténkási to Srivilliputúr. 1873-74.	9 20 8	77 21 6	5749	...
Sivamalai Hill Pagoda <i>Shevamalli P.</i>	Coimbatore	Tower of the pagoda on a small isolated hill immediately N. of the village of Sivamalai, and about 2 miles N.W. of the large village of Kángyam: taluk Dhárápúram. 1808-9.	11 2 3·3	77 34 46·7	...	1977 1978

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Solipet Mosque ... <i>Soleepett</i>	Nizam's Dominions	N. minaret of the mosque at the E. end of the large village of Solipet on the road to Hyderabad. 1813-18.	17 14 1'6"	78 15 42'7"	feet ...	838 839
Somanhalli Ranganagudda h.s. <i>Samunhully Runganagooda</i>	Túmkúr	On a hill pagoda about a mile E. of the small village of Somanhalli, 3¼ miles S. of Dásudi, 6¼ miles N.E. of Hulyár town, and 3 miles N. of Márhöle on the high road from Hulyár to Síra: táluk Chiknáyakanhalli. 1803-6.	13 38 37'71"	76 39 15'56"	[3028]	1400*
Somapa h.s. ... <i>Somapa H.P.</i>	Nizam's Dominions	On a hill pagoda about ¼ a mile W. of the road to Kanakgiri, and 3¼ miles S.S.E. of the cantonment. 1816-17.	15 30 58'59"	76 29 24'34"	...	1168
Somávarapati Temple ...	Coimbatore	Tall white gopuram of the large temple in the village of Somávarapati on the high road from Pölláchi to Dhárápúram, about 1¼ miles E. of Kóngalnagaram, and 4¼ miles W.S.W. of Gudimangalam village on the high road from Udamalpet to Palladam: táluk Udamalpet. 1870.	10 40 49'3"	77 15 30'3"	1160	575
Somnádmalai Hill Mark ... <i>Somrazemalli</i>	Cuddapah	On a prominent hill, about 2¼ miles W.N.W. of Tangarikunte, and 3 miles S.W. of Allápalli on the high road from Hindupur to Kadiri: táluk Kadiri. The point is denoted by a mark engraved on a platform. 1812.	13 57 12'81"	77 56 34'91"	[3624]	1647 1648
Sompuram Fort ... <i>Kota Soampooram</i>	Nizam's Dominions	Highest cavalier of the fort that stands S. of the village of Sompuram on the left bank of the Tungabhadra river, about 5¼ miles E. by S. of the village of Nágaldinne on the right bank of the same river. 1813-14.	15 54 6'1"	77 40 34'3"	...	255
Sonasikaradu h.s. ...	...	<i>Vide</i> Shevaroy No. 3 h.s. ...	...	...	...	...
Srírangapur Hill Pagoda ... <i>Serungapooram P.</i>	Nizam's Dominions	In a tank on the slope of a small hill about ¼ a mile N. of the village of Srírangapur, 7¼ miles E. of the Kistna river, and 6¼ miles S.W. of Pángal fort. 1813-19.	16 11 52'8"	78 5 31'2"	...	901
Srívaikuntham Temple ...	Tinnevely	Centre of the tall gopuram of the temple in the village of Srívaikuntham on the left bank of the Támbra-parni river, about 2¼ miles N.W. of the town of Ténkarai on the road from Tinnevely: táluk Ténkarai. 1874.	8 37 47'5"	77 57 8'1"	149†	699
Srívilliputúr Pagoda ... <i>Shevelipootoor</i>	"	Centre of the large gopuram of the big pagoda in the town on the high road to Sivakási: táluk Sríviliputúr. 1806. The point was refixed in 1873-74.	9 30 27'7"	77 40 28'0"	$\frac{491\ddagger}{166\S}$	2037 2038
Srívilliputúr Temple ...	"	Centre of the small gopuram of the temple on a tank bund in the town: táluk Sríviliputúr. 1873-74.	9 30 0'5"	77 40 7'3"	...	628 629
Sugidaribëtta h.s. ... <i>Sooguldavul H.S.</i>	Bellary	On the summit of a high hill, about 7¼ miles S.W. of Bellary Railway Station, and 3¼ miles N.N.W. of Obalapuram which is close to the high road from Bangalore to Bellary: táluk Bellary. The station is denoted by a platform surmounted by a pile of stones. 1813.	15 4 32'56"	76 52 22'95"	3290	1036

\* For another triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.  
 † To level of flat roof.  
 ‡ Below summit of gopuram.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Sulagiri Hill Tree ... <i>Soolagherry</i>	Salem	On a hill on the W. side of which is the large village of Sulagiri on the high road from Krishnagiri to Hösür: táluk Hösür. 1802-6.	12 40 4	78 3 42	<i>feet</i> ...	*
Suldapur h.s. ... <i>Suldapooram</i>	Nizam's Dominions	On the highest of a range of flat-topped hills, about 1½ miles N.W. of Umdanagar, and the same distance S.E. of Suldapur village. The station as originally built by Colonel Lambton in 1817-18, consisted of a platform and a mark-stone: when visited in 1872, the mark-stone was found moved; the centre of the platform was therefore carefully dug to a foot below the surface of the ground, but no mark-stone was reached. Two mark-stones, embedded in paka masonry, were then placed in the centre of the platform, one on top and the other 3½ feet below at the ground level.	17 50 10·13	78 14 9·24	2081	742
Sultánagar Jáma Masjid ... <i>Golcondah Old Mosque</i>	"	N. minaret of the mosque on high ground, close N.E. of the village of Sultánagar, about 4 miles E. of the town of Hyderabad, and 1½ miles N.E. of Surúr-nagar. 1817-18.	17 21 46·5	78 35 38·5	...	812
Sultánpur Hill Pagoda ... <i>Poodoor P.</i>	"	White pagoda on the S. end of a low hill, close W. of the small village of Sultánpur, about ¼ of a mile S. of the right bank of the Tungabhadra river, and 6½ miles W. by N. of the town of Nandikotkúr. 1812.	15 52 18·4	78 12 6·6	...	916 917
Sunkanúr h.s. ... <i>Sunkanur</i>	"	On a high flat-topped range of hills, about ¼ a mile N. by E. of the village of Sunkanúr, 4 miles E. of Kudapur Rubun, and the same distance W. by S. of Ullúr. 1819-20.	16 57 48·82	77 8 18·80	...	983
Sunnakal h.s. ... <i>Soonacul Peak</i>	Kolár	On a remarkable stone on a prominent hill, about 1½ miles N.E. by N. of the village of Sunnakal, 2 miles S.E. by E. of Ráyalpád which is ¼ a mile N.W. of the road from Shrinivásapur to Madanapalle, and 2½ miles W. of the small village of Medpalli: táluk Chintámani. 1812.	13 31 2·52	78 24 15·60	[4222]	1521 1522
Súramangalam s. ...	Salem	Also called Salem Railway Station s. On the top of the red-brick station-house on the S.W. Line of the Madras Railway, and about 4 miles W. of the town of Salem: táluk Salem. The station is marked by a circle and dot cut on the S.W. corner of the roof of the upper story of the house. 1870.	11 40 6·00	78 9 20·31	955·62†	491 492
Surikõnda h.s. ... <i>Surrycondah S.</i>	Nizam's Dominions	On the highest summit of a hill having ruined fortifications on the road to Devarakõnda town. The station consists of a platform built over a rock, close to a large reservoir. 1820-21.	16 55 44·40	78 40 22·38	2296	955
Suviseshapuram Church ...	Tinnevelly	Parapet wall of the square church tower with four points, about ¼ of a mile S. of Pudarup village, and 1½ miles in the same direction from Ittamõn on the main road from Travancore to Viramártandanallúr: táluk Nán-guneri. 1869-74.	8 22 17·8	77 53 13·3	184†	721 722
Tadmanúr, II ... <i>Tadmunnoor S.</i>	Nizam's Dominions	<i>Vide page 6—4.</i> ...	17 48 22·01	78 0 25·67	$\frac{1842}{1}$	6
Tádmari Fort ... <i>Todmurry</i>	Anantapur	High cavalier in the middle of the fort near the town, about 13 miles N.E. of Dharmavaram: táluk Anantapur. 1812.	14 33 39·0	77 53 51·5	...	1488 1489

\* For triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.  
† To parapet wall of square tower.

‡ To dot in centre of circle.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Tadpatri Pagoda No. 1 <i>Taudaputree</i>	... Anantapur	S. pagoda close E. of the town: taluk Tadpatri. 1812.	14 54 36.2	78 3 10.2	... feet	1552 1553
Tadpatri Pagoda No. 2 <i>Taudaputree</i>	... „	N. pagoda about $\frac{1}{2}$ a mile N.N.E. of the town, and on the S. bank of the Pénner river where the high road to Koilkuntla crosses it: taluk Tadpatri. 1812.	14 55 1.5	78 3 7.7	...	1554
Takkol Hill Peak <i>Bundikanawa H.</i>	... Cuddapah	N. peak of a mass of hills lying S. of the Pénner river, about $1\frac{1}{2}$ miles S.S.W. of the village of Takkol, and $4\frac{1}{2}$ miles E. by S. of the town of Cuddapah whence a high road passes by the N. base of the hill: taluk Siddhavattam. 1812.	14 28 24	78 55 57	...	1604 1605
Tálaiyút h.s. <i>Taulaootpotha S.</i>	... Tinnevely	Within a wall enclosure nearly at the extremity of a low range of hills, about $1\frac{1}{2}$ miles N. of the village of Tálaiyút, the same distance N.W. of the high road from Tinnevely to Madura, $2\frac{1}{2}$ miles E. of Nanjan-kulam, and 7 miles N.N.E. of Tinnevely Station of the South Indian Railway: taluk Tinnevely. The station as originally built by Colonel Lambton in 1808-9, consisted of a large mark-stone. When visited in 1874, a platform was built round it.	8 48 52.49	77 45 53.89	517	667 668
Talak h.s. ... <i>Tulluck H.S.</i>	... Chitaldroog	On a single, low and very conspicuous hill, about $2\frac{1}{2}$ miles S.E. of the large village of Talak, $3\frac{1}{2}$ miles E.N.E. of Chikkammanhalli on the road from Bellary to Hiriyúr, and $2\frac{1}{2}$ miles N.W. by W. of Ullavarti: taluk Chéllakére. The station is marked by a circle and dot engraved on the rock <i>in situ</i> surrounded by a platform. 1813.	14 25 4.56	76 44 55.13	2206	1298
Tálamarla Fort <i>Tullamurlah</i>	... Anantapur	Close to the village of Tálamarla on a high road, and about $1\frac{1}{2}$ miles W. of a stream flowing northwards into the Chitrávati river: taluk Pénukónda. The point is denoted by a mark on the N.E. angle of the fort. 1812.	14 12 45.84	77 45 55.13	...	1639
Tállamalai h.s. <i>Tullamalli S.</i>	... Salem	On a pagoda on the peculiarly sharp peak of a large hill, about 4 miles S.E. by E. of Vadaputúr, and 5 miles S. by W. of Varagúr village on the main road from Námakal to Pillaturai village: taluk Námakal. The station is denoted by a circle engraved on the centre of the pagoda. 1808-9.	11 4 37.12	78 21 50.19	2785*	2045 2046
Talupula s. <i>Tallapola</i>	... Cuddapah	On the square bastion on the W. face of a fort on the main road from Pénukónda to Véllichalmalai and about 2 miles N. by W. of Bandapalli village: taluk Kadiri. 1812.	14 14 32.67	78 17 54.49	...	1478 1479
Talúr Fort ... <i>Tauloor</i>	... Bellary	High turret in the fort about $\frac{1}{2}$ of a mile S.W. of the Hagari river, and $3\frac{1}{2}$ miles E. of Hósahalli: taluk Bellary. 1813-14.	15 23 53.2	77 3 55.0	...	1215 1216
Tanagal h.s. <i>Tunnacul H.P.</i>	... Nizam's Dominions	On the gopuram of a hill pagoda, about a mile N.W. by N. of the village of Tanagal, and $5\frac{1}{2}$ miles N. of the Tungabhadra river. 1813-14. The station was refixed in 1871.	15 58 26.98	77 46 37.54	1285	927 928 929
Tanakarakulam, XCVII	... Tinnevely	<i>Vide page 26—A.</i> ... ..	8 13 55.39	77 41 20.99	$\frac{175}{3}$	127

\* To base of pagoda.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Táramangalam Pagoda <i>Thauramunglum</i>	Salem	Near the junction of the main roads from Omalúr, Súramangalam Railway Station and Nangaveli: táluk Salem. 1810.	11 41 38·6	78 0 43·5	feet ...	1795 1796
Taranikal h.s. <i>Turnicul</i>	Kurnool	On a hill fort W. of the village of Taranikal on the right bank of the Hindri river, about 5½ miles N.W. of the high road from Bellary to Kurnool: táluk Pattikónda. 1813-14.	15 38 18·05	77 34 13·57	...	259 260
Tarigónda Fort <i>Thurricondah</i>	Cuddapah	S.W. angle of the fort on the road from Váyalpád, about 4 miles N. of the town: táluk Váyalpád. 1812.	13 41 29·8	78 40 9·4	...	*
Tarúr h.s. ... <i>Turroor H.</i>	Támkúr	On a hill, about 6 miles S.S.W. of Badavanhalli on the high road from Síra to Maddagiri, 3½ miles N.E. of Shibi Agrahára, and 1½ miles N.W. by W. of Giddásanhalli: táluk Síra. 1813.	13 35 56·56	77 4 0·06	...	1328 1329
Tatakamalai Hill Peak	Travancore State	Called by Colonel Branfill "Camel's Hump". Centre of a fat hill top, about 37 yards N.E. by E. of Tatakamalai h.s. 1869.	8 16 11	77 31 29	3148	736 737
Tatakamalai h.s. ...	"	Called by Colonel Branfill "Camel's Hump h". On the top of a steep hill, called Thadagaimalai, some 3,000 feet above the plain and about 2 miles N. of the high road. The station is about 7 miles N.N.E. of Nágurkoil, 3 miles N.E. by E. of Puthapandi, and the same distance N.W. of Aramalai: pravarti and táluk Thovala. The station, which is 95 feet from the southern extremity of the hill, consists of a solid isolated pillar of masonry, 3 feet in diameter and 2 feet in height, surrounded by a platform of earth and stones 7½ feet square, with a mark engraved on the rock <i>in situ</i> and another at the surface of the pillar. 1887-88.	8 16 10·82	77 31 28·36	3149	2072
Tátiparti h.s. <i>Tautpurtee H.</i>	Nizam's Dominions	On a rocky hill, about 2 miles S.W. of the village of Tátiparti, and 6 miles N.W. of Surikónda on the road to Devarakónda town. The station is marked by a circle engraved on a large stone. 1820-21.	16 59 8·30	78 37 12·08	2339	948
Tauga h.s. ... <i>Tawugu S.</i>	"	On the top of a detached hill immediately S. of the village of Tauga, about ¼ of a mile W.S.W. of Rola-bandi on the road from Kavital to Gudgunta town and 6½ miles S.E. of the latter. 1816-17.	16 13 36·36	76 44 53·78	...	1148 1149
Tavúrgiri Hill <i>Tawurekerri H.S.</i>	"	Highest summit of a group of rocky hills, about a mile N.E. by N. of the large village of Chikka Mokartihal on the road to Kanárgiri town to the S. 1816-17.	15 44 21	76 26 41	...	1181 1182
Tékkalakota Hill Stone <i>Teckalcottah</i>	Bellary	On a hill, about 1½ miles S. of the village of Tékkalakota on the high road from Bellary to Siruguppa, and 4 miles E. of the Tungabhadra river: táluk Bellary. 1813-14.	15 30 38·3	76 54 52·7	...	1103 1104
Tellagudda Hill Platform <i>Tellagooda</i>	Anantapur	On a hill, about 2½ miles E. by S. of Pandikunta, and 5 miles E.S.E. of Ragulapád village which is ½ of a mile S.E. of the high road from Guntakal to Uravakónda: táluk Gooty. 1811.	14 57 54·91	77 28 22·47	...	303

\* For triangle fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Tenandamalai h.s. ... <i>Tainandamalli</i>	Salem	On a point of the Kalriyan Malai Hills, about 6½ miles S.E. of Pallipati village on the main road from Salem to Attúr, and 7 miles N.N.W. of Tumbalam on the road from Salem to Uttankarai: taluk Uttankarai. 1810.	11 52 10.74	78 30 36.45	feet ...	1781
Tenkaraikota Fort ... <i>Tengricotta</i>	"	On the main road from Dharmapuri to Adikarappati, about 1½ miles S.W. by S. of Óðakarai village, and 5½ miles S.E. of Sindalapádi at the point where the above-named road crosses the S.W. Line of the Madras Railway: taluk Uttankarai. 1802-6.	12 0 39	78 26 21	...	...
Tët h.s. ... <i>Thett H.</i>	Cuddapah	On a hill, about 1½ miles W. of Tët, and 3 miles S. of the road from Madanapalle to Kóttakota: taluk Madanapalle. The station is denoted by a mark in a platform. 1812.	13 37 16.37	78 27 2.62	...	1525 1526
Tévankurchi h.s. ... <i>Tavonkoorchee H.</i>	Madura	On a small isolated hill about a mile N.W. of the high road from Srivilliputúr to Tirumangalam, the same distance N.E. by E. of Kilangalam village, and 1½ miles N. of Nallamaram: taluk Tirumangalam. The station is marked on a rock between a stone pillar and the highest part of the hill. 1808-9.	9 43 34.10	77 52 43.62	...	2023 2024
Tewattúr Hill Temple ...	"	Centre of the temple on a small isolated hill about ¼ of a mile S.W. of the village of Tewattúr, 10¼ miles N.E. of the town of Palni, and 6 miles N.N.W. of Virudupati: taluk Palni. 1871.	10 32 10.4	77 40 52.7	1296	557 558
Thittamalai, LXXI ... <i>Thittamalli S.</i>	Coimbatore	<i>Vide page 20—A. ... ..</i>	11 20 42.83	77 23 53.49	$\frac{1217}{2}$	95
Thittamalai Hill Temple ...	"	About 178 feet S. by W. of the principal station of Thittamalai: taluk Satyamangalam. 1870.	11 20 41.1	77 23 53.2	...	523 524
Thoiyarmalai h.s. ... <i>Thoiyarmalli</i>	Travancore State	About ¼ a mile S. of Yellakonam on the high road to Quilon, and 1½ miles E. of the halting stage at Kondurai. 1809.	8 58 20.99	76 45 14.12	...	1887 1888
Thovalamalai h.s. ...	"	On Kanniakurchi, the highest peak of the Thovalamalai range, about 7 miles N.E. of Nágarkoil, 1 mile E. of the high road to Tinnevely, 3½ miles N.E. by N. of Malangur, the same distance E. by N. of Rámapuram temple, 2 miles S.E. by E. of Thovals, and 3 miles W. by N. of Palaur. It is in line with the old fortification wall extending from Poigaimalai (about ¼ a mile N. of Aramalai) southward to the coast. The ascent which can only be made from the south side along the fortification wall is exceedingly steep: pravarti Tairur, taluk Agasteshwaram. The station consists of a platform of earth and stones 7½ feet square, enclosing a solid isolated pillar of masonry, 3 feet in diameter and 2 feet in height, with two marks, one on the rock <i>in situ</i> and another at the surface of the pillar. 1888.	8 12 37.57	77 34 14.15	2654	2070 2071
Timmanchérta Railway Station ...	...	<i>Vide Guntakal Railway Station (helio.) ... ..</i>	...	...	...	...

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Timmapa h.s. ... <i>Timmapa H.P.</i>	Nizam's Dominions	On a hill pagoda close N. of Madagudda village on the road to Kavital. On the same hill and to the W. of the pagoda is a burj or tower. 1816-17.	0 1 7 18	0 1 3 96	feet ...	1079 1080
Timmapankōnda Hill Pillar ... <i>Timnapancondah</i>	Bellary	Highest pillar on the S.E. top of the northernmost one of a group of hills, about 5 miles N.E. of Kalyāndrug, 3 miles S. of the Hagari river, and 4 miles W. of Chāpri: tāluk Rāyadrug. 1812.	14 35 22 36	77 6 6 14	...	1235
Timmapuram h.s. ... <i>Timmahpooram H.S.</i>	"	Towards the N. end of a small range of hills, about a mile S.W. of Kanvitimmapuram village, and 5½ miles S.W. by S. of Kampli: tāluk Hōspet. The station is denoted by a platform surmounted by a pyramid of stones. 1813-14.	15 20 30 97	76 36 9 85	2141	1122
Tindākāl Hill Pagoda ... <i>Thindacoil</i>	Madura	About 1½ miles S.E. of Gūdalūr village, and 2 miles N.E. by N. of Karungal on the high road from Dindigul to Karūr: tāluk Dindigul. 1808.	10 46 37 0	78 11 24 7	...	2011
Tindimangalam Pagoda ... <i>Mylumpetty</i>	Salem	About ¼ of a mile N. of the village of Tindimangalam, and 3 miles N.W. of Omalūr at the junction of the main roads from Tāramangalam, Tōppūr and Salem: tāluk Salem. 1808-10.	11 45 23 2	78 2 53 0	...	1801
Tinnavarai Hill Mark ...	Madura	On the highest point on the N. edge of the Palni hills, about 1½ miles N.W. of Vilpatti, 12 miles S. of the town of Palni, and 4 miles N. of the sanatorium of Kōdaikānal: firka Kōdaikānal. 1871.	10 17 6 47	77 31 30 39	7445	616
Tinnavarai Hill Peak ...	"	Tree on the W. slope of the high peak of a hill, about ¼ of a mile N. of Tinnavarai Hill Mark: firka Kōdaikānal. 1870-71.	10 17 22	77 31 31	...	573 574
Tinnevelly Temple ...	Tinnevelly	Summit of the eastern and largest gopuram of the great temple in the town: tāluk Tinnevelly. 1874.	8 43 36 6	77 43 49 7	$\frac{221^*}{120}$	693 694
Tippadampalli Mosque ... <i>Tippadumpullee</i>	Nizam's Dominions	In the village of Tippadampalli on the right bank of the Hukachitti stream and about 7½ miles from its junction with the Kistna river. 1818.	16 17 42 1	77 55 9 2	...	213 214
Tirthamalai h.s. ... <i>Teerteemalli</i>	Salem	On a remarkable stone on the N.W. end of a mass of hills, about 1½ miles S.S.E. of the village of Tirthamalai, and 8 miles E.N.E. of the large village of Arūr at the junction of the four main roads, one being from the railway station of Morappūr: tāluk Ūttankarai. 1803.	12 4 56 25	78 38 34 98	...	1810 1811
Tirthapalli, XLVI ... <i>Tirtapilly H.</i>	Bangalore	<i>Vide</i> page 15—A. ... Note.—When visited by the Levelling Party in 1884-85, the station was found in good order.	13 2 20 36	77 55 43 07	$\frac{3142 \cdot 33 \dagger}{\dagger}$	59 74
Tiruchēndūr, LXXXIX	Tinnevelly	<i>Vide</i> page 24—A. ...	8 29 43 69	78 10 16 17	$\frac{82}{24}$	119

\* To top of gopuram of temple. † On stone bearing groove on N. rim of annular wall, presumed to be on same level with the mark in upper surface of circular pillar. ‡ See description of this station.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Tiruchëndúr Temple ...	Tinnevelly	Summit of the great gopuram of the temple which is a conspicuous landmark on the headland of the coast, and is close to the principal station of Tiruchëndúr: táluk Ténkarai. 1874.	0 1 " 8 29 41·6	0 1 " 78 10 14·4	feet 176*	717 718
Tiruchëngod Hill Temple ...	Salem	Centre of the square building on the summit of the highest peak of an isolated hill, about $\frac{1}{2}$ a mile E. by S. of the town of Tiruchëngod, and $5\frac{1}{2}$ miles S.E. by S. of the railway station of Sankaridrug: táluk Tiruchëngod. 1869-70.	11 22 23·3	77 56 38·8	1900	507 508
Tirukurungudi Pagoda <i>Tircanumgoody P.</i>	Tinnevelly	On a rock in the village of Tirukurungudi at the junction of the roads from Panagudi, Nánguneri and Ambásamudram, and about $7\frac{1}{2}$ miles S.W. of Nánguneri town: táluk Nánguneri. 1808-9.	8 26 4·3	77 36 27·9	...	1916
Tirumaldávar h.s. ... <i>Tirmeldavur H.</i>	Anantapur	On one of a group of hills, about $6\frac{1}{2}$ miles N.E. of Perúr, 1 mile W. of Narsampilli fort, and $5\frac{1}{2}$ miles E. by N. of the high road from Bellary: táluk Dharmavaram. The station is denoted by a pillar. 1820.	14 25 1·93	77 27 22·68	...	300 301
Tirumankaradu, LXXII	Coimbatore	<i>Vide page 20—A. ... ..</i>	10 58 22·77	77 42 11·76	$\frac{970}{3}$	93
Tirutankal Temple ...	Tinnevelly	Large spire of the big temple in the town of Tirutankal on the high road from Sivakási to Virudupati, and about 4 miles N.N.E. of the former: táluk Sátúr. 1873.	9 28 49·2	77 51 11·9	367†	622
Tiruvalarai Pagoda ... <i>Trivellary P.</i>	Trichinopoly	The large unfinished pagoda on a low rock, about $\frac{1}{2}$ of a mile N. by W. of the village of Tiruvalarai, $1\frac{1}{2}$ miles S.W. of Pudupati village, and $\frac{1}{2}$ a mile N.E. of Kalavaipati village: táluk Trichinopoly. 1810.	10 57 17·9	78 42 34·8	...	‡
Tiruvallam Hill Mark <i>Trivellum</i>	Travancore State	On a high mound on the coast, about 2 miles S.S.E. of Trivandrum. The point is denoted by a mark-stone. 1808-10.	8 26 30·98	77 0 0·80	...	1897 1898
Tiruvannámalai Hill Mark (helio.)	"	On the E. edge of the W. summit of a bold bluff rock, about $4\frac{1}{2}$ miles S.W. of Tirukurungudi on the road from Cape Comorin to Tinnevelly, and $2\frac{1}{2}$ miles E. of Mahendragiri hill. The point is marked by a circle and dot engraved on the rock <i>in situ</i> . 1869.	8 22 57·96	77 33 50·58	4586	733 734
Tiruvannámalai Hill Temple ...	Tinnevelly	White temple about $2\frac{1}{2}$ miles N.W. by N. of the town of Sríviliputúr: táluk Sríviliputúr. 1873-74.	9 32 28·5	77 39 37·3	740§	626 627
Tiruvëngimalai Hill Pagoda <i>Tirringy H.P.</i>	Trichinopoly	Tower of the pagoda on a small isolated hill on the left bank of the Cauvery river, immediately N. of the main road from Musiri to Salem, and about 3 miles N.W. of the former: táluk Musiri. 1808-9.	10 58 20·7	78 26 42·9	...	2066 2067

\* To top of gopuram of temple.  
§ To level of roof of temple.

† To roof of temple.

‡ For triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Togamalai Hill Pillar ... <i>Thogamalli</i>	Trichinopoly	On a rock of a small isolated hill, about $\frac{1}{2}$ of a mile N.N.E. of the village of Togamalai, and the same distance E. of the high road from Manapárai Railway Station to Vaiganallúr on the Cauvery river: táluk Kulitalai. 1808-9.	0 1 " 10 43 40'00	0 1 " 78 27 19'78	feet ...	2059 2060
Tönsalgutta s. ...	Nizam's Dominions	On a flat rock in the midst of cultivation, about $\frac{1}{2}$ of a mile E. of the cart-track from Paguntai to Burdipád village, 2 miles S.S.W. of the latter, and $1\frac{1}{2}$ miles S.E. of Kurtipali village. The station consists of a solid isolated pillar of masonry, $4\frac{1}{2}$ feet in height, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. In 1872 astronomical observations for latitude were taken at this station. 1871.	16 18 6'91	77 37 16'62	$\frac{1133}{3}$	182 183
Topaldöddi h.s. ... <i>Topulldödi H.</i>	"	On a hill, about a mile E.N.E. of the village of Topaldöddi, and 4 miles N. of Kavital. 1816-17.	16 9 53'12	76 50 42'54	...	1067
Topimalai Hill Pagoda <i>Poolamoomoyngy H.</i>	Madura-Trichinopoly	On the hills forming the boundary between Madura and Trichinopoly, about $1\frac{1}{2}$ miles S.E. of Kombai, 4 miles W. by N. of Kadavúr, and $3\frac{1}{2}$ miles E. of the high road to Madura. 1808-9.	10 35 39'9	78 10 39'6	...	2041 2042
Topkönda, III ... <i>Topcondah S.</i>	Nizam's Dominions	<i>Vide page 6—A.</i> ... ..	17 30 36'57	78 6 44'96	$\frac{2176}{2}$	8, 9
Töppadurti Hill Pagoda <i>Topedurty H.P.</i>	Anantapur	About $\frac{1}{2}$ a mile N. of Töppadurti fort, $1\frac{1}{2}$ miles W. of the Anantapur boundary, and $11\frac{1}{2}$ miles S.W. of the town of Anantapur: táluk Dharmavaram. 1812.	14 33 25'0	77 31 44'0	...	379
Totikaradu Hill Pillar <i>Totheekurradoo</i>	Salem	About a mile S. of Sampákamdevi village, 3 miles W. by S. of Mallásamudram, and $4\frac{1}{2}$ miles S. of McDonald's Choultry Railway Station: táluk Tiruchéngod. 1810.	11 29 0'39	78 1 39'50	...	2050 2051
Trichinopoly, Ganapati s. ... <i>Trichinopoly</i>	Trichinopoly	On the platform of the pagoda built on the rocky peak called Thavumanaswámi at the northern end of the town of Trichinopoly, about $\frac{1}{2}$ a mile S. of the Cauvery river, and the same distance S. of Devadanam village: táluk Trichinopoly. 1808.	10 49 37'16	78 44 21'87	...	*
Trichinopoly, Panmalai h.s. ... <i>Punmalli Rock</i>	"	On a small hill also called Golden Rock, about $\frac{1}{2}$ a mile E. of the Trichinopoly Central Jail, and the same distance N. of Kottapatti village: táluk Trichinopoly. The station is denoted by a mark cut on the rock. 1808.	10 46 47'48	78 45 20'02	...	2047
Trichinopoly Temple (helio.)† ...	"	On the rocky peak called Thavumanaswámi at the N. end of the town: táluk Trichinopoly. The station is marked by a circle and dot cut on the flat part of the roof of the small temple on the summit of the rock, 10 or 12 feet above the floor, and about 270 feet above the street level at the base of the rock. 1870-71.	10 49 36'79	78 44 21'05	517	584 585

\* For triangles fixing this station, see the Synoptical Volume of the South-East Coast Series.

† This point is the same as Trichinopoly Temple of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Trichúr Flag-staff ... <i>Tirchoor</i>	Cochin State	In the town. 1810. ... ..	10 31 53·4	76 15 25·9	feet ...	1878 1879
Trikolam Bungalow ... <i>Tirvanangaddy</i>	Malabar	S.W. bungalow close to the town, about a mile W. of Tirurangádi, 3½ miles E.S.E. of Parpanangádi Station, and 4 miles N.N.E. of Tánúr Station, both on the S.W. Line of the Madras Railway: taluk Ernád. 1808-9.	11 2 25·9	75 57 15·6	...	...
Trimulgherry Church ...	...	<i>Vide</i> Secunderabad Church No. 1. ... ..	...	...	...	...
Trimulgherry Flag-staff ...	...	<i>Vide</i> Secunderabad Flag-staff. ... ..	...	...	...	...
Trimulgherry Hospital ...	...	<i>Vide</i> Secunderabad Hospital. ... ..	...	...	...	...
Trivandrum Pagoda ... <i>Trivandaram</i>	Travancore State	Large pagoda of the town on the road from Cape Comorin to Quilon. 1808.	8 28 52·4	76 59 10·2	...	1895 1896
Tsallakúdlúr Fort ... <i>Chullakoodloor</i>	Bellary	Turret of the village fort on the right bank of the Tungabhadra river, about 2½ miles S. by W. of Chyá-gi village, and 3 miles N.N.E. of Hatstsolli: taluk Ádoni. 1813-14.	15 49 15·7	77 4 1·5	...	...
Tsamalagudúr s. ... <i>Saumoolgoodoor S.</i>	"	About a mile E. of the village of Tsamalagudúr, 3½ miles N.W. of Bêlagal village, and 5½ miles S.E. of Nágaldinne on the main road from Ádoni: taluk Ádoni. 1812.	15 51 38·37	77 40 29·43	...	907 908
Tsanugundla h.s. ... <i>Sunnygoondloo Dr.</i>	Kurnool	On the N.E. top of one of a group of hills on which is the village of Tsanugundla, about 2½ miles N. by W. of Kóttaburuz, and 4 miles W. of the village of Eddupénta: taluk Pattikónda. The station is denoted by a pillar. 1813-14.	15 21 56·36	77 44 20·78	...	278 279
Tuagat h.s. ...	Nizam's Dominions	On a small hillock in the midst of fields, about ¼ of a mile N.N.W. of Ráyapuram village. The station consists of a solid isolated pillar of masonry, 4½ feet in height, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1871.	16 9 51·66	77 36 38·77	$\frac{1450}{3}$	343 344
Tumakónda h.s. ... <i>Toomahcondah</i>	Cuddapah	On a very high hill, about 4 miles N.W. of Váyalpád town, 2 miles N.N.E. of Chinna Têppasamudram village, and 5½ miles S.E. by E. of Mudivedu. It is on the boundary of Váyalpád and Madanapalle taluks. The station is denoted by a spacious and well-built platform surmounted by a pyramid of stones. 1812.	13 40 17·35	78 37 9·29	3605*	1428†
Tumbichináyan Hill Pillar ... <i>Toomichinaig H.</i>	Madura	About 3 miles W.S.W. of Mattakarai village, and 6 miles W.N.W. of Kallupati on the high road from Srivilliputúr to Tirumangalam: taluk Tirumangalam. 1808-9.	9 45 0·69	77 48 41·39	...	2032 2033

\* This value of height is in supersession of that printed in the Synoptical Volumes of the Madras Longitudinal Series and the Madras Meridional and Coast Series. † For two other triangles fixing this station, see the Synoptical Volumes of the Madras Longitudinal Series and the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Tumbichináyakan Rock ...	Madura	Summit of a hill rock about 3 miles W. of Sálíchandai village, and 4½ miles N.W. of Módagám on the high road from Sríviliputúr to Tirumangalam: táluk Tirumangalam. 1873.	0 1 " 9 43 22'0	0 1 " 77 48 19'4	feet 1443*	621
Tumchërla Fort ... <i>Tvomcherlah</i>	Anantapur	High turret on the middle of N. face of the fort, about 1½ miles W. by N. of the Anantapur boundary, 8½ miles E. of the Pénner river, and 2 miles N.E. of Guntapalli village: táluk Dharmavaram. 1812-13.	14 32 2'2	77 29 38'1	...	305 306
Tumengutta h.s. ... <i>Tvomaingutt S.</i>	Nizam's Dominions	On a well-known hill, about ¼ a mile E. of the village of Tumengutta on the road to the large village of Kóndanágula, and 1½ miles E.N.E. of Tumenpet. The station is marked by a circle engraved on the highest part of the ridge of white rocks on the summit. 1818-21.	16 24 16'44	78 35 59'29	1758	828
Tummala Fort ... <i>Tvomul</i>	Cuddapah	N.W. angle of the fort, about ¼ a mile S. of Tummala, 3 miles N.E. of the main road from Madanapalle to Muhammadabad, and 5½ miles S.E. of the latter: táluk Kadiri. 1812.	13 55 30'0	78 6 54'7	...	1680
Tummala Hill Pillar ... <i>Tvomul H.</i>	"	About 1½ miles E. of Tummala, and 2 miles N.E. of Vénkataráyanpalli village: táluk Kadiri. 1812.	13 55 53'00	78 8 12'87	[3395]	1493 1494
Tummalamalai h.s. ... <i>Tvomulamalli</i>	"	On the S. end of the S.W. range of hills, about 2 miles N.W. of Nallamada village, and 3 miles S.W. by S. of Vankarakunta: táluk Kadiri. The station is denoted by a mark on a platform. 1812.	14 9 48'40	78, 0 13'08	...	1621 1622
Tungabhadra Turret ... <i>Tvongabudra</i>	Nizam's Dominions	High turret on the N. bank of the Tungabhadra river where it crosses the high road to Ráichur, about 3 miles E. by N. of Rámpur on the S. bank of the same river, and 4 miles E. of the railway line. 1813-14.	15 57 6'5	77 24 11'5	...	...
Turaiyúr Hill Pagoda ... <i>Tvoraor H.P.</i>	Trichinopoly	Highest pagoda on a small isolated hill, about 2½ miles E. by S. of the large village of Turaiyúr on the high road to Trichinopoly, and 1½ miles S. by E. of Kiram-búr village: táluk Musiri. 1810.	11 8 39'4	78 40 26'7	...	†
Turukungutta, LI ...	Bangalore	<i>Vide page 16—A.</i> ... ..	12 58 33'45	77 45 12'17	$\frac{2986}{5}$	61
Turuvanúr Fort ... <i>Tvoraanoor</i>	Chitaldroog	Bastion on the N.W. angle of the fort, about 2½ miles S. of Kadamalkatte village, and 2½ miles N. of Kunabevu: táluk Chitaldroog. 1813.	14 24 3'8	76 28 41'3	[2278]	1347 1348
Tuticorin Chimney No. 1 ...	Tinnevely	Shaft of chimney of the North Cotton Screw-Press, near N. end of the town on the coast: táluk Ótapidáram. 1873-74.	8 48 36'8	78 12 10'6	...	681 682
Tuticorin Chimney No. 2 ...	"	Shaft of chimney of the South Cotton Screw-Press, near S. end of the town: táluk Ótapidáram. 1873-74.	8 47 44'7	78 11 56'2	...	683 684

\* To summit of rock.

† For triangles fixing this point, see the Synoptical Volume of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Tuticorin Church ... ..	Tinnevely	Goa Roman Catholic church in the S. quarter of the town: táluk Ótapidáram. 1874.	8 47 52·7	78 11 54·5	<i>feet</i> 68*	724
Tuticorin Convent ... ..	"	Sky-light of the Roman Catholic convent chapel in the middle of the town: táluk Ótapidáram. 1873-74.	8 48 16·8	78 11 45·9	...	685
Tuticorin Flag-staff ... .. <i>Tutacorin flag staff</i>	"	About 325 yards S.S.W. of the Port Flag-staff: táluk Ótapidáram. 1809.	8 47 52·9	78 11 57·1	...	690†
Tuticorin Light-house ... ..	"	Shaft of the newly-built (1874) light-house on Hare island known also as Pándian Tívu: táluk Ótapidáram. 1874.	8 47 7·7	78 14 20·9	...	688 689
Tuticorin Port Flag-staff ... ..	"	On the north side of the landing at the custom-house jetty: táluk Ótapidáram. 1873-74.	8 48 2·2	78 12 0·0	43·8†	686 687
Udaiyúrmalai h.s. ... .. <i>Audramali S.</i>	Travancore State	At the S. end of a small hill, about a mile E. by S. of the large village of Nurnád, the same distance N.W. of Udaiyúr, and $\frac{1}{4}$ of a mile N. of the high road from Udaiyúr to Kayenkulam. The station is marked by a circle cut on the stump of a large tree, surrounded by a high platform. 1809-10.	9 10 51·34	76 44 23·26	473	1831
Udamalpet No. 1 s. ... ..	Coimbatore	On the Treasury and Guard rooms of the new (1870) kachahri in the S.E. quarter of the town, 21·67 feet above the ground: táluk Udamalpet. The station is marked by a circle and dot out in the centre of the flat roof. 1870.	10 34 57·33	77 17 15·60	$\frac{1194\text{§}}{22}$	...
Udamalpet No. 2 s. ... ..	"	Close E. of the town, and S. of a high road going in a S.E. direction: táluk Udamalpet. 1870.	10 34 57·19	77 17 25·68	...	...
Udarkal h.s. ... .. <i>Wuderkul H.</i>	Nizam's Dominions	On the top of a range of hills, about a mile S.W. of the village of Chik Udarkal on the road from the town of Kanakgiri to that of Kushtagi, and 6 miles N.W. of the former place. 1816-17.	15 36 16·59	76 21 51·09	...	1138
Udarpidurga, XXVII <i>Ooderpee Dr. S.</i>	Anantapur	<i>Vide page 11—A. ... ..</i>	14 49 51·57	77 23 11·29	$\frac{1721}{5}$	37
Udayagiri Flag-staff ... .. <i>Oodagherry</i>	Travancore State	On a rock in the fort in the town, which is also known as Pallikurchi, on the main road from Cape Comorin to Trivandrum, the chief town of Travancore State, and $7\frac{1}{4}$ miles N.E. by E. of the sea-port town of Kóláchal. 1808.	8 14 26·1	77 22 50·5	...	1909 1910

\* Centre of roof ridge.

† For another triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.

‡ This height was obtained by observing the height of the tides on a stake driven into the bed of a sheltered pool or pit on the beach, just under the station, and measuring the actual height of the station above the mean sea-level so arrived at: the latter is obviously only approximate; but as the observations were made with some care the references to sea-level may be reckoned on as very little in error, and the height in terms thereof has been accepted as final in preference

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Udayagiri Hill Mark ... <i>Oodagherry H.</i>	Travancore State	On the highest part of a hill, about 2½ miles N.E. by E. of the town. 1808.	8 16 1' 70"	77 23 43' 91"	feet ...	1908
Udiyúr h.s. <i>Oodoormalli S.</i>	Coimbatore	On a large boulder on the eastern summit of a group of rocky hills rising about 370 feet above the adjacent plain, about ¼ of a mile S.W. of Udiyúr village on the high road from Dhárápúram to Kángyam. It lies S.W. of a small temple on the N.E. summit, and a few hundred yards E. of the boulder peak which is about 20 feet or so higher: táluk Dhárápúram. The station is marked by a circle and dot engraved on the rock <i>in situ</i> . When visited in 1870, Colonel Lambton's mark was found in good preservation, and a rough platform was built over it. 1803-6.	10 53 3' 33"	77 33 37' 23"	1275	1919
Uialdinna Mandapam s. <i>Muntapum</i>	Bangalore	On the centre of the Mandapam, 91 feet S.E. of Uialdinna Observatory. See description of the principal station of Bangalore Base-line S.W. End: táluk Bangalore. 1801. The station was re-visited in 1865-66.	13 0 40' 21"	77 37 27' 95"	...	412 413
Ukkayapalli h.s. ...	Cuddapah	On a hill which is one of a low range almost connecting the Pallakónda and Lankamalai ranges, about 3 miles N.E. by E. of the station of Cuddapah, and ¼ a mile N.W. by N. of Khajepalle. The hill is rugged, and a foot-path from Cuddapah to Siddhavattam crosses it at a distance of 3 or 4 hundred yards to the S. of the station. It is on the boundary of Cuddapah and Siddhavattam táluks. The station is denoted by a mark-stone embedded in the surface of a platform 8 feet square and 5 feet high. 1871-72.	14 30 1' 41"	78 54 26' 76"	$\frac{919}{5}$	*
Uldakod Fort <i>Undakod</i>	Nizam's Dominions	Highest turret of the fort, about ¼ of a mile N. by W. of the village of Uldakod, 6½ miles S.W. by S. of Marrikal, and 5 miles E. of Malitankod. 1813-14.	16 30 47' 2"	77 43 15' 9"	...	201
Ulpárai Fort <i>Woolpurrah</i>	"	S.W. angle of the fort of Ulpárai village on the road to Kalvakurthi town, and 4½ miles E. of Raghupatipet. 1818.	16 30 16' 2"	78 35 37' 5"	...	970
Umankal h.s. <i>Oomunkul H.</i>	Chitaldroog	On a hill, about ¼ a mile S. of Béttnagénhalli, 2½ miles N. of Tódaranhál, 1½ miles S.E. by E. of Bhínasamudra, and 3½ miles W. of Jánkónda which is ¼ a mile W. of the high road from Chitaldroog to Hóllakére: táluk Chitaldroog. The station is denoted by a platform. 1818.	14 10 23' 56"	76 18 44' 68"	[3195]	1384 1385
Umdiapur Hill Pagoda <i>Umbipooram</i>	Nizam's Dominions	White pointed pagoda on a flat-topped hill, about a mile W. of the village of Umdiapur, 3 miles E. by S. of Patanchéru, and 9¼ miles S.W. of the town of Dhúndgal. 1813-18.	17 31 7' 0"	78 20 52' 7"	...	785
Undaveli s. ...	"	In a field on a swell of land, about 2 miles W. of the village of Undaveli, and 2½ miles E. by N. of Potalpád. The station is marked by a circle and dot engraved on a slab of granite embedded in the centre of a platform of earth and stones, 7½ feet high, and 15 feet square at base and 9 feet at top. 1872.	15 56 34' 88"	78 2 50' 10"	1039	1018

\* For triangles fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Uppalagutta h.s. ... <i>Oopulgutt S.</i>	Nizam's Dominions	On a high detached hill well known in the neighbourhood, about 1½ miles S. of the village of Uppalagutta, and 8¼ miles S. by W. of Náráyanpur on the road from Nalgönda to Hyderabad. The station is marked by a circle cut on a rock surrounded by a platform. A pyramid of stones has been raised over the station. 1812.	17 2 42.76	78 57 16.03	feet 1962	949
Uppalapalli Temple ...	Cuddapah	Ball on the top of the temple known as Nagaya Deolam, close to Uppalapalli village, about 4¼ miles N.N.W. of Cuddapah town, and about mid-way between Cuddapah and Pushpagiri h.s.: táluk Cuddapah. 1872.	14 32 38.8	78 49 59.9	445	*
Uppulúr Hill Platform ... <i>Ooploor H.</i>	"	On a hill, about 1½ miles S. of the village of Uppulúr, and 4 miles N.W. by W. of the village of Kómmaddi: táluk Cuddapah. 1812.	14 34 26.31	78 25 53.91	...	1588 1589
Uráchimalai h.s. ... <i>Woorachmalla S.</i>	Coimbatore	On the top of a small isolated hill close W. of the high road from Bhaváni to Ammápet, about 2 miles N. of the former, and 3 miles E. by N. of Jambai on the high road from Bhaváni to Satyamangalam: táluk Bhaváni. The station is marked on the platform of a pagoda. 1810.	11 28 31.17	77 43 56.45	1431	1765
Uráchimalai Hill Temple ...	"	Centre of the tallest gopuram of the temple on the S. side of the hill top, 34, 49, 44 and 51 inches from the block of temples on the N. side, and 28 feet W. of Uráchimalai h.s.: táluk Bhaváni. 1869-70.	11 28 31.2	77 43 56.2	1435	502 503
Urakönda, XXXII ... <i>Ooracondah S.</i>	Anantapur	<i>Vide page 12—A.</i> ... ..	14 15 43.94	77 38 56.81	$\frac{2189}{3}$	40
Urakönda Hill Mark ... <i>Oorcoontapett H.</i>	Nizam's Dominions	On a hill, about a mile E. of the village of Urakönda, the same distance S. of Chandulpet, and 2½ miles W. of the Hyderabad boundary. 1818-19.	16 44 3.98	78 28 7.01	...	877
Urakönda h.s. ... <i>Ooracondah P.</i>	Kolár	On a prominent hill, about 1½ miles S.W. by W. of the large village of Buradagunte, ¼ of a mile S. of Ané-palli, 1½ miles W.N.W. of Apsánhalli, and the same distance N. by E. of Kutappanhalli: táluk Sidlagatta. The station is denoted by a pillar on a pagoda. 1812.	13 34 37.42	78 2 59.97	[2937†]	1662
Uratmalai h.s. ...	Malabar	On the highest point of a group of hills, about 3 miles N.N.E. of Úragam, 3¼ miles S. by E. of Nèddiyarpu on the road to Calicut, and 10¼ miles N.E. of the railway station of Tánúr. It is about 100 yards S.E. by S. of an old temple and within a few yards N. of a foot-mark engraved on the rock <i>ts sité</i> : táluk Érnád. The station is denoted by a mark-stone embedded on the top of an old pile of earth and stones. 1872. NOTE.—As Colonel Lambton's Station of Oorotemalli (fixed in 1808-9) has disappeared, all his observations have been referred to this station.	11 5 13.31	76 3 4.79	1567	1815
Uravakönda Hill Mark ...	Anantapur	On a hill, close S.E. of the village of Uravakönda, ¼ of a mile N.E. of the high road to Anantapur, and 2 miles S.E. of Búdagávi: táluk Gooty. The point is marked by a circle and dot engraved on a large boulder. 1871.	14 56 41.68	77 18 0.71	1917	389 390

\* For triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.  
† To base of pagoda.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Urugamalai, LXVI ... ..	Coimbatore	<i>Vide page 19—A</i> ... ..	11 36 54.98	77 23 25.43	$\frac{\text{feet}}{4877}$ 1	89
Utarigudda h.s. ... .. <i>Ootareegooda S.</i>	Chitaldroog	On the W. top of the highest of an extensive range of hills running nearly N. and S., about 3 miles N.E. by E. of Nérlekére, and 3½ miles W.N.W. of Yallakère on the road to Hiriyúr: táluk Hiriyúr. The station is denoted by a platform surmounted by a pile of stones, a few feet N. of an iron pillar. 1818.	13 48 42.97	76 32 50.67	3672	1801
Utkúr Fort ... .. <i>Ootkoor</i>	Nizam's Dominions	Of the town on the road from Náráyanpet to Makhtal and about 7 miles S. of the former. 1818-14.	16 38 56	77 33 13	...	997
Úttukuli h.s. ... .. <i>Wootkules P.</i>	Coimbatore	On a pagoda on a small, low and isolated hill, about 1½ miles N. of Úttukuli Station on the S.W. Line of the Madras Railway, and 1 mile N.W. of Úttukuli village: táluk Erode. 1808-9.	11 10 32.68	77 29 16.19	...	1980
Úttukuli Hill Temple	"	Gopuram of the temple about 80 feet N. by E. of Úttukuli h.s.: táluk Erode. 1870.	11 10 33.4	77 29 16.4	1139	546 547
Vadakankulam Church	Tinnevelly	Principal cross (†) over the highest dome of the Roman Catholic church of the village of Vadakankulam, about 2½ miles S. of Pêrunggudi on the high road to Vírámár-tandanallúr: táluk Nánguneri. 1869.	8 15 25.5	77 38 57.1	...	785
Vadankönda Platform <i>Wudduncondah</i>	Cuddapah	On the S.W. point of a somewhat detached group of hills, and about 1½ miles N.W. of Mustúr village at the junction of the main roads from Váyalpád and Madanapalle: táluk Madanapalle. The point is denoted by a mark in the centre of the platform. 1812.	13 34 13.72	78 39 25.38	...	1529*
Vadanúr Hill Peak ... ..	Travancore State	Mound-like summit of the Western Gháts, about 7½ miles W. by N. of Vásudevanallúr on the road from Sivagiri to Ténkási. 1874.	9 15 59	77 20 25	5715	648 649
Vadapalli Hill Platform <i>Wudderpilly H.</i>	Nizam's Dominions	Close W. of the village of Vadapalli on the road to the large village of Rájavali which is on the left bank of the Tungabhadra river. 1816-17.	15 56 7.49	77 52 37.36	...	928 924
Vaddikére s. ... .. <i>Wuddekaery</i>	Chitaldroog	About a mile S. of the village of Vaddikére, 3½ miles W. of Yérraballi on the high road from Chalakére to Hiriyúr, 2½ miles N. of Mallappanhalli, and 4½ miles E. of the large village of Aimangala on the road from Chitaldroog to Hiriyúr: táluk Hiriyúr. 1818.	14 6 8.82	76 38 27.63	...	1876 1877
Valakkavarankád Gate-way <i>Panjalamcoorchy</i>	Tinnevelly	Bruined gate-way on the W. bank of a tank, about ½ a mile W.N.W. of Valakkavarankád village, and 1½ miles N.N.E. of Otapidáram town: táluk Otapidáram. 1809.	8 55 55	78 4 35	...	†

\* For another triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

† For triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.



Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Valanáð, LXXXVII ... <i>Vullanaud H.S.</i>	Tinnevelly	<i>Vide page 23—A. ...</i>	8 42 45·47	77 55 36·13	$\frac{\text{feet}}{1030}$	115
Valasapalli h.s. ... <i>Wulsapilly</i>	Cuddapah	On an isolated hill, about 3 miles S.W. of Yérraguntla Railway Station, and 5 miles W. of Tippalur village on the high road from Bellary to Cuddapah: táluk Cuddapah. 1812.	14 36 45·00	78 32 59·72	...	1585
Valiyúr Pagoda ... <i>Valioor P.</i>	Salem	About $\frac{3}{4}$ of a mile W. by S. of Belúr village on the main road from Salem to Tumbalam, and 1 mile N. by W. of Attanúrpati on the same road: táluk Attúr. 1810.	11 42 23·0	78 26 48·7	...	1809
Valliúr Rock ... <i>Vullioor Rock</i>	Tinnevelly	About a mile W. of the high road from Ráðhápuram to Náguneri, and $4\frac{1}{4}$ miles N.N.E. of the town of Panagudi: táluk Náguneri. The point is denoted by a mark on the rock. 1808-9.	8 22 43·67	77 39 19·27	...	711
Vamikónða Hill Platform ... <i>Waumcondah</i>	Kurnool	On a hill, about $6\frac{1}{2}$ miles N.E. of the town of Chyagal-mari on the high road from Nandyál to Cuddapah, and 5 miles E. by S. of Mutyalapéd: táluk Sirvél. 1812.	15 0 52·88	78 42 59·08	...	1539 1540
Vandáði h.s. ... <i>Wundaudee H.</i>	Cuddapah	On the centre of a mass of low hills, about $1\frac{1}{2}$ miles W. by N. of Vandáði village, the same distance S. of the road from Ráyachoti to Kadiri, and $6\frac{1}{2}$ miles S.W. of the former: táluk Ráyachoti. The station is denoted by a mark in the centre of a platform. 1812.	14 0 24·39	78 42 42·02	...	1496*
Varágani Stone Shaft ...	Tinnevelly	On the highest point of a steep and rugged rock, about $3\frac{1}{2}$ miles N.W. of Shippipárat village on the high road from Sévalpati to Koilpati, and $3\frac{1}{2}$ miles E.N.E. of Kilavúr on the high road from Sankaranainárkoil to Sivakási: táluk Sankaranainárkoil. 1874.	9 16 24·5	77 46 10·8	593	642
Varalkónða h.s. ... <i>Worrelcondah P.</i>	Kolár	On a pagoda on an isolated hill, about $\frac{3}{4}$ of a mile W. by N. of the village of Varalkónða which is close W. of the road from Chikballápur to Bágenhalli, $2\frac{1}{2}$ miles S. by E. of the large village of Bichugánhalli, and $1\frac{1}{2}$ miles E.N.E. of Hiri Nágvalli: táluk Bágépalli. 1812.	13 38 8·98	77 49 14·24	[3463]	1642 1643
Vebakaramalai Hill Peak ...	Salem	Highest peak of a group of hills, about 4 miles E. of Velukurehi, 1 mile in the same direction from Kallur, and $2\frac{1}{2}$ miles S.W. of Sittur: táluk Attúr. 1869-70.	11 22 28	78 21 16	4661	505 506
Velamalai h.s. ... <i>Vaolumalli S.</i>	Travancore State	On a high range of hills running N.W. and S.E. and forming a district boundary, about $1\frac{1}{2}$ miles N. by W. of the village of Matalápuram, the same distance S.W. of Kílkamba, $3\frac{1}{2}$ miles W. by S. of the large village of Kattatakulam, and 5 miles E. by S. of the town of Pírwan. The station is denoted by a large stone in the centre of a high square platform. 1810.	9 51 5·10	76 35 32·39	579	1827
Véldurti Hill Temple ...	Kurnool	Centre of the gopuram of the white temple on a small, round, low and isolated hill, about $\frac{1}{2}$ a mile S. of the village of Véldurti on the road from Kurnool to Gooty, a little E. of the same road, and 4 miles S.E. of Togarched on the Hindri river: táluk Rámallakot. 1871.	15 32 27·0	77 58 31·6	1383	346 347

\* For two other triangles fixing this station, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Véllaimalai Hill Mark ...	Trichinopoly	On a large isolated hill, about 5 miles W. by N. of the police station of Tuvarankurchi which is $\frac{1}{4}$ of a mile E. of the high road from Madura to Trichinopoly, $1\frac{1}{2}$ miles N. by W. of Pidarampati, and $1\frac{1}{2}$ miles S.W. of Karadipati: zamíndári Marungápuri, táluk Kulitalai. 1871.	0 1 4 10 23 27·08	0 1 4 78 21 24·27	feet 2757	586 587
Véllala Pagoda ... <i>Yellaul</i>	Kurnool	In the village of Véllala, about $\frac{1}{4}$ of a mile S. of the right bank of the Kistna river, and 11 miles N. by E. of the town of Nandikotkúr: táluk Nandikotkúr. 1813.	16 0 30·7	78 21 42·0	...	902
Véllármalai h.s. ... <i>Vellarmalli</i>	Salem	On a small isolated hill, about $2\frac{1}{2}$ miles S.W. of Morappúr Railway Station, and 2 miles S.E. by E. of Gopinadampati village on the main road from the above-named railway station to Dharmapuri: zamíndári Kadatúr, táluk Úttankarai. 1802-6.	12 6 48·28	78 24 12·01	...	*
Véllera Hill Peak ...	Malabar	About 9 miles S.E. of Vayitri. 1873-74. ...	11 27 0	76 11 5	7360	†
Véllichalmalai Hill Mark ... <i>Velchelmalli</i>	Cuddapah	On a hill, about $\frac{1}{4}$ a mile E. of the road from Mekalachéru to Véllichalmalai village, and 3 miles S. of the latter: táluk Kadiri. The point is denoted by a mark on a platform. 1812.	14 7 42·95	78 22 53·10	...	1486 1487
Véllikönda h.s. ... <i>Yellicondah</i>	"	On the N.W. end of a small hill, about 2 miles N.W. of Vepamánipet, and $4\frac{1}{2}$ miles E. of Vodulapalli which is close E. of the main road from Kadiri to Pulivéndla: táluk Kadiri. The station is denoted by a mark on a platform. 1812.	14 16 49·20	78 19 10·62	...	1471 1472
Vembádishuli Hill Mark ...	Madura	On a hill, about $\frac{1}{4}$ a mile S. by W. of the village of Vembádishuli, $4\frac{1}{2}$ miles E.S.E. of Mánavanúr, and 11 miles W.N.W. of the town of Périyakulam on the high road from Kambam to Dindigul. The point is denoted by a cairn of stones. 1870-71.	10 12 13·60	77 26 44·99	8221	611 612
Vempalli Hill Pagoda ... <i>Vaimpilly H.P.</i>	Cuddapah	About a mile S.E. of the village of Vempalli on the right bank of the Pápagnni river. The high road from Cuddapah, through Vempalli village, passes by the S.W. foot of the hill: táluk Pulivéndla. 1812.	14 21 29·9	78 30 58·2	...	1596 1597
Vénkatampet Hill Pagoda ... <i>Yenkatampett P.</i>	Nizam's Dominions	White pointed pagoda on a low rock on a hill, about $\frac{1}{4}$ of a mile N.N.W. of Tídadúr on the road to Devarakönda town, and $6\frac{1}{2}$ miles N. by W. of it. 1821.	16 48 9·9	78 56 49·3	...	‡
Vepamánipet Turret ... <i>Yapmounpett</i>	Cuddapah	High turret about 3 miles E.N.E. of Talupula village on the road from Véllichalmalai to Pénukönda, and $1\frac{1}{2}$ miles N.E. by E. of Pédapalli: táluk Kadiri. 1812.	14 15 57·2	78 20 40·0	...	1575
Viappamalai Hill Pagoda ... <i>Vyopahmalli</i>	Salem	On a small isolated hill immediately W. of the junction of the roads from the villages of Pudúr, Andakalúr and Mansali, and 2 miles E. of Marapárai village: táluk Tiruchéngod. 1810.	11 24 45·1	78 7 15·0	...	1786

\* For triangle fixing this station, see the Synoptical Volume of the Madras Longitudinal Series.

† For triangles fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

‡ For triangles fixing this point, see the Synoptical Volume of the Madras Meridional and Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Vijayapati, XCIII ...	Tinnevely	<i>Vide page 25—4.</i> ...	8 12 8' 34"	77 49 2' 76"	$\frac{92}{2}$ feet	122
Vijayapuri Pagoda ... <i>Viziamungalum P.</i>	Coimbatore	Highest pagoda about $\frac{1}{4}$ a mile N. of the junction of the high roads from Pērundurai, Ūttukuli and Sengapalli, and 6 miles W.S.W. of Pērundurai: tāluk Erode. 1808-9.	11 14 53' 2"	77 32 41' 2"	...	1981
Vīrabadondrug Hill ... <i>Veerabuder Dr.</i>	Salem	About 2 $\frac{1}{2}$ miles W. of Panakamuttalu on the road to Kāveripattanam, and 2 miles N.E. by E. of Sudenahalli on the road from Pālakod to Bāyakota: tāluk Krishnagiri. 1802-6.	12 23 16	78 8 56	...	*
Virajimangalam Pagoda ... <i>Verachmunglum</i>	Coimbatore	N. of the village of Vīrajimangalam, and about 8 miles N.E. of the town of Dhārāpuram: tāluk Dhārāpuram. 1808-9.	10 46 36' 0"	77 35 46' 1"	...	2012
Vīralgolhalli h.s. ... <i>Goalapilly H.</i>	Kolār	On a hillock, about $\frac{1}{4}$ a mile S.S.W. of the village of Vīralgolhalli, 2 $\frac{1}{4}$ miles S. by W. of the town of Goribidūr, $\frac{1}{4}$ a mile S.W. by W. of Kurubarhalli, and 2 miles N.E. by N. of the large village of Bōmmasandra: tāluk Goribidūr. 1801.	13 34 40' 45"	77 33 19' 31"	[2557]	1707
Vīramalai Hill Pagoda ... <i>Vellareemalli</i>	Trichinopoly	Great pagoda on a rock at the N.W. extremity of a hill, about 1 $\frac{1}{4}$ miles E. of Tōdamangalam village: tāluk Kulitalai. 1808-9.	10 36 5' 2"	78 35 15' 0"	...	2065†
Vīramalai h.s. ... <i>Veeramalli</i>	"	On the N.W. extremity of a hill, about 1 $\frac{1}{4}$ miles E. of Tōdamangalam village, and 3 $\frac{1}{4}$ miles W. by S. of Togamalai on the high road from Manapārai Railway Station to Vaiganallūr on the Cauvery river: tāluk Kulitalai. The station is N. of the pillar. 1808-9.	10 42 37' 78"	78 24 15' 04"	...	2043 2044
Vīranadrug Turret ... <i>Veeran Droog</i>	Bellary	High turret on the highest part of a hill fort situated to the S. of the village of Vīranadrug, about 4 miles in the same direction from Kūdligi, and midway between two high roads starting S.W. and S.E. respectively from Kūdligi: tāluk Kūdligi. 1813.	14 50 38' 0"	76 25 44' 8"	...	1362 1363
Vīrapuram Fort ... <i>Veerapooram</i>	Anantapur	Highest bastion of the fort on the N. bank of the Pēnner river, about $\frac{1}{4}$ a mile N.E. of the high road to Cudapah, and 2 miles N. by W. of Vanganūr Station on the N.W. Line of the Madras Railway: tāluk Tadpatri. 1812.	14 52 19' 3"	78 6 59' 1"	...	1577
Virupachi Hill Pagoda ... <i>Virpachy H.P.</i>	Madura	About 2 miles E. of the town of Virupachi, 18 miles N.W. of Dindigul, and 10 miles N.N.W. of Kannivādi: tāluk Palni. 1808.	10 28 30' 0"	77 46 14' 5"	...	2020
Vomēkōnda, VII ...	Nizam's Dominions	<i>Vide page 7—4.</i> ...	17 23 46' 93"	77 37 55' 57"	$\frac{2171}{3}$	4

\* For triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

† For another triangle fixing this point, see the Synoptical Volume of the South-East Coast Series.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Vulimela Hill Pagoda <i>Woolimella P.</i>	... Cuddapah	About 2 miles E. of the main road from Pulivēndla to Muddanūr Railway Station, and 3 miles S.E. of Ragimanipalle village: taluk Pulivēndla. 1812.	0 1 " 14 26 40·9	0 1 " 78 17 51·7	feet ...	1466
Vutrimala Hill Turret <i>Wootrimellah</i>	... Bellary	Highest turret of a fort on a knoll, about $\frac{1}{2}$ a mile S.E. by E. of Vutrimala village, $1\frac{1}{2}$ miles S.E. of Hulikunta, and 2 miles W. of Bandri on the high road to Kúdligi: taluk Kúdligi. 1813-14.	14 59 8·5	76 27 40·5	...	1284 1285
Waddavati Hill Pagoda <i>Wudavutti H.P.</i>	... Nizam's Dominions	Spire of the pagoda on a peak in a range of hills lying N.E. and S.W., close W. of the village of Waddavati, and about a mile N.E. of Kúrkúndi. 1816-17.	16 10 51·1	76 56 54·7	...	1077
Wagangiri Hill Fort ... <i>Waganggerri H.F.</i>	... "	Square tower in the fort near the top of a fortified hill, about $3\frac{1}{2}$ miles W. of Shorapur town, and close S.E. by E. of another hill fort. 1816-17.	16 31 16·8	76 44 28·6	...	1187 1188
Walliattūr h.s. <i>Wolastoor H.</i>	... Malabar	On the highest peak of the eastern of a group of hills, about $4\frac{1}{2}$ miles E. by N. of the village of Chelimbar on the high road from Angádipuram, and 2 miles N. of Bellaram: taluk Ērnád. The station is marked by a circle. 1808-9.	11 11 20·29	75 58 53·68	...	1859
Wankōnda h.s. <i>Wamcondah</i>	... Cuddapah	On the S.W. ridge of an isolated hill, about a mile N.E. of the village of Kanapuram, and 5 miles S.S.E. of Muddanūr Station on the N.W. Line of the Madras Railway: taluk Cuddapah. The station is denoted by a platform. 1812.	14 37 19·96	78 28 3·01	...	1586 1587
Wanparti Fort <i>Wanpartees</i>	... Nizam's Dominions	S.W. angle of the fort in the town of Wanparti, about 9 miles N.W. of Pāngal. 1818-19.	16 21 53·4	78 6 41·7	...	882 883
Wantikōnda Hill Mark <i>Wanticondah</i>	... Anantapur	About $\frac{1}{2}$ of a mile S.E. of the fort of Wantikōnda, 9 miles S. of Dharmavaram, and 6 miles S.E. of Nágusamudram: taluk Dharmavaram. The point is denoted by a mark on a platform. 1812.	14 16 37·38	77 46 1·24	...	1631
Wausalai h.s. <i>Wausmalli</i>	... Malabar	On a rock, about 3 miles W. of Kumisheru on the high road to Pālgát, $3\frac{1}{2}$ miles N.W. of Kōlangod, and 1 mile N.N.W. of Pallacheri. 1810.	10 38 27·29	76 41 45·79	...	1973
Wáyútnalai Hill Peak	... "	About 26 miles N.E. of Calicut. 1873-74.	... 11 25 32	76 10 22	7673	1845*
Yadavapuram s. <i>Cuddapah Station A</i>	... Cuddapah	Near the railway line from Bellary to Madras, about 5 miles S.S.E. of the village of Vallūr, and $4\frac{1}{2}$ miles W.N.W. of the town of Cuddapah: taluk Cuddapah. 1812.	14 30 26·18	78 48 23·94	...	1603
Yádgiri Hill Mark	... Nizam's Dominions	On the highest tower of the hill fort S.W. of the town, and about $\frac{1}{2}$ of a mile N.E. of Yádgiri Railway Station. The point is denoted by a mark-stone embedded in the tower. 1871.	16 45 49·01	77 10 52·61	1793†	173 174

\* For another triangle fixing this point, see the Synoptical Volume of the Madras Longitudinal Series.

† To top of burj.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Yadulagutta h.s. ... <i>Yeddulugootta H.</i>	Nizam's Dominions	On a hill, about 1½ miles W. by N. of the large village of Anantapur on the road to Gadval town, and 4½ miles S.E. of the latter. 1816-17.	16 10 58.26	77 53 27.39	feet ...	933 934
Yamavaram Turret ... <i>Yamawaram</i>	Cuddapah	Close to the high road from Bellary to Madras, and about 2 miles W. of Muddanur Station on the N.W. Line of the Madras Railway: taluk Jammalamadugu. 1812.	14 41 55.7	78 24 23.6	...	...
Yamigudda Hill Peak <i>Yamgeegodda Peak</i>	Nizam's Dominions	A remarkable peak on the S. face of a mass of rocky mountains, about a mile E. of the fortified village of Yamigudda. 1816-17.	15 26 49	76 27 3	...	1166 1167
Yeddakonda Hill Temple	Kurnool	Centre of the gopuram of a small temple on the summit of a high round-topped hill, about ¼ a mile W. of Mettupalli village, 5 miles N.E. of Pyapali town, and ¼ of a mile S.E. of the small village of Yenigamari on the high road from Gooty to Kurnool: taluk Pattikonda. 1871.	15 17 2.8	77 50 14.7	2225	351 352
Yeldhanda Fort ... <i>Yeldundah</i>	Nizam's Dominions	N.E. angle of the inner fort of the village of Yeldhanda on the road to the town of Kalvakurthi and about 6½ miles N.N.E. of it. 1818-19.	16 44 29.9	78 35 3.1	...	866
Yeldhanda Hill Pillar <i>Yeldundah</i>	"	On a hill, about a mile S. by E. of Yeldhanda Fort. 1818-19.	16 43 37.97	78 35 15.94	...	865
Yellakonda Hill Pagoda <i>Yellaconda</i>	"	Close N. by E. of the village of Yellakonda, and about 2 miles in the same direction from Gollagudda Station of the Nizam's State Railway. 1817-18.	17 26 27.1	78 4 50.8	...	786
Yellakonda h.s. ... <i>Yellaconda S.</i>	"	On a low but conspicuous rock, about ¼ of a mile S.W. by S. of the village of Yellakonda on the road to Pungal to the N. The station is denoted by a circular platform with a mark-stone in the centre. 1818-19.	16 4 53.18	78 8 2.68	1311	207
Yellampalli Fort ... <i>Yellumpilly</i>	Kolar	Highest bastion near the E. gate-way of the fort close W. of the village of Yellampalli and E. of the road from Bagenhalli to Chintamani, about 4½ miles S.E. of the town of Bagenhalli, 2½ miles N.W. by N. of Mailpalli, and 4½ miles N.N.W. of the large village of Mittamari: taluk Bagepalli. 1812.	13 44 34.5	77 52 59.1	...	1644
Yellankunnu h.s. ...	...	<i>Vide Elamkunnu h.s. ...</i>	...	...	...	...
Yellanur Fort ... <i>Yellanoor</i>	Anantapur	S.W. angle of the fort about ¼ of a mile W. of the village of Yellanur, 1½ miles E. of the Chitravati river, and 2 miles E.N.E. of Kodumurti village: taluk Tadpatri. 1812.	14 41 48.0	78 6 39.0	...	1482
Yellari Fort ... <i>Yalair</i>	"	S.W. angle of the fort on the E. edge of a large lake, about 8 miles S.W. of Anantapur, 9 miles S. of Kudligi, and 2 miles E. of the Dharmavaram boundary: taluk Anantapur. 1812.	14 37 40.1	77 32 56.4	...	1418

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Yēllatūr Fort <i>Yettoor</i>	Nizam's Dominions	S.W. angle of the fort about 9½ miles S.W. of the town of Ghanpura, and 2 miles N.N.W. of the village of Maddikatla. 1818-19.	16 28 24.9	77 59 44.6	feet ...	879
Yēllutladurga Tree <i>Yellootlah Dr.</i>	Cuddapah	Remarkable tree on the S. point of a large mass of hills, about 3½ miles E. of Siddhavaram village on the main road from Gurrankōnda to Pēddamandēm, and 5 miles N. of the former: tāluk Vāyalpād. 1812.	13 51 2	78 38 10	...	1507 1508
Yēlmatūr h.s. <i>Yaelmatoor H.S.</i>	Coimbatore	On the highest part of a small isolated hill, about 2½ miles N.W. of the village of Yēlmatūr, 2½ miles E. of the high road from Kāngyam to Erode, and 10 miles S. of the latter: tāluk Erode. The station is denoted by a mark on a platform of stones a little way to the N.W. of a pagoda. 1810. It was refixed in 1870.	11 11 59.60	77 47 27.18	1340	1943 1944
Yēlmatūr Hill Temple	"	About 152 feet S.E. of Yēlmatūr h.s.: tāluk Erode. 1870.	11 11 58.6	77 47 28.3	...	528 529
Yēmiganūr Fort <i>Yemmanoor</i>	Bellary	Of the town, about 6½ miles E. by S. of Kampli, and 2 miles E. by N. of Nēllūdi: tāluk Bellary. The point is denoted by a mark engraved on the bastion on the S. side of the fort. 1813-14.	15 23 48.71	76 44 51.37	...	...
Yēnnēgamalai Hill Mark <i>Yaenagmullimah H.</i>	Cuddapah	On the E. top of a hill, about 2 miles S.W. by W. of the junction of the main roads from Kōttakota and Balasamudram, and 2½ miles N.W. of Tēt village: tāluk Madanapalle. 1812.	13 38 59.96	78 26 45.13	[4326]	1523 1524
Yēnnēkal h.s. <i>Yaenikuldroog</i>	Chitaldroog	On a small fortified isolated hill, close W. of the village of Yēnnēkal, about 3 miles S.S.W. of Hariyabbe, 4½ miles W. by N. of Devarankunte, and 4 miles E. by S. of Devarakote: tāluk Hiriyūr. The station is denoted by a mark in the S.W. angle of an old fort which is not on the highest part of the hill. 1813.	14 0 54.65	76 50 34.61	...	1299
Yēnūmulapalle Fort <i>Yennamulpilly</i>	Anantapur	N.W. angle of the fort in the village of Yēnūmulapalle, about 200 yards W. of the Chitrāvati river, and 4½ miles E. of the high road from Dharmavarm to Bangalore: tāluk Pēnukōnda. 1812.	14 8 39.5	77 51 33.6	...	1504
Yercaud h.s.	...	<i>Vide Shevaroy No. 2 h.s.</i> ... ..	...	...	...	...
Yērrabād Pagoda <i>Yerrawād</i>	Kurnool	In the fort of the village of Yērrabād, about 1½ miles S. of the Hindri river, and 3 miles N. by W. of Devarabanda on the main road from Bellary to Kurnool: tāluk Pattikōnda. 1812.	15 40 12.0	77 42 10.3	...	245
Yērraguddapalle Hill Tree <i>Yerraguddapilly</i>	Nizam's Dominions	Single tree on a hill, about 4½ miles E.S.E. of Utkūr on the road from Nārāyanpet to Makhtal. 1813-14.	16 37 33	77 37 0	...	...
Yērragudi Fort <i>Yerragoody</i>	Bellary	N.E. angle of the fort about 1½ miles S.E. of Bellaguppa, and 11 miles N. by E. of Kalyāndrug on the E. edge of a tank on the high road to Bellary: tāluk Rāyadrug. 1812-13.	14 42 1.6	77 12 2.0	...	1238

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Yërragunta h.s. ... ..	Bellary	On the small hill called Bekurtippa, about 3 miles S.W. of Yërragunta village, 1 mile W. of the high road from Kalyándrug to Bellary, and 3 miles N. of Nellampalli: táluk Ráyadrug. The station consists of a solid isolated pillar of masonry in the shape of a Greek cross, 4½ feet in height, with a circle and dot engraved on a half-brick inserted on top 3 feet above the ground. Astronomical observations for latitude were taken at this station. 1870-71.	14 48 23' 26"	77 0 44' 74"	$\frac{\text{feet}}{1608}$ 3	369 870
Yërragutta No. 1 h.s. <i>Yerragutt S.</i>	Nizam's Domiions	On a high double-topped hill, about 4½ miles N. of Pán-gal, and 4½ miles S. by W. of Gopálpét town. The station is denoted by a mark-stone in the centre of a circular platform. 1818-19.	16 19 3' 08"	78 10 8' 92"	2097	829
Yërragutta No. 2 h.s. <i>Yerragutt H.</i>	"	On the E. end of a hill, about 1½ miles N.E. of Lingapur, and the same distance E. by S. of Shriranganáyampalli. 1816-17.	16 1 8' 88"	77 37 14' 28"	...	942
Yërrakönda, XX* ... .. <i>Yerracondah</i>	Kolár	27½ feet N. by E. from the centre of a small temple on a hill about 2½ miles N.E. of the railway line, and 9½ miles S.E. of the Kolár Road Railway Station. The station is identical with that of Yerracondah of Colonel Lambton's triangulation of 1802, and is in the lunds of the village of Byátaráyanahalli, táluk Bowringpet. The station as built in 1866 consists of a platform enclosing a solid, circular and isolated pillar of masonry 3½ feet in diameter, which contains two marks, one engraved on the rock <i>in situ</i> and the other 2 feet above it on a stone embedded in the upper surface of the pillar. When visited by the Levelling Party in 1884-85, the station was found in good order. The directions and distances of the circumjaent villages are:—Byátaráyanahalli N. N. E., mile ½; Mád-mangala N. by E., miles 2; Nadampalle W. by S., miles 4½; and Redvarpalle E. by S., miles 3.	12 52 9' 83"	78 19 10' 84"	$\frac{3356 \cdot 79 \dagger}{5 \cdot 5}$	...
Yërrakönda, XXXIV... <i>Yerracondah S.</i>	Anantapur	<i>vide page 13—A.</i> ... ..	13 54 55' 87"	77 41 35' 48"	$\frac{2817}{3}$	46
Yërrakönda Hill Platform <i>Yerracondah</i>	Cuddapah	On the S.E. extremity of a range of hills at the foot of which the road from Madanapalle to Kalichërla passes, about a mile N.N.W. of Kóttakönda village, and 4 miles W. of Gurramkönda: táluk Madanapalle. 1812.	13 46 38' 37"	78 34 24' 64"	...	1512 1513
Yërrakönda h.s. ... .. <i>Yerracondah</i>	"	On the highest hill on the S.W. of the Yërrakönda range, about 2½ miles S.E. of the large village of Mallela on the road from Pulivéndla to Muddanúr Station on the N.W. Line of the Madras Railway, and 2½ miles N. by E. of Vudavanguntla: táluk Pulivéndla. 1812. When visited in 1872, the old mark was missing; and a mark-stone was embedded in the surface of a platform of earth and stones, 10 feet above the ground at its base	14 33 57' 98"	78 22 27' 65"	1474	1408
Yërramangalam Hill Pagoda <i>Yerramunglum</i>	Salem	Tower of the pagoda on a small isolated hill or rock, about 1½ miles N.N.E. of the village of Yërramangalam on the road from Tiruchéngod town to the Cauvery river, and 7½ miles S.S.W. of the former: táluk Tiruchéngod. 1808.	11 16 58' 4"	77 53 4' 4"	...	1947 1948
Yërrandamalai s. ... .. <i>Yerrandamalli S.</i>	Travancore State	On rising ground on the N. bank of the Përiyár river, about a mile E. by N. of the large village of Chéndamangalam, and 2 miles N.E. of the town of Peraiyúr (Páravúr) on the high road to Kodungalúr. 1810.	10 10 41' 48"	76 18 35' 85"	116	1825

\* This station appertains to the Madras Longitudinal Series.

† To top of rectangular protecting pillar, the height of which above circular pillar is 3½

CO-ORDINATES AND DESCRIPTIONS OF ALL STATIONS AND POINTS.

Name of Station or Point	District	Description	Latitude North	Longitude East of Greenwich	Height of Station — Height of Structure	No. of Triangle
Yërratimmarájchëru Pagoda ... <i>Cherroo P.</i>	Anantapur	Close to the S.E. angle of the fort S. of the village of Yërratimmarájchëru, E. of a large tank, and about 4½ miles W. of Gooty Railway Station: taluk Gooty. 1813-14.	0 1 " 15 9 5'5"	0 1 " 77 36 13'0"	feet [1212]	334 335
Yëttimalai, LXX ... ..	Coimbatore	<i>Vide</i> page 20—4. ... ..	11 3 50'00"	77 53 14'28"	618.95* 2'0.	92
Zapalle Hill Mark ... .. <i>Zapalgutt</i>	Nizam's Dominions	On a hill, about 1½ miles S.E. by S. of the village of Zapalle, and 3½ miles E. of Virarëddigudda. The point is denoted by a mark on a platform. 1820-21.	17 6 13'23"	78 46 13'55"	...	964 965

\* To top of rectangular protecting pillar, the assumed height of which above circular pillar is 3.5 feet.

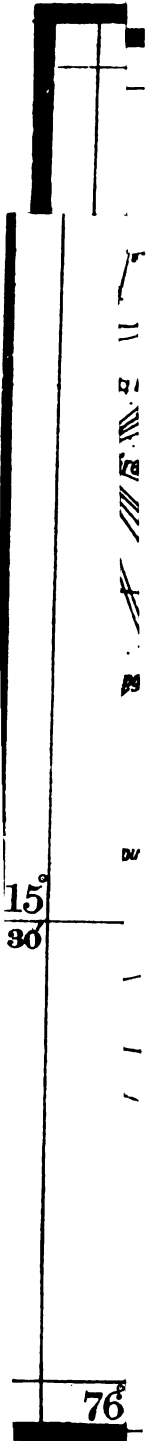
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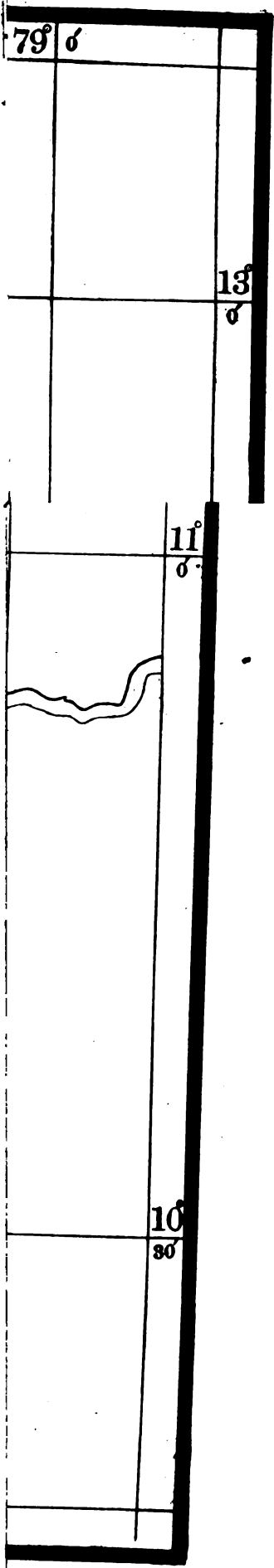
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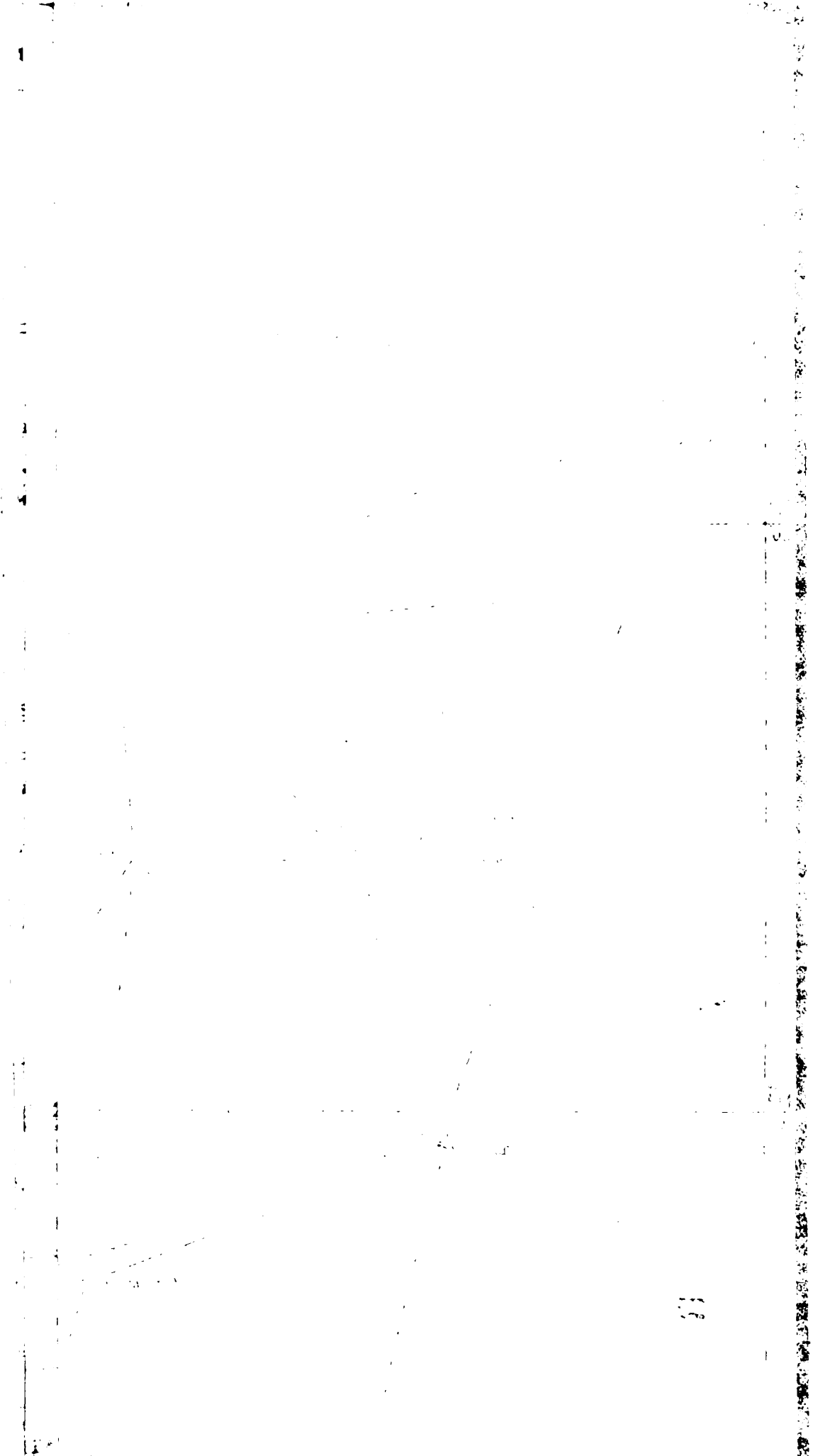


A. M. 1861

1861

IN THE YEAR 1861





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*List of Published Works of the Great Trigonometrical Survey of India.*

**An Account of the Measurement of an Arc of the meridian between the parallels of  $18^{\circ} 3'$  and  $24^{\circ} 7'$ , being a continuation of the Grand Meridional Arc of India, as detailed by the late Lieutenant-Colonel Lambton in the Volumes of the Asiatic Society of Calcutta. By Captain George Everest, of the Bengal Artillery, F.R.S., &c. London, 1830. (*Out of print*).**

**An Account of the Measurement of two Sections of the Meridional Arc of India, bounded by the parallels  $18^{\circ} 3' 15''$ ;  $24^{\circ} 7' 11''$ ; and  $29^{\circ} 30' 48''$ . By Lieutenant-Colonel Everest, F.R.S., &c., late Surveyor General of India, and his Assistants. London, 1847. (*Out of print*).**

**Account of the Operations of the Great Trigonometrical Survey of India.**

*Price Rupees 10-8 per volume.*

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| Volume | I. The Standards of Measure and the Base-Lines, also an Introductory Account of the early Operations of the Survey, during the period of 1800-1830. By Colonel J. T. Walker, R.E., F.R.S., &c., &c., Superintendent of the Survey. Dehra Dún, 1870.  |
| Do.    | II. History and General Description of the Principal Triangulation and of its Reduction. By Colonel J. T. Walker, C.B., R.E., F.R.S., &c., &c., Surveyor General of India and Superintendent of the Survey, and his Assistants. Dehra Dún, 1879.   |
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