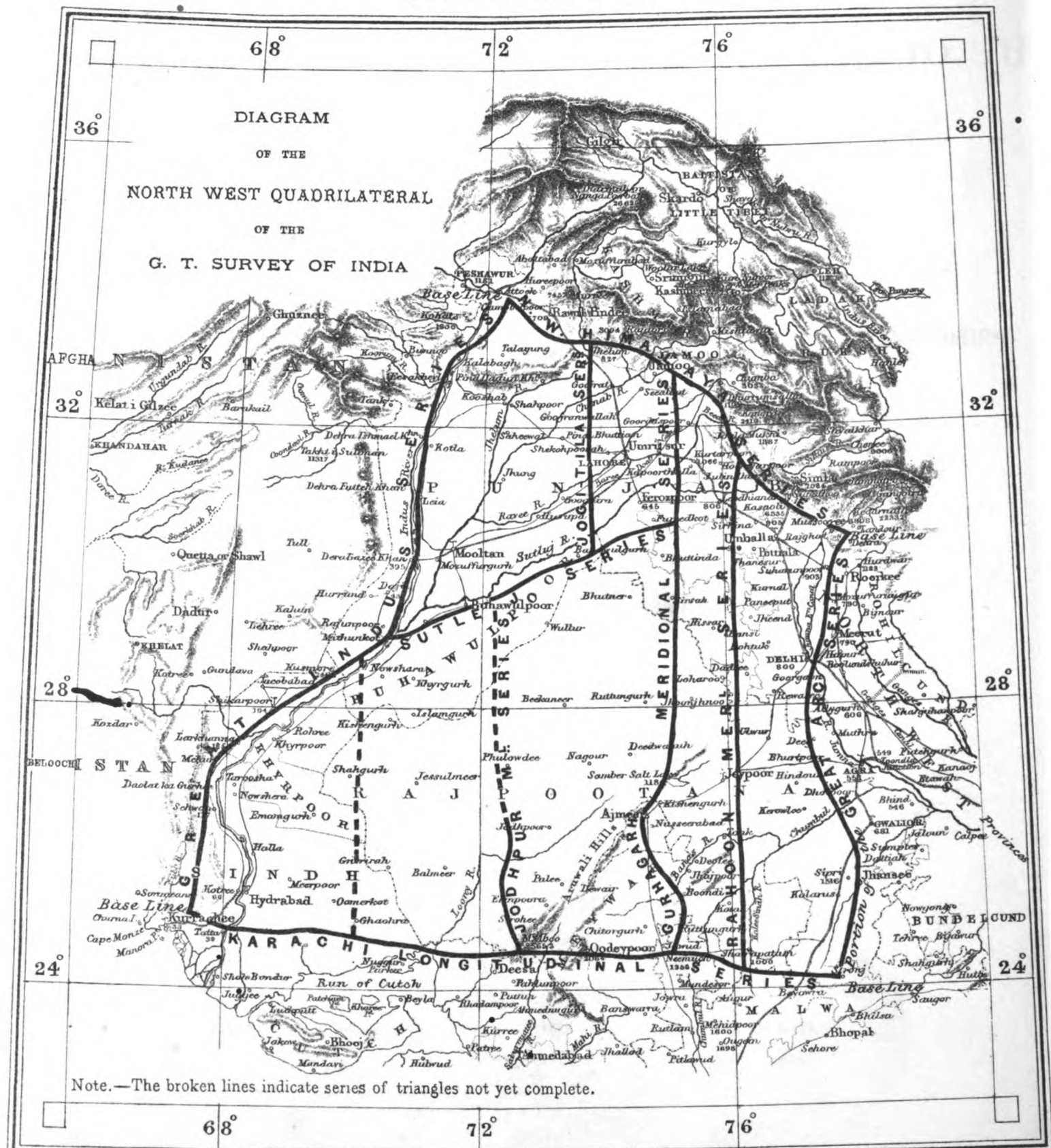


DIAGRAM
OF THE
NORTH WEST QUADRILATERAL
OF THE
G. T. SURVEY OF INDIA



Note.—The broken lines indicate series of triangles not yet complete.

SYNOPSIS OF THE RESULTS OF THE OPERATIONS OF
THE GREAT TRIGONOMETRICAL SURVEY OF INDIA

VOLUME IV.

DESCRIPTIONS AND CO-ORDINATES
OF THE
PRINCIPAL AND SECONDARY STATIONS AND OTHER FIXED POINTS OF
THE GURHAGARH MERIDIONAL SERIES
OR SERIES F
OF THE
NORTH-WEST QUADRILATERAL.

BY COLONEL J. T. WALKER, R.E., F.R.S., &c., &c.,
SUPERINTENDENT OF THE SURVEY
AND HIS ASSISTANTS.



Dehra Dun:

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M. J. O'CONNOR.

1875.

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PAGE		for	read
III—F.	line 14 from top,	Colonel	Major-General
IV—F.	in margin,	„ Bengal Engineers	„ Bombay Engineers
V—F.	„	„ „	„ „
6—F.	line 13 from top,	„ 9·2 feet high	„ countersunk about 9 feet
13—F.	„ 11 „ bottom,	„ 25·2	„ 25·58
28—F.	„ 1 „ top, col. 2,	„ 4° 7' 43"·81	„ 4° 7' 43"·18
32—F.	in triangles Nos. 163 and 164,	„ Sakráni s.	„ Sakráni Hill Temple
33—F.	„ No. 182,	„ „	„ „
35—F.	„ „ 215,	„ Tárágarh N. Cupola	„ Tárágarh Idgáh
„	„ „ 230,	„ Ráwath s.	„ Ráwath Hill Temple
„	„ „ 236,	„ XXVII	„ XXVIII
43—F.	„ Nos. 407 and 408,	„ Harni Mound	„ Harni s.
44—F.	„ „ 438 and 439,	„ Sádowáli House	„ Sádowáli No. 1 s.
48—F.	„ No. 536,	„ Kotli s.	„ Kotli No. 1 s.
52—F.	„ „ 638, line 1, cols. 4, 5, 6,	„ 4'929439 85004 16'099	„ 3'929439 8500 16'610
58—F.	„ „ 764,	„ Mulsíra	„ Mulsísar
59—F.	„ Nos. 800 and 801,	„ Sádowáli s.	„ Sádowáli No. 1 s.
76—F.	line 25 from top, col. 5,	„ Sakráni s.	„ Sakráni Hill Temple
82—F.	„ 7 „ bottom, col. 5,	„ Mulsíra.	„ Mulsísar
85—F.	„ 8 „ top, col. 5,	„ „	„ „
88—F.	„ 15 „ „ col. 3,	„ this	„ that
89—F.	„ 19 „ bottom, col. 1,	„ S.	„ s.
90—F.	„ 16 „ top, „ 3,	„ Bauri	„ Banri
92—F.	„ 8 „ „ „ 3,	„ this	„ that

The Principal Stations of this Survey, when on hills or high mounds, consist of circular or triangular masonry pillars for the large theodolites to rest on, surrounded by a platform from 10 to 16 feet square on which the observatory tent was pitched. Being invariably placed on the highest accessible points, they rarely required to be raised more than 3 or 4 feet. When in the plains, and mounds were not available, towers had to be built consisting of a central masonry pillar, surrounded by a mass of sundried bricks to the level of its surface, for the observatory tent to rest on. The pillars were perforated and mark-stones were placed in the basement, and access was obtained to the ground level mark by a passage constructed for the purpose.

The abbreviations employed in the text and on the charts at the end of the volume are as follows:—

H.S.	denotes	Hill Station	(Principal)
T.S.	„	Tower	„
h.s.	„	hill station	(secondary)
s.	„	station	„

The last two abbreviations are only placed after secondary stations where a theodolite has been set up and observations taken to surrounding stations.

The name in italics in the alphabetical list commencing on page 87—*F* is that of the district in which the point is situated.

The latitudes and longitudes of all points shown on the chart at the end of this volume and included in the list on page 123—*F* will be found in the text. Where continuous lines are drawn connecting them the distances and reciprocal azimuths will also be found; where no such lines exist these elements are not given. In cases where half the line is dotted, it is to be understood that the point at the extremity of the dotted half was observed to, but that reciprocal observations were not taken. When no observations at all have been taken from a point, the azimuths of the surrounding points are not given.

January 1875.

W. H. COLE.

PREFACE.

The triangulation, of the results of which the present volume is the Synopsis, is one of the interior chains of that considerable portion of the Principal Triangulation of the Survey of India which is known as the North-West Quadrilateral, and embraces the area included between the British Frontier-lines, on the west and north, and lines running from Central India westwards to Karáchi (Kurrachee), and northwards to the Himalayas. With the exception of two comparatively short chains of triangles, across the deserts of Sind and Rájputána, the whole of the principal triangulation of this great Quadrilateral was completed by the year 1866; the base-lines at its four corners, namely Sironj, Dehra Dún, Chach and Karáchi, on which the linear elements are dependent, had been completed several years previously. As it was then known that many years would elapse before the two remaining chains of triangles could be undertaken, and as the base-lines and the four external and all the most important internal chains had been finished, the final reduction of the Quadrilateral was commenced, without waiting for the completion of the entire figure. The general principles of the reduction, and the procedure followed in carrying it out, will be explained in Volume II of the "*Account of the Operations of the Great Trigonometrical Survey*" which is now in preparation; and full details of the whole of the principal triangulation, at present included in the Quadrilateral, will be found in Volumes III and IV, which have been printed but await publication until the completion of Volume II.

As however the whole of the contents of those volumes will not be needed by geographers and surveyors, and moreover as the volumes gave no details of the secondary triangulation—which is of considerable value for local requirements—it was obviously desirable that Synopses of the final results of the whole of the operations, including the secondary as well as the principal triangulations, should be prepared, for general use, in such a manner as to be most suitable for convenience of reference. This has already been done for the Great Indus Series, for the Karáchi Longitudinal Series, and for the section of the Great Arc which enters into the North-West Quadrilateral.

The present is the 4th of the Synoptical Volumes, and it gives the results of the whole of the triangulation of the Gurhágárh Meridional Series, both the principal—or that executed mainly with a great theodolite, having an azimuthal circle 24 inches in diameter which was read by 5 micrometer-microscopes, but partly by 18-inch and 15-inch theodolites, read by 3 microscopes—and the secondary, executed by smaller theodolites with circles of 6 to 12 inches in diameter, read by verniers.

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 single triangles and polygonal figures of which the chain is 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 North-West Quadrilateral. All secondary triangulations which emanate from one side of the principal series and close on another side thereof, or on a contiguous series, have also been made consistent throughout.

As regards the general arrangement of this volume, it is necessary to point out that the several sections have been prepared and printed at different times, and that the work has extended over several years.

The Introduction—written by Mr. W. H. Cole, M.A.—and the Descriptions of the Principal Stations, were originally prepared for Volume IV 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 the present Synopsis. The descriptions of the principal stations, pages 1—*F* to 17—*F*, were printed first of all; this was done in the year 1867, after a general programme had been drawn up for the reduction of the North-West Quadrilateral; there was then a long pause while the reduction was being completed, and then the secondary triangulation had to be adjusted in accordance therewith, which proved to be a very laborious business.

The data given in this volume are the following:—

First (page 1—*F*), an alphabetical list of the names of the principal stations, showing the numbers assigned to each, which were employed in the reductions as being more convenient to use than names.

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

Third (page 5—*F*), descriptions of the principal stations—of their structure and positions—as taken from the original records of the observations, and supplemented by an Addendum, page 17*—*F*, giving the most recent information of their condition which has been received up to date.

Fourth (page 17—*F*), the angles and sides of the principal triangles, numbered and arranged in order from south to north.

Fifth (page 22—*F*), the latitudes, longitudes and heights of the principal stations, and the azimuths at each station of the surrounding ones.

Sixth (page 30—*F*), the angles and sides of certain secondary triangles; the numbering is here 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.

Seventh (page 72—*F*), the azimuths of points surrounding the several stations of observation, the latter arranged in alphabetical order.

Eighth (page 87—*F*), the co-ordinates and descriptions of all the stations and fixed points, arranged in alphabetical order.

Ninth (page 123—*F*), an alphabetical list of points omitted in the charts from want of space on which to project them.

The heights depend on the line of levels which was carried from the tidal station of Manora, at Karáchi, through the valley of the Indus to Mittankot, and then along the left bank of the Sutlej to Ferozepore &c.; it is fully described in the Introduction to the “*Tables of heights in Sind, the Punjab, &c., Calcutta, 1863.*” All the heights were determined differentially, by the method of reciprocal vertical angles, back and forward observations being taken at each of the principal stations.

It has not been considered necessary to publish the whole of the details of the secondary triangulation; the sides and angles of 960 triangles, which were selected as most likely to be of general use, and the azimuths of all these sides, have been given; but for a considerable number of points the co-ordinates only have been given. With the aid of Nos. X, XI, and XII of the “*Auxiliary Tables to facilitate the calculations of the Survey Department of India, Dehra Doon, 1868,*” local surveyors, working on a system of rectangular co-ordinates, can readily transform these data to suit their own requirements.

From the commencement of the operations of the Trigonometrical Survey up to the present time, all the deductions of longitudes have invariably been referred, differentially, to the longitude of the Madras Observatory, taken as $80^{\circ} 17' 21''$. This value has been modified on several occasions, by the successive Government Astronomers at Madras; in the year 1869, I was—to the best of my recollection—verbally

informed by Mr. Pogson, who was then and still is the Astronomer, that the latest value was $5^{\text{h}} 20^{\text{m}} 57^{\text{s}} \cdot 3 = 80^{\circ} 14' 19'' \cdot 5$ as given in the Nautical Almanacs for 1862 and subsequent years, on the authority of his predecessor, Captain Jacob, the value in the Nautical Almanacs for 1861 and previous years being $5^{\text{h}} 21^{\text{m}} 3^{\text{s}} \cdot 77 = 80^{\circ} 15' 56'' \cdot 55$. I have long been expecting an answer to various letters which I have written to Mr. Pogson, enquiring whether my recollection of the information which he communicated to me verbally is correct, and whether any later and more accurate determination of the longitude of the observatory has been made, but hitherto no answer has been received. The following precept may however be considered as sufficiently exact for the practical requirements of surveyors and geographers,—

the whole of the longitudes given in this volume require a constant correction, probably of $-3'$.

As regards the Orthography of Indian names, I am sorry to have to state that it has not been possible to adopt a uniform system of orthography in this volume. Many years ago Colonel Everest endeavoured to bring into general use in the Survey Department Sir William Jones's method, which is at once elegant and phonical, and is highly approved of by scientific men; but that method gives to all vowels their Italian sounds; as the differences between the English and the Italian sounds are, in almost every instance, very considerable, and as it is easier to lay down rules than to find followers for them, the surveyors gradually got into the way of using *ee* for the Italian *i*, and *oo* for the Italian *u*, and of spelling generally in the manner that it is natural to most Englishmen. In 1865, when the preparation of the final results was commenced, the spellings were corrected in accordance with Sir William Jones's system, excepting in the case of well-known names—such as Meerut, Calcutta, Cawnpore—which had become settled and familiar by long use and which it would have been pedantic to alter. But in 1871 the Government of India made arrangements for the introduction of a uniform system of spelling throughout India, and circulated a "*Guide to the Orthography of Indian Proper Names, with a list showing the true spelling of Post-towns in India,*" which was prepared by Dr. W. W. Hunter, L.L.D., Director General of Statistics to the Government of India; the guide was sent to this Department with instructions that the directions it contained should be immediately complied with. Dr. Hunter's rules for spelling unfamiliar names, not given in his list of post-towns, are very similar to the rules which had been adopted in this Department, the chief difference being that the long *a*, *i* and *u* are required to be frequently un-accented, whereas by our rules they are invariably accented. In his list of post-towns Dr. Hunter has not followed a uniform system of spelling, but has effected a compromise which—in his own words—"by sacrificing something in scientific precision, obtains a spelling more accurate than at present and yet recognizable as the same name." Thus the hill station at which the Head Quarters of this Survey are located, during the summer months, is spelt ordinarily Mussoorie and scientifically Masúrí, but according to Dr. Hunter it should be spelt Masauri. In September 1873 the Government of India issued amended rules for the spelling of all names not well known, which are practically identical with those originally followed in this Department; at the same time it was ordered that the orthography of the well-known names should be retained, and that a list of all note-worthy names should be prepared, in each Province, showing the orthography to be uniformly followed, in future official correspondence and publications. When these lists are published uniformity of spelling will become possible; to what extent uniformity of system will be secured will depend on the latitude taken by the compilers of the lists in defining the number of names which are to be considered as well-known; and this is a point on which considerable differences of opinion are known to exist.

Some portions of the present volume having been printed before, and others after, the orders were received for the employment of Dr. Hunter's system, the attempts to introduce a uniform system of orthography have occasionally led to considerable diversities of spelling; but nevertheless it is believed that all the names will be generally recognizable.

The Charts accompanying this volume show the whole of the principal stations and triangulation, the positions of all the secondary points—with the exceptions specified on page 123—*F*.—and the portions of the secondary triangulation of which full details of the angles, sides and azimuths are given. With the aid of these Charts it is hoped that little difficulty will be met with in finding out any of the data contained in the volume which may be required. I must acknowledge with regret that the descriptions of the secondary stations are in some cases not as full and clear as is to 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 information given by the surveyors, whenever it was practicable to do so, in order to facilitate the future identification of the stations, and all the information which is at present forthcoming in this Office has been given.

The general arrangement of this volume, and the preparation of the data which it contains, are due, in great measure, to J. B. N. Hennessey, Esq., Deputy Superintendent 1st Grade, in charge of the Computing Office, who has taken great pains to secure the utmost possible accuracy in preparing the data and passing them through the press.

DEHRA DUN, }
January 1875. }

J. T. WALKER, COLONEL, R.E.,
Supdt. Great Trigonometrical Survey of India.

GURHAGARH MERIDIONAL SERIES.

GURHAGARH MERIDIONAL SERIES.

INTRODUCTION.

This triangulation, which follows the meridian of 75° , and extends from latitude $24^{\circ} 16'$ to $32^{\circ} 46'$, or from the district of Jáwud-Nímach in Rájputána to that of Jamú in Kashmír, was executed in two portions. The first, or southern, based on the Karáchi Longitudinal Series, was commenced in the field season of 1847-48 and during that and the two following seasons carried as far north as Ajmír, beyond which further progress was not then considered desirable. The northern portion, which originates from the North-West Himalaya Series, was undertaken during the cold season of 1859-60 and by the Spring of 1862 was brought to a successful termination by its junction with the southern section on the side c Kisanpúra-Gúdha, in latitude $26^{\circ} 30'$.

Southern Section.

Although the general plan for the triangulation of India required that a series approximating to the meridian of 75° should be carried from the Karáchi Longitudinal Series to the North-West Himalaya Series, it had not been the intention of the Surveyor General, Captain (now Colonel Sir A.S.) Waugh that it should be undertaken until much further progress had been made in other parts of the country of far greater fertility and more thickly populated than that through which this series passes. A change of programme was however brought about by the urgent representation of the Lieutenant Governor of the North West Provinces of the necessity of a Revenue Survey of Ajmír and the neighbouring territory under British domination, for which there existed no fixed points, an important requisite, the country being hilly and ill adapted to the usual method of carrying on Revenue Survey operations.

To meet this want the first plan which suggested itself to Colonel Waugh was to run a minor series from the Great Arc, along the parallel of Ajmír—neither the Rahún nor the Karáchi Series then existing—because this could be executed speedily by a couple of assistants and would relieve him from the necessity of making any alteration in the general scheme of operations by diverting a Survey party for the purpose. The following circumstance however induced him to modify this plan.

Lieutenant Rivers was at the time engaged on the Khánpisúra Series, which followed approximately the meridian of 75° , nearly that of Ajmír, and having made somewhat rapid progress, he was about bringing it to a termination, where a junction was to be formed with the Karáchi Longitudinal Series, for the commencement of which the Surveyor General was then making arrangements. Colonel Waugh, had purposed transferring Lieutenant Rivers to another meridian to execute a series parallel to the Khánpisúra, but under the circumstances just mentioned, he decided to direct him to continue his triangulation to the north as far as

Ajmír; and as the Karáchi Longitudinal Series was to be pushed on with at the same time, he anticipated having it in his power to start Lieutenant Rivers from the neighbourhood of Mount Abú to carry a meridional series to the south, so soon as he should have finished the work then assigned him. Lieutenant Rivers' directions reached him while recessing at Mhow after having in the previous season (1846-47) carried the Khánpisúra Series as far north as the side Indráwan-Arnása, in lat. $22^{\circ} 48'$.

On taking the field the following October he first selected stations as far as Jábda-Mandalgarh, a little north of latitude 25° , on the borders of the valley of the Bannás river, and then commenced final observations, setting up his instrument first on 7th January at Bisungarh. Before the end of the month he completed final observations at that station, Arnaia, Jábda and Mandalgarh and proceeded to Nál. During February he finished observations at Nál, Ját, Lohára, Málkhera, Rupoára and Changairí, and the following

month at Aramlia, Mahágarh, Búda, Jagápúr, Bálagarra, Dhamnar and Sitámau. In April he observed at Dúdália, Negrún, Lohárá, Deongri, Gúrla and Kursod.

After dismounting the theodolite at the last named station* the box containing the vertical circle and telescope, together with some property belonging to the signalmen, was carried off by thieves during the night, notwithstanding that seven village watchmen were within ten yards of the spot. The box was found next morning about 150 yards distant from the camp, the only thing missing from it being the eye-piece of the telescope. As it was not likely that thieves would appropriate anything so useless to them, a careful search was at once instituted and rewards offered for its recovery, but no trace of it could be found: no other injury was done to the instrument. Deprived of his eye-piece Lieutenant Rivers was obliged to close operations, retire to recess quarters and wait until a new eye-piece could be procured.

This cessation of operations was extremely unfortunate because there remained a hiatus between his work of this field season and that of the preceding, which precluded his computing the former during the recess and threw the office duties seriously into arrear. The habit of working backwards is always very unsafe, and, in almost all cases on record, has led to the same result as that experienced by Lieutenant Rivers.

His directions for the following season were that, on receipt of a new eye-piece for his instrument, he was to proceed to fill up the gap left in his work and then to join Captain Renny on the Karáchi Longitudinal Series, partly with the view of expediting that triangulation but chiefly for the sake of giving him an opportunity of making himself practically acquainted with the Bengal system of conducting survey operations.

The new eye-piece reached Lieutenant Rivers on the 17th November 1848 and he re-commenced work the next day at Indráwan, and before the end of that month he completed observations at that station, Kaulámátha, Dhanora and Kursod. During December he observed at the remaining stations, and having rendered his triangulation continuous he proceeded to join Captain Renny and passed the rest of the season on the Karáchi Longitudinal Series.

While the triangulation on the Khánpisúra Series just referred to was in progress, the angle books of the former season reached the Surveyor General's office, and a cursory glance at them shewed that the observations were frequently wild, owing to some unexplained

Season 1847-48

PERSONNEL.

Lieutenant H. Rivers, Bengal Engineers.

Sub-Assistants.

Mr. J. Fraser, Senior 1st Class

„ T. Sanger, Junior „

„ T. DaCosta, „ „

Season 1848-49.

PERSONNEL.

Lieutenant H. Rivers, Bengal Engineers.

Sub-Assistants.

Mr. J. Fraser, Senior 1st Class

„ T. Sanger, Junior „

„ T. DaCosta, „ „

cause. It appeared that the repetition of an intersection of an object could not be depended on within several seconds, which demonstrated that there was either something radically wrong in the system of observing or that the instrument was unfit for use. Opening a book at random, consecutive intersections of the same object (a heliotrope) shewed discordances in the readings of the microscopes A, B and C as follows:—

One instance A—13", B+25", C—22"
 a second " A—24, B+ 6, C— 7
 a third " A—19, B— 1, C— 1

whereas differences of $1\frac{1}{2}$ " or 2" were the utmost that should have been passed for the instrument in question, a Dollond's 15-inch. These enormous differences seemed to have been accepted without question, as the angle books contained no explanation or remarks regarding them.

Calling on Lieutenant Rivers for an explanation, elicited the fact that his instrument had for some time past been giving wild readings; and there was no question that it was completely out of repair and should no longer be employed for survey purposes. Colonel Waugh therefore determined to withdraw it and to supply its place with one of the two Troughton and Simms' 18-inch theodolites which were constructed in 1829-30, and formed part of the equipment brought out by Colonel Everest.

It was Colonel Waugh's intention that on receipt of this instrument Lieutenant Rivers

Season 1849-50.

PERSONNEL.

Lieutenant H. Rivers, Bengal Engineers.

Sub-Assistants.

Mr. J. Fraser, Senior 1st Class.

" T. Sanger, Junior "

" T. DaCosta " "

" C. H. Burt, 3rd Class S.A.

should continue his former triangulation until it reached the parallel of Ajmir. Accordingly on hearing that the 18-inch was *en route* he left his quarters at Mhow, in October 1849, and marched to Nimach, where he met the instrument and delivered up his own to be conveyed to Head Quarters for repair, and then started for Mandalgarh, one of the two terminal stations of his former work.

At this place he had built a platform, about half a mile distant from a fort on the same hill, and warned the Killahdár (officer in charge of the fort) not to destroy it. He was therefore extremely annoyed to find, on arrival, that his directions had been disobeyed, and on demanding an explanation from that official, the Killahdár replied that the destruction had been caused by himself and if another platform were built he would destroy that also. This of course necessitated a reference to the Political Agent to put a stop to such wilful injury, and a re-observation of all angles dependent on the station. This is merely one instance out of many of the manner in which a surveyor's temper is continually tried and Government money wasted by the ignorance and arrogance of petty officials in Native States.

The month of November was occupied in the selection of stations, and that being finished, Lieutenant Rivers commenced final observations at Kisanpúra. On first setting up his instrument he was surprised and alarmed to find that it gave differences on opposite faces of as much as 25". Captain Renny who was present when Lieut. Rivers received it, thought he recognised it as one that he himself had used, and stated that it only gave extreme differences of 5" on different zeros. Unfortunately neither of these officers took steps to verify this by setting up the instrument and making a few observations. Had they done so it would have at once appeared that it was not the same that Captain Renny had employed, but the sister instrument, which although intended by the makers to be a facsimile of the other was inferior in the graduation of the horizontal limb. Lieut. Rivers was ignorant of the qualities of the different instruments and was thus led to suppose that the one supplied to him had received some injury, the nature of which he was unable to discover. Noticing however that the mean of opposite zeros gave a near approximation to the general mean, he determined

to consider it as one measure of each angle, and proceeded with his work, in the mean time referring his difficulties to the Surveyor General for consideration. During December he completed observations at five stations.

In January, while at Dárágarh, he received the Surveyor General's reply to his letter, from which he learnt that the behaviour of his instrument was not due to any injury; but in order to test its working he was directed to try the experiment of taking three complete sets of angles on 12 zeros, 10° apart, setting his instrument to zero on each of three objects in succession and then measuring the angles between them. The result was not very satisfactory, there being a difference of $2''$ between the greatest and least determination. He noticed however that by combining 6 zeros, 20° apart, of one set with the corresponding 6 of another set, he obtained a result much nearer the general mean of all than that given by any one complete set of 12 zeros; he therefore determined during his future observations to adhere to this method. His procedure was as follows:—To set his instrument on one of the surrounding stations and observe all the angles on the zeros $0^\circ, 180^\circ, 20^\circ, 200^\circ, 40^\circ, 220^\circ$, combining the results of each pair to form one mean; he then shifted his instrument so as to make the next station on the right his zero point and observed all the angles again, treating the results in the same manner: the general mean of the six means thus obtained he adopted as the final value of the angle. His object in deriving only one value from a pair of zeros was to obtain a more correct value of the "weight" of the angle or rather what was then employed in lieu of this quantity and was called the "probability". Subsequently, for the final reduction of the triangulation by the method of minimum squares, the "weights" of these angles were computed in the usual manner.

During the month of January he observed at five stations among which were Bupki and Chichlána, but on arriving at Khámor he discovered that the ray to Kádera was obstructed by one of the towers of Khámor Fort; this had been caused by his directing the site of Kádera station to be changed to a point more to the west with the view of improving the symmetry of the triangle Amalda-Kádera-Kántola; unfortunately it was at the same time shifted to the north as well as west. This necessitated the revisiting of Bupki and Chichlána.

In February, besides observing at the two last mentioned stations, he completed operations at five others notwithstanding a serious interruption to his work about the middle of the month arising from his having been wounded by an arrow in the groin in a disturbance with some Bhíls which laid him up for several days. The greater part of the country, especially that nominally under Udaipúr was then in a very wild unsettled state and the few inhabitants, professed robbers.

It has already been stated that the station of Mandalgarh had been destroyed and as all the stations connected with it would have to be visited again, Lieutenant Rivers transferred it to a more eligible spot. There being also still some weeks of the field season remaining and his former work having been executed with a very defective instrument, he determined to avail himself of the opportunity of revising several of the angles, and to take advantage of the proximity of the Karáchi Longitudinal Series to form a direct connection with it and obtain a base independent of the doubtful work of 1848. This was effected, the doubtful angles were repeated, the old station Rupoára rejected and a new one, Mongodra, introduced, and a junction made with the side Mendki-Aramlia. Lieutenant Rivers also observed the ray Málkhera-Gopálpúra with the object of forming a double connection.

Subsequently in 1866 when the final reduction of the North-West Quadrilateral was undertaken, it was determined to retain both the old station of Rupoára and the new one of Mongodra and to consider the other stations, lying within the breadth of the Karáchi Series as belonging to the Gurhagarh Series.

During the field season 1849-50 a considerable quantity of secondary work was performed including the fixing by intersection of several stations of the Ajmír Revenue Survey. Mr. Fraser's services not being required for laying out the series, he was employed on topographical work and succeeded in completing a map shewing every village of the portion of Udaipúr between the province of Ajmír on the north, Mairwára on the west, Beruch on the south and the Bannás river. Of this tract of country very little was then known and this opportunity afforded for obtaining topographical details was too valuable to be lost.

The country traversed by the triangulation is thus described by Lieutenant Rivers.

“The southern section of the season's work is in the portion of Sindiah's territory now under British management, the central under different Jágirdárs of the Udaipúr State, the northern in the Government Province of Ajmír. Much annoyance and delay has been caused in the Udaipúr territory by the unsettled character of the country and the ignorance and arrogance of petty chiefs.

“The portion from the Longitudinal Series to the stations Mandalgarh and Jábda is in a country of table-land formation, composed of sandstone and clay-slate, the former often so fine grained as almost to assume a crystalline appearance. From those two stations, which are on the southern boundary of the valley in which the Bannás and the Beruch rivers flow, northwards to Ajmír, the whole country is a plain, the soil sandy, the hills isolated and detached and the streams absorbed two months after the rains have ceased.

“In the neighbourhood of Ajmír however there are three or four parallel ranges, usually lying in a S. W. and N. E. direction; they are narrow knife-edged ridges with precipitous sides; their formation either gneiss, mica, schist or granite; of the latter beautiful slabs are quarried in many parts.

“The highest parts of these ridges vary from 1000 to 1200 feet above the plain, the hill fort of Tárágarh (the highest) being 1400 feet and about 1200 feet above Ajmír.

“By these the drainage of the whole country is perceptibly divided, all the streams falling from their south-east faces running towards the Chambal, and those from the western being either lost in the desert or eventually falling into the Gulf of Cutch.

“To the westward the view from them is unchecked for an immense distance over an extensive plain; and in the distant horizon is seen the commencement of the Jodhpúr desert.

“To the northward a few hills are dotted about but the general aspect of the country remains the same—a sandy plain.”

The operations on this meridian now ceased for several years, Lieutenant Rivers' party being transferred to the meridian of Mount Abú to carry a series southward towards Bombay.

The section of the triangulation just described was originally, at Lieutenant Rivers request, denominated the Arumlia Series, as it approximated to the meridian of the station of that name, where he had obtained an azimuth by circumpolar star observations, which he employed as his initial value. It has recently been found convenient to include both sections under one name and that of the northern was adopted; thus the whole of the triangulation on the meridian of 75° is now departmentally known as the Gurhágárh Meridional Series.

Northern Section.

Operations were commenced on this series at the north end during 1858-59, by the Rahún

Season 1858-59.

PERSONNEL.

Major J. F. Tennant, R.E., 1st Asst. G. T. Survey.

Sub-Assistants.

Mr. C. Shelverton, 1st Class.

„ L. H. Clarke, 2nd Class.

Party, under Major Tennant, the country through which the latter series lay being too disturbed from the effects of the mutiny to admit of its being continued without risk to the safety of the instruments and the members of the survey employed.

The immediate advantages to be derived from the prosecution of the Gurhagarh Meridional Series, were the laying down of Firozpúr and the furnishing of fixed points for the incorporation of the Revenue Survey with the general map of the Panjáb.

Considerable difficulties presented themselves when the party was about to take the field. Khalásíes were very hard to obtain; the old hands not having rejoined on account of the mutiny, and several of the best men that had remained having been sent away with Mr. Keelan, new men had to be entertained. However by dint of considerable exertion the full complement was at length obtained and the party took the field on the 20th October 1858.

Major Tennant proceeded direct to Siálkot and thence detached Mr. Clarke to examine and cut rays, while he met the Deputy Commissioners of the various districts through which his work was to pass for the purpose of arranging the necessary preliminaries, and these being settled, he undertook the selection of stations. To Mr. Shelverton was assigned the duty of building them.

The selection of stations had proceeded by the end of December as far as Khakka when rain began to fall and continued with such little intermission that the out-turn of work in January and February was much impeded, not only did Major Tennant find it difficult to continue his work, but the kacha bricks prepared for the construction of the stations were destroyed by thousands—the actual number destroyed at the 12 stations selected, amounted to 785,300—and the moulders became so discouraged that they could with difficulty be persuaded to resume work.

Finding the building of stations progressing thus slowly, Major Tennant determined to leave Mr. Clarke to continue the selection alone and himself proceed to superintend their construction. He therefore returned early in March along the rays as far as Siálkot; but on arriving at that place he found that the civil authorities, to whom he had entrusted the care of his instruments during his absence, would no longer retain charge of them; not anticipating this he had brought only a small portion of his establishment with him and was therefore, from want of carriage, unable to leave the station.

Immediately on Mr. Clarke's arrival Major Tennant proceeded to take final observations, commencing at Dera station, and had reached Deolí when heavy rain again began to fall and so injured that tower that the instrument had to be removed to admit of repairs. Reports also came in that the towers of Bhúrú-Chak and Lúngí had partly fallen and that Atalgarh would require some repair.

It was now the 20th April and the country was very wet; the preparation of bricks for repair would have caused long delay, and funds were running short, having been expended in repairing damage done in the previous heavy rains. Major Tennant therefore determined to close work for the season, after protecting the towers, as far as possible, from further injury and marched for Amritsar, detaching Mr. Clarke to join Captain Montgomerie to whose party he had been posted.

Major Tennant was appointed in September 1859 to the superintendence of the Madras Observatory and the charge of the party devolved on Mr.

Season 1859-60.

PERSONNEL.

G. H. W. Shelverton Esq., Civil 2nd Assistant.

Sub-Assistants.

Mr. L. H. Clarke, 1st Class.

" W. Todd, "

" F. Bell, 2nd Class.

" H. W. C. Williams, 3rd Class.

G. Shelverton who took the field on the 8th October. On reaching Amritsar he was joined by Messrs. Clarke and Todd, who had been engaged during the hot season on survey operations in Kashmír.

Mr. Shelverton first proceeded to examine the state of the stations selected during the previous season, and having himself selected 4 more in advance he returned

to Deolí to commence final observations. In the mean time he detached Mr. Clarke to connect Firozpúr by a minor series of triangles.

Mr. Shelverton now advanced the final work from Gurhagarh H.S. to the side Rabza-Sangatpúr, a distance of nearly 100 miles. He reached the latter station in April when it became necessary to close work for the season and return to recess quarters.

In the mean time Mr. Clarke having completed the Fírozpúr minor triangulation, was directed to continue the selection of stations to the south of the Sutlej by the ray trace method and in this manner fixed on sites for 13 principal stations. In addition to this he was employed in building stations, cutting rays and connecting Mr. Hennessey's Ráví and Bári Doáb triangulation with a principal side of the Gurhagarh Series; and when his season's work was ended in the plains he proceeded to join the Kashmír Party to continue field work through the hot season.

Mr. Todd besides building towers, connected the civil station of Gurdáspúr with the main series by a chain of minor triangles and at the close of the field season he also joined the Kashmír Party.

The following season the party left Dehra about the usual time and marched for Fírozpúr,

Season 1860-61.

PERSONNEL.

G. H. W. Shelverton, Esq., Civil 2nd Assistant.

Sub-Assistants.

Mr. A. W. Donnelly, 1st Class.

" F. Bell, 2nd "

" H. W. C. Williams, 3rd Class.

" G. W. E. Atkinson, "

which they reached on November 2nd. Mr. Shelverton at once—in compliance with directions received from Colonel Waugh—detached Mr. Donnelly, to form a second connection between Fírozpúr and the main series of triangles, which the latter accomplished successfully and took the opportunity of at the same time determining the positions of Mudki and Fíroz Sháh, the former a town the latter a village well known in Indian history from the

battles fought there in 1845 between the British and Sikhs.

Mr. Shelverton himself started to inspect the approximate series that had been laid out during the previous season by Mr. Clarke; and having satisfied himself that the stations had been judiciously selected, he continued the approximate work as far as the Bikanír frontier. The season, by this time being far advanced he retraced his steps to commence final observations, leaving Mr. Donnelly to continue the approximate work to the Jaipur State through a desert tract of 90 miles.

Mr. Shelverton carried the principal triangulation as far south as Gídaránwála-Bánka, and at the same time established the position of numerous secondary points.

Mr. F. Bell aided Mr. Donnelly in triangulating the west flank of the main series and also conducted independently a small chain of triangles which closed very satisfactorily.

The work during this season was carried on with some difficulty owing to the scarcity of water, of building materials, of labour and provisions. The country traversed had suffered for three years from extreme drought; large villages, originally containing upwards of 500 families, had been deserted by all except the most well to do farmers, who were too proud to work. Wholesome water was scarcely procurable, and water even for building purposes had frequently to be conveyed from distances of 4 and 5 miles; the large reservoirs, upon which the inhabitants depended for their supply during the greater part of the year, had invariably been exhausted and the expensive kacha wells of the country barely sufficed for local wants.

On taking the field again in 1861, as the preliminary work of the series had been well

Season 1861-62.

PERSONNEL.

G. H. W. Shelverton, Esq., Civil 2nd Assistant.

Sub-Assistants.

Mr. A. W. Donnelly, 1st Class.

" M. C. Hickie, "

" F. Bell, 2nd Class.

" G. W. E. Atkinson, "

advanced during the previous year, Mr. Shelverton felt himself at liberty to commence final observations soon after reaching his ground and worked with such energy that he conducted the principal series a distance of 210 miles to its junction with the southern section. In two seasons he advanced a direct distance of 342 miles by 50 consecutive triangles covering an area of 4,454 square miles. He had previously instructed Mr. Donnelly

to continue the preliminary operations of the series from the point where they had terminated the preceding season until he should reach the southern section. Subsequently, when Mr. Donnelly had finished this, he was deputed to conduct a minor series to determine the positions of Bikanír and Nágaur, two first-class cities in the heart of the desert tract of Rájputána of which little was then known. This series which was skilfully executed in 40 days was 160 miles in length and covered an area of 2,166 square miles.

Mr. M. C. Hickie was employed on triangulation on the eastern flank of the main series and covered an area of 1,443 square miles with a net-work of triangles.

Mr. F. Bell was deputed to carry a minor series along the parallel of $29^{\circ} 30'$ to the meridian of the Jogí-Tíla Series and thence south to Bikanír to connect with Mr. Donnelly's triangulation. He was much impeded by sickness in his camp and in consequence failed to complete the work assigned him, being obliged to leave a distance of about 35 miles untriangulated.

The meridional length of the Gurhágárh Series from its most southern station, Jagápúr, to its junction with the North-West Himalaya Series at Gurhágárh is 576 miles. The divergence from the meridian of the southern section was due to a misapprehension, on Lieutenant Rivers' part, of the directions given him, which he understood were to triangulate towards Ajmír, whereas he was intended to adhere to the meridian of Anamlia until he reached the parallel of Ajmír, and then to fix the position of Revenue Survey stations by minor triangulation.

February 1874.

W. H. COLE.

ALPHABETICAL LIST OF STATIONS.

Ahmadwálá	LXIV.	Gúglá-Bhar	XXXVII.
Alkwálá	LXVI.	Gúkháwálí	LVI.
Amaldá	XIV.	Gurhágárh	XXVII.
Aramlia	XXIII.	(of N. W. Himalaya Series).	
(of Karáché Longitudinal Series).		Hastíwálá	LXXIV.
Arnaiá	X.	Jábdá	XIII.
Atalgarh	XCI.	Jagápúr	I.
Bádalgarh	XLVI.	Jandokí	LXXVIII.
Baglárá	XVI.	Ját	VI.
Bálagarra	XXIV.	Jetgarh	XXV.
(of Karáché Longitudinal Series).		Káderá	XVIII.
Bánká	LI.	Kailá-Vándar	LXI.
Bhumbá	XXXIV.	Kálá-Thal	L.
Bhúru-Chak	XCIII.	Kallá	LXXIX.
Bíramsir	XXXV.	Kántolá	XVII.
Bisungarh	XI.	Khairwálá	XLVIII.
Búda	XXI.	Khakká	LXXXVIII.
(of Karáché Longitudinal Series).		Khámor	XIX.
Bupkí	XXIII.	Khimúáná	LXV.
Changairí	III.	Khosláná	XL.
Chichláná	XV.	Kinsirrá	XXVIII.
Chowindá	LXXXIII.	Kisanpúrá	XXVI.
Chúr-Tibí	LIV.	Kunandwálá	LXIX.
Dalúwálá	LXXIII.	Lakarwálá	LXVII.
Dárágarh	XX.	Lohará	VIII.
Daraolí	LXXI.	Lúngí	XC.
Deolí	XCII.	Machí-Nangal	LXXXIV.
Derá	XXVIII.	Máhágarh	II.
(of N. W. Himalaya Series).		Maihná	LXIII.
Dhilan	LXVIII.	Mailú-Sailú	LXXXIX.
Dhírí-Kot	LXXXI.	Mairá Dás	XXXII.
Garindá	XXXVI.	Mákar Thal	XLIII.
Gar-wálí	LIX.	Málkherá	V.
Gídaránwálá	LII.	Mandalgarh	XII.
Gokal	XXI.	Máthá Chúl	XLIV.
Golwar	LXXX.	Mendkí	XXVI.
Gopálpúra	XXV.	(of Karáché Longitudinal Series).	
(of Karáché Longitudinal Series).		Mongodrá	VII.
Gúdhá	XXVII.	Moria	XXXVIII.
Gúgá	XXXIII.		

ALPHABETICAL LIST OF STATIONS—(Continued.)

Nál	IX.	Rúkhnáwálá	LXXV.
Nársirro	XLII.	Rupoára	IV.
Paká-Saráwá	LX.	Rúrkí	XCIV.
Páncchwá	XXXI.	Sangatpúr	LXXVII.
Píplí	LVIII.	Sawaipúr	LV.
Rabzá	LXXVI.	Sháhpúr	LXXXVII.
Rágpúra	XXII.	Síai	XLVII.
Rájgarh	XXIV.	Sirí	LXXXV.
Ramdás	LXXXVI.	Sirsá	LIII.
Rámgarh	XLIX.	Sodíwálá	LXXII.
Rám Thal	XLI.	Tamáláwálá	LXX.
Randáliá	XXXIX.	Thíratnáth	XXX.
Rangarri	XLV.	Thiuná	LXII.
Ranjítgarh	XCV.	Tiloká	LVII.
Rewat	XXIX.	Tung	LXXXII.

NUMERICAL LIST OF STATIONS.

XXI (of Karáchi Longitudinal Series).	Búda.	XXXI	Páncshwá.
XXIII (of Karáchi Longitudinal Series).	Aramlia.	XXXII	Mairá Dás.
XXIV (of Karáchi Longitudinal Series).	Bálagarra.	XXXIII	Gúgá.
XXV (of Karáchi Longitudinal Series).	Gopálpúra.	XXXIV	Bhumbá.
XXVI (of Karáchi Longitudinal Series).	Mendki.	XXXV	Bíramsir.
I	Jagápúr.	XXXVI	Garindá.
II	Máhagarh.	XXXVII	Gúglá-Bhar.
III	Changairí.	XXXVIII	Moria.
IV	Rupoará.	XXXIX	Randáliá.
V	Máلكherá.	XL	Khosláná.
VI	Ját.	XLI	Rám Thal.
VII	Mongodrá.	XLII	Nársirro.
VIII	Lohára.	XLIII	Mákar Thal.
IX	Nál.	XLIV	Máthá Chúl.
X	Arnaiá.	XLV	Rangarri.
XI	Bisungarh.	XLVI	Bádalgarh.
XII	Mandalgarh.	XLVII	Síai.
XIII	Jábdá.	XLVIII	Khairwálá.
XIV	Amaldá.	XLIX	Rámgarh.
XV	Chichláná.	L	Kálá-Thal.
XVI	Baglára.	LI	Bánká.
XVII	Kántolá.	LII	Gídaránwálá.
XVIII	Káderá.	LIII	Sirsá.
XIX	Khámor.	LIV	Chúr-Tibí.
XX	Dárágarh.	LV	Sawaipúr.
XXI	Gokal.	LVI	Gúkháwálí.
XXII	Rágpúra.	LVII	Tiloká.
XXIII	Bupkí.	LVIII	Píplí.
XXIV	Rájgarh.	LIX	Gar-wálí.
XXV	Jetgarh.	LX	Paká-Saráwá.
XXVI	Kisanpúra.	LXI	Kailá-Váandar.
XXVII	Gúdhá.	LXII	Thiuná.
XXVIII	Kinsirrá.	LXIII	Maihná.
XXIX	Rewat.	LXIV	Ahmadwálá.
XXX	Thíratnáth.	LXV	Khimúná.
		LXVI	Alkwálá.
		LXVII	Lakarwálá.
		LXVIII	Dhilan.

NUMERICAL LIST OF STATIONS—(Continued.)

LXIX	.	.	.	Kunandwálá.	LXXXIV	.	.	.	Machí-Nangal.
LXX	.	.	.	Tamáláwálá.	LXXXV	.	.	.	Sirí.
LXXI	.	.	.	Daraolí.	LXXXVI	.	.	.	Ramdás.
LXXII	.	.	.	Sodíwálá.	LXXXVII	.	.	.	Sháhpúr.
LXXIII	.	.	.	Dalúwálá.	LXXXVIII	.	.	.	Khakká.
LXXIV	.	.	.	Hastíwálá.	LXXXIX	.	.	.	Mailú-Sailú.
LXXV	.	.	.	Rúkhnáwálá.	XC	.	.	.	Lúngí.
LXXVI	.	.	.	Rabzá.	XCI	.	.	.	Atalgarh.
LXXVII	.	.	.	Sangatpúr.	XCII	.	.	.	Deolí.
LXXVIII	.	.	.	Jandokí.	XCIII	.	.	.	Bhúru-Chak.
LXXIX	.	.	.	Kallá.	XCIV	.	.	.	Rúrkí.
LXXX	.	.	.	Golwar.	XCV	.	.	.	Ranjítgarh.
LXXXI	.	.	.	Dhírí-Kot.	XXVII	.	.	.	Gurhággarh.
LXXXII	.	.	.	Tung.	(of N. W. Himalaya Series)	.	.	.	
LXXXIII	.	.	.	Chowindá.	XXVIII	.	.	.	Derá.
					(of N. W. Himalaya Series).				

GURHAGARH MERIDIONAL SERIES.

DESCRIPTION OF STATIONS.



XXI.—(*Of Karáchi Longitudinal Series*). Búda Station, lat. $24^{\circ} 14'$, long. $75^{\circ} 11'$, is situated in Holkar's territories. The following villages lie around the station, *viz.*, Búda, 1 mile N.E. ; Ger-rawud, due E. 2 miles ; Talláopiplá, E. by S. one-fifth of a mile ; Bájpur S.W. 0.8 mile.

Four mark-stones are placed in the solid pillar, which is 5.2 feet high, *viz.*, at level of foundation, 1.23 and 2.75 feet above it, and on top of pillar.

XXIII.—(*Of Karáchi Longitudinal Series*). Aramlia Station, lat. $24^{\circ} 25'$, long. $75^{\circ} 2'$, is in the Jawud Neemuch district. The following villages lie near the station, *viz.*, Deori, N. 2 miles ; Bijurwas, N.W. by N. $1\frac{1}{2}$ miles ; Kana-Kherá, N.W. $1\frac{1}{2}$ miles ; Rattrio, W. 2 miles ; Palsora, or Parora, a large village S.E. by S. 4 miles ; Aramlia, E. 1 mile.

The pillar is solid, and 5.42 feet high. It carries a mark-stone at the bottom, another 2 feet higher, and a third at the surface.

XXIV.—(*Of Karáchi Longitudinal Series*). Bálagarra Hill Station, lat. $24^{\circ} 10'$, long. $75^{\circ} 0'$, is situated on a high range of table-land, in zilla Jawud Neemuch. The village of Bálagarra is at the foot of the hill, and distant about 3 miles.

The pillar is solid, and 3 feet in height. It has a mark-stone at top, and a mark on the rock *in situ*.

XXV.—(*Of Karáchi Longitudinal Series*). Gopálpúra Hill Station, lat. $24^{\circ} 18'$, long. $74^{\circ} 49'$, is situated in the Jawud Neemuch district, on a range of wild hills, inhabited chiefly by Bhíls. The village of Gopálpúra is about $1\frac{1}{2}$ miles E., and that of Chota Kherá about 3 miles N.E. of the station.

The pillar is solid, and 5.17 feet high. It carries a mark-stone at the bottom, another 2 feet higher, and a third at the top.

XXVI.—(*Of Karáchi Longitudinal Series*). Mendki Hill Station, lat. $24^{\circ} 38'$, long. $74^{\circ} 56'$, is situated in the dominions of the Ráná of Udaipur, on the southern edge of the same

extensive flat range as Nimthúr H.S., Rámpúra H.S., and Nanka Húáro H.S. The town of Jawud Neemuch lies in the plain below the station towards the S.W. at a distance of 3 miles.

The pillar is solid, and 3·5 feet in height. It has a mark-stone at bottom, and another at top.

I. Jagápúr Platform Station, lat. $24^{\circ} 16'$, long. $74^{\circ} 55'$, is built on the eastern brow of a hill, distant about $\frac{1}{2}$ a mile W. of the village of that name, called also Randi. The village of Handwár is distant 1 mile to the N.W.

II. Máhagarh Platform Station, lat. $24^{\circ} 23'$, long. $75^{\circ} 14'$, is built on table-land, situated $1\frac{1}{2}$ miles E. of the village from which it takes its name. The village of Deorí is distant about 2 miles S.W.

The platform is solid, and 3 feet high. It has a mark-stone at top, and another below.

III. Changairí Platform Station, lat. $24^{\circ} 30'$, long. $74^{\circ} 53'$, is built in the S.W. corner of the village of that name. A "bar" tree stands about 60 feet N.E. of the station.

A solid pillar, 9·2 feet high, marks the station. It has a mark-stone at top, and another at bottom.

IV. Rupoará Platform Station, lat. $24^{\circ} 38'$, long. $74^{\circ} 59'$, is built on the table-land west of the village of that name, and situated on the lands of the village of Milána, which lies about 2 miles to the west.

The platform is solid, and 5 feet high. It has a mark-stone at top, and another at bottom.

V. Málkherá Hill Station, lat. $24^{\circ} 34'$, long. $75^{\circ} 9'$, is situated on the table-land to the N. of the small village from which it takes its name, and from which it is distant to the N.N.E. about $1\frac{1}{2}$ miles; thana Rámpúra of Holkar's territory. The village of Dantoli is about $1\frac{1}{2}$ miles to the S.E., and the fort of Dantoli, built on a spur of the table-land, is about $1\frac{1}{2}$ miles to the S.E.

The pillar is solid, and 7·6 feet high. It has one mark-stone at top, and another at bottom.

VI. Ját Hill Station, lat. $24^{\circ} 50'$, long. $75^{\circ} 0'$, is built on table-land about 2 miles E. of the town from which it takes its name; thana Ját, of the portion of Scindia's territory under British management.

The pillar is solid, and 2·8 feet high. It has one mark-stone at top, and another at bottom.

VII. Mongodrá Hill Station, lat. $24^{\circ} 55'$, long. $74^{\circ} 45'$, is built on the western edge of a range of table-topped hills, extending southwards to Athana, and eastwards to the Chambal river; ilaka Wajípúr of the Udaipur territories. The small Bhíl village, from which the station takes its name, is distant about $\frac{1}{2}$ a mile to the N.E., and the hill fort of Chitor, situated on an isolated flat-topped hill, is distant about 3 miles W.

The platform is solid, and 0·7 feet high. It has a mark-stone at top, and a mark on the rock *in situ*.

VIII. Lohará Hill Station, lat. $24^{\circ} 48'$, long. $75^{\circ} 15'$, is built on table-land about $1\frac{1}{2}$ miles N. of the village of that name, and about $2\frac{1}{2}$ miles S. of that of Dongurpúr.

The platform is solid, and 8 feet high. It has a mark-stone at top, and another at bottom.

IX. Nál Hill Station, lat. $25^{\circ} 4'$, long. $74^{\circ} 57'$, is built on the range of hills which forms the western boundary of the valley in which the towns of Begú and Singolí are situated; ilaka

Binchor of the portion of Scindia's territory under British management. The circumjacent villages (which consist merely of 8 or 10 Bhíl huts), with their distances and bearings are,—Nál, about 2·5 miles N.E.; Díorai, about 2·5 miles E.; Maloli, 3 miles S.E.; Bhaola, 2 miles S.W.

The pillar is solid, and 3 feet high. It has a mark-stone at top, and a mark on the rock *in situ*.

X. Arnaíá Hill Station, lat. $25^{\circ} 2'$, long. $75^{\circ} 14'$, is situated on the southern brow of the table-land running parallel to, and to the north of, the Bámni river, thana Singolí, of Scindia's ceded territory. The village from which the station takes its name is distant about 2 miles to the S.W., that of Kaoye being about 3 miles S.

The pillar is solid, and 2·7 feet high. It has a mark-stone at top, and another at bottom.

XI. Bisungarh Platform Station, lat. $24^{\circ} 59'$, long. $75^{\circ} 27'$, is situated on the S.W. corner of the terraced roof of the building within the hill fort from which it takes its name.

The pillar, 10·5 inches deep, was countersunk in the wall. It has a mark-stone at top, and another at bottom.

XII. Mandalgarh Hill Station, lat. $25^{\circ} 13'$, long. $75^{\circ} 8'$, is situated on a peaked hill about $\frac{1}{2}$ a mile N.W. of the fort after which it is named; jagir Mandalgarh of the Udaipúr territories. There is a temple on the hill within 50 feet of the station.

The pillar is solid, and 6·2 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XIII. Jábdá Hill Station, lat. $25^{\circ} 12'$, long. $75^{\circ} 20'$, is situated on a densely wooded flat-topped hill, in the Bijolí ilaka of the Udaipúr territories. The following are circumjacent villages, with their distances and bearings:—Tikkí, a small Bhíl village, 1 mile W.; Mánpúr, a deserted village, $1\frac{1}{2}$ miles E.; Tarod, $2\frac{1}{2}$ miles S.; Jábdá, $2\frac{1}{2}$ miles S.S.E.

The pillar is solid, and 2·2 feet high. It has a mark-stone at top, and another at bottom.

XIV. Amaldá Hill Station, lat. $25^{\circ} 29'$, long. $75^{\circ} 11'$, is built on a range of hills running in a north-easterly direction along the right bank of the Bannás river from Jáwal to some distance beyond Jahajpúr; ilaka Jahajpúr of the Udaipúr territories. The circumjacent villages are,—Amaldá, 0·5 miles N., Rattanpúr on the eastern, and Manúrpúr on the south-western side.

The pillar is solid, and 3·4 feet high. It has a mark engraved on the rock *in situ*, a mark-stone 1·5 feet above this, and a second mark-stone at top.

XV. Chichláná Hill Station, lat. $25^{\circ} 31'$, long. $74^{\circ} 55'$, is situated on the highest point of an isolated and conspicuous hill of that name in the Baníra jagir of the Udaipúr territories. The small village of Chichláná is not far from the foot of the hill to the N.W. About 150 yards to the N.W. of the station is a place of worship called Bhairú.

The pillar is solid, and 3 feet high. It has a mark engraved on the rock *in situ*, a mark-stone 1 foot above this, and a second mark-stone at top.

XVI. Baglára Hill Station, lat. $25^{\circ} 31'$, long. $75^{\circ} 26'$, is situated on a long ridge in thana Thanná of the Bundí territory. The small village of Bijegarh is distant about 1 mile E., and the large one of Thanná about 2 miles to the N.

The pillar is solid, and 2 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XVII. Kántolá Hill Station, lat. $25^{\circ} 47'$, long. $75^{\circ} 17'$, is situated on a hill of that name

in the jagir of Sawár. The village of Sawár is distant about 2 miles to the S.W., that of Gatiáli being about $1\frac{1}{2}$ miles to the N.E.

The pillar is solid, and 1·5 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XVIII. Káderá Hill Station, lat. $25^{\circ} 48'$, long. $75^{\circ} 4'$, is situated in thana Kekrí of the Ajmere ilaka, on a range of low sandy hillocks which lie to the W.S.W. and S. of the town of Káderá. The station takes its name from the town, and is distant from it about $1\frac{1}{2}$ miles. The boundary between the Ajmere and Kishengarh territories runs across the hills at about $\frac{1}{4}$ of a mile to the N. of the station. The village of Alambo is distant about $\frac{1}{2}$ a mile to the N.W.

The pillar, 2·7 feet deep, was countersunk into the ground; three mark-stones are placed in it, one at bottom, another 1·5 feet above this, and the third at top.

XIX. Khámor Hill Station, lat. $25^{\circ} 45'$, long. $74^{\circ} 50'$, is situated on a hill on which stands the fortress after which it is named, and the outer wall of which is distant 230 feet to the E.N.E. The village of Khámor, belonging to the Shaipúra Rájá, is about 200 yards to the E.

The pillar is solid, and 1·8 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XX. Dárágarh Hill Station, lat. $25^{\circ} 31'$, long. $74^{\circ} 42'$, situated on the lands of the village of Kátanda, is built on a hill from which its name is derived, in the jagir Baníra of the Udaipur territories. The circumjacent places, with their distances and bearings are,—Kátanda village, 0·75 miles N.E.; Baníra, a town, about 1·5 miles E., and Barin, a small village, 0·5 miles W.

The platform is 0·6 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XXI. Gokal Hill Station, lat. $25^{\circ} 44'$, long. $74^{\circ} 30'$, is situated on a small isolated hill in the Udaipur territories. It takes its name from a temple which stands on the hill at a distance of about 50 feet to the west of the station. The village of Amlísar lies about $\frac{1}{4}$ of a mile to the west, that of Barasni being about $1\frac{1}{2}$ miles to the north.

The pillar is solid, and 4 feet high. It has mark-stone at top, another 1·5 feet below this, and a mark engraved on the rock *in situ*.

XXII. Rágpúra Hill Station, lat. $26^{\circ} 4'$, long. $74^{\circ} 31'$, is situated on a steep and rocky ridge which forms the boundary between Masúdá and Beáor thanas of the Ajmere ilaka. The following are circumjacent places :—Rágpúra village, distant $\frac{1}{2}$ a mile to the W.; Deomuli village, $1\frac{1}{2}$ miles to the E., and a Revenue Survey boundary pillar, about 1 mile to the N.

The pillar is solid, and 2·3 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XXIII. Bupkí Hill Station, lat. $26^{\circ} 4'$, long. $74^{\circ} 52'$, is situated on the most eastern of a cluster of hills about Binai; thana and jagir Binai of the Ajmere ilaka. The station takes its name from a village which is not far distant.

The pillar is solid, and 1·5 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XXIV. Rájgarh Hill Station, lat. $26^{\circ} 18'$, long. $74^{\circ} 38'$, is situated on the peak of a hill, sometimes called Khora-ka-tonka, which stands on the boundary between the villages of Kotaj and Rájgarh; thana Rájgarh, ilaka Ajmere. The village of Kotaj is distant 1 mile to the N.W., the fort of Rájgarh $1\frac{1}{2}$ miles to the N.E., and a Revenue Survey station $1\frac{1}{2}$ miles to the N.E.

The pillar is solid, and 3·3 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XXV. Jetgarh Hill Station, lat. $26^{\circ} 18'$, long. $74^{\circ} 21'$, is built on a hill on which, at about $\frac{1}{2}$ a mile to the east, stands the ruined hill fort from which the name of the station is derived; thana Pisangan, ilaka Ajmere. On the same hill are,—a rudely built temple about 40 yards to the south, and a Revenue Survey station about 15 feet to the east of the station.

The platform is 1·2 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XXVI. Kisanpúrá Hill Station, lat. $26^{\circ} 31'$, long. $74^{\circ} 32'$, is situated on the narrow ridge of hills forming the N.W. boundary of the Ajmere province, and separating it from the Jodhpur state; thana Pokar, district Ajmere. The village from which the station takes its name, is about $1\frac{1}{2}$ miles S.E. of it, and the hill fort of Indargarh, in the Jodhpur state, $1\frac{1}{4}$ miles N.W.

The pillar is solid, and 9 inches high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XXVII. Gúdhá Hill Station, lat. $26^{\circ} 28'$, long. $74^{\circ} 49'$, is on the highest part of a narrow rocky ridge forming a continuation of the Rájgarh hills, and running N.E. and S.W.; thana Rámsir, district Ajmere. The village from which the name of the station is taken, lies about 1 mile W., that of Nowolko being about $1\frac{1}{4}$ miles N.E., and Srínagar, a pretty large village, 3 miles S.

The pillar is solid, and 2 feet high. It has a mark-stone at top, and a mark engraved on the rock *in situ*.

XXVIII. Kinsirrá Hill Station, lat. $26^{\circ} 54'$, long. $74^{\circ} 44'$, is built on the paka wall of a serai on the hill 1 mile S.W. of the village so called; pargana Parbatsir of the Jodhpur state.

The pillar is solid, and $12\frac{1}{4}$ inches high. It has two mark-stones, one at top, the other at bottom.

XXIX. Rewat Hill Station, lat. $26^{\circ} 54'$, long. $74^{\circ} 19'$, is built on the highest point of an isolated hill near the village of that name, in pargana Mirta of the Jodhpur state.

The pillar is solid, and 2 feet high. It has a mark-stone at top, and another at bottom.

XXX. Thírathnáth Hill Station, lat. $27^{\circ} 20'$, long. $74^{\circ} 34'$, is built on the highest hill of an isolated range, about 4 miles S.W. of the town of Dídwána, and near the village of Ráisingpúra. The summit of the hill is occupied by a fakir's house.

The pillar is solid, and 2 feet high. It has a mark-stone at top, and another at bottom.

XXXI. Pánchwá Hill Station, lat. $27^{\circ} 13'$, long. $74^{\circ} 58'$, is situated on the highest point of the range so called, in the jagir of the thakur of Pánchwá, pargana Marout of the Jodhpur state. The village of Pánchwá is about $\frac{1}{2}$ a mile to the S.E., and the hill fort, also bearing that name, is about 300 yards S.

The pillar is solid, and 2 feet high. It has a mark-stone at top, and another at bottom.

XXXII. Mairá Dás Station, lat. $27^{\circ} 36'$, long. $74^{\circ} 56'$, is built on a sand-hill about 8 miles E. of the fort of Nichbo; pargana and jagir of Sikar, district Shekawattí of the Jeypur state.

The pillar is 3 feet high. It has one mark-stone at top, and another at bottom.

XXXIII. Gúgá Hill Station, lat. $27^{\circ} 41'$, long. $74^{\circ} 38'$, is built on the highest point of

an isolated range of hills lying about 1 mile S. of the village of Lodsir ; pargana Nagour, of the Jodhpur state.

The pillar is solid, and 10 inches high. It has a mark-stone at top, and another at bottom.

XXXIV. Bhúmbá Station, lat. $27^{\circ} 47'$, long. $74^{\circ} 59'$, is built on a sand-hill about a mile E. of the villages of Bhúmbá and Basni ; pargana Lachmangarh, jagir Síkar, district Shekawattí of the Jeypur state.

The pillar is solid, and 3 feet high. It has a mark-stone at top, and another at bottom.

XXXV. Bíramsir Hill Station, lat. $28^{\circ} 2'$, long. $74^{\circ} 48'$, is built on the ruins of a small fort on an isolated hill between the villages of Bíramsir and Hardesir ; the former being about 2 miles E. by N., and the latter about the same distance W. by S. There are traces of copper to be found at the foot of the hill.

The pillar is solid, and 3 feet high. It has a mark-stone at top, and another at bottom.

XXXVI. Garindá Station, lat. $27^{\circ} 56'$, long. $75^{\circ} 4'$, is built on a sand-hill, rather less than a mile S.E. of the village of that name ; pargana Fattepúr, jagir Síkar, district Shekawattí of the Jeypur state.

The pillar is solid, and 3 feet high. It has a mark-stone at top, and another at bottom.

XXXVII. Gúglá-Bhar Station, lat. $28^{\circ} 7'$, long. $75^{\circ} 4'$, is built on a sand-hill in pargana Rámgarh, jagir Síkar, district Shekawattí of the Jeypur state. The little village of Laonda is about 1 mile to the E., and the large town of Rámgarh about 4 miles to the N.W.

The pillar is solid, and 3 feet high. It has a mark-stone at top, and another at bottom.

XXXVIII. Moria Station, lat. $28^{\circ} 13'$, long. $74^{\circ} 55'$, is built on a sand-hill, distant about 2 miles N.W. of the village of Magsir ; pargana Ratangarh of the Bikanír state.

The pillar is solid, and 6 feet high. It has a mark-stone at top, and another at bottom.

XXXIX. Randáliá Station, lat. $28^{\circ} 18'$, long. $75^{\circ} 4'$, is built on a sand-hill, situated in pargana Chúrú of the Bikanír state. The circumjacent places are as follows :—Balasir village, about $1\frac{1}{2}$ miles S.E. ; the town of Busaú, about 4 miles in the same direction, and Chúrú, about 3 miles W.

The pillar is solid, and 6·1 feet high. It has a mark-stone at top, and another at bottom.

XL. Khosláná Station, lat. $28^{\circ} 25'$, long. $74^{\circ} 55'$, is built on a sand-hill about $\frac{1}{2}$ a mile N.E. of the village of Rerikla ; pargana Chúrú of the Bikanír state.

The pillar is solid, and 6·1 feet high. It has a mark-stone at top, and another at bottom.

XLI. Rám Thal Station, lat. $28^{\circ} 30'$, long. $75^{\circ} 3'$, is built on a sand-hill situated about $\frac{1}{2}$ a mile E. by S. of the village of Muthari ; pargana Chúrú of the Bikanír state.

The pillar is solid, and 6·1 feet high, having a mark-stone at top, and another at bottom.

XLII. Nársirro Station, lat. $28^{\circ} 35'$, long. $74^{\circ} 54'$, is built on a sand-hill in the pargana of Reni, of the Bikanír state. The village of Kotwad is about $1\frac{1}{2}$ miles S.W., and the large village of Buchawas about 4 miles to the N.E.

The pillar is solid, and 6·1 feet high. It has a mark-stone at top, and another at bottom.

XLIII. Mákar Thal Station, lat. $28^{\circ} 41'$, long. $75^{\circ} 4'$, is built on a sand-hill situated about 1 mile N. of the town of Reni; pargana Reni of the Bikanír state.

The pillar is solid, and 6 feet high. It has a mark-stone at top, and another at bottom.

XLIV. Máthá Chúl Station, lat. $28^{\circ} 47'$, long. $74^{\circ} 55'$, is built on a sand-hill more than 2 miles N. of the village of Rori; pargana Reni of the Bikanír state.

The pillar is solid, and 6 feet high. It has a mark-stone at top, and another at bottom.

XLV. Rangarri Station, lat. $28^{\circ} 53'$, long. $75^{\circ} 2'$, is built on a sand-hill situated rather more than 1 mile S.E. of the village so called, and less than 1 mile N.E. of that of Chota Dherawas; pargana Bahadra of the Bikanír state.

The pillar is solid, and 6.1 feet high. It has a mark-stone at top, and another at bottom.

XLVI. Bádalgarrh Station, lat. $28^{\circ} 58'$, long. $74^{\circ} 53'$, is built on a sand-hill, distant about 1 mile N.W. of the village of Khopra; pargana Nohur of the Bikanír state.

The pillar is solid, and 6 feet high. It has a mark-stone at top, and another at bottom.

XLVII. Síai Station, lat. $29^{\circ} 1'$, long. $75^{\circ} 4'$, is built on a sand-hill about $1\frac{1}{2}$ miles S.E. of the village of Rasalána; tahsil Bahadra of the Bikanír state.

The pillar is solid, and 6.3 feet high. It has a mark-stone at top, and another at bottom.

XLVIII. Khairwálá Station, lat. $29^{\circ} 8'$, long. $74^{\circ} 53'$, is built on a sand-hill about $5\frac{1}{2}$ miles S.E. of the town of Nohur, and about 3 miles W. of the village of Burbirana; tahsil Nohur of the Bikanír state.

The pillar is solid, and 6 feet high. It has a mark-stone at top, and another at bottom.

XLIX. Rámgarh Station, lat. $29^{\circ} 13'$, long. $75^{\circ} 2'$, is built on a sand-hill about $2\frac{1}{2}$ miles N.E. of the village of Rámgarh; tahsil Nohur of the Bikanír state.

The pillar is solid, and 6.5 feet high. It has a mark-stone at top, and another at bottom.

L. Kálá-Thal Station, lat. $29^{\circ} 19'$, long. $74^{\circ} 54'$, is built on a sand-hill distant about 3 miles S. of the village of Charunwasi; pargana and tahsil Nohur of the Bikanír state.

The pillar is 10.2 feet high. It has a mark-stone at top, and another at bottom.

LI. Bánká Station, lat. $29^{\circ} 23'$, long. $75^{\circ} 1'$, is built on a conspicuous sand hillock about $1\frac{1}{2}$ miles S.W. of the village of Guria; thana Jamal, pargana, tahsil and district of Sirsa.

The pillar is solid, and 4 feet high.

LII. Gídaránwálá Station, lat. $29^{\circ} 28'$, long. $74^{\circ} 54'$, is built on a conspicuous mound (the ruins of a village) in thana Rania, tahsil, pargana and district of Sirsa. The village from which the station is named is 250 yards to the E.

The pillar is solid, and 4 feet high.

LIII. Sirsá Station, lat. $29^{\circ} 32'$, long. $75^{\circ} 4'$, is built at the western extremity of a very conspicuous mound known as the "ruins of Sirsa-Garh", adjoining the civil station of Sirsa.

The pillar is solid, and 4 feet high.

LIV. Chúr-Tibí Station, lat. $29^{\circ} 36'$, long. $74^{\circ} 54'$, is built on a sand hillock about $1\frac{1}{2}$ miles S.E. of the village of Kharian; thana Rania, tahsil and district Sirsa.

The pillar is 10 feet high.

LV. Sawaipúr Tower Station, lat. $29^{\circ} 39'$, long. $75^{\circ} 6'$, is built on an old brick-kiln distant 600 yards from the little village of that name; thana Rori, tahsil Sohuwálá, district Sirsa.

The pillar is perforated, and 30.7 feet high. It has a mark-stone at the ground level.

LVI. Gúkhawálí Tower Station, lat. $29^{\circ} 44'$, long. $74^{\circ} 55'$, is built on a mound rather more than a mile N.W. of the little village of that name; thana Rori, tahsil Sohuwálá, district Sirsa.

• The pillar is perforated, and 20.3 feet high. It has a mark-stone at the level of the ground.

LVII. Tiloká Tower Station, lat. $29^{\circ} 49'$, long. $75^{\circ} 4'$, is built on a sand-hill about $\frac{1}{2}$ a mile S.W. of the village of that name; thana Rori, tahsil Sohuwálá, pargana Guda, district Sirsa.

The pillar is perforated, and 20.6 feet high. It has a mark-stone at the level of the ground.

LVIII. Píplí Tower Station, lat. $29^{\circ} 52'$, long. $74^{\circ} 55'$, is situated about $1\frac{1}{2}$ miles N.W. of the village of that name; thana Dubwali, pargana Guda, tahsil Sohuwálá, district Sirsa. The village of Paniána is 0.8 of a mile W.

The pillar is perforated, and 22.4 feet high. It has a mark-stone at the level of the ground.

LIX. Gar-wálí Tower Station, lat. $29^{\circ} 56'$, long. $75^{\circ} 2'$, is built on a mound so named; thana Sadulgarh, pargana Chunair, tahsil Bhatinda of the Patiala territory. The village of Phulo-khari is about 0.4 of a mile to the S.W.

The pillar is perforated, and 25.3 feet high. It has a mark-stone at the ground level.

LX. Paká-Sarawá Tower Station, lat. $30^{\circ} 2'$, long. $74^{\circ} 54'$, is built on the N.W. bastion of an old fort, within the village of that name; thana and tahsil Bhatinda of the Patiala territory.

The pillar is 7 feet high.

LXI. Kailá-Vándar Tower Station, lat. $30^{\circ} 4'$, long. $75^{\circ} 3'$, is built on a high mound 0.8 of a mile S. by E. of the village of that name; thana and tahsil Bhatinda of the Patiala territory.

The pillar is perforated, and 30.3 feet high. It has a mark-stone at the ground floor.

LXII. Thiuná Tower Station, lat. $30^{\circ} 10'$, long. $74^{\circ} 52'$, stands on a low mound about 450 yards E. of the village so called; choki Kot-Bhai, thana, tahsil and pargana Mokutsur, zilla Ferozporé.

The pillar is perforated, and 30.3 feet high. It has a mark-stone at the ground level.

LXIII. Maihná Station, lat. $30^{\circ} 13'$, long. $75^{\circ} 2'$, is built on a high mound of sand 0.5 of a mile S. of the village of that name; thana Nathana, tahsil and pargana Moga, zilla Ferozporé.

The tower is 11.5 feet high.

LXIV. Ahmadwálá Station, lat. $30^{\circ} 20'$, long. $74^{\circ} 54'$, stands on a high mound $1\frac{1}{2}$ miles N.E. of the village of Mimasurja, in the territory of the Rájá of Farídkot.

The pillar is 10·6 feet high.

LXV. Khimúaná Tower Station, lat. $30^{\circ} 22'$, long. $75^{\circ} 3'$, is built on a high mound of sand 0·3 of a mile S. of the village of that name, in the territory of the Rájá of Farídkot.

The pillar is perforated, and 11·2 feet high. It has a mark-stone at the level of the ground.

LXVI. Alkwálá Station, lat. $30^{\circ} 27'$, long. $74^{\circ} 56'$, is built on a high mound of sand about 0·4 of a mile N. of the village of Jetú; thana and tahsil Jetú, in the territory of the Rájá of Nábha.

The pillar is 8 feet high.

LXVII. Lakarwálá Tower Station, lat. $30^{\circ} 31'$, long. $75^{\circ} 5'$, is built on a high mound of that name, $1\frac{1}{2}$ miles S. of the village of Sukhanand; thana Bhágá-puráná, tahsil and pargana of Moga, zilla Ferozapore.

The pillar is perforated, and 25 feet high. It has a mark-stone at the level of the ground.

LXVIII. Dhilan Tower Station, lat. $30^{\circ} 35'$, long. $74^{\circ} 56'$, stands on a high mound about $1\frac{1}{2}$ miles N.E. of the village of that name; thana and tahsil Kot-Kupoára in the territory of the Rájá of Farídkot.

The pillar is perforated, and 20·0 feet high. It has a mark-stone at the ground floor.

LXIX. Kunandwálá Tower Station, lat. $30^{\circ} 40'$, long. $75^{\circ} 4'$, is built on a mound of that name, distant about $1\frac{1}{2}$ miles S.E. of the village of Roda; thana Bhágá-puráná, tahsil Moga, zilla Ferozapore.

The pillar is perforated, and 20·9 feet high. It has a mark-stone at the level of the ground.

LXX. Tamálawálá Tower Station, lat. $30^{\circ} 45'$, long. $74^{\circ} 56'$, is built on a small mound, distant $\frac{1}{2}$ a mile S.W. of the village of Gill; thana Ghull, tahsil, pargana and zilla Ferozapore.

The pillar is perforated, and 25·2 feet high. It has a mark-stone at the level of the ground.

LXXI. Daraolí Tower Station, lat. $30^{\circ} 49'$, long. $75^{\circ} 5'$, is built on the N.W. bastion of an old fort within the large village of that name; thana Dagrú, tahsil and pargana Moga, zilla Ferozapore.

The pillar is perforated, and 20·1 feet high. It has a mark-stone at the ground floor.

LXXII. Sodíwálá Tower Station, lat. $30^{\circ} 55'$, long. $74^{\circ} 58'$, is situated 0·14 of a mile N.E. of the large village of that name; thana, tahsil and pargana Zíra, district Ferozapore. The village of Ratola is distant 1·216 miles, and that of Bakilanwálá 1·678 miles from the station.

The pillar is perforated, and 25·2 feet high. It has a mark-stone at the ground floor.

LXXIII. Dalúwálá Tower Station, lat. $30^{\circ} 59'$, long. $75^{\circ} 6'$, is situated 0·33 of a mile

N. of the little village of that name; thana, tahsil and pargana Zíra, district Ferozpore. The village of Bara Kamalpúr is distant 1·231 miles, and that of Kotorá 1·215 miles.

The pillar is perforated, and 30·2 feet high. It has a mark-stone at the level of the ground.

LXXIV. Hastíwálá Tower Station, lat. $31^{\circ} 4'$, long. $74^{\circ} 56'$, is about 0·4 of a mile S.W. of the little village of that name; choki Múlanwálá, thana, tahsil and pargana Zíra, zilla Ferozpore.

The pillar is perforated, and 30·1 feet high. It has a mark-stone at the ground floor.

LXXV. Rúkhnáwálá Tower Station, lat. $31^{\circ} 8'$, long. $75^{\circ} 5'$, is situated in choki Mulchú, thana, tahsil and pargana Zíra, district Ferozpore. The two villages from which the station takes its name are on opposite sides of it, the larger being about 200 yards away from it, and the smaller 60 yards.

The pillar is perforated, and 30 feet high. It has a mark-stone at the level of the ground.

LXXVI. Rabzá Tower Station, lat. $31^{\circ} 14'$, long. $74^{\circ} 57'$, is built on a small mound, the site of the ruined village of that name; thana Patti-Khas, tahsil and pargana of Kasúr, zilla Lahore. The village of Pangota is about 1 mile to the N., and that of Pingri rather more than $\frac{1}{2}$ a mile W.

The pillar is perforated, and 25·3 feet high. It has mark-stone at the level of the ground.

LXXVII. Sangatpúr Tower Station, lat. $31^{\circ} 18'$, long. $75^{\circ} 5'$, stands on a small mound about $\frac{1}{2}$ of a mile S.W. by S. of the village of that name; thana Sirhali, tahsil and pargana of Taran Taran, zilla Umritsur.

The pillar is perforated, and 25·3 feet high. It has a mark-stone at the ground floor.

LXXVIII. Jandokí Tower Station, lat. $31^{\circ} 22'$, long. $74^{\circ} 56'$, is situated about a mile S.W. of the village of that name, in thana, tahsil and pargana of Taran Taran, zilla Umritsur.

The pillar is perforated, and 30·0 feet high. It has a mark-stone at the level of the ground.

LXXIX. Kallá Tower Station, lat. $31^{\circ} 26'$, long. $75^{\circ} 4'$, is built at rather more than $\frac{1}{2}$ a mile W. of the village of that name; thana, tahsil and pargana Taran Taran, zilla Umritsur.

The pillar is perforated, and 30·3 feet high. It has a mark-stone at the ground floor.

LXXX. Golwar Tower Station, lat. $31^{\circ} 31'$, long. $74^{\circ} 57'$, is situated about 100 yards E. of the village of that name, near the kacha road from Umritsur to Harrike Patan; thana, tahsil and pargana of Taran Taran, zilla Umritsur.

The pillar is perforated, and 31·4 feet high. It has a mark-stone at the ground floor.

LXXXI. Dhírí-Kot Tower Station, lat. $31^{\circ} 35'$, long. $75^{\circ} 5'$, is built on a small mound not far from the Grand Trunk Road; thana Jandiálá, pargana, tahsil and zilla Umritsur. It is distant about $\frac{1}{2}$ of a mile S.W. of the village of Gairi, about $\frac{1}{2}$ mile N.W. of the village of Dhírí-Kot, and rather more than 1 mile N.E. of the encamping ground at Jandiálá.

The pillar is perforated, and 20·2 feet high. It has a mark-stone at the level of the ground.

LXXXII. Tung Tower Station, lat. $31^{\circ} 39'$, long. $74^{\circ} 57'$, is built near the high road to

Batálá, and takes its name from the villages of Tung Khurd and Tung Kalán in its vicinity; thana, tahsil, pargana and zilla Umritsur. The town of Umritsur is about 3 miles S.W. of the station.

The pillar is perforated, and 30 feet high. It has a mark-stone at the level of the ground.

LXXXIII. Chowindá Station, lat. $31^{\circ} 43'$, long. $75^{\circ} 6'$, is built on a bastion of a ruined fort, in thana Kuttu Nangal, pargana, tahsil and zilla Umritsur. The village of Chowindá is noted for having the shrine of a Deví, and also for its annual fair.

The pillar is 5.1 feet high. It has a mark-stone at top, and another at bottom.

LXXXIV. Machí-Nangal Tower Station, lat. $31^{\circ} 48'$, long. $74^{\circ} 57'$, is situated about 300 yards N.W. of the little village of that name; thana and tahsil Ajnálá, pargana Saorian, zilla Umritsur.

The pillar is perforated, and 30 feet high. It has a mark-stone at the level of the ground.

LXXXV. Sirí Tower Station, lat. $31^{\circ} 53'$, long. $75^{\circ} 7'$, stands on a small mound near the left bank of a branch of the Baree Doab Canal, about $\frac{1}{2}$ mile N.W. of the village bearing that name; choki Fattegarh, thana, tahsil and pargana Batálá, zilla Goordaspore.

The pillar is perforated, and 25.3 feet high. It has a mark-stone at the ground floor.

LXXXVI. Ramdás Tower Station, lat. $31^{\circ} 58'$, long. $74^{\circ} 58'$, takes its name from a large town about 1 mile to the N.W.; thana and tahsil Ajnálá, pargana Saorian, zilla Umritsur.

The pillar is perforated, and 29.3 feet high. It has a mark-stone at the ground level.

LXXXVII. Sháhpúr Tower Station, lat. $32^{\circ} 2'$, long. $75^{\circ} 8'$, is built on a mound near the high road from Goordaspore to Dera Bába Nának, and about equidistant from the villages of Sháhpúr-Goralla and Kadian, from the latter of which places it is separated by a narrow marsh; thana Dera Bába Nának, tahsil and pargana Batálá, zilla Goordaspore.

The pillar is perforated, and 25.1 feet high. It has a mark-stone at the bottom.

LXXXVIII. Khakká Tower Station, lat. $32^{\circ} 6'$, long. $74^{\circ} 58'$, is built on a little mound about 600 yards S.E. of the village of that name; thana and pargana Narowal, tahsil Rana, zilla Umritsur.

The pillar is perforated, and 29.6 feet high. It has a mark-stone at the level of the ground.

LXXXIX. Mailú-Sailú Tower Station, lat. $32^{\circ} 11'$, long. $75^{\circ} 7'$, is built on the S.E. bastion of a ruined fort in the village after which it is named, and which is situated on rather a conspicuous mound; choki Dode, thana Naina Kot, pargana and tahsil Shukurgarh, zilla Goordaspore.

The pillar is perforated, and 15.1 feet high. It has a mark-stone at the level of the ground.

XC. Lúngí Tower Station, lat. $32^{\circ} 16'$, long. $74^{\circ} 59'$, is situated about 200 yards S.W. of the little village from which it derives its name; thana, pargana and tahsil of Zaffarwál, zilla Sealkot. The village of Langarkí is distant W. about $\frac{1}{2}$ of a mile.

The pillar is perforated, and 29.6 feet high. It has a mark-stone at the ground floor.

XCI. Atalgarh Tower Station, lat. $32^{\circ} 19'$, long. $75^{\circ} 9'$, is built on the S.E. bastion of the inner quadrangle of a ruined fort standing on a very conspicuous mound, and distant about 300 yards N.E. of the village of Sohokra; thana Chamal, tahsil Shukargarh, zilla Goordaspore.

The pillar is perforated, and 14.9 feet high. It has a mark-stone at the ground floor.

XCII. Deolí Tower Station, lat. $32^{\circ} 25'$, long. $74^{\circ} 59'$, is built on the remains of a fort at the N.W. corner of the village from which it takes its name; thana, pargana and tahsil Zaffarwál, zilla Sealkot.

The pillar is perforated, and 25.5 feet high. It has a mark-stone at the ground floor.

XCIII. Bhúrú-Chak Tower Station, lat. $32^{\circ} 27'$, long. $75^{\circ} 9'$, is situated about 250 yards S.W. of the village of that name, in the high ground stretching away from the foot of the outermost sandstone ridge; thana Chamal, choki Ghumraola, tahsil Shukargarh, zilla Goordaspore.

The pillar is perforated, and 25.4 feet high. It has a mark-stone at the ground level.

XCIV. Rúrkí Tower Station, lat. $32^{\circ} 26'$, long. $74^{\circ} 46'$, is built at the N.W. angle of the site of an ancient fort, situated on a high mound due N.W. of the village of Rúrkí; thana Khakhanwálí, pargana Zaffarwál, zilla Sealkot.

The pillar is perforated, and 15 feet high. It has a mark-stone at the ground floor.

XCV. Ranjítgarh Tower Station, lat. $32^{\circ} 35'$, long. $74^{\circ} 40'$, is built in the old fort of that name, close to the road from Sealkot to Chaprá and Jammú, and distant about 7 miles from the station of Sealkot; zilla, pargana and thana of Sealkot.

The pillar is perforated, and 20.5 feet high. It has a mark-stone at the ground floor.

XXVII.—(*Of North-West Himalaya Series*). Gurhagarh Hill Station, lat. $32^{\circ} 38'$, long. $75^{\circ} 5'$, is situated on the outer range of the Himalayas, about 5 miles N.W. of Sámhá, 18 miles E. of Jammú, 2 miles W. of the famous temple of Attarbení, and some 2 miles N. of the village after which it is named.

The pillar is 2 feet high. It carries a mark-stone at top, and another at bottom.

XXVIII.—(*Of North-West Himalaya Series*). Derá Station, lat. $32^{\circ} 46'$, long. $74^{\circ} 41'$, is situated on the site of an old village in pargana Goozerat, thana Bajwás, maoza Barísir, and district Goozerat. The village from which it takes its name is N.E. at about 0.4 of a mile.

The pillar is solid, and 2 feet high. It contains a mark-stone at top, and another at bottom.

NOTE.—Consequent on modern alterations of district and other boundaries, the sites occupied by the stations are now included in civil divisions of territory which differ frequently from the district, pargana or village, recorded in the preceding descriptions of stations: a suitably modified statement of the sub-divisions in question is accordingly given in the following table and is derived chiefly from the annual reports, up to 1874, made by the Civil Officials to whose care the stations have been committed.

It has become customary in modern times to erect a square protecting pillar at Principal Stations over the circular pillar on which the large theodolite stood and which carries the true mark-stone; where this has been done the square pillar bears a sufficiently accurate mark for Topographical and Revenue Survey purposes, so that it is generally unnecessary to refer to the true mark-stone which thus remains concealed and protected.

No.	Local name	District	Pargana, &c.	Village	Remarks
XXI	}	Holkar State	Táluka Nárá- angarh	Búda	Visited by Lieut. W. J. Heaviside, R. E., of the G. T. Survey in February 1869.
XXIII		Gwalior Territory	Par. Nímach (Neemuch)	Aramlia	
XXIV		Scindia		Bálagarra	
XXV		"		Gopálpúra	The solid platform had disappeared in 1873 and been replaced by earth work.
XXVI		Udaipúr		Mendki	
I		Scindia		Jagápúr	
II		Holkar State	Táluka Munasa	Máhágarh	
III		Scindia		Changairí	
IV		Udaipúr		Milána	A wooden post denoted the station in 1873.
V		Holkar State	Táluka Gurote	Málkhera	
VI		Scindia	Thá. Ját		Visited by Lieut. A. E. Downing of the Topographical Survey in January 1868. Do. do.
VII		Udaipúr	Iláka Wajípúr	Mongodra	
VIII	Scindia		Lohára		
IX	"	Iláka Binchor	Nál		
X	"	Thá. Singolí	Arnaia		
XI	"		Bisungarh		
XII	Udaipúr	Jágir Mandal- garh			
XIII	"	Iláka Bijolí	Jábda		
XIV	"	" Jahájpúr	Amalda		
XV	"	Jágir Banira	Chichlána		
XVI	Búndí	Thá. Thanna			
XVII	Ajmír	Par. Sawár	Sawár		
XVIII	Kádera	"	Tah. Ajmír Par. Kekrí	Kádera	
XIX	}	Meywar (Udaipúr)	Par. Sháh-púra	Khámor	In December 1868 Lieut. W. J. Heaviside, R. E., of the G. T. Survey found the upper mark-stone removed. He rebuilt the pillar to a height of about 2 feet and placed a mark-stone at the top.
XX		Udaipúr		Kátanda	
XXI		"		Amlisar	
XXII		Ajmír		Rágpúra	
XXIII	"	Tah. Ajmír		On the hill near Bupki	
XXIV	"	" "		On the Rájgarh hill	Reported (January 1873) as dilapidated.

NOTE.—Tah. stands for Tahsil, Thá. for Thánah and Par. for Pargana.

* No reports received from the Civil Officials in whose districts these stations lie.

† These Stations appertain to the Karáchi Series.

No.	Local name	District	Pargana, &c.	Village	Remarks
XXV		Ajmír	Tah. Ajmír	On the hill	In November 1868 Lieutenant Heaviside found the upper mark-stone removed. He rebuilt the pillar to a height of about 3 feet and placed a mark-stone at the top.
XXVI XXVII	* Gúdha	Jodhpúr Ajmír	Thá. Pokar Tah. Ajmír	Kisanpúra Near Gúdha on the hill	Visited by Lieutenant G. Strahan, R.E., of the Topographical Survey in February 1867.
XXVIII XXIX		Jodhpúr "	Par. Parbatsir " Mairta	Kinsirra Rewat	Visited by Lieut. Heaviside in April 1868.
XXX XXXI XXXII XXXIII XXXIV	*	" " Shekawatí Jodhpúr Shekawatí	" Kolia " Marote " Sikar " Nagore " Lachman- garh	Pánchwa Bhúmba and Basni	
XXXV XXXVI		Bikanír Shekawatí	Par. Fathipúr	Bíframsir Garinda	Visited by Lieut. Heaviside in March 1868.
XXXVII		"	" Sikar	Laonda	Visited by Mr. J. F. Baness of the Topographical Survey in December 1866.
XXXVIII XXXIX		Bikanír "	" Ratangarh " Cheru	Khasoli	Visited by Mr. Baness in February 1867.
XL XLI	*	" "	" " " "	Mithúri	In March 1868 Lieut. Heaviside found the upper mark-stone removed but did not renew the pillar.
XLII XLIII		" "	" Reni " "	Reni	Visited by Mr. Baness in February 1867.
XLIV XLV XLVI XLVII XLVIII XLIX L		" " " " " " "	" " " Bahádera " Nohar " Bahádera Tah. Nohar " " Tah. and Par. Nohar	Rangarri Játan Rámgarh	Ditto. Ditto. Ditto.
LI	Mánka	Sirsa	Tah. and Par. Sirsa	Mánka	
LII LIII	Gídaránwála Sirsa	" "	Thá. Ránia " Sirsa	Gídaránwála Srisa	Visited by Lieut. Heaviside in April 1867.
LIV LV LVI LVII LVIII LIX	Chúrtibí Sawaipúr Ghúkáwálí Tiloka Píplí *	" " " " " Patnála	" Ránia " Rori " " " Dábwálí Tah. Bhatinda Thá. Sadulgarh Par. Chunair	Kharián Sawaipúr Gúkháwálí Tiloka Píplí Phulo-khari	Ditto.

NOTE.—Tah. stands for Tahsil, Thá. for Thánah and Par. for Pargana.

* No reports received from the Civil Officials in whose districts these stations lie.

No.	Local name	District	Pargana, &c.	Village	Remarks	
LX	* Tenoah	Patiála	Tah. and Thá. Bhatinda	Paka-Saráwa	Visited by Lieut. Heaviside in March 1867.	
LXI LXII		"	" "	Kaila-Vándar		
LXIII	Mahna	Fírozpúr	Tah. and Thá. Mukatsir	Tenoah		
LXIV LXV	* Súkhánand	"	Tah. Moga Thá. Nuthana	Mahana		
LXVI		Farídkot	Par. Kot-Kapúra	Mimasurja Khimúána		
LXVII	"	Nábha	Tah. and Thá. Jetú	Jetú		
LXVIII	"	Fírozpúr	Tah. and Par. Moga Thá. Bhága-purána	Súkhánand		
LXIX	Rodha	Farídkot	Tah. and Thá. Kot-Kapúra	Dhilan		
LXX	Gill	Fírozpúr	Tah. Moga Thá. Bhága-purána	Roda		
LXXI	Darowlí	"	Tah. Fírozpúr Thá. Ghal	Gill		
LXXII	Sudhíwála	"	Tah. and Thá. Moga	Daraolí		
LXXIII	Dalúwála	"	" " Zira	Sodíwála		
LXXIV	Hastahwála	"	" " "	Dalúwála		
LXXV	"	"	Tah., Thá. and Par. Zira Chau- ki Mulchú	Hastíwála Rúkhánwála		"The station was totally swept away by the river Sutlej in 1868."
LXXVI	"	Lahor	Tah. Kasúr Thá. Pattí	Rabza		
LXXVII	Sangatpúra	Amritsar	Tah. Tarn Táran	Sangatpúra		Visited by Lieut. Heaviside in January 1868.
LXXVIII	Jandakí near Sirhálí Khúrd	"	Thá. Tarn Táran	Jandokí		
LXXIX	Kalla near Wiring	"	" "	Kalla		
LXXX	Golwar	"	" "	Golwar		
LXXXI	Dhera Kot	"	" Jandiálah	Dhera Kot		
LXXXII	Tung	"	" Sudder sta- tion	Tung		
LXXXIII	Chawinda	"	" Kathúnan- gal	Chowinda		
LXXXIV	"	"	Tah. and Thá. Ajnála Par. Saorian	Machí-Nangal		
LXXXV	Sirah Pillar	Gurdáspúr	Tah. Batála Thá. Fathi- garh	Sirah		
LXXXVI	Machí-Nangal	Amritsar	Tah. Ajnála	Ramdás		
LXXXVII	Kadián Pillar	Gurdáspúr	Tah. Batála Thá. Dera Nának	Kadián		
LXXXVIII	Kháka Gilas	Siálkot	Tah. and Par. Raíah Thá. Narowál	Khakka	Reported (January 1868) as in dilapidated condition.	

NOTE.—Tah. stands for Tahsil, Thá. for Thánah and Par. for Pargana.

* No reports received from the Civil Officials in whose districts these stations lie.

No.	Local name	District	Pargana, &c.	Village	Remarks
LXXXIX	Mailú-Sailú	Gurdáspúr	Tah. Shakargarh Thá. Kottainaina	Bákarpúra	Reported (December 1866) as fallen down.
XC	Langai	Siálkot	Tah. and Thá. Zaffarwál Par. Philora	Langai	Reported (December 1866) as dismantled.
XCI	Sohaora Pillar	Gurdáspúr	Tah. Shakargarh Thá. Chumal	Pakhwál and Sherpúr	Reported (December 1866) as dismantled.
XCII	Deolí	Siálkot	Tah., Thá. and Par. Zaffarwál	Deolí	
XCIII	Bhúru-Chak Pillar	Gurdáspúr	Tah. Shakargarh Thá. Chumal	Bhúru-Chak	Reported (January 1868) as fallen down.
XCIV	Rúrkí	Siálkot	Tah. Zaffarwál Thá. Philora Par. Chatrur	Rúrkí	
XCV	Ranjítgarh	"	Tah. and Thá. Siálkot Par. Mirakiwal	Ranjítgarh	Reported (January 1868) as dismantled.
XXVII } XXVIII }	* Dera	Jammu (Kashmir) Siálkot	Tah. Siálkot Thá. Phokalian Par. Bajwant	Gurhágarrh Dera	

NOTE.—Tah. stands for Tahsil, Thá. for Thánah and Par. for Pargana.

* These stations appertain to the N. W. Himalaya Series.

February 1874.

J. B. N. H.

GURHAGARH MERIDIONAL SERIES.

PRINCIPAL TRIANGULATION.

TRIANGLES.

No. of triangle	Station	Spherical excess	Corrected plane angle ° ' "	Distance			No. of triangle	Station	Spherical excess	Corrected plane angle ° ' "	Distance		
				Log. feet	Feet	Miles					Log. feet	Feet	Miles
1	XXIII	.39	56 46 8.49	4.8751955	75023.2	14.209	7	XXIII	.28	47 36 39.50	4.7852695	60991.5	11.551
	XXVI	.39	49 43 37.13	4.8352552	68431.4	12.960		III	.29	86 56 45.17	4.9162520	82461.7	15.618
	V	.39	73 30 14.38	4.9344921	85998.7	16.288		IV	.28	45 26 35.33	4.7696875	58842.0	11.144
2	XXI	.39	43 59 27.54	4.8060151	63975.7	12.117	8	XXIII	.16	158 38 27.22	5.1684651	147389.0	27.915
	XXIII	.40	71 2 35.90	4.9400976	87115.9	16.499		XXV	.16	9 44 7.85	4.8352552	68431.4	12.960
	I	.40	64 57 56.56	4.9214691	83458.2	15.806		V	.16	11 37 24.93	4.9113453	81535.2	15.442
8	XXIII	.21	28 52 54.39	4.6596287	45669.8	8.650	9	XXIII	.31	45 18 7.18	4.7747833	59536.5	11.276
	I	.22	108 32 20.71	4.9525354	89646.9	16.979		IV	.32	54 47 16.19	4.8352552	68431.4	12.960
	XXIV	.22	42 34 44.90	4.8060151	63975.7	12.117		V	.32	79 54 36.63	4.9162520	82461.7	15.618
4	XXI	.31	57 13 30.28	4.8520168	71124.1	13.470	10	XXVI	.45	87 48 35.88	5.0206416	104867.7	19.861
	XXIII	.31	42 9.37.98	4.7541809	56778.1	10.753		V	.45	46 33 22.30	4.8819249	76194.7	14.431
	II	.32	80 36 51.74	4.9214691	83458.2	15.806		VI	.45	45 38 1.82	4.8751955	75023.2	14.209
5	XXIII	.35	65 43 50.88	4.8794741	75765.9	14.350	11	V	.54	49 13 20.38	4.9115456	81572.9	15.449
	II	.35	55 25 26.26	4.8352552	68431.4	12.960		VI	.55	53 59 52.73	4.9402530	87147.1	16.595
	V	.35	58 50 42.86	4.8520168	71124.1	13.470		VIII	.55	76 46 46.89	5.0206416	104867.7	19.861
6	XXIII	.30	88 9 6.61	4.9320317	85512.9	16.196	12	VIII	.55	75 41 40.42	5.0148751	103484.4	19.599
	I	.29	43 27 7.78	4.7696875	58842.0	11.144		VI	.54	54 30 12.01	4.9392589	86947.9	16.467
	III	.30	48 23 45.61	4.8060151	63975.7	12.117		X	.54	49 48 7.57	4.9115456	81572.9	15.449

NOTES.—1. The values of the side are given in the same line with the opposite angle.
2. XXI, XXIII, XXIV, XXV and XXVI appertain to the Karachi Longitudinal Series.

GURHAGARH MERIDIONAL SERIES.

No. of triangle	Station	Spherical excess	Corrected plane angle	Distance			No. of triangle	Station	Spherical excess	Corrected plane angle	Distance		
				Log. feet	Feet	Miles					Log. feet	Feet	Miles
18	VI X IX	.58 .58 .59	57 7 7.06 51 19 36.50 71 33 16.44	4.9619543 4.9302772 5.0148751	91612.4 85168.2 103484.4	17.351 16.130 19.599	25	XIII XIV XVI	.71 .72 .72	42 23 1.32 73 8 57.32 64 28 1.36	4.9251715 5.0773928 5.0518212	84172.8 119506.9 112673.4	15.942 22.634 21.340
14	IX X XII	.45 .45 .46	52 16 56.49 55 22 14.55 72 20 48.96	4.8810982 4.8982209 4.9019543	76049.8 79108.1 91612.4	14.403 14.983 17.351	26	XIV XVI XVII	.69 .69 .69	65 17 29.60 70 45 48.46 43 56 41.94	5.0421318 5.0588810 4.9251715	110187.4 114519.9 84172.8	20.869 21.689 15.942
15	X XII XIII	.33 .34 .34	54 29 57.94 57 13 15.71 68 16 46.35	4.8237651 4.8377571 4.8810982	66644.6 68826.7 76049.8	12.622 13.035 14.403	27	XIV XVII XVIII, XVIII	.64 .64 .64	35 18 17.46 78 35 50.30 66 5 52.24	4.8596942 5.0891635 5.0588810	72392.6 122790.1 114519.9	13.711 23.256 21.689
16	V VIII IV	.41 .41 .41	89 22 21.08 34 32 20.01 56 5 18.91	5.0212007 4.7747833 4.9402530	105002.7 59536.5 87147.1	19.887 11.276 16.505	28	XV XVIII XIX	.58 .58 .58	44 16 36.89 51 39 34.18 84 3 48.93	4.9094358 4.9600047 5.0631062	81177.5 91202.1 115655.5	15.375 17.273 21.904
17	V IV VI	.32 .32 .31	40 9 0.25 106 57 32.45 32 53 27.30	4.8493699 5.0206416 4.7747833	70691.9 104867.7 59536.5	13.389 19.861 11.276	29	XVIII XIX XXIII	.69 .69 .69	66 46 38.34 72 8 19.34 41 5 2.32	5.0550674 5.0703082 4.9094358	113518.7 117573.2 81177.5	21.500 22.268 15.375
18	XXVI* VI VII	.55 .55 .54	51 10 51.50 88 10 52.47 40 38 16.03	4.9597704 5.0679417 4.8819249	91152.9 116934.3 76194.7	17.264 22.147 14.431	30	XIX XXIII XXII	1.01 1.01 1.01	47 7 50.20 85 34 15.82 47 17 53.98	5.0538908 5.1875434 5.0550674	113211.6 154008.1 113518.7	21.442 29.168 21.500
19	VI VII IX	.53 .53 .54	60 33 50.71 56 23 28.53 63 2 40.76	4.9496885 4.9302772 4.9597704	89061.2 85168.2 91152.9	16.868 16.130 17.264	31	XV XIX XX	.53 .52 .52	73 9 36.60 46 24 23.09 60 26 0.31	5.0015594 4.8804818 4.9600047	100359.7 75942.0 91202.1	19.008 14.383 17.273
20	VIII X XI	.47 .48 .48	46 21 14.42 73 23 57.75 60 14 47.83	4.8601637 4.9821647 4.9392589	72470.9 95976.5 86947.9	13.726 18.177 16.467	32	XIX XX XXI	.76 .74 .76	59 48 47.63 65 17 23.22 54 53 49.15	5.0254529 5.0470359 5.0015594	106035.9 111438.7 100359.7	20.083 21.106 19.008
21	X XI XIII	.38 .38 .38	75 36 2.93 50 17 42.98 54 6 14.09	4.9377734 4.8377571 4.8601637	86651.0 68826.7 72470.9	16.411 13.035 13.726	33	XIX XXI XXII	1.04 1.05 1.04	50 26 46.21 83 34 40.10 45 58 33.69	5.0773468 5.1875434 5.0470359	119494.2 154008.1 111438.7	22.631 29.168 21.106
22	XIII XII XIV	.51 .52 .51	60 10 7.95 83 48 47.04 36 1 5.01	4.9926253 5.0518212 4.8237651	98316.2 112673.4 66644.6	18.620 21.340 12.622	34	XXII XXIII XXIV	.75 .74 .75	65 4 51.05 48 23 44.20 66 31 24.75	5.0489764 4.9651702 5.0538908	111937.7 92293.3 113211.6	21.200 17.480 21.442
23	XII XIV XV	.68 .69 .68	43 39 34.70 86 15 0.76 50 5 24.54	4.9468826 5.1068681 4.9926253	88487.6 127899.3 98316.2	16.759 24.223 18.620	35	XXIII XXIV XXVII	.74 .74 .74	34 32 10.29 96 42 9.06 48 45 40.65	4.9263030 5.1697977 5.0489764	84392.3 147842.0 111937.7	15.983 28.000 21.200
24	XIV XV XVIII	.77 .77 .77	63 59 5.83 72 34 35.34 43 26 18.83	5.0631662 5.0891635 4.9468826	115655.5 122790.1 88487.6	21.904 23.256 16.759	36	XXIV XXVII XXVI	.52 .51 .51	65 17 30.01 57 45 59.47 56 56 30.52	4.9612981 4.9303079 4.9263030	91474.1 85174.2 84392.3	17.325 16.131 15.983

Note.—The Station marked * appertains to the Karachi Longitudinal Series.

PRINCIPAL TRIANGULATION—TRIANGLES.

No. of triangle	Station	Spherical excess	Corrected plane angle	Distance			No. of triangle	Station	Spherical excess	Corrected plane angle	Distance		
				Log. feet	Feet	Miles					Log. feet	Feet	Miles
37	XXII	"	57 38 34.23	4'9708641	93511.3	17.710	49	XXXXV	"	41 1 28.82	4'7769851	59839.1	11.333
	XXIV	.62	65 52 25.51	5'0044498	101029.9	19.134		XXXVII	.35	55 34 38.78	4'8762237	75201.0	14.243
	XXV	.62	56 29 0.26	4'9651702	92293.3	17.480		XXXVIII	.36	83 23 52.40	4'9569375	90560.2	17.152
38	XXIV	.58	65 36 27.46	4'9870344	97058.7	18.382	50	XXXVII	.25	55 6 52.46	4'7647483	58176.6	11.018
	XXV	.57	53 3 21.05	4'9303079	85174.2	16.131		XXXVIII	.26	67 20 54.08	4'8159145	65450.7	12.396
	XXVI	.57	61 20 11.49	4'9708641	93511.3	17.710		XXXIX	.25	57 32 13.46	4'7769851	59839.1	11.333
39	XXVII	1.10	72 10 27.27	5'2004591	158656.9	30.049	51	XXXVIII	.27	57 33 5.00	4'7997600	63060.9	11.943
	XXVI	1.11	74 32 9.56	5'2058118	160624.5	30.421		XXXIX	.28	71 19 26.63	4'8499911	70793.1	13.408
	XXVIII	1.10	33 17 23.17	4'9612981	91474.1	17.325		XL	.27	51 7 28.37	4'7647483	58176.6	11.018
40	XXVI	1.52	51 18 53.12	5'1348317	136405.5	25.834	52	XXXIX	.24	43 20 59.22	4'6974272	49822.7	9.436
	XXVIII	1.53	63 27 53.17	5'1940659	156338.5	29.610		XL	.24	76 19 32.04	4'8483299	70522.9	13.357
	XXIX	1.53	65 13 13.71	5'2004591	158656.9	30.049		XLI	.24	60 19 28.74	4'7997600	63060.9	11.943
41	XXIX	1.70	62 39 51.15	5'2236407	167355.8	31.696	53	XL	.20	57 33 51.39	4'7258307	53190.1	10.074
	XXVIII	1.70	70 56 46.75	5'2505959	178072.1	33.726		XLI	.20	70 11 51.75	4'7730198	59295.2	11.230
	XXX	1.70	46 23 22.10	5'1348317	136405.5	25.834		XLII	.19	52 14 16.86	4'6974272	49822.7	9.436
42	XXVIII	1.46	53 17 0.16	5'1441627	139367.9	26.395	54	XLI	.27	63 50 39.22	4'8292908	67498.0	12.784
	XXX	1.45	52 26 24.67	5'1393221	137823.1	26.103		XLII	.27	71 8 15.56	4'8522364	71160.1	13.477
	XXXI	1.46	74 16 35.17	5'2236407	167355.8	31.696		XLIII	.26	45 1 5.22	4'7258307	53190.1	10.074
43	XXXI	1.39	67 47 51.59	5'1876297	154038.6	29.174	55	XLII	.32	51 57 8.64	4'8022012	63416.4	12.011
	XXX	1.39	55 18 24.57	5'1360703	136795.0	25.908		XLIII	.32	71 5 55.38	4'8818782	70186.5	14.429
	XXXII	1.39	56 53 43.84	5'1441627	139367.9	26.395		XLIV	.32	56 56 55.98	4'8292908	67498.0	12.784
44	XXX	1.01	41 26 29.79	5'0108176	102522.1	19.417	56	XLIII	.26	44 2 18.41	4'7255471	53155.4	10.067
	XXXII	1.01	54 36 23.44	5'1013146	126274.2	23.916		XLIV	.26	79 55 53.99	4'8767341	75289.4	14.259
	XXXIII	1.02	83 57 6.77	5'1876297	154038.6	29.174		XLV	.26	56 1 47.60	4'8022012	63416.4	12.011
45	XXXII	.54	85 55 38.67	5'0724466	118153.5	22.378	57	XLIV	.22	52 22 50.82	4'7293881	53627.6	10.157
	XXXIII	.53	34 7 52.99	4'82225791	66462.9	12.588		XLV	.22	75 53 17.95	4'8173085	65661.2	12.436
	XXXIV	.54	59 56 28.34	5'0108176	102522.1	19.417		XLVI	.21	51 43 51.23	4'7255471	53155.4	10.067
46	XXXIII	1.00	49.59 43.65	5'0468000	111378.2	21.094	58	XLV	.20	75 44 59.50	4'7957486	62481.1	11.834
	XXXIV	1.01	75.39 17.12	5'1488182	140869.9	26.680		XLVI	.19	47 57 23.93	4'6800990	47873.9	9.067
	XXXV	1.00	54 20 59.23	5'0724466	118153.5	22.378		XLVII	.20	56 17 36.57	4'7293881	53627.6	10.157
47	XXXIV	.44	58 1 49.23	4'9753719	94487.0	17.895	59	XLVI	.31	73 4 26.07	4'8780208	75512.8	14.302
	XXXV	.44	32 18 49.24	4'7747995	59538.7	11.276		XLVII	.30	54 35 33.49	4'8084396	64333.9	12.184
	XXXVI	.45	89 39 21.53	5'0468000	111378.2	21.094		XLVIII	.30	52 20 0.44	4'7957486	62481.1	11.834
48	XXXVI	.48	64 25 38.17	4'9569375	90560.2	17.152	60	XLVII	.30	43 53 53.98	4'7471997	55872.7	10.582
	XXXV	.48	45 19 37.20	4'8536621	71394.1	13.522		XLVIII	.30	66 31 44.78	4'8687215	73913.1	13.999
	XXXVII	.48	70 14 44.63	4'9753719	94487.0	17.895		XLIX	.31	69 34 21.24	4'8780208	75512.8	14.302

No. of triangle	Station	Spherical excess	Corrected plane angle	Distance			No. of triangle	Station	Spherical excess	Corrected plane angle	Distance		
				Log. feet	Feet	Miles					Log. feet	Feet	Miles
61	XLVIII	.23	55 9 0'01"	4'7471241	55863'0	10'580	73	LX	.20	83 28 9'12"	4'8212215	66255'4	12'548
	XLIX			4'8050770	63837'7	12'090		LXI			4'7115677	51471'6	9'748
	L			4'7471997	55872'7	10'582		LXII			4'6810762	47981'8	9'087
62	XLIX	.18	44 39 23'02"	4'6397985	43631'3	8'264	74	LXI	.23	51 20 45'28"	4'7326685	54034'2	10'234
	L			4'7691220	58765'5	11'130		LXII			4'7555612	56958'9	10'788
	LI			4'7471241	55863'0	10'580		LXIII			4'8212215	66255'4	12'548
63	L	.15	54 41 48'70"	4'6622957	45951'1	8'703	75	LXII	.22	61 56 0'16"	4'7604223	57600'0	10'909
	LI			4'7344734	54259'2	10'276		LXIII			4'7614769	57740'0	10'936
	LII			4'6397985	43631'3	8'264		LXIV			4'7326685	54034'2	10'234
64	LI	.18	64 8 14'40"	4'7399369	54946'1	10'406	76	LXIII	.19	52 22 43'37"	4'6972121	49798'0	9'431
	LII			4'7386463	54783'1	10'376		LXIV			4'7413195	55121'3	10'440
	LIII			4'6650356	46241'9	8'758		LXV			4'7604223	57600'0	10'909
65	LIV	.18	65 15 33'02"	4'7399369	54946'1	10'406	77	LXVI	.16	60 45 40'80"	4'6940968	49442'1	9'364
	LIII			4'7386463	54783'1	10'376		LXVII			4'6804288	47910'3	9'074
	LII			4'6650356	46241'9	8'758		LXVIII			4'6972121	49798'0	9'431
66	LIV	.20	76 7 57'29"	4'8010230	63244'5	11'978	78	LXV	.17	59 32 52'89"	4'6983613	49930'0	9'456
	LIV			4'6753325	47351'4	8'968		LXVI			4'7081274	51065'5	9'671
	LV			4'7386463	54783'1	10'376		LXVII			4'6940968	49442'1	9'364
67	LIV	.25	67 18 40'23"	4'8137580	65126'5	12'335	79	LXVI	.17	69 23 15'35"	4'7352752	54359'5	10'295
	LV			4'7268990	53321'1	10'099		LXVII			4'6565107	45343'0	8'588
	LVI			4'8010230	63244'5	11'978		LXVIII			4'6983613	49930'0	9'456
68	LV	.24	53 38 34'88"	4'7534280	56679'8	10'735	80	LXVII	.20	59 1 7'49"	4'7312667	53860'1	10'201
	LVI			4'7788400	60095'2	11'382		LXVIII			4'7402116	54980'9	10'413
	LVII			4'8137580	63126'5	12'335		LXIX			4'7352752	54359'5	10'295
69	LVI	.18	58 46 29'07"	4'7125908	51593'0	9'771	81	LXVIII	.21	58 7 35'95"	4'7428272	55313'0	10'476
	LVII			4'6726656	47063'7	8'914		LXIX			4'7748439	59544'8	11'277
	LVIII			4'7534280	56679'8	10'735		LXX			4'7312667	53860'1	10'201
70	LVII	.14	53 2 31'56"	4'6331766	42971'1	8'138	82	LXIX	.21	60 41 31'06"	4'7444570	55521'0	10'515
	LVIII			4'6348603	43138'0	8'170		LXX			4'7369882	54574'3	10'336
	LIX			4'7125908	51593'0	9'771		LXXI			4'7428272	55313'0	10'476
71	LVIII	.18	62 47 24'87"	4'7418973	55194'7	10'454	83	LXX	.22	53 16 3'89"	4'7314429	53881'9	10'205
	LIX			4'7743210	59473'2	11'264		LXXI			4'8034006	63591'7	12'044
	LX			4'6331766	42971'1	8'138		LXXII			4'7444570	55521'0	10'515
72	LIX	.17	54 47 23'33"	4'6810762	47981'8	9'087	84	LXXI	.19	46 47 2'93"	4'6776370	47602'3	9'016
	LX			4'6831547	48212'0	9'131		LXXII			4'8048521	63804'6	12'084
	LXI			4'7418973	55194'7	10'454		LXXIII			4'7314429	53881'9	10'205

No. of triangle	Station	Spherical excess	Corrected plane angle	Distance			No. of triangle	Station	Spherical excess	Corrected plane angle	Distance		
				Log. feet	Feet	Miles					Log. feet	Feet	Miles
85	LXXII	.19	68 54 34.17	4.7623320	57853.8	10.957	LXXXIV	.23	58 23 58.41	4.7558857	57001.4	10.796	
	LXXIII	.19	60 56 33.11	4.7340218	54202.8	10.266	LXXXV	.22	57 5 47.40	4.7496529	56189.2	10.642	
	LXXIV	.19	50 8 52.72	4.6776370	47603.3	9.016	LXXXVI	.23	64 30 14.19	4.7810898	60497.4	11.441	
86	LXXIII	.21	56 15 21.68	4.7327552	54046.2	10.236	LXXXV	.22	63 12 6.35	4.7669497	58472.2	11.074	
	LXXIV	.22	60 51 24.90	4.7541046	56768.1	10.752	LXXXVI	.22	56 19 20.98	4.7365060	54513.8	10.325	
	LXXV	.22	62 53 13.42	4.7623320	57853.8	10.957	LXXXVII	.22	60 28 32.67	4.7558857	57001.4	10.796	
87	LXXIV	.21	55 47 20.66	4.7333340	54117.0	10.249	LXXXVI	.23	65 52 24.74	4.7851611	60976.3	11.549	
	LXXV	.22	68 31 55.19	4.7846158	60899.8	11.534	LXXXVII	.22	53 3 42.27	4.7275598	53402.3	10.114	
	LXXVI	.21	55 40 44.15	4.7327652	54046.2	10.236	LXXXVIII	.22	61 3 52.99	4.7669497	58472.2	11.074	
88	LXXV	.18	51 28 52.08	4.6770004	47533.6	9.003	LXXXVII	.22	55 25 41.93	4.7355840	54398.1	10.303	
	LXXVI	.19	65 32 56.72	4.7427622	55304.7	10.474	LXXXVIII	.22	57 12 16.33	4.7445585	55533.9	10.518	
	LXXVII	.18	62 58 11.20	4.7333340	54117.0	10.249	LXXXIX	.22	67 22 1.74	4.7851611	60976.3	11.549	
89	LXXVI	.18	66 55 34.09	4.7314768	53886.1	10.206	LXXXVIII	.21	55 49 29.48	4.7287883	53553.6	10.143	
	LXXVII	.17	58 49 36.77	4.6999692	50114.5	9.491	LXXXIX	.21	66 59 44.69	4.7751250	59583.4	11.285	
	LXXVIII	.17	54 14 49.14	4.6770004	47533.6	9.003	XC	.21	57 10 45.83	4.7355840	54398.1	10.303	
90	LXXVII	.18	55 56 18.45	4.6965128	49717.9	9.416	LXXXIX	.19	64 1 30.18	4.7405734	55026.7	10.422	
	LXXVIII	.18	60 10 45.94	4.7165666	52067.5	9.861	XC	.19	54 56 22.56	4.6998642	50103.1	9.489	
	LXXIX	.19	63 52 55.61	4.7314768	53886.1	10.206	XCI	.19	61 2 7.26	4.7287883	53553.6	10.143	
91	LXXVIII	.18	56 1 42.71	4.6971326	49788.9	9.430	XC	.22	72 31 41.63	4.8033991	63591.5	12.044	
	LXXIX	.18	68 3 50.50	4.7457743	55689.6	10.547	XCI	.21	51 50 36.00	4.7195139	52422.0	9.928	
	LXXX	.18	55 54 26.79	4.6965128	49717.9	9.416	XCII	.22	55 37 42.37	4.7405734	55026.7	10.422	
92	LXXIX	.18	59 13 23.54	4.7086781	51130.3	9.684	XCI	.21	56 48 20.94	4.7422784	55243.1	10.463	
	LXXX	.18	63 59 27.96	4.7282277	53484.5	10.130	XCII	.20	48 46 8.47	4.6958980	49647.6	9.403	
	LXXXI	.18	56 47 8.50	4.6971326	49788.9	9.430	XCIII	.21	74 25 30.59	4.8033991	63591.5	12.044	
93	LXXX	.18	62 8 19.43	4.7130533	51647.9	9.782	XCIII	.31	84 8 28.23	4.9323962	85584.7	16.209	
	LXXXI	.17	56 47 24.06	4.6891135	48878.0	9.257	XCII	.31	55 54 34.89	4.8527825	71249.6	13.494	
	LXXXII	.17	61 4 16.51	4.7086781	51130.3	9.684	XXVII	.30	39 56 56.88	4.7422784	55243.1	10.463	
94	LXXXI	.18	61 6 4.27	4.7157483	51969.5	9.843	XCII	.42	106 8 44.52	5.0795792	120110.0	22.748	
	LXXXII	.18	58 26 0.95	4.7039617	50578.0	9.579	XXVII	.41	30 39 43.55	4.8046038	63768.2	12.077	
	LXXXIII	.18	60 27 54.78	4.7130533	51647.9	9.782	XCIV	.41	43 11 31.93	4.9323962	85584.7	16.209	
95	LXXXII	.20	64 20 18.90	4.7544717	56816.1	10.761	XCIV	.64	81 14 15.49	5.1099211	128801.6	24.394	
	LXXXIII	.20	60 7 32.87	4.7376489	54657.4	10.352	XXVII	.63	31 35 45.32	4.8342891	68279.3	12.932	
	LXXXIV	.20	55 32 8.23	4.7157483	51969.5	9.843	XCIV	.64	67 9 59.19	5.0795792	120110.0	22.748	
96	LXXXIII	.23	63 58 3.49	4.7810898	60407.4	11.441	XCIV	.67	77 40 42.60	5.1209189	132104.9	25.020	
	LXXXIV	.23	58 20 48.29	4.7576012	57227.0	10.838	XXVII	.67	30 2 42.32	4.8306011	67701.9	12.822	
	LXXXV	.23	57 41 8.22	4.7544717	56816.1	10.761	XXVIII	.67	72 16 35.08	5.1099211	128801.6	24.394	

J. B. N. HENNESSEY.

NOTE.—XXVII and XXVIII appertain to the North-West Himalaya Series.

GURHAGARH MERIDIONAL SERIES.

PRINCIPAL TRIANGULATION.

LATITUDES, LONGITUDES, AZIMUTHS AND HEIGHTS.

The following table gives, in the first column, the (numerical) names and the co-ordinates of the successive principal stations taken in order from the stations XXI and XXIII to XXVI of the Karachi Longitudinal Series and I, II, the initial stations of the series, and thence through the triangulation upwards to the stations XXVII and XXVIII of the North-West Himalaya Series; in the second column the azimuths at the stations in the first to the surrounding stations are given, and in the third the distinguishing numbers of the triangles—pages 17—F and following—which contain the distances between the central and the surrounding stations.

NOTE.— λ stands for Latitude North; L for Longitude East of Greenwich; H for Height of station in feet above mean sea level; h for Height of the station pillar or tower in feet. Trigonometrical heights are invariably referred to the upper surface of the pillar. When the pillar is perforated or the tower is hollow, h represents the Height of the upper surface above the mark-stone on the ground level; in all other cases h stands for the Height of the station above the general ground level.

Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance	Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance
XXI λ 24 14 11.86 L 75 10.43.06 H 1525 h 5	I 98 28 26.84 XXIII 142 27 54.77 II 199 41 25.36	2 2 4	XXIV λ 24 10 21.90 L 75 0 15.84 H 1804 h 3	I 141 58 33.01 XXIII 184 33 18.12	3 3
XXIII λ 24 25 7.27 L 75 1 32.87 H 1532 h 6	XXIV 4 33 49.82 I 33 26 44.42 XXV 55 52 11.22 III 121 35 51.35 XXVI 157 44 29.72 IV 169 12 31.11 V 214 30 38.60 II 280 14 29.83 XXI 322 24 8.12	3 2 8 6 1 7 1 4 2	XXV λ 24 17 33.54 L 74 49 23.29 H 1855 h 5	V 226 3 2.33 XXIII 235 47 10.34	8 8

Station and its co-ordinates		Azimuths of surrounding stations		Reference to triangle containing distance	Station and its co-ordinates		Azimuths of surrounding stations		Reference to triangle containing distance
λ	° ' "	° ' "			λ	° ' "	° ' "		
XXVI	24 38 15.67	VII	148 58 57.24	18	VIII	24 47 35.31	V	23 53 10.86	11
L	74 55 39.78	VI	200 9 49.28	10	λ	75 14 55.21	IV	58 25 31.27	16
H	1951	V	287 58 25.62	1	L	1770	VI	100 39 58.29	11
h	7	XXIII	337 42 3.14	1	H	8	X	176 21 39.26	12
I	24 16 18.26	III	169 56 59.25	6	h		XI	222 42 54.15	20
λ	74 55 11.78	XXIII	213 24 7.32	2	IX	25 3 52.22	VII	51 57 59.22	19
L	1823	XXI	278 22 4.28	2	λ	74 57 27.25	XII	225 5 3.95	14
H	†	XXIV	321 56 28.25	3	L	1805	X	277 22 0.89	13
h					H	3	VI	348 55 17.92	13
II	24 23 1.45	XXI	19 42 50.56	4	X	25 1 54.93	VI	46 9 22.09	12
λ	75 14 10.01	XXIII	100 19 42.62	4	λ	75 13 55.21	IX	97 28 59.17	13
L	1585	V	155 45 9.23	5	L	2008	XII	152 51 14.17	14
H	3				H	3	XIII	207 21 12.44	15
h					h		XI	282 57 15.76	20
III	24 30 12.44	IV	214 35 21.18	7	XI	24 59 13.44	VIII	42 47 52.01	20
λ	74 52 30.19	XXIII	301 32 6.64	6	λ	75 26 42.91	X	103 2 40.32	20
L	1701	I	349 55 52.55	6	L	1933	XIII	153 20 23.67	21
H	0				H	†			
h		III	34 37 57.23	7	h				
IV	24 38 29.75	VI	187 26 32.34	17	XII	25 13 5.19	IX	45 9 23.14	14
λ	74 58 45.51	VIII	238 18 45.80	16	λ	75 7 37.33	XV	148 6 54.74	23
L	1942	V	294 24 5.11	9	L	1783	XIV	191 46 30.12	22
H	5	XXIII	349 11 21.62	7	H	6	XIII	275 35 17.68	15
h					h		X	332 48 33.73	14
V	24 34 25.76	XXIII	34 33 32.76	1	XIII	25 12 0.41	X	27 23 38.60	15
λ	75 8 32.91	XXV	46 10 57.85	8	λ	75 19 39.55	XII	95 40 25.29	15
L	1808	XXVI	108 3 47.54	1	L	1815	XIV	155 50 33.76	22
H	8	IV	114 28 9.71	9	H	2	XVI	198 13 35.79	25
h		VI	154 37 10.28	10	h		XI	333 17 24.13	21
VI	24 50 4.18	VIII	203 50 31.20	11	XIV	25 28 58.58	XII	11 48 3.88	22
λ	75 0 24.92	II	335 42 49.55	5	λ	75 11 16.30	XV	98 3 5.33	23
L	1872	IV	7 27 13.94	17	L	1612	XVIII	162 2 11.93	24
H	3	XXVI	20 11 48.60	10	H	3	XVII	197 20 30.03	26
h		VII	108 22 41.62	18	h		XVI	262 38 0.32	25
VII	24 54 48.08	IX	168 56 32.86	13	XV	25 31 0.49	XIII	335 46 58.36	22
λ	74 44 45.20	X	226 3 40.50	12	λ	74 55 19.79	XX	87 55 22.84	31
L	2001	VIII	280 33 53.05	11	L	1762	XIX	161 4 59.96	28
H	I	V	334 33 46.33	10	H	3	XVIII	205 21 37.43	24
h		IX	231 52 37.29	19	h		XIV	277 56 13.54	23
		VI	288 16 6.35	18			XII	328 1 38.76	23
		XXVI	328 54 22.92	18					

† Not forthcoming.

GURHAGARH MERIDIONAL SERIES.

Station and its co-ordinates		Asimuths of surrounding stations		Reference to triangle containing distance	Station and its co-ordinates		Asimuths of surrounding stations		Reference to triangle containing distance
	° ' "		° ' "			° ' "		° ' "	
XVI	25 30 44.70	XIII	18 16 30.54	25	XXIV	26 17 49.31	XXII	25 14 46.34	34
λ		XIV	82 44 32.62	25	λ		XXV	91 7 12.47	37
L	75 26 27.61	XVII	153 30 21.76	26	L	74 38 11.55	XXVI	156 43 40.51	36
H	1308				H	2618	XXVII	222 1 11.04	35
h	2				h	3	XXIII	318 43 20.84	34
XVII	25 47 1.28	XIV	17 23 11.61	26	XXV	26 18 6.39	XXVI	217 56 15.63	38
λ		XXVIII	95 59 2.54	27	λ		XXIV	270 59 37.25	37
L	75 17 29.78	XVI	333 26 28.97	26	L	74 21 4.09	XXII	327 28 38.13	37
H	1909				H	1967			
h	2				h	3			
XVIII	25 48 15.45	XV	25 25 32.18	24	XXVI	26 30 44.16	XXV	38 1 7.80	38
λ		XIX	77 5 6.94	28	λ		XXIX	153 53 19.40	40
L	75 4 21.89	XXIII	143 51 45.97	29	L	74 32 1.06	XXVIII	205 12 14.04	39
H	1208	XVII	275 53 19.70	27	H	2563	XXVII	279 44 24.71	36
h	0	XIV	341 59 12.58	24	h	1	XXIV	336 40 55.75	36
XIX	25 45 15.01	XX	27 27 3.64	31	XXVII	26 28 9.92	XXIV	42 5 47.31	35
λ		XXI	87 15 52.03	32	λ		XXVI	99 51 47.29	36
L	74 49 56.37	XXII	137 42 39.29	30	L	74 48 33.26	XXVIII	172 2 15.66	39
H	1393	XXIII	184 50 30.49	29	H	2418	XXIII	353 20 5.92	35
h	2	XVIII	256 58 50.52	28	h	2			
		XV	341 2 40.03	28					
XX	25 30 32.57	XXI	142 6 1.18	32	XXVIII	26 54 25.39	XXVI	25 17 49.53	39
λ		XIX	207 23 25.17	31	λ		XXIX	88 45 44.23	40
L	74 41 31.33	XV	267 49 26.00	31	L	74 44 27.46	XXX	159 42 32.68	41
H	1903				H	2423	XXXI	212 59 34.30	42
h	1				h	1	XXVII	352 0 25.26	39
XXI	25 44 20.92	XXII	183 32 22.03	33	XXIX	26 53 53.98	XXX	205 54 29.73	41
λ		XIX	267 7 3.18	32	λ		XXVIII	268 34 22.58	40
L	74 29 38.91	XX	322 0 53.09	32	L	74 19 20.97	XXVI	333 47 37.81	40
H	1539				H	1542			
h	4				h	2			
XXII	26 4 2.28	XXI	3 32 57.37	33	XXX	27 20 19.56	XXIX	26 1 3.05	41
λ		XXV	147 33 00.00	37	λ		XXXIII	190 26 16.37	44
L	74 30 59.82	XXIV	205 11 35.85	34	L	74 33 43.83	XXXII	231 52 47.17	43
H	1932	XXIII	270 16 27.65	30	H	1478	XXXI	287 11 13.13	42
h	2	XIX	317 34 22.64	30	h	2	XXVIII	339 37 39.25	41
XXIII	26 3 55.43	XIX	4 51 16.41	29	XXXI	27 13 29.56	XXVIII	33 5 52.63	42
λ		XXII	90 25 33.24	30	λ		XXX	107 22 29.26	42
L	74 51 41.45	XXIV	138 49 18.18	34	L	74 58 18.91	XXXII	175 10 22.23	43
H	1878	XXVII	173 21 29.21	35	H	2048			
h	2	XVIII	323 46 13.40	29	h	2			

Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance	Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance
XXXII λ 27 35 59.45 L 74 56 10.95 H 1317 h 3	XXX 52 3 8.55 XXXIII 106 39 33.01 XXXIV 192 35 12.22 XXXI 355 9 23.32	43 44 45 43	XL λ 28 24 47.84 L 74 55 7.36 H 973 h 6	XXXVIII 1 12 41.54 XLII 176 11 49.02 XLI 233 45 40.61 XXXIX 310 5 12.89	51 53 52 51
XXXIII λ 27 40 49.31 L 74 37 58.32 H 1299 h 1	XXX 10 28 13.91 XXXV 202 23 27.95 XXXIV 252 23 12.60 XXXII 286 31 6.12	44 46 45 44	XLI λ 28 29 39.27 L 75 2 37.78 H 951 h 6	XL 53 49 15.21 XLII 124 1 7.16 XLIII 187 51 46.65 XXXIX 353 29 46.24	52 53 54 52
XXXIV λ 27 46 41.78 L 74 58 52.21 H 1261 h 3	XXXII 12 36 27.15 XXXIII 72 32 56.03 XXXV 148 12 14.16 XXXVI 206 14 3.83	45 45 46 47	XLII λ 28 34 33.67 L 74 54 23.24 H 868 h 6	XLIV 180 51 46.14 XLIII 232 48 55.09 XLI 303 57 10.92 XL 356 11 27.97	55 54 53 53
XXXV λ 28 2 18.76 L 74 47 57.23 H 1304 h 3	XXXIII 22 28 7.82 XXXVIII 209 27 11.07 XXXVII 250 28 40.23 XXXVI 295 48 17.91 XXXIV 328 7 7.59	46 49 48 47 46	XLIII λ 28 41 17.23 L 75 4 27.09 H 830 h 6	XLI 7 52 38.97 XLII 52 53 44.45 XLIV 123 59 40.15 XLV 168 1 58.82	54 54 55 56
XXXVI λ 27 55 30.55 L 75 3 45.65 H 1204 h 3	XXXIV 26 16 20.92 XXXV 115 55 42.90 XXXVII 180 21 21.56	47 47 48	XLIV λ 28 47 7.94 L 74 54 36.14 H 843 h 6	XLII 0 51 52.32 XLVI 171 36 10.73 XLV 223 59 1.78 XLIII 303 54 56.02	55 57 56 55
XXXVII λ 28 7 17.51 L 75 3 50.60 H 1112 h 3	XXXVI 0 21 23.88 XXXV 70 36 8.99 XXXVIII 126 10 48.12 XXXIX 181 17 40.83	48 48 49 50	XLV λ 28 53 26.45 L 75 1 31.45 H 777 h 6	XLIV 44 2 22.10 XLVI 119 55 40.27 XLVII 195 40 39.96 XLIII 348 0 34.24	56 57 58 56
XXXVIII λ 28 13 7.00 L 74 54 50.62 H 1080 h 6	XXXV 29 30 25.97 XL 181 12 33.60 XXXIX 238 45 38.87 XXXVII 306 6 33.20	49 51 50 49	XLVI λ 28 57 51.08 L 74 52 48.18 H 738 h 6	XLVIII 178 49 36.66 XLVII 251 54 3.04 XLV 299 51 27.16 XLIV 351 35 18.60	59 58 57 57
XXXIX λ 28 18 5.45 L 75 4 7.15 H 1038 h 6	XXXVII 1 17 48.66 XXXVIII 58 50 2.37 XL 130 9 29.28 XLI 173 30 28.74	50 50 51 52	XLVII λ 29 1 2.80 L 75 3 57.18 H 760 h 6	XLV 15 41 50.51 XLVI 71 59 27.29 XLVIII 126 35 1.08 XLIX 170 28 55.35	58 58 59 60

GURHAGARH MERIDIONAL SERIES.

Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance	Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance
XLVIII λ 29 8 27.91 L 74 52 33.32 H 740 h 6	L 184 48 43.39 XLIX 239 57 43.63 XLVII 306 29 28.71 XLVI 358 49 29.45	61 60 59 59	LVI λ 29 44 19.08 L 74 54 42.72 H 687 h 20	LIV 1 49 50.48 LVIII 180 47 23.60 LVII 239 33 52.85 LV 298 11 58.77	67 69 68 67
XLIX λ 29 13 4.50 L 75 1 39.24 H 694 h 7	XLVIII 60 2 9.78 L 129 43 18.42 LI 174 22 41.63 XLVII 350 27 48.23	60 61 62 60	LVII λ 29 49 3.00 L 75 3 57.54 H 710 h 21	LVI 59 38 28.40 LVIII 110 54 27.51 LIX 163 56 59.21 LV 351 55 8.70	68 69 70 68
L λ 29 18 57.71 L 74 53 33.82 H 693 h 10	XLVIII 4 49 12.92 LII 183 45 33.17 LI 238 27 22.02 XLIX 309 39 21.11	61 63 62 61	LVIII λ 29 52 4.95 L 74 54 50.09 H 693 h 22	LVI 0 47 27.26 LX 174 42 9.80 LIX 237 29 34.84 LVII 290 49 55.09	69 71 70 69
LI λ 29 22 43.51 L 75 0 34.16 H 710 h 4	L 58 30 48.03 LII 133 1 11.86 LIII 197 9 26.44 XLIX 354 22 9.78	62 63 64 62	LIX λ 29 55 53.39 L 75 1 41.98 H 717 h 25	LVIII 57 33 0.16 LX 130 56 26.95 LXI 185 43 50.45 LVII 343 55 51.68	70 71 72 70
LII λ 29 27 53.74 L 74 54 14.07 H 679 h 4	L 3 45 52.93 LIV 181 1 21.99 LIII 245 54 56.11 LI 312 58 5.14	63 65 64 63	LX λ 30 1 51.19 L 74 53 47.62 H 698 h 33	LXII 172 13 28.03 LXI 255 41 37.34 LIX 310 52 29.90 LVIII 354 41 38.61	73 72 71 71
LIII λ 29 31 35.39 L 75 3 41.94 H 738 h 4	LI 17 10 58.77 LII 65 59 35.71 LIV 115 50 28.93 LV 191 58 26.42	64 64 65 66	LXI λ 30 3 48.27 L 75 2 36.77 H 727 h 30	LIX 5 44 17.84 LX 75 46 2.29 LXII 126 17 7.50 LXIII 177 37 53.01	72 72 73 74
LIV λ 29 35 31.47 L 74 54 23.42 H 696 h 10	LII 1 1 26.60 LVI 181 49 40.92 LV 249 8 21.40 LIII 295 45 53.40	65 67 66 65	LXII λ 30 10 16.04 L 74 52 28.27 H 704 h 30	LXIV 188 51 38.37 LXIII 250 47 38.74 LXI 306 12 2.17 LX 352 12 48.23	75 74 73 73
LV λ 29 39 13.96 L 75 5 33.30 H 697 h 31	LIII 11 59 21.41 LIV 69 13 52.52 LVI 118 17 21.02 LVII 171 55 56.19	66 66 67 68	LXIII λ 30 13 11.64 L 75 2 9.94 H 730 h 12	LXII 70 52 31.30 LXIV 133 4 16.32 LXV 185 26 59.88 LXI 357 37 39.53	74 75 76 74

Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance	Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance
LXIV λ 30 19 40.78 L 74 54 9.77 H 705 h 11	LXII 8 52 29.50 LXVI 190 59 30.59 LXV 251 45 11.55 LXIII 313 0 14.25	75 77 76 75	LXXII λ 30 55 0.61 L 74 58 4.55 H 718 h 25	LXX 11 45 48.04 LXXIV 169 32 41.09 LXXIII 238 27 15.45 LXXI 316 5 30.20	83 85 84 83
LXV λ 30 22 14.82 L 75 3 9.70 H 731 h 11	LXIII 5 27 30.03 LXIV 71 49 44.36 LXVI 129 33 38.97 LXVII 189 6 32.03	76 76 77 78	LXXIII λ 30 59 6.89 L 75 5 50.64 H 728 h 30	LXXI 2 56 32.45 LXXII 58 31 15.16 LXXIV 119 27 48.46 LXXV 175 43 10.35	84 84 85 86
LXVI λ 30 27 26.33 L 74 55 54.15 H 714 h 8	LXIV 11 0 23.39 LXVIII 178 16 7.39 LXVII 247 39 22.91 LXV 309 29 58.47	77 79 78 77	LXXIV λ 31 3 48.19 L 74 56 11.45 H 713 h 30	LXXVI 182 44 3.94 LXXV 238 31 24.82 LXXIII 299 22 49.94 LXXII 349 31 42.85	87 86 85 85
LXVII λ 30 30 33.92 L 75 4 42.13 H 736 h 25	LXV 9 7 18.85 LXVI 67 43 50.74 LXVIII 119 3 31.31 LXIX 178 4 39.00	78 78 79 80	LXXV λ 31 8 27.21 L 75 5 1.88 H 726 h 30	LXXIV 58 35 58.83 LXXVI 127 7 54.24 LXXVII 178 36 46.50 LXXIII 355 42 45.19	86 87 88 86
LXVIII λ 30 34 54.96 L 74 55 38.48 H 731 h 20	LXX 179 47 21.35 LXIX 237 54 57.51 LXVII 298 58 55.01 LXVI 358 15 59.42	81 80 79 79	LXXVI λ 31 13 50.27 L 74 56 44.91 H 769 h 25	LXXIV 2 44 21.26 LXXVIII 174 35 5.72 LXXVII 241 30 39.98 LXXV 307 3 36.90	87 89 88 87
LXIX λ 30 39 37.85 L 75 4 21.01 H 745 h 21	LXVIII 57 59 23.67 LXX 124 4 50.38 LXXI 184 46 21.65 LXVII 358 4 28.25	80 81 82 80	LXXVII λ 31 17 34.43 L 75 4 46.45 H 779 h 25	LXXVI 61 34 49.88 LXXVIII 120 24 26.82 LXXIX 176 20 45.45 LXXV 358 36 38.50	88 89 90 88
LXX λ 30 44 44.36 L 74 55 35.97 H 729 h 26	LXXII 191 44 31.89 LXXI 245 0 36.01 LXIX 304 0 22.30 LXVIII 359 47 20.07	83 82 81 81	LXXVIII λ 31 22 4.07 L 74 55 50.36 H 768 h 30	LXXX 184 7 19.05 LXXIX 240 9 1.95 LXXVII 300 19 48.07 LXXVI 354 34 37.38	91 90 89 89
LXXI λ 30 48 36.17 L 75 5 13.08 H 759 h 20	LXIX 4 46 48.27 LXX 65 5 31.32 LXXII 136 9 10.04 LXXIII 182 56 13.16	82 82 83 84	LXXIX λ 31 26 8.72 L 75 4 8.15 H 784 h 30	LXXVIII 60 13 21.31 LXXX 128 17 11.99 LXXXI 187 30 35.71 LXXVII 356 20 25.52	90 91 92 90

Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance	Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance
LXXX λ 31 31 13.82 L 74 56 36.61 H 784 h 31	LXXVIII 4 7 43.81 LXXXII 182 5 28.46 LXXXI 244 13 48.07 LXXIX 308 13 16.21	91 93 92 91	LXXXVIII ° ' " λ 32 6 19.44 L 74 57 37.85 H 824 h 30	XC 185 10 48.19 LXXXIX 241 0 17.88 LXXXVII 298 12 34.44 LXXXVI 359 16 27.65	101 100 99 99
LXXXI λ 31 34 53.52 L 75 5 28.97 H 809 h 20	LXXIX 7 31 17.95 LXXX 64 18 26.63 LXXXII 121 5 50.87 LXXXIII 182 11 55.32	92 92 93 94	LXXXIX λ 32 10 40.06 L 75 6 51.51 H 871 h 15.	LXXXVIII 61 5 12.44 XC 128 4 57.34 XCI 192 6 27.71 LXXXVII 353 43 10.48	100 101 102 100
LXXXII λ 31 39 17.24 L 74 56 57.25 H 788 h 30	LXXX 2 5 39.27 LXXXIV 178 15 2.37 LXXXIII 242 35 21.47 LXXXI 301 1 22.59	93 95 94 93	XC λ 32 16 6.68 L 74 58 40.51 H 889 h 30	LXXXVIII 5 11 21.57 XCII 180 32 30.93 XCI 253 4 12.78 LXXXIX 308 0 35.53	101 103 102 101
LXXXIII λ 31 43 13.72 L 75 5 51.43 H 833 h 5	LXXXI 2 12 7.11 LXXXII 62 40 2.07 LXXXIV 122 47 35.14 LXXXV 186 45 38.86	94 94 95 96	XCI λ 32 18 44.84 L 75 8 53.98 H 958 h 15	LXXXIX 12 7 33.05 XC 73 9 40.50 XCII 125 0 16.70 XCIII 181 48 37.86	102 102 103 104
LXXXIV λ 31 48 17.93 L 74 56 37.91 H 804 h 30	LXXXVI 185 57 56.59 LXXXV 244 21 55.23 LXXXIII 302 42 43.76 LXXXII 358 14 52.19	97 96 95 95	XCII λ 32 24 45.42 L 74 58 46.29 H 976 h 26	XC 0 32 34.02 XCIV 94 5 22.62 XXVII 200 14 7.55 XCIII 256 8 42.76 XCI 304 54 51.43	103 106 105 104 103
LXXXV λ 31 52 36.14 L 75 7 9.57 H 846 h 25	LXXXIII 6 46 20.03 LXXXIV 64 27 28.48 LXXXVI 121 33 16.10 LXXXVII 184 45 22.67	96 96 97 98	XCIII λ 32 26 55.89 L 75 9 12.28 H 1078 h 25	XCI 1 48 47.66 XCII 76 14 18.46 XXVII 160 22 47.00	104 104 105
LXXXVI λ 31 57 31.00 L 74 57 45.70 H 796 h 29	LXXXIV 5 58 32.39 LXXXVIII 179 16 31.81 LXXXVII 245 8 56.78 LXXXV 301 28 17.98	97 99 98 97	XCIV λ 32 25 29.82 L 74 46 24.14 H 904 h 15	XCIV 149 32 56.26 XXVII 230 47 12.39 XCII 273 58 44.74	107 106 106
LXXXVII λ 32 1 33.77 L 75 8 2.08 H 830 h 25	LXXXV 4 45 50.45 LXXXVI 65 14 23.35 LXXXVIII 118 18 5.84 LXXXIX 173 43 47.99	98 98 99 100	XCIV λ 32 35 12.10 L 74 39 39.66 H 900 h 21	XXVIII 184 38 35.80 XXVII 262 19 19.07 XCIV 329 29 18.89	108 107 107

Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance	Station and its co-ordinates	Azimuths of surrounding stations	Reference to triangle containing distance
XXVII λ ° ' " 32 37 59·93 L 75 4 32·49 H 2033 h 2	XCH ° ' " 20 17 13·67 XCIV 50 56 57·63 XCV 82 32 43·59 XXVIII 112 35 26·58 XCIII 340 20 16·49	105 106 107 108 105	XXVIII λ ° ' " 32 46 19·84 L 74 40 43·85 H 895 h 2	XCV ° ' " 4 39 10·46 XXVII 292 22 34·71	108 108

NOTE.—XXVII and XXVIII appertain to the North-West Himalaya Series.

J. B. N. HENNESSEY.

GURHAGARH MERIDIONAL SERIES.

SECONDARY TRIANGULATION. TRIANGLES.

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

The following symbols are adopted

- (D)—to indicate that the common side of two triangles differed before correction by less than 2 feet per mile.
- (E)— ditto ditto ditto by more than 2 feet per mile.
- (?)—to indicate that one of the triangles is evidently erroneous, and therefore no adjustment has been made.

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	
109	XXIII	1 4 35 42 1 7	3'35519	2267	0'429	113	IV	40 12 54 74 49 54	4'627675	42430	8'036	Inch 15
	IV		4'907365	80791	15'301		V		4'802273	63427	12'013	
	Rupoára Hill Pagoda		4'916252	82462	15'618		Dinkar Hill Mark		4'774783	59537	11'276	
110	XXIII	35 51 35 54 30 26	4'684012	48307	9'149	114	VI	3 22 58 15 51 46	4'183166	15246	2'888	" "
	IV		4'826986	67141	12'716		IX		4'848961	70625	13'376	
	Lasúr Hill Fort		4'916252	82462	15'618		Rámgarh Hill Fort No. 1		4'930277	85168	16'130	
111	III	119 12 4 36 16 22	5'108079	128256	24'291	115	VI	51 17 41 27 22 9	4'915734	82363	15'599	" "
	IV		4'939159	86928	16'464		X		4'685927	48521	9'190	
	Binautha Hill Temple		4'785270	60992	11'551		Ratangarh Hill Fort (?)		5'014875	103484	19'599	
112	IV	23 43 27 86 10 2	4'406085	25473	4'824	116	X	95 49 57 45 28 48	5'061979	115340	21'845	" "
	V		4'800526	63172	11'964		XI		4'917326	82666	15'656	
	Piplia Temple		4'774783	59537	11'276		Ratangarh Hill Fort (?)		4'860164	72471	13'726	

NOTE.—1. Stations denoted by Roman numerals are Principal Stations, excepting where followed by the letters h., s., or t.s.
2. The values of the side are given in the same line with the opposite angle.

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

No. of station	Station	Corrected plane angle ° ' "	Distance			No. of triangle	Station	Corrected plane angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
117	IX X Bego Palace	31 59 17 23 7 46	4.772032 4.642150 4.901954	59161 43868 91612	11.205 8.308 17.351	129	XII XV Chauleswar Hill Temple	35 29 3 42 51 45	4.879699 4.948577 5.106868	75805 88833 127899	14.357 16.815 24.223	Inch 18 "
118	IX X Mandalgarh s. (D)	52 13 59 55 23 31 72 22 30	4.880741 4.898264 4.9061954	75987 79116 91612	14.392 14.984 17.351	130	XII XIV Amirgarh Hill Fort	10 25 20 51 56 56	4.302646 4.941436 4.992625	20075 87385 98316	3.802 16.550 18.620	" " "
119	X XIII Mandalgarh s. (D)	54 28 42 68 14 50 57 16 28	4.823391 4.880741 4.837757	66587 75987 68827	12.611 14.392 13.035	131	XII XIV Giloji Hill Temple	10 47 2 78 56 41	4.264716 4.984495 4.992625	18396 96493 98316	3.484 18.275 18.620	" " "
120	IX XII Gangrū Hill Fort	127 31 44 26 47 54	5.106800 4.915535 4.898221	144810 82326 79108	27.426 15.592 14.983	132	XII XV Jawal Hill Temple	1 7 21 1 4 49	4.814163 4.797514 5.106868	65187 62736 127899	12.346 11.882 24.223	" " "
121	IX XII Burūndi Hill Mark	48 24 57 28 35 28	4.783376 4.586417 4.898221	60726 38852 79108	11.501 7.358 14.983	133	XII XV Kachola Hill Temple (D)	43 18 45 30 31 49	4.960679 4.830228 5.106868	91344 67644 127899	17.300 12.811 24.223	" " "
122	X XIII Rāwardhan Hill	92 46 24 10 0 40	4.848150 4.088807 4.837757	70494 12269 68827	13.351 2.324 13.035	134	XIV XV Kachola Hill Temple (D)	85 29 3 19 33 36	4.960679 4.486806 4.946883	91344 30677 88488	17.300 5.810 16.759	" " "
123	X XIII Badwa Hill	32 24.6 44 3 14	4.579051 4.692201 4.837757	37936 49227 68827	7.185 9.323 13.035	135	XII XV Arjāh Hill Temple (E)	30 28 12 101 18 13	4.939339 5.225749 5.106868	86964 168170 127899	16.470 31.850 24.223	" " "
124	X XIII Mandalgarh Temple (D)	53 12 32 65 42 10	4.799104 4.855288 4.837757	62966 71662 68827	11.925 13.572 13.035	136	XV XIX Arjāh Hill Temple (E)	91 45 8 42 48 8	5.106966 4.939339 4.900005	127928 86964 91202	24.229 16.470 17.273	" " "
125	Mandalgarh s. XIII Mandalgarh Temple (D)	37 11 33 2 32 40	4.799104 3.665938 4.823391	62966 4624 66587	11.925 0.876 12.611	137	XII XV Pur Hill Temple (D)	48 44 33 87 26 17	5.142594 5.266084 5.106868	138865 184537 127899	26.300 34.950 24.223	" " "
126	Mandalgarh s. XIII Mandalgarh S. Minaret	54 31 15 3 41 58	4.804730 3.703643 4.823391	63787 5954 66587	12.081 0.957 12.611	138	XV XX Pur Hill Temple (D)	32 27 27 118 57 13	4.930291 5.142594 4.880482	85171 138865 75942	16.131 26.300 14.383	" " "
127	Mandalgarh s. XIII Mandalgarh N. Minaret	53 55 30 3 39 44	4.804485 3.702267 4.823391	63751 5038 66587	12.074 0.954 12.611	139	XIV XV Chitorgarh Hill Fort	60 34 26 100 39 47	5.379505 5.431927 4.946883	239610 270351 88488	45.381 51.203 16.759	" " "
128	XII XIII Chauleswar Hill Temple	91 59 21 51 50 16	5.052485 4.948315 4.823765	112846 88780 66645	21.372 16.814 12.622	140	XIV XV Harnia h.s. (E)	28 22 44 127 57 15	5.020252 5.240088 4.946883	104774 173815 88488	19.843 32.920 16.759	" " "

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	
141	XV XX Harnia h.s. (E)	42 1 54 46 25 56	4.846185 5.020252 4.880482	70175 104774 75942	13.291 19.843 14.383	153	XV Harnia h.s. Dikola Hill Fort (E)	79 45 19 10 32 20	5.013278 4.282478 5.020252	103104 19164 104774	19.527 3.629 19.843	Inch 18 7
142	XIV XV Shaipura Palace (D)	27 58 0 77 12 6	4.633417 4.951357 4.946883	42995 89404 88488	8.143 16.932 16.759	154	XV XXI Banera Palace (P)	32 45 47 19 12 4	5.047930 4.831643 5.210919	111668 67865 162525	21.149 12.853 30.781	18 "
143	XV XX Shaipura Palace (D)	112 48 45 23 10 4	5.003182 4.633417 4.880482	100735 42995 75942	19.079 8.143 14.383	155	XX XXI Banera Palace (P)	132 6 52 3 5 31	5.047829 3.999436 5.025453	111642 8118 106036	21.144 1.537 20.083	" "
144	XIV XVI Kishangarh Hill Fort	12 49 15 8 59 6	4.701420 4.548871 4.925172	50283 35389 84173	9.523 6.703 15.942	156	XV Harnia h.s. Pandal (P)	91 10 0 72 1 0	4.593368 5.041914 5.020252	31869 110132 104774	6.036 20.858 19.843	7 "
145	XIV XVI Shai Máttha Hill Temple [(E)]	37 46 14 75 20 19	4.748604 4.947121 4.925172	56054 88536 84173	10.616 16.768 15.942	157	XX Harnia h.s. Pandal (P)	25 18 0 44 44 0	4.503899 4.720562 4.846185	31908 52549 70175	6.043 9.952 13.291	18 7
146	XIV XVIII Shai Máttha Hill Temple [(E)]	62 49 34 43 43 22	5.056743 4.947121 5.089164	113958 88536 122790	21.583 16.768 23.256	158	XVII XVIII Alamba Hill Temple	1 21 3 134 34 8	3.389733 4.870022 4.859694	2453 74135 72393	0.465 14.041 13.711	18 "
147	XIV XVIII Sáwar Hill Fort	32 12 20 55 54 28	4.816092 5.007501 5.089164	65478 101742 122790	12.401 19.269 23.256	159	XVII XVIII Naiki Hill	95 2 5 40 1 51	5.009028 4.819053 4.859694	102100 65925 72393	19.337 12.486 13.711	" "
148	XIV XVIII Jáipur Hill Fort (P)	60 34 39 31 49 4	5.029572 4.811535 5.089164	107046 64794 122790	20.274 12.272 23.256	160	XIX XX Dabla Bungalow	26 3 49 6 53 22	4.908828 4.345014 5.001559	81064 22132 100360	15.353 4.192 19.008	" "
149	XV XVIII Jáipur Hill Fort (P)	49 30 44 75 15 21	5.029701 5.134035 5.003166	107078 136155 115655	20.280 25.787 21.904	161	XIX XXI Rámgarh Hill Fort No. 2 [(D)]	37 33 51 87 36 45	4.919692 5.134235 5.047036	83117 136218 111439	15.742 25.799 21.106	" "
150	XV XX Sagatpura Building	126 32 19 17 44 54	5.019235 4.598340 4.880482	104528 39659 75942	19.797 7.511 14.383	162	XIX XXII Rámgarh Hill Fort No. 2 [(D)]	12 52 56 55 3 32	4.568761 5.134235 5.187543	37048 130218 154008	7.017 25.799 29.168	" "
151	XV XX Bámnia Tower	25 54 58 25 0 3	4.631026 4.616452 4.880482	42759 41348 75942	8.098 7.831 14.383	163	XIX XXI Sakráni s. (D)	67 56 59 43 36 51	5.045561 4.917271 5.047036	111061 82655 111439	21.034 15.654 21.106	" "
152	XV XX Dikola Hill Fort (E)	37 43 25 10 55 6	4.791723 4.282478 4.880482	61905 19164 75942	11.724 3.629 14.383	164	XXI XXII Sakráni s. (D)	39 57 59 64 16 25	4.898637 5.045561 5.077347	79184 111061 119494	14.997 21.034 22.631	" "

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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	
165	XIX	38 26 37	4'986198	96872	18'347	Inch 18	XX	25 33 44	4'706260	50846	9'630	Inch 18	
	XXII	42 50 30	5'025079	105945	20'065		XXI	90 18 3	5'071282	117837	22'318		"
	Binai Hill Fort (D)	5'187543	154008	29'168	Nowála Hill Temple		5'025453	106036	20'083				
166	XXII	69 32 17	5'033185	107941	20'443	18	XX	5 14 22	3'992594	9831	1'862	"	
	XXIV	57 13 40	4'986198	95872	18'347		XXI	74 48 32	5'016590	103894	19'677		"
	Binai Hill Fort (D)	4'965170	92293	17'480	Mátháji Kheri Hill Temple		5'025453	106036	20'083				
167	XIX	40 57 11	5'004728	101095	19'147	"	XX	14 32 50	4'907165	80754	15'294	"	
	XXII	45 54 38	5'044473	110783	20'982		XXI	146 11 43	5'252543	178872	33'877		"
	Binai h.s. (E)	5'187543	154008	29'168	Gidan Mátha Hill Temple (D)		5'025453	106036	20'083				
168	XXII	66 28 9	5'026309	106245	20'122	"	XXI	75 19 46	5'100867	126144	23'891	"	
	XXIV	60 44 19	5'004728	101095	19'147		XXII	38 15 55	4'907165	80754	15'294		"
	Binai h.s. (E)	4'965170	92293	17'480	Gidan Mátha Hill Temple (D)		5'077347	119494	22'631				
169	XX	49 15 30	4'731029	53831	10'195	"	XXI	61 30 59	5'026790	106363	20'144	"	
	Harnia h.s.	31 45 0	4'572717	37387	7'081		XXII	37 33 52	4'867907	73775	13'972		"
	Mandal Minaret	4'846185	70175	13'291	Gopichand Hill Temple		5'077347	119494	22'631				
170	XX	26 36 30	4'591943	39079	7'401	18	XXII	62 33 11	4'849332	70686	13'387	"	
	Harnia h.s.	26 56 0	4'596826	39521	7'485		Sakráni s.	83 47 17	4'644898	44147	8'361		"
	Jípia Hill Pagoda (P)	4'846185	70175	13'291	Jámbola h.s. (D)		5'077347	119494	22'631				
171	Harnia h.s.	17 48 0	4'115587	13049	2'471	"	XXII	31 31 46	4'773339	59339	11'238	18	
	Pandal "	113 52 0	4'591477	39037	7'393		XXIV	125 34 30	4'644898	44147	8'361		"
	Jípia Hill Pagoda (P)	4'503634	31888	6'039	Jámbola h.s. (D)		5'077347	119494	22'631				
172	Harnia h.s.	31 46 30	4'378414	23901	4'527	"	XXII	9 9 40	4'450448	28213	5'343	18	
	Pandal "	12 51 30	4'004356	10101	1'913		XXIII	131 7 51	5'125390	133472	25'279		"
	Blilwára Pagoda	4'503634	31888	6'039	Nagola Fort		5'053891	113212	21'442				
173	XX	157 40 56	5'060032	114824	21'747	18	XXII	54 25 3	5'037043	108904	20'626	"	
	XXI	1 47 20	3'974933	9439	1'788		XXIII	3 18 9	3'887283	7714	1'461		"
	Banera Makbara	5'025453	106036	20'083	Masúda h.s. (D)		5'053891	113212	21'442				
174	XX	48 20 30	5'208750	161715	30'628	"	XXIII	45 5 36	4'928011	84725	16'046	"	
	XXI	102 19 31	5'325231	211462	40'050		XXIV	65 33 29	5'037043	108904	20'626		"
	Sánd Mátha Hill Temple	5'025453	106036	20'083	Masúda h.s. (D)		5'048976	111938	21'200				
175	XX	27 54 38	4'739591	54902	10'398	"	XXII	44 48 21	4'951231	89378	16'928	"	
	XXI	87 23 36	5'068809	117168	22'191		XXIII	71 59 22	5'081403	120615	22'844		"
	Daulatgarh Hill Temple	5'025453	106036	20'083	Nasrabad Wind-mill (D)		5'053891	113212	21'442				
176	XX	26 44 32	4'722313	52761	9'993	"	XXIII	23 35 37	4'669386	46707	8'846	"	
	XXI	88 31 25	5'068978	117214	22'200		XXIV	49 59 14	4'951231	89378	16'928		"
	Daulatgarh Hill Fort	5'025453	106036	20'083	Nasrabad Wind-mill (D)		5'048976	111938	21'200				

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	
189	XXII XXIV Niara Tower	23 51 12 54 14 10	4'58 1430 4'88 3875 4'96 5170	38144 76538 92293	7.224 14.496 17.480	201	XXIII XXIV Balwanta h.s.	19 0 19 90 33 11	4'58 7545 5'07 4767 5'04 8976	38685 118786 111938	7.327 22.497 21.200	Inch 18 "
190	XXII XXIV Binai Temple	70 29 44 51 5 8	5'00 9116 4'92 5809 4'96 5170	102121 84296 92293	19.341 15.965 17.480	202	XXIII XXVII Balwanta h.s.	15 31 52 43 36 22	4'66 3857 5'07 4767 5'16 9798	46117 118786 147842	8.734 22.497 28.000	" " "
191	XXII XXIV Nasur Tower	11 30 58 27 10 22	4'46 9482 4'82 8834 4'96 5170	29477 67427 92293	5.583 12.770 17.480	203	XXIII XXIV Nasirabad Temple (D)	26 34 55 48 1 33	4'71 5611 4'93 6090 5'04 8976	51953 86316 111938	9.840 16.348 21.200	" " "
192	XXII XXIV Masuda Palace	23 58 0 3 49 20	4'90 5329 4'12 0455 4'96 5170	80414 13196 92293	15.230 2.499 17.480	204	XXIV XXVII Nasirabad Temple (D)	48 40 37 37 55 3	4'80 2710 4'71 5611 4'92 6303	63491 51953 84392	12.025 9.840 15.983	" " "
193	XXII XXV Dwarka h.s. (E)	46 9 49 52 5 38	4'86 7104 4'90 6063 5'00 4450	73638 80550 101030	13.947 15.256 19.134	205	XXIII XXIV Bir h.s. (D)	32 14 44 88 22 43	4'84 1386 5'11 4938 5'04 8976	69404 130028 111938	13.145 24.627 21.200	" " "
194	XXIV XXV Dwarka h.s. (E)	30 49 34 108 34 39	4'86 7104 5'13 4225 4'97 0864	73638 136215 93511	13.947 25.798 17.710	206	XXIV XXVII Bir h.s. (D)	8 19 27 32 35 13	4'27 0826 4'84 1386 4'92 6303	18656 69404 84392	3.533 13.145 15.983	" " "
195	XXII XXV Nand Hill Temple (D)	30 48 46 110 0 57	4'91 3448 5'17 6921 5'00 4450	81931 150287 101030	15.517 28.463 19.134	207	XXIII XXIV Loarwara h.s. (D)	32 50 17 33 22 0	4'82 1771 4'82 7917 5'04 8976	66339 67285 111938	12.564 12.743 21.200	" " "
196	XXIV XXV Nand Hill Temple (D)	55 46 42 53 31 56	4'91 3448 4'90 1371 4'97 0864	81931 79684 93511	15.517 15.092 17.710	208	XXIV XXVII Loarwara h.s. (D)	63 20 10 47 20 38	4'90 6398 4'82 1771 4'92 6303	80612 66339 84392	15.267 12.564 15.983	" " "
197	XXII XXV Amargarh h.s. (D)	35 14 29 24 13 57	4'83 0438 4'68 2496 5'00 4450	67677 48139 101030	12.818 9.117 19.134	209	XXIV XXV Samail Hill Tower (D)	17 15 17 73 38 19	4'44 3118 4'95 2963 4'97 0864	27741 89735 93511	5.254 16.995 17.710	" " "
198	XXIV XXV Amargarh h.s. (D)	44 52 19 32 15 4	4'83 0438 4'70 9167 4'97 0864	67677 51188 93511	12.818 9.695 17.710	210	XXIV XXVI Samail Hill Tower (D)	82 51 45 50 15 40	5'06 3678 4'95 2963 4'93 0308	115792 89735 85174	21.930 16.995 16.131	" " "
199	XXII XXV Nagwa h.s. (E)	39 58 15 89 6 46	4'92 2265 5'11 4409 5'00 4450	83611 130139 101030	15.835 24.648 19.134	211	XXIV XXVI Targarh S. Cupola (D)	31 10 16 34 31 2	4'68 4628 4'72 3956 4'93 0308	48376 52901 85174	9.162 10.030 16.131	" " "
200	XXIV XXV Nagwa h.s. (E)	62 52 28 32 37 45	4'92 2265 4'70 4920 4'97 0864	83611 50655 93511	15.835 9.594 17.710	212	XXIV XXVII Targarh S. Cupola (D)	34 7 15 36 13 43	4'70 1279 4'72 3956 4'92 6303	50267 52901 84392	9.520 10.030 15.983	" " "

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

No.	Station	Corrected plane angle	Distance			No. of triangle	Station	Corrected plane angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
213	XXIV Kondiáwás h.s. (E)	39 23 46 105 46 41	4'976162 5'156929 4'930308	94659 143525 85174	17.928 27.183 16.131	225	XXV Ríáh s. Indargarh Idgáh (E)	49 49 29 71 15 3	4'900187 4'993372 4'949773	79467 98485 89079	15.051 18.653 16.871	Inch 18 7
214	XXVI Kondiáwás h.s. (E)	48 50 10 67 44 25	4'886493 4'976162 4'961298	77000 94659 91474	14.583 17.928 17.325	226	XXVI Ríáh s. Indargarh Idgáh (E)	50 43 51 2 14 34	4'900187 3'603896 4'913541	79467 4017 81948	15.051 0.761 15.521	18 7
215	XXIV Tárágarh N. Cupola	34 7 59 36 16 7	4'701274 4'724228 4'926303	50266 52994 84392	9.520 10.037 15.983	227	XXVI Tárágarh Idgáh	22 23 36 21 29 53	4'701264 4'684419 4'961298	50265 48353 91474	9.520 9.158 17.325	24 "
216	XXIV Ajmír Residency	21 24 15 34 11 59	4'571996 4'759597 4'926303	37325 57487 84392	7.069 10.888 15.983	228	XXVI Kondiáwás h.s. Pátri (?)	86 55 27 46 11 13	5'112195 4'971119 4'976162	129478 93566 94659	24.522 17.721 17.928	18 7
217	XXIV Ajmír Tomb	21 0 6 44 10 25	4'522772 4'811540 4'926303	33325 64795 84392	6.312 12.272 15.983	229	XXVI Ríáh s. Pátri (?)	46 59 30 75 5 40	4'849598 4'970064 4'913541	70729 93468 81948	13.396 17.702 15.521	18 7
218	XXV Rás Hill Fort	141 23 29 12 6 50	5'132770 4'659508 4'987034	135759 45657 97059	25.712 8.647 18.382	230	XXVI Pátri s. Ráwath "	78 40 15 17 12 0	4'964630 4'444039 4'970892	92178 27800 93517	17.458 5.265 17.712	18 7
219	XXV Shewri Hill Fort	82 19 25 17 20 45	4'989339 4'467667 4'987034	97575 29354 97059	18.480 5.559 18.382	231	XXVI Siára Hill Temple (E)	119 49 47 37 34 12	5'554062 5'400927 5'200459	358148 251725 158657	67.831 47.675 30.049	24 "
220	XXV Pokar N. Hill Temple	10 37 13 111 54 15	4'326647 5'028582 4'987034	21215 106803 97059	4.018 20.228 18.382	232	XXVI Siára Hill Temple (E)	68 30 52 74 41 10	5'385349 5'400927 5'194066	242856 251725 156338	45.995 47.675 29.610	" "
221	XXV Pokar Sáwatri Hill Temple	12 12 39 86 58 19	4'317966 4'992029 4'987034	20795 98181 97059	3.939 18.595 18.382	233	XXVI Mirta Temple (D)	96 54 41 41 22 28	5'374199 5'197553 5'200459	236700 157599 158657	44.830 29.848 30.049	" "
222	XXV Mukeria Hill Temple	136 37 38 16 25 19	5'167504 4'782039 4'987034	147063 60339 97059	27.853 11.466 18.382	234	XXVI Mirta Temple (D)	45 35 46 67 44 57	5'085117 5'197553 5'194066	121651 157599 156338	23.040 29.848 29.610	" "
223	XXV Ríáh s. (E)	52 1 31	4'913541 4'949773 4'987034	81948 89079 97059	15.521 16.871 18.382	235	XXVI Sand Hill No. 77 (D)	53 44 26 47 1 17	5'114688 5'074444 5'200459	130223 118153 158657	24.663 22.377 30.049	" "
224	XXVI Ríáh s. (E)	56 54 12 31 36 2	5'117329 4'913541 5'194066	131017 81948 156338	24.814 15.521 29.610	236	XXVII Sand Hill No. 77 (D)	16 26 38 72 39 40	4'586788 5'114688 5'134832	38618 130223 136405	7.314 24.663 25.834	" "

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	
237	XXVI XXVIII Jánoji Hill Temple (D)	51 21 38 63 22 46	5'134971 5'193604 5'200459	136449 156172 158657	25'843 29'578 30'049	Inch 24 "	249	XXVIII XXIX Kátoh Hill Tomb (D)	40 39 29 75 3 20	4'994063 5'165176 5'134832	98642 146277 136405	18'682 27'704 25'834	Inch 24 "
238	XXVIII XXX Jánoji Hill Temple (D)	71 1 57 46 22 18	5'251089 5'134971 5'223641	178274 136449 167356	33'764 25'843 31'696	" "	250	XXVIII XXX Kátoh Hill Tomb (D)	30 17 19 60 54 36	4'926473 5'165176 5'223641	84425 146277 167356	15'990 27'704 31'696	" "
239	XXVI XXIX Pátri Hill Fort	9 52 26 14 0 41	4'820925 4'970732 5'194066	66210 93483 156338	12'540 17'705 29'610	" "	251	XXVIII XXIX Tíratnách s. (D)	70 56 4 62 40 45	5'250587 5'223721 5'134832	178068 167387 136405	33'725 31'702 25'834	" "
240	XXVII Kondiáwás h.s. Tonkro "	42 46 44 67 39 0 69 34 16	4'746683 4'880789 4'886493	55806 75996 77000	10'569 14'393 14'583	18 7 "	252	XXVIII XXXI Tíratnách s. (D)	53 17 46 74 16 38	5'144313 5'223721 5'139322	139416 167387 137823	26'405 31'702 26'103	" "
241	XXVII Kondiáwás h.s. Kisangarh Hill Fort (?)	53 24 27 37 9 15	4'791173 4'667523 4'886493	61826 46508 79000	11'710 8'808 14'583	18 7	253	XXVIII XXX Kátoh Hill Temple (D)	32 12 15 83 3 28	4'993973 5'264101 5'223641	98622 183696 167356	18'678 34'791 31'696	" "
242	Kondiáwás h.s. Tonkro " Kisangarh Hill Fort (?)	30 29 45 85 37 15	4'498871 4'792186 4'746683	31541 61971 55806	5'974 11'737 10'569	" "	254	XXVIII XXXI Kátoh Hill Temple (D)	85 29 17 56 1 55	5'344015 5'264101 5'139322	220808 183696 137823	41'820 34'791 26'103	" "
243	Kondiáwás h.s. Tonkro " Kájpura Hill	59 46 0 52 40 0	4'717364 4'681292 4'746683	52163 48006 55806	9'879 9'092 10'569	" "	255	XXVIII XXX Dídwána Temple (E)	7 34 56 121 57 49	4'456927 5'265114 5'223641	28637 184126 167356	5'424 34'872 31'696	" "
244	XXVII XXVIII Bihára Hill Building (E)	45 56 43 37 56 17	5'064825 4'997032 5'205812	116098 99319 160625	21'988 18'810 30'421	24 "	256	XXVIII Tíratnách s. Dídwána Temple (E)	7 35 40 121 51 40	4'457139 5'265114 5'223721	28651 184126 167387	5'426 34'872 31'702	" 7
245	XXVIII XXXI Bihára Hill Building (E)	101 4 34 35 25 59	5'293417 5'064825 5'139322	196525 116098 137823	37'221 21'988 26'103	" "	257	XXVIII XXX Páncawa Hill Fort (D)	53 35 30 51 31 52	5'144640 5'132679 5'223641	139521 135731 167356	26'424 25'707 31'696	24 "
246	XXVIII XXXI Gúdkh	50 7 4 64 55 32	5'067201 5'139212 5'139322	116735 137788 137823	22'109 26'096 26'103	" "	258	XXX XXXII Páncawa Hill Fort (D)	56 13 0 56 36 7	5'142700 5'144640 5'187630	138899 139521 154039	26'307 26'424 29'174	" "
247	XXVII XXVIII Sámbar Hill Temple (D)	36 42 9 86 26 43	5'059404 5'282114 5'205812	114658 191476 160625	21'716 36'264 30'421	" "	259	XXVIII XXXI Márat Hill (D)	26 53 20 81 11 45	4'816715 5'156178 5'139322	65571 143277 137823	12'419 27'136 26'103	" "
248	XXVIII Gúdkh Sámbar Hill Temple (D)	2 27 4 11 55 1	4'375606 5'059404 5'139212	23747 114658 137788	4'498 21'716 26'096	" "	260	XXVIII Gúdkh Márat Hill (D)	23 13 44 83 48 49	4'754657 5'156178 5'139212	56840 143277 137788	10'765 27'136 26'096	" "

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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	
261 XXVIII Gúdhá Náhargárh Hill (D)	30 11 40 18 12 14	4'966951 4'760149 5'139212	92673 57564 137788	17'552 10'902 26'096	Inch 24 " "	273 XXXX Korandi Hill (D)	42 2 10 80 52 47	5'089439 5'258099 5'187630	122868 181175 154039	23'270 34'314 29'174	Inch 24 " "	
262 XXXI Gúdhá Náhargárh Hill (D)	51 44 12 46 45 10	4'966951 4'934358 5'067201	92673 85972 116735	17'552 16'283 22'109	" "	274 XXXI Korandi Hill (D)	63 50 12 23 59 2	5'089439 4'745424 5'136070	122868 55645 136795	23'270 10'539 25'908	" "	
263 XXIX XXX Kinsirra Hill Temple (D)	62 41 14 46 22 54	5'223771 5'134815 5'250596	167406 136400 178072	31'706 25'833 33'726	" "	275 XXX Thaura Hill Temple (D)	41 22 34 50 2 4	5'007962 5'072234 5'187630	101850 118096 154039	19'290 22'367 29'174	" "	
264 XXX XXXI Kinsirra Hill Temple (D)	52 26 56 74 17 13	5'139482 5'223771 5'144163	137874 167406 139368	26'112 31'706 26'395	" "	276 XXXII XXXIV Thaura Hill Temple (D)	90 30 0 56 31 23	5'086723 5'007962 4'822579	122102 101850 66463	23'125 19'200 12'588	" "	
265 XXX XXXI Nícho Fort (D)	69 12 24 51 42 44	5'181478 5'105547 5'144163	151872 127511 139368	28'764 24'150 26'395	" "	277 XXXI XXXII Deogárh Hill Fort (D)	40 46 51 72 44 3	4'988746 5'153697 5'136070	97442 142461 136795	18'455 26'981 25'908	" "	
266 XXX XXXIII Nícho Fort (D)	27 32 33 27 22 4	4'781213 5'105547 5'101315	60425 127511 126274	11'444 24'150 23'916	" "	278 XXXII XXXIV Deogárh Hill Fort (D)	89 50 8 55 48 55	5'071118 4'988746 4'822579	117792 97442 66463	22'309 18'455 12'588	" "	
267 XXX XXXI Kucháwan Temple (D)	14 12 50 64 50 30	4'542261 5'108849 5'144163	34855 128484 139368	6'601 24'334 26'395	" "	279 XXXI XXXII Harsnáth Hill Temple (D)	42 57 39 63 13 26	4'987097 5'104374 5'136070	97073 127167 136795	18'385 24'085 25'908	" "	
268 XXX XXXIII Kucháwan Temple (D)	110 57 47 34 51 37	5'322033 5'108849 5'101315	209910 128484 126274	39'756 24'334 23'916	" "	280 XXXII XXXIV Harsnáth Hill Temple (D)	99 20 45 49 21 19	5'101188 4'987097 4'822579	126237 97073 66463	23'909 18'385 12'588	" "	
269 XXX XXXII Shisham Hill Temple (D)	25 49 24 86 14 21	4'859741 5'219719 5'187630	72400 165851 154039	13'712 31'411 29'174	" "	281 XXXII XXXIII Muglúna Fort (D)	40 37 1 38 15 43	4'832631 4'810922 5'010818	68019 64703 102522	12'882 12'254 19'417	" "	
270 XXX XXXIII Shisham Hill Temple (D)	67 15 55 67 52 44	5'217799 5'219719 5'101315	165119 165851 126274	31'273 31'411 23'916	" "	282 XXXII XXXIV Muglúna Fort (D)	45 18 38 65 30 11	4'703714 4'810922 4'822579	50549 64703 66463	9'574 12'254 12'588	" "	
271 XXX XXXII Rúpgárh Hill Fort (D)	35 22 43 99 38 8	5'100913 5'332082 5'187630	126158 214823 154039	23'893 40'686 29'174	" "	283 XXXII XXXIV Raghunáthgarh Hill (D)	69 47 9 86 8 7	5'184317 5'210937 4'822579	152868 162531 66463	28'952 30'782 12'588	" "	
272 XXX XXXIII Rúpgárh Hill Fort (D)	76 49 14 69 43 8	5'348285 5'332082 5'101315	222990 214823 126274	42'233 40'686 23'916	" "	284 XXXIII XXXIV Raghunáthgarh Hill (D)	19 11 56 146 4 36	5'184317 5'414020 5'072447	152868 259430 118153	28'952 49'134 22'378	" "	

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	
285	XXXII XXXIV Kála Tho Hill (D)	61 16 40 102 12 35	5'311897 5'358981 4'822579	205068 228550 66463	38'839 43'286 12'588	Inch 24 "	297	XXXV XXXVI Sand Hill No. 73 (D)	25 33 6 26 39 57	4'712361 4'729596 4'975372	51566 53653 94487	9'766 10'162 17'895	Inch 24 "
286	XXXIV XXXVI Kála Tho Hill (D)	64 9 48 99 10 52	5'271759 5'311897 4'774800	186964 205068 59539	35'410 38'839 11'276	"	298	XXXVI XXXVII Sand Hill No. 73 (D)	37 45 42 45 52 29	4'643366 4'712361 4'853662	43991 51566 71394	8'332 9'766 13'522	"
287	XXXIV XXXV Lachmangarh Hill Fort (D)	91 5 33 16 1 36	5'066402 4'507523 5'046800	116520 32175 111378	22'068 6'094 21'094	"	299	XXXV XXXVII Sand Hill No. 65 (D)	72 57 16 33 8 4	4'954780 4'711964 4'956938	90112 51519 90560	17'067 9'757 17'152	"
288	XXXIV XXXVI Lachmangarh Hill Fort (D)	33 3 43 28 19 10	4'568221 4'507523 4'774800	37002 32175 59539	7'008 6'094 11'276	"	300	XXXV XXXVIII Sand Hill No. 65 (D)	31 55 47 40 52 47	4'619428 4'711964 4'876224	41632 51519 75201	7'885 9'757 14'243	"
289	XXXIV XXXVI Shehandan Rock N. Head (D)	96 34 21 45 9 9	4'978820 4'831441 4'774800	95240 67833 59539	18'038 12'847 11'276	"	301	XXXV XXXVII Rámgarh House (D)	14 14 11 71 12 40	4'349109 4'934528 4'956938	22341 86006 90560	4'231 16'289 17'152	"
290	XXXV XXXVI Shehandan Rock N. Head (D)	68 14 39 44 37 13	4'978820 4'857499 4'975372	95240 72028 94487	18'038 13'642 17'895	"	302	XXXV XXXVIII Rámgarh House (D)	26 47 18 92 19 33	4'588769 4'934528 4'876224	38794 86006 75201	7'347 16'289 14'243	"
291	XXXIV XXXV Fathipur House (D)	39 15 33 40 45 47	4'854706 4'868287 5'046800	71566 73839 111378	13'554 13'985 21'094	"	303	XXXV XXXVII Delpálsir Temple (D)	34 39 32 74 48 42	4'737387 4'967071 4'956938	54624 92698 90560	10'346 17'556 17'152	"
292	XXXV XXXVII Fathipur House (D)	36 52 40 52 12 0	4'735225 4'854706 4'956938	54353 71566 90560	10'294 13'554 17'152	"	304	XXXVII XXXIX Delpálsir Temple (D)	35 52 50 56 29 54	4'584259 4'737387 4'815915	38394 54624 65451	7'272 10'346 12'396	"
293	XXXV XXXVI Sand Hill No. 71 (D)	48 41 55 45 14 45	4'852185 4'827743 4'975372	71152 67258 94487	13'476 12'738 17'895	"	305	XXXV XXXVIII Sand Hill No. 68 (D)	19 54 27 14 48 17	4'652885 4'528199 4'876224	44966 33744 75201	8'516 6'391 14'243	"
294	XXXV XXXVIII Sand Hill No. 71 (D)	37 39 12 61 53 8	4'668228 4'827743 4'876224	46583 67258 75201	8'823 12'738 14'243	"	306	XXXVII XXXVIII Sand Hill No. 68 (D)	43 57 0 68 35 36	4'652885 4'780462 4'776985	44966 60320 59839	8'516 11'424 11'333	"
295	XXXV XXXVI Mandáwa Tower (D)	28 22 13 105 23 12	4'793513 5'100814 4'975372	62160 126129 94487	11'773 23'888 17'895	"	307	XXXVI XXXVII Rasora Rock S. Head (D)	49 51 50 92 43 53	4'953544 5'069664 4'853662	89855 117399 71394	17'018 22'235 13'522	"
296	XXXVI XXXVII Mandáwa Tower (D)	40 57 33 59 1 57	4'676886 4'793513 4'853662	47521 62160 71394	9'000 11'773 13'522	"	308	XXXVII XXXIX Rasora Rock S. Head (D)	86 19 49 56 20 45	5'032321 4'953544 4'815915	107726 89855 65451	20'403 17'018 12'396	"

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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	
309	XXXVI XXXVII Jhunjhunu Hill Building [(D)]	57 32 11 91 29 54	5'068466 5'142113 4'853662	117075 138712 71394	22.173 26.271 13.522	Inch 24 "	321	XXXVIII XXXIX Sand Hill No. 55 (D)	92 58 17 36 55 29	4'879251 4'658540 4'764748	75727 45555 58177	14.342 8.628 11.018	Inch 24 "
310	XXXVII XXXIX Jhunjhunu Hill Building [(D)]	87 33 49 62 39 39	5'119512 5'068466 4'815915	131678 117075 65451	24.939 22.173 12.396	"	322	XXXIX XL Sand Hill No. 55 (D)	34 23 58 89 13 38	4'631307 4'879251 4'799760	42787 75727 63061	8.104 14.342 11.943	"
311	XXXVII XXXVIII Sand Hill No. 58 (D)	21 18 1 106 22 4	4'438711 4'860531 4'776985	27461 72532 59839	5.201 13.737 11.333	"	323	XXXVIII XL Sand Hill No. 52 (D)	36 2 53 69 31 55	4'635969 4'837927 4'849991	43248 68854 70793	8.191 13.040 13.408	"
312	XXXVII XXXIX Sand Hill No. 58 (D)	33 48 52 82 40 35	4'609558 4'860531 4'815915	40697 72532 65451	7.708 13.737 12.396	"	324	XL XLI Sand Hill No. 52 (D)	57 55 6 53 45 59	4'657337 4'635969 4'697427	45429 43248 49823	8.604 8.191 9.436	"
313	XXXVII XXXVIII Chúru House (D)	39 51 49 86 52 8	4'649540 4'837169 4'776985	44621 68734 59839	8.451 13.018 11.333	"	325	XXXIX XL Sand Hill No. 50 (D)	66 47 56 39 9 39	4'780207 4'617204 4'799760	60285 41419 63061	11.418 7.845 11.943	"
314	XXXVII XXXIX Chúru House (D)	15 15 4 92 43 48	4'257700 4'837169 4'815915	18101 68734 65451	3.428 13.018 12.396	"	326	XL XLI Sand Hill No. 50 (D)	37 9 53 87 11 57	4'561841 4'780207 4'697427	36462 60285 49823	6.906 11.418 9.436	"
315	XXXVII XXXVIII Sand Hill No. 60 s. (D)	49 1 59 52 59 33	4'664620 4'688928 4'776985	46198 48857 59839	8.750 9.253 11.333	"	327	XXXIX XLI Sand Hill No. 47 (D)	30 50 54 75 42 52	4'576654 4'853093 4'848330	37727 71301 70523	7.145 13.504 13.357	"
316	XXXVIII XXXIX Sand Hill No. 60 s. (D)	14 21 21 40 28 43	4'246617 4'664620 4'764748	17645 46198 58177	3.342 8.750 11.018	"	328	XLI XLII Sand Hill No. 47 (D)	54 48 29 44 26 1	4'643847 4'576654 4'725831	44040 37727 53190	8.341 7.145 10.074	"
317	XXXVII Sand Hill No. 60 s. Basáu House (D)	25 32 31 74 46 46	4'330663 4'680505 4'688928	21412 47919 48857	4.055 9.076 9.253	24 7	329	XL XLI Sand Hill No. 40 (D)	68 47 55 44 0 41	4'702356 4'574653 4'697427	50391 37554 49823	9.544 7.112 9.436	"
318	XXXIX Sand Hill No. 60 s. Basáu House (D)	55 16 58 82 4 50	4'330663 4'411645 4'246617	21412 25801 17645	4.055 4.887 3.342	24 7	330	XLI XLII Sand Hill No. 40 (D)	26 11 11 70 16 49	4'373329 4'702356 4'725831	23623 50391 53190	4.474 9.544 10.074	"
319	XXXVIII XXXIX Sand Hill No. 53 (D)	47 9 32 66 47 20	4'669090 4'767185 4'764748	46676 58504 58177	8.840 11.080 11.018	24 "	331	XL XLII Sand Hill No. 45 (D)	75 29 53 45 11 50	4'824512 4'689550 4'773020	66759 48927 59295	12.644 9.266 11.230	"
320	XXXVIII XL Sand Hill No. 53 (D)	10 23 33 38 32 22	4'228874 4'767185 4'849991	16938 58504 70793	3.208 11.080 13.408	" "	332	XLI XLII Sand Hill No. 45 (D)	46 57 16 97 26 7	4'824512 4'957040 4'725831	66759 90582 53190	12.644 17.156 10.074	"

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		
333	XLI	17 19 26	4.218234	16529	3.130	345	XLIV	107 18 54	4.776667	59795	11.325	Inch 24	
	XLII	89 17 21	4.744315	55503	10.512		XLV	14 37 3	4.198836	15807	2.994		"
	Bacháwás Tomb (D)	4.725831	53190	10.074	Sand Hill No. 22 s. (D)		4.725547	53155	10.067	"			
334	XLI	46 31 13	4.716398	52047	9.857	346	XLV	61 16 15	4.763731	58040	10.993	" "	
	XLIII	50 41 45	4.744315	55503	10.512		XLVI	64 36 39	4.776667	59795	11.325		
	Bacháwás Tomb (D)	4.852236	71160	13.477	Sand Hill No. 22 s. (D)		4.729388	53628	10.157	"			
335	XLI	40 54 45	4.545507	35116	6.651	347	XLIV	44 41 26	4.599592	39773	7.533	" "	
	XLII	41 49 33	4.553368	35758	6.772		XLV	65 16 28	4.710705	51369	9.729		
	Sand Hill No. 36 (D)	4.725831	53190	10.074	Sand Hill No. 18 (D)		4.725547	53155	10.067	"			
336	XLII	29 18 43	4.609468	40688	7.706	348	XLV	86 21 50	4.780092	60269	11.414	" "	
	XLIII	24 59 38	4.545507	35116	6.651		XLVII	41 11 37	4.599592	39773	7.533		
	Sand Hill No. 36 (D)	4.829291	67498	12.784	Sand Hill No. 18 (D)		4.680099	47874	9.067	"			
337	XLI	83 27 13	4.758960	57406	10.872	349	XLIV	42 10 22	4.647624	44425	8.414	" "	
	XLII	29 32 42	4.454741	28493	5.396		XLVI	54 56 20	4.733702	54163	10.258		
	Sand Hill No. 38 (D)	4.725831	53190	10.074	Sand Hill No. 23 (D)		4.817309	65661	12.436	"			
338	XLII	41 35 34	4.656476	45339	8.587	350	XLVI	42 3 32	4.589992	38904	7.368	" 7	
	XLIII	57 11 38	4.758960	57406	10.872		Sand Hill No. 22 s. (D)	49 54 12	4.647624	44425	8.414		
	Sand Hill No. 38 (D)	4.829291	67498	12.784	Sand Hill No. 23 (D)		4.763731	58040	10.993	"			
339	XLI	31 10 25	4.799154	62973	11.927	351	XLV	32 11 24	4.457376	28667	5.429	24	
	XLIV	78 53 20	5.076914	119375	22.609		XLVI	53 4 47	4.633673	43020	8.148		
	Sand Hill No. 32 (D)	* 5.057945	114273	21.643	Sand Hill No. 16 (D)		4.729388	53628	10.157	"			
340	XLII	51 53 36	4.799154	62973	11.927	352	XLV	43 33 36	4.531806	34026	6.444	" "	
	XLIV	55 56 10	4.821501	66298	12.556		XLVII	60 36 29	4.633673	43020	8.148		
	Sand Hill No. 32 (D)	4.881878	76187	14.429	Sand Hill No. 16 (D)		4.680099	47874	9.067	"			
341	XLII	48 9 30	4.718845	52341	9.913	353	XLV	42 33 58	4.564664	36700	6.951	" "	
	XLIII	57 57 14	4.774896	59552	11.279		XLVI	38 42 58	4.530636	33934	6.427		
	Sand Hill No. 25 (D)	4.829291	67498	12.784	Sand Hill No. 20 (D)		4.729388	53628	10.157	"			
342	XLIII	57 11 0	4.808328	64317	12.181	354	XLVI	86 40 22	4.848815	70602	13.372	" "	
	XLV	43 9 4	4.718845	52341	9.913		XLVII	31 15 40	4.564664	36700	6.951		
	Sand Hill No. 25 (D)	4.876734	75289	14.259	Sand Hill No. 20 (D)		4.795749	62481	11.834	"			
343	XLIII	39 46 14	4.618743	41566	7.872	355	XLV	48 47 13	4.588068	38732	7.336	" "	
	XLIV	62 48 39	4.761904	57797	10.946		XLVII	19 37 15	4.237770	17289	3.274		
	Sand Hill No. 28 (D)	4.802201	63416	12.011	Sand Hill No. 17 (D)		4.680099	47874	9.067	"			
344	XLIV	17 7 15	4.593339	18169	3.441	356	XLVI	36 21 55	4.588068	38732	7.336	" "	
	XLV	42 20 10	4.618743	41566	7.872		XLVII	36 40 22	4.591216	39014	7.389		
	Sand Hill No. 28 (D)	4.725547	53155	10.067	Sand Hill No. 17 (D)		4.795749	62481	11.834	"			

* Deduced base.

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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	
357	XLVI XLVII Sand Hill No. 10 (D)	42 3 22 61 58 38	4'634890 4'754751 4'795749	43141 56853 62481	8.171 10.768 11.834	Inch 24 "	369	XLVIII XLIX Rájpura House (D)	29 4 56 78 14 49	4'454068 4'758172 4'747200	28449 57302 55873	5.388 10.853 10.582	Inch 24 "
358	XLVI XLVIII Sand Hill No. 10 (D)	31 1 4 61 56 56	4'521086 4'754751 4'808440	33196 56853 64334	6.287 10.768 12.184	" "	370	XLVIII L Rájpura House (D)	26 4 4 63 50 51	4'447971 4'758172 4'805977	28052 57302 63838	5.313 10.853 12.090	" "
359	XLVI XLVII Sand Hill No. 12 (D)	67 15 15 26 51 50	4'761710 4'451887 4'795749	57771 28307 62481	10.941 5.361 11.834	" "	371	XLVIII XLIX Parhki House (D)	25 20 34 34 42 1	4'440958 4'564810 4'747200	27603 36712 55873	5.228 6.953 10.582	" "
360	XLVII XLVIII Sand Hill No. 12 (D)	27 43 44 47 47 48	4'559751 4'761710 4'878021	36287 57771 75513	6.873 10.941 14.302	" "	372	XLVIII L Parhki House (D)	29 48 26 29 42 32	4'566114 4'564810 4'805977	36823 36712 63838	6.974 6.953 12.090	" "
361	XLVI XLVIII Sand Hill No. 13 s. (D)	55 6 32 17 23 40	4'742954 4'304608 4'808440	55329 20165 64334	10.479 3.819 12.184	" "	373	XLVIII L Sand Hill No. 5 s. (D)	57 16 5 26 2 43	4'732945 4'450586 4'805977	54069 28222 63838	10.240 5.345 12.090	" "
362	XLVII XLVIII Sand Hill No. 13 s. (D)	42 39 3 69 43 41	4'742954 4'884256 4'878021	55329 76605 75513	10.479 14.508 14.302	" "	374	XLVIII L Sand Hill No. 6 (D)	69 0 9 50 59 43	4'837696 4'758010 4'805977	68817 57281 63838	13.034 10.849 12.090	" "
363	XLVII XLVIII Sand Hill No. 14 (D)	35 25 3 90 11 45	4'731025 4'967946 4'878021	53830 92885 75513	10.195 17.592 14.302	" "	375	L Sand Hill No. 5 s. Sand Hill No. 6 (D)	24 57 0 106 0 15	4'479998 4'837696 4'732945	30199 68817 54069	5.720 13.034 10.240	" 7
364	XLVIII Sand Hill No. 13 s. Sand Hill No. 14 (D)	20 28 4 75 24 58	4'288920 4'731025 4'742954	19450 53830 55329	3.684 10.195 10.479	" 7	376	XLIX L Sand Hill No. 2 (D)	26 42 49 42 44 8	4'428441 4'607305 4'747124	26819 40486 55863	5.079 7.668 10.580	24 "
365	XLVIH XLVIII Gorakhnáth Temple (D)	55 26 26 46 6 43	4'802593 4'744661 4'878021	63474 55547 75513	12.022 10.520 14.302	24 "	377	L LII Sand Hill No. 2 (D)	83 9 40 27 32 23	4'760357 4'428441 4'734473	57591 26819 54259	10.907 5.079 10.276	" "
366	XLVIII XLIX Gorakhnáth Temple (D)	20 25 2 99 16 4	4'350943 4'802593 4'747200	22436 63474 55873	4.249 12.022 10.582	" "	378	L LI Sand Hill No. 1 (D)	66 52 22 30 33 55	4'607084 4'349776 4'639799	40465 22376 43631	7.664 4.238 8.264	" "
367	XLVII XLVIII Gúga-ki-Madhí Tomb (D)	53 1 31 43 5 35	4'782995 4'715040 4'878021	60673 51885 75513	11.491 9.827 14.302	" "	379	LI LII Sand Hill No. 1 (D)	43 56 29 59 5 14	4'514933 4'607084 4'662296	32729 40465 45951	6.199 7.664 8.793	" "
368	XLVIII L Gúga-ki-Madhí Tomb (D)	78 35 10 48 55 40	4'897016 4'782995 4'805977	78889 60673 63838	14.941 11.491 12.090	" "	380	LI LII Salárpur Mound (D)	49 54 4 64 14 15	4'585659 4'650568 4'662296	38518 45349 45951	7.295 8.589 8.793	" "

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	
381	LI	14 14 11	4.219673	16583	3.141	893	LI	10 3 32	4.087075	12220	2.314	Inch 24	
	LIII	42 15 38	4.656568	45349	8.589		LIII	43 25 28	4.682088	48094	9.109		"
	Salárpur Mound (D)	4.749965	56230	10.650	Tomb No. 2 (D)		85 53 19	4.574877	37573	7.116	"		
382	LI	56 27 22	4.594187	39281	7.440	894	LIII	18 55 45	4.087075	12220	2.314	" 7	
	LII	46 23 17	4.533056	34124	6.463		Tomb No. 2 (D)	31 46 50	4.561307	36417	6.897		"
	Tomb No. 1 (D)	4.662296	45951	8.703	LI		31 31 34	4.517316	32909	6.233	"		
383	LII	20 39 52	4.359295	22872	4.332	895	LIII	31 46 50	4.520444	33147	6.278	" 24	
	LIII	37 18 26	4.594187	39281	7.440		Arniwála House (D)	97 31 57	4.717558	52187	9.884		"
	Tomb No. 1 (D)	4.739937	54946	10.406	LIII		38 41 39	4.517316	32909	6.233	"		
384	LI	53 53 11	4.672412	47034	8.908	896	Arniwála House (D)	22 19 59	4.669899	46763	8.857	" 7	
	LIII	21 5 4	4.321074	20945	3.967		LIII	20 48 49	4.640757	43728	8.282		"
	Mádho Singhána House (D)	4.749965	56230	10.650	LI		138 52 44	*4.925099	84159	15.939	"		
385	LII	58 41 6	4.672412	47034	8.908	897	Mairwála (D)	22 19 59	4.669899	46763	8.857	" 24	
	LIII	27 43 33	4.408468	25613	4.851		Mairwála (D)	10 18 48	4.669899	46763	8.857		"
	Mádho Singhána House (D)	4.739937	54946	10.406	Nitar Mosque (D)		86 23 7	4.766844	58458	11.072	"		
386	LI	61 19 18	4.741781	55180	10.451	898	LIII	23 53 15	4.375102	23719	4.492	" 24	
	LIII	55 17 45	4.713545	51707	9.793		LIII	23 53 15	4.375102	23719	4.492		"
	Ferozabad House (D)	4.749965	56230	10.650	Nitar Mosque (D)		25 57 38	4.409706	25687	4.865	"		
387	LIII	43 21 45	4.608812	40627	7.694	899	LIII	85 2 1	4.766844	58458	11.072	" "	
	LIV	68 50 20	4.741781	55180	10.451		LIV	51 49 40	4.639239	43573	8.253		"
	Ferozabad House (D)	4.738646	54783	10.376	Rániáh Temple (D)		45 44 1	4.598705	39692	7.517	"		
388	LI	58 56 28	4.691079	49100	9.299	400	LIII	51 49 40	4.639239	43573	8.253	" "	
	LIII	42 14 11	4.585775	38528	7.297		LIII	45 44 1	4.598705	39692	7.517		"
	Mauzudín House (D)	4.749965	56230	10.650	Rániáh Temple (D)		80 14 50	4.739937	54946	10.406	"		
389	LIII	56 25 19	4.693394	49362	9.349	401	LII	47 3 19	4.768399	58668	11.111	" "	
	LIV	55 57 57	4.691079	49100	9.299		LIII	78 48 35	4.794615	62318	11.803		"
	Mauzudín House (D)	4.738646	54783	10.376	LIV		41 18 52	4.622621	41939	7.943	"		
390	LI	41 50 50	4.574522	37542	7.110	402	Dhotar House (D)	119 33 12	4.776983	59839	11.333	" "	
	LIII	45 54 4	4.606510	40412	7.654		LIII	50 49 6	4.060898	11505	2.179		"
	Jaurki Mound No. 1 (D)	4.749965	56230	10.650	Dhotar House (D)		59839	4.726899	53321	10.099	"		
391	LIII	52 45 26	4.641789	43832	8.301	403	LII	78 48 35	4.794615	62318	11.803	" "	
	LIV	42 59 18	4.574522	37542	7.110		LIII	41 18 52	4.622621	41939	7.943		"
	Jaurki Mound No. 1 (D)	4.738646	54783	10.376	Gora Tibbi (D)		119 33 12	4.776983	59839	11.333	"		
392	LIII	55 53 46	4.606710	40431	7.657	404	LIV	50 49 6	4.060898	11505	2.179	" "	
	LIV	48 13 49	4.561307	36417	6.897		LVI	59839	4.726899	53321	10.099		"
	Mairwála (D)	4.675333	47351	8.968	Gora Tibbi (D)		50 49 6	4.726899	53321	10.099	"		

*Deduced base.

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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		
405	LII	69 36 54	4.651757	44849	8.494	417	LIII	25 45 13	4.323295	21052	3.987	Inch 24	
	LIV	35 15 46	4.441266	27623	5.232		LV	70 28 37	4.673093	47108	8.922		
	Nigrána Mound (D)	4.665036	46242	8.758	Krár Kot House (D)		4.675333	47351	8.968				
406	LII	55 41 53	4.542500	34874	6.605	418	LV	28 14 48	4.381054	24047	4.554	" 7	
	Gora Tibbi s.	40 52 4	4.441266	27623	5.232		Mairwála s.	24 28 38	4.323295	21052	3.987		
	Nigrána Mound (D)	4.622621	41939	7.943	Krár Kot House (D)		4.606710	40431	7.657				
407	LII	67 44 26	4.754029	56758	10.750	419	LIII	53 33 39	4.617968	41492	7.858	24	
	LIV	63 19 16	4.738775	54799	10.379		LV	59 47 28	4.649061	44572	8.442		
	Harni Mound (D)	4.665036	40242	8.758	Darbi Custom House (D)		4.675333	47351	8.968				
408	LII	53 49 25	4.655737	45262	8.572	420	LV	11 33 39	3.920036	8318	1.575	" 7	
	Gora Tibbi s.	77 45 51	4.738775	54799	10.379		Mairwála s.	91 30 56	4.617968	41492	7.858		
	Harni Mound (D)	4.622621	41939	7.943	Darbi Custom House (D)		4.606710	40431	7.657				
409	LIII	67 37 46	4.731750	53920	10.212	421	LIV	40 24 38	4.627952	42457	8.041	24	
	LIV	42 23 44	4.594547	39314	7.446		LV	64 39 0	4.772231	59188	11.210		
	Bhuj Bhangu House (D)	4.738646	54783	10.376	Sarsa Kachahri (D)		4.801023	63245	11.978				
410	LIII	64 23 57	4.606696	40429	7.657	422	LV	40 49 20	4.461945	28970	5.487	" 7	
	Mairwála s.	61 16 35	4.594547	39314	7.446		Mairwála s.	73 20 53	4.627952	42457	8.041		
	Bhuj Bhangu House (D)	4.561307	36417	6.897	Sarsa Kachahri (D)		4.606710	40431	7.657				
411	LIII	96 45 46	4.811926	64852	12.283	423	LIV	41 36 24	4.636058	43257	8.193	24	
	LIV	26 37 46	4.606016	29243	5.538		LV	62 16 1	4.705886	57661	10.921		
	Názah Dalla Kalán House (D)	4.738646	54783	10.376	Sarsa Fort (D)		4.801023	63245	11.978				
412	LIII	35 45 57	4.328117	21287	4.032	424	LV	43 12 19	4.490281	39923	5.857	" 7	
	Mairwála s. [(D)	53 24 30	4.606016	29243	5.538		Mairwála s.	73 16 21	4.636058	43257	8.193		
	Názah Dalla Kalán House (D)	4.561307	36417	6.897	Sarsa Fort (D)		4.606710	40431	7.657				
416	LIII	60 27 6	4.678225	47668	9.028	425	LIV	42 30 22	4.645025	44160	8.364	24	
	LIV	28 23 18	4.413836	26052	4.934		LV	62 6 1	4.761629	57760	10.939		
	Khairáki House (D)	4.738646	54783	10.376	Sarsa Jail (D)		4.801023	63245	11.978				
414	LIV	18 14 14	4.368398	23356	4.423	426	LV	43 22 19	4.497610	31449	5.956	" 7	
	LIV	39 41 45	4.678225	47668	9.028		Mairwála s.	74 38 23	4.645025	44160	8.364		
	Khairáki House (D)	4.801023	63245	11.978	Sarsa Jail (D)		4.606710	40431	7.657				
415	LIII	76 54 14	4.754610	56834	10.764	427	LIV	43 23 4	4.653682	45049	8.532	24	
	LIV	48 51 19	4.642878	43942	8.322		LV	61 57 50	4.762585	57887	10.964		
	Shakar Sháhwa Mound (D)	4.675333	47351	8.968	Sarsa Temple No. 1. (D)		4.801023	63245	11.978				
416	LIII	21 0 28	4.215158	16412	3.108	428	LV	43 30 30	4.504740	31970	6.055	" 7	
	Mairwála s. [(D)	106 17 28	4.642878	43942	8.322		Mairwála s.	75 57 22	4.653682	45049	8.532		
	Shakar Sháhwa Mound (D)	4.561307	36417	6.897	Sarsa Temple No. 1. (D)		4.606710	40431	7.657				

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	
429	LIV LV Sarsa Temple No. 2 (D)	43 53 57 58 10 52	4'651726 4'740024 4'801023	44846 54957 63245	8'494 10'409 11'978	Inch 24 "	LVI LVII Sohúwála Custom House	73 25 45 42 14 19	4'780126 4'626060 4'753428	60273 42273 56680	11'415 8'006 10'735	Inch 24 "	
430	LV Mairwala s. Sarsa Temple No. 2 (D)	47 17 28 73 5 56	4'53375 4'651726 4'606710	34441 44846 40431	6'523 8'494 7'657	" 7 "	LV LVI Lakarwála House (D)	35 47 9 44 10 12	4'587441 4'663567 4'813758	38676 46086 65127	7'325 8'728 12'335	" " "	
431	LIV LV Khárián House (D)	86 7 39 8 8 29	4'801237 3'953343 4'801023	63276 8981 63245	11'984 1'701 11'978	24 "	LV LVII Lakarwála House (D)	17 51 26 41 2 52	4'332845 4'663567 4'778840	21520 46086 60095	4'076 8'728 11'382	" "	
432	LV LVI Khárián House (D)	40 55 0 67 19 44	4'652376 4'801237 4'813758	44913 63276 65127	8'506 11'984 12'335	" "	LV LVI Bailla Tibbi s. (D)	84 5 20 28 15 2	4'845326 4'522803 4'813758	70037 33328 65127	13'265 6'312 12'335	" "	
433	LIV LV Bhagsar House (D)	52 42 11 30 12 6	4'705005 4'505969 4'801023	50700 32060 63245	9'602 6'072 11'978	" "	LVI LVII Bailla Tibbi s. (D)	30 23 4 96 1 22	4'551708 4'845326 4'753428	35621 70037 56680	6'746 13'265 10'735	" "	
434	LV LVI Bhagsar House (D)	18 51 23 43 41 55	4'375080 4'705005 4'813758	23718 50700 65127	4'492 9'602 12'335	" "	LV LVII Roheránwáli House (D)	44 1 56 53 26 17	4'624566 4'687373 4'778840	42128 48682 60095	7'979 9'220 11'382	" "	
435	LIV LVI Risália House	37 25 40 74 22 8	4'542846 4'742747 4'726899	34902 55303 53321	6'610 10'474 10'099	" "	LVI LVII Roheránwáli House (D)	33 14 55 14 17 3	4'624566 4'277794 4'753428	42128 18958 56680	7'979 3'591 10'735	" "	
436	LIV LVI Shekhopur House (D)	63 9 41 32 23 1	4'679438 4'457765 4'726899	47801 28692 53321	9'053 5'434 10'099	" "	LV LVII Gúdh House (D)	32 31 28 15 8 58	4'640512 4'327207 4'778840	43703 21243 60095	8'277 4'023 11'382	" "	
437	LV LVI Shekhopur House (D)	45 37 36 31 14 51	4'679438 4'540202 4'813758	47801 34690 65127	9'053 6'570 12'335	" "	LVI LVII Gúdh House (D)	49 2 50 52 34 22	4'640512 4'662311 4'753428	43703 45953 56680	8'277 8'703 10'735	" "	
438	LIV LVI Sádowáli House (D)	69 50 26 52 0 17	4'770202 4'694308 4'726899	58924 49466 53321	11'160 9'369 10'099	" "	LV LVII Thíraj Dharmśála (D)	47 2 38 34 50 29	4'647648 4'540079 4'778840	44427 34680 60095	8'414 6'568 11'382	" "	
439	LVI Gora Tibbi s. Sádowáli House (D)	42 22 35 67 40 24	4'632793 4'770292 4'776983	42933 58924 59839	8'131 11'160 11'333	" 7 "	LV Bailla Tibbi s. Thíraj Dharmśála (D)	16 35 53 89 27 53	3'995941 4'540079 4'522803	9907 34680 33328	1'876 6'568 6'312	" 7 "	
440	LIV LVI Sohúwála Custom House	51 17 57 48 50 13	4'626060 4'610433 4'726899	42273 40779 53321	8'006 7'723 10'099	24 "	LV LVII Dáu Mound (D)	65 43 34 54 39 6	4'802775 4'754479 4'778840	63500 56817 60095	12'027 10'761 11'382	24 "	

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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	
453	LV Bailla Tibbi s. Dau Mound (D)	35 16 49 111 41 34	4.547990 4.754479 4.522803	35317 50817 33328	6.689 10.761 6.312	Inch 24 7	LVI LVII LVIII Audh Custom House (D)	46 45 8 56 7 43	4.586028 4.642890 4.712591	38550 43943 51593	7.301 8.323 9.771	Inch 24 "	
454	LV LVII Dudhál Tahsil (D)	83 32 13 47 56 52	4.901513 4.774998 4.778840	79710 59566 60095	15.097 11.281 11.382	24 "	LVI LVIII Kingri House (D)	27 48 54 43 54 52	4.364112 4.536250 4.672686	23127 34376 47064	4.380 6.511 8.914	" " "	
455	LV Bailla Tibbi s. Dudhál Tahsil (D)	53 5 28 92 56 17	4.678438 4.774998 4.522803	47691 59566 33328	9.032 11.281 6.312	" 7	LVIII Sár Tibbi s. Kingri House (D)	89 53 32 60 0 30	4.420543 4.364112 4.126817	26702 23127 13391	5.057 4.380 2.536	" 7 "	
456	LV LVII Phaggu Tower (D)	34 43 13 56 42 26	4.534522 4.701117 4.778840	34239 50248 60095	6.485 9.517 11.382	24 "	LVI LVIII Kalanwáli House (D)	41 32 33 68 58 7	4.522758 4.071190 4.672686	33324 40902 47064	6.311 8.883 8.914	24 "	
457	LVII Bailla Tibbi s. Phaggu Tower (D)	28 24 24 71 19 38	4.233363 4.534522 4.551708	17193 34239 35621	3.256 6.485 6.746	" 7	LVIII LIX Kalanwáli House (D)	54 19 45 48 59 35	4.554783 4.522758 4.033177	35874 33324 42971	6.794 6.311 8.138	" "	
458	LVI LVII Sár Tibbi s. (D)	68 30 33 56 5 51	4.806696 4.757063 4.753428	64076 57156 56680	12.136 10.825 10.735	24 "	LVII Bailla Tibbi s. Mirjána House (D)	79 44 4 51 15 2	4.666821 4.565863 4.551708	46432 30801 35621	8.794 6.970 6.746	" 7 "	
459	LVI LVIII Sár Tibbi s. (D)	9 44 4 133 48 24	4.126817 4.757063 4.672686	13391 57156 47064	2.536 10.825 8.914	" "	LVII LIX Mirjána House (D)	79 56 3 44 37 48	4.712465 4.565863 4.634860	51578 36801 43138	9.769 6.970 8.170	24 "	
460	LVI LVIII Rámpura House (D)	68 57 38 36 55 20	4.659627 4.468270 4.672686	45670 29395 47064	8.650 5.567 8.914	" "	LVII LVIII Hassu House (D)	26 41 3 48 19 37	4.379941 4.600916 4.712591	23985 39895 51593	4.543 7.556 9.771	" "	
461	LVI Sár Tibbi s. Rámpura House (D)	59 13 34 30 56 59	4.691156 4.468270 4.757063	49108 29395 57156	9.301 5.567 10.825	" 7	LVII LIX Hassu House (D)	26 21 29 67 21 3	4.283134 4.600916 4.634860	19193 39895 43138	3.635 7.556 8.170	" "	
462	LVI LVII Pipli Custom House (D)	51 2 49 47 38 2	4.649222 4.626991 4.753428	44588 43363 56680	8.445 8.023 10.735	24 "	LVII LVIII Malkána Dharmśála (D)	74 3 9 46 10 17	4.759000 4.634230 4.712591	57412 43075 51593	10.873 8.158 9.771	" "	
463	LVII LIX Pipli Custom House (D)	56 40 29 63 25 7	4.619719 4.649222 4.634860	41660 44588 43138	7.890 8.445 8.170	" "	LVII LIX Malkána Dharmśála (D)	21 0 37 79 16 14	4.196422 4.634230 4.634860	15719 43075 43138	2.977 8.158 8.170	" "	
464	LVI LVIII Audh Custom House (D)	43 44 11 13 49 49	4.586028 4.124818 4.672686	38550 13330 47064	7.301 2.525 8.914	" "	LVII LVIII Kewal House (D)	87 6 20 20 13 14	4.732204 4.271376 4.712591	53976 18680 51593	10.223 3.538 9.771	" "	

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	
477	LVIII LIX Kewal House (D)	33 7 6 94 20 13	4.470937 4.732204 4.633177	29576 53976 42971	5.601 10.223 8.138	Inch 24 "	LIX LXI Talwandi Temple (D)	49 21 25 47 0 11	4.565953 4.549985 4.683155	36809 35480 48212	6.971 6.720 9.131	Inch 24 "	
478	LVIII LIX Desu Jodha House (D)	76 12 4 42 57 34	4.679316 4.525488 4.633177	47788 33534 42971	9.051 6.351 8.138	" "	LIX LX Bari Bhangi Ruldúwála	39 39 40 29 50 47	4.575276 4.467235 4.741897	37608 29325 55195	7.123 5.554 10.454	" "	
479	LIX LX Desu Jodha House (D)	30 25 53 59 58 19	4.446493 4.679316 4.741897	27957 47788 55195	5.295 9.051 10.454	" "	LX LXI Bari Bhangi Ruldúwála	25 20 6 48 59 45	4.328876 4.575276 4.681076	21324 37608 47982	4.039 7.123 9.087	" "	
480	LVIII LIX Tikhánwála House (D)	40 8 26 60 18 28	4.449772 4.579307 4.633177	28169 37958 42971	5.335 7.189 8.138	" "	LIX LXI Raman House (D)	31 17 0 5 8 49	4.624876 3.865325 4.683155	42158 7283 48212	7.984 1.379 9.131	" "	
481	LIX LXI Tikhánwála House (D)	67 52 22 34 45 34	4.660372 4.449772 4.683155	45769 28169 48212	8.668 5.335 9.131	" "	LX LXI Raman House (D)	51 45 17 64 52 55	4.624876 4.686660 4.681076	42158 48603 47982	7.984 9.205 9.087	" "	
482	LVIII LX Dabwáli Custom House	49 13 57 57 16 19	4.671899 4.717517 4.774321	46979 52182 59473	8.897 9.883 11.264	" "	LIX LXI Bági-ki-Tibbi s. (D)	52 49 10 80 8 40	4.720087 4.812315 4.683155	52491 64911 48212	9.942 12.294 9.131	" "	
483	LX Sár Tibbi s. (D) Dabwáli Custom House	47 19 59 62 17 32	4.591262 4.671899 *4.698803	39018 46979 49981	7.390 8.897 9.466	" 7	LXI LXII Bági-ki-Tibbi s. (D)	40 24 10 52 18 48	4.633390 4.720087 4.821222	42992 52491 66255	8.142 9.942 12.548	" "	
484	LVIII LX Patrála House (D)	31 57 35 78 0 28	4.524967 4.791663 4.774321	33494 61896 59473	6.344 11.723 11.264	24 "	LX LXI Jaisingwála House (D)	72 21 27 44 51 53	4.711135 4.580515 4.681076	51420 38064 47982	9.739 7.209 9.087	" "	
485	LX LXII Patrála House (D)	99 31 21 30 5 15	4.818824 4.524967 4.711568	65891 33494 51472	12.479 6.344 9.748	" "	LX LXII Jaisingwála House (D)	11 6 42 27 27 5	4.201749 4.580515 4.711568	15913 38064 51472	3.014 7.209 9.748	" "	
486	LIX LX Malwal House (D)	18 8 8 59 51 10	4.244644 4.688396 4.741897	17565 48797 55195	3.327 9.242 10.454	" "	LX LXI Bhatinda Gurúdwára (D)	53 30 56 83 27 52	4.753397 4.844299 4.681076	56545 69871 47982	10.709 13.233 9.087	" "	
487	LIX LXI Malwal House (D)	36 39 16 72 42 59	4.484428 4.688396 4.683155	30599 48797 48212	5.778 9.242 9.131	" "	LXI LXII Bhatinda Gurúdwára (D)	32 56 47 58 33 22	4.556853 4.753397 4.821222	36046 56545 66255	6.827 10.709 12.548	" "	
488	LIX LX Talwandi Temple (D)	104 8 49 28 18 39	4.860598 4.549985 4.741897	72543 35480 55195	13.739 6.720 10.454	" "	LX LXI Bhatinda Temple (D)	52 54 33 83 47 32	4.746707 4.842324 4.681076	55809 69554 47982	10.570 13.173 9.087	" "	

* Deduced base.

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

No. of triangle	Station	Corrected plane angle			No. of triangle	Station	Corrected plane angle			Theodolite used		
		°	'	"			°	'	"			
		Distance					Distance			Theodolite used		
		Log. feet	Feet	Miles			Log. feet	Feet	Miles			
501	LXI LXII Bhatinda Temple (D)	33 16 27 57 22 54	4 560542 4 746707 4 821222	36353 55809 66255	6 885 10 570 12 548	513	LXII LXIII Jasi Bāghwāli House (D)	27 4 42 50 55 22	4 400472 4 632290 4 732669	25146 42883 54034	4 763 8 122 10 234	Inch 24 "
502	LX LXI Jandāwāla s. (E)	4 19 48 149 46 15	3 918757 4 742770 4 681076	8294 55306 47982	1 571 10 475 9 087	514	LXI LXIII Jandūka House (D)	54 9 23 63 41 25	4 717826 4 761518 4 755561	52219 57745 56959	9 890 10 937 10 788	" " "
503	LXI LXIII Jandāwāla s. (E)	47 54 24 6 49 41	4 714047 3 918757 4 755561	51766 8294 56959	9 804 1 571 10 788	515	LXIII Jandāwāla s. Jandūka House (D)	56 51 44 62 1 45	4 694684 4 717826 4 714047	49599 52219 51766	9 377 9 890 9 804	" 7 "
504	LX LXII Bauri House (D)	65 28 1 36 13 55	4 679593 4 492313 4 711568	47818 31068 51472	9 056 5 884 9 748	516	LXI LXIII Fathi-ka-kot House (D)	59 17 38 33 57 50	4 690659 4 503419 4 755561	49052 31873 56959	9 290 6 037 10 788	24 " "
505	LXII Bāgi-ki-Tibbi s. Bauri House (D)	29 55 53 86 16 43	4 378578 4 679593 4 633390	23910 47818 42992	4 528 9 056 8 142	517	LXIII Jandāwāla s. Fathi-ka-kot House (D)	27 8 9 70 4 2	4 376550 4 690659 4 714047	23799 49052 51766	4 507 9 290 9 804	" 7 "
506	LX LXII Gurūka House (D)	21 24 48 20 43 21	4 447320 4 433726 4 711568	28010 27147 51472	5 305 5 142 9 748	518	LXII LXIII Sívían Mound (D)	38 3 56 45 25 56	4 525448 4 588208 4 732669	33531 38744 54034	6 351 7 338 10 234	24 " "
507	LXII Bāgi-ki-Tibbi s. Gurūka House (D)	14 25 19 23 44 14	4 238813 4 447320 4 633390	17331 28010 42992	3 282 5 305 8 142	519	LXII LXIV Sívían Mound (D)	23 52 4 35 5 47	4 435630 4 588208 4 761477	27267 38744 57740	5 164 7 338 10 936	" " "
508	LX LXII Mahāta Tower (D)	48 23 6 42 27 4	4 585297 4 540893 4 711568	38486 34745 51472	7 289 6 580 9 748	520	LXII LXIII Bihman House (D)	53 25 52 20 21 12	4 655991 4 291639 4 732669	45195 19372 54034	8 560 3 707 10 234	" " "
509	LXII LXIII Mahāta Tower (D)	58 58 5 43 57 44	4 676743 4 585297 4 732669	47505 38486 54034	8 997 7 289 10 234	521	LXIII LXIV Bihman House (D)	41 50 33 51 33 34	4 585370 4 655991 4 760422	38492 45195 57600	7 290 8 560 10 909	" " "
510	LXI LXII Bara Bhúchu House (D)	76 52 49 52 38 53	4 922506 4 834318 4 821222	83658 68284 66255	15 844 12 933 12 548	522	LXII LXIV Baluwāna House (D)	48 56 54 24 3 58	4 658286 4 391284 4 761477	45529 24020 57740	8 623 4 663 10 936	" " "
511	LXI LXIII Bara Bhúchu House (D)	25 32 3 98 59 18	4 474212 4 834318 4 755561	29800 68284 56959	5 644 12 933 10 788	523	LXIV Pisāna s. Baluwāna House (D)	25 7 2 112 37 15	4 320900 4 658286 4 520757	20936 45529 33171	3 965 8 623 6 282	" 7 "
512	LXI LXII Jasi Bāghwāli House (D)	35 31 11 28 19 41	4 632290 4 544380 4 821222	42883 35025 66255	8 122 6 634 12 548	524	LXII Pisāna s. Jhumba Tower (D)	77 29 53 24 24 48	4 641855 4 268559 4 642823	43838 18559 43936	8 393 3 515 8 321	" " "

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	
525	LXIV Pisiana s. Jhumba Tower (D)	34	20	43	4.641855	43838	8.303	Inch 24	537	LXIV LXVI Nathana Mound (D)	82	25	35	4.917110	82625	15.649	Inch 24
		120	23	3	4.826774	67031	12.605	7			62	29	18	4.868799	73926	14.001	"
					4.520757	33171	6.282							4.680429	47910	9.074	"
526	LXIII LXIV Bhokri House (D)	33	2	44	4.498593	31520	5.970	24	538	LXVI LXVII Nathana Mound (D)	60	51	42	4.862233	72817	13.791	"
		52	8	49	4.659353	45641	8.644	"			82	20	46	4.917110	82625	15.649	"
					4.760422	57600	10.909	"						4.698361	49930	9.456	"
527	LXIII LXV Bhokri House (D)	19	20	0	4.286213	19329	3.661	"	539	LXV LXVI Dalsingwala Tower (D)	13	16	29	4.104340	12716	2.408	"
		51	25	6	4.659353	45041	8.644	"			49	57	21	4.627303	42394	8.029	"
					4.741320	55121	10.440	"						4.694097	49442	9.364	"
528	LXIII LXIV Gobindpura House (D)	64	6	2	4.714794	51855	9.821	"	540	LXV LXVII Dalsingwala Tower (D)	46	16	24	4.574938	37578	7.117	"
		23	37	47	4.363717	23106	4.376	"			54	36	43	4.627303	42394	8.029	"
					4.760422	57600	10.909	"						4.708127	51065	9.671	"
529	LXIV LXV Gobindpura House (D)	37	37	16	4.516336	32835	6.219	"	541	LXV LXVI Kot Guru House (D)	95	23	18	4.808049	64276	12.173	"
		74	35	23	4.714794	51855	9.821	"			34	37	55	4.564552	36690	6.949	"
					4.697212	49798	9.431	"						4.694097	49442	9.364	"
530	LXIII LXV Mehraj House	55	22	6	4.782539	60609	11.479	"	542	LXV LXVII Kot Guru House (D)	35	50	25	4.480988	30268	5.733	"
		76	11	12	4.854487	71530	13.547	"			45	12	55	4.564552	36690	6.949	"
					4.741320	55121	10.440	"						4.708127	51065	9.671	"
531	LXIII LXV Bhokra House (D)	32	48	51	4.509921	32353	6.128	"	543	LXV LXVI Dor House (D)	52	43	24	4.600237	39832	7.544	"
		34	35	43	4.448061	28058	5.314	"			46	16	34	4.558422	36176	6.852	"
					4.697212	49798	9.431	"						4.694097	49442	9.364	"
532	LXIV LXV Bhokra House (D)	37	23	14	4.509921	32353	6.128	"	544	LXVI LXVII Dor House (D)	15	34	2	4.197117	15744	2.982	"
		31	46	31	4.448061	28058	5.314	"			42	45	48	4.600237	39832	7.544	"
					4.697212	49798	9.431	"						4.698361	49930	9.456	"
533	LXIV LXV Chandbhan House (D)	42	49	56	4.559385	36256	6.867	"	545	LXV LXVI Ghunua House (D)	72	37	18	4.674940	47309	8.960	"
		26	11	57	4.371893	23545	4.459	"			21	31	4	4.259649	18182	3.444	"
					4.697212	49798	9.431	"						4.694097	49442	9.364	"
534	LXV LXVI Chandbhan House (D)	31	31	58	4.423554	26519	5.023	"	546	LXVI LXVII Ghunua House (D)	40	19	32	4.526433	33607	6.365	"
		45	38	43	4.559385	36256	6.867	"			65	38	18	4.674940	47309	8.960	"
					4.694097	49442	9.364	"						4.698361	49930	9.456	"
535	LXIV LXVI Chainwala House (D)	21	5	49	4.296553	19795	3.749	"	547	LXV LXVII Jetu Tahsil (D)	61	42	35	4.709055	51175	9.692	"
		39	30	2	4.543831	34981	6.625	"			56	48	24	4.686933	48633	9.211	"
					4.680429	47910	9.074	"						4.708127	51065	9.671	"
536	LXIV Kotli s. Chainwala House (D)	60	10	20	4.485926	30614	5.798	"	548	LXVII LXVIII Jetu Tahsil (D)	53	7	48	4.674697	47282	8.955	"
		82	25	7	4.543831	34981	6.625	"			59	58	52	4.709055	51175	9.692	"
					4.331192	21438	4.060	"						4.735275	54359	10.295	"

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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	
549	LXVI LXVII Bargarhi House (D)	28 51 7 33 54 39	4'432942 4'495960 4'698361	27098 31330 49930	5'132 5'934 9'456	561	LXIX LXXI Bhāga Purāna Thānah (D)	60 53 4 23 26 40	4'680452 4'338849 4'736988	47913 21820 54574	9'074 4'133 10'336	Inch 24 "
550	LXVI LXVIII Bargarhi House (D)	40 32 9 43 24 0	4'471810 4'495960 4'656511	29635 31330 45343	5'613 5'934 8'588	562	LXVIII LXIX Lande House (D)	12 6 10 35 26 23	4'184869 4'626654 4'731267	15306 42331 53860	2'899 8'017 10'201	" " "
551	LXVI LXVII Dhilan House (D)	77 57 57 45 10 2	4'765776 4'620175 4'698361	58314 42284 49930	11'044 8'008 9'456	563	LXVIII LXX Lande House (D)	46 1 26 45 17 35	4'632068 4'626654 4'774844	42862 42331 59545	8'118 8'017 11'277	" " "
552	LXVII LXIX Dhilan House (D)	65 10 46 60 2 44	4'785954 4'765776 4'740212	61088 58314 54981	11'570 11'044 10'413	564	LXVIII LXIX Phalor House (D)	42 0 13 55 57 34	4'561017 4'653841 4'731267	36393 45065 53860	6'893 8'535 10'201	" " "
553	LXVII LXVIII Thatti House (D)	53 33 27 21 1 21	4'656698 4'395970 4'735275	45363 20229 54359	8'591 3'831 10'295	565	LXIX LXXI Phalor House (D)	70 49 24 38 53 12	4'738415 4'561017 4'736988	54754 36393 54574	10'370 6'893 10'336	" " "
554	LXVIII LXIX Thatti House (D)	40 2 37 56 45 10	4'542790 4'656698 4'731267	34897 45363 53860	6'609 8'591 10'201	566	LXVIII LXX Sikanwāla House	39 20 16 23 56 38	4'625896 4'432239 4'774844	42257 27054 59545	8'003 5'124 11'277	" " "
555	LXVII LXVIII Māri Tomb (D)	79 7 0 34 50 39	4'766531 4'531313 4'735275	58416 33987 54359	11'064 6'437 10'295	567	LXVIII LXX Lungtāna House (D)	40 34 33 76 38 46	4'639041 4'813920 4'774844	43555 65151 59545	8'249 12'339 11'277	" " "
556	LXVIII LXIX Māri Tomb (D)	26 13 19 86 46 19	4'412495 4'766531 4'731267	25852 58416 53860	4'896 11'064 10'201	568	LXIX LXX Lungtāna House (D)	46 42 28 20 51 48	4'639041 4'328610 4'742827	43555 21311 55313	8'249 4'036 10'476	" " "
557	LXVII LXIX Bhāi-ki-Samādh House	49 29 12 57 9 10	4'639748 4'683130 4'740212	43626 48209 54981	8'263 9'131 10'413	569	LXVIII LXX Bara Panchgrān House	42 5 42 10 22 9	4'701895 4'130834 4'774844	50338 13516 59545	9'534 2'560 11'277	" " "
558	XLVII XLIX Mulāki House (D)	39 19 51 35 55 43	4'556696 4'523219 4'740212	36033 33359 54981	6'824 6'318 10'413	570	LXIX LXX Bara Panchgrān House	60 52 21 45 24 49	4'701895 4'613211 4'742827	50338 41040 55313	9'534 7'773 10'476	" " "
559	LXVIII LXIX Mulāki House (D)	34 58 30 23 59 12	4'556696 4'407462 4'731267	36033 25554 53860	6'824 4'840 10'201	571	LXIX LXXI Moga House	33 17 47 93 11 46	4'571316 4'831091 4'736988	37266 67778 54574	7'058 12'837 10'336	" " "
560	LXVII LXIX Bhāga Purāna Thānah (D)	17 40 27 112 25 3	4'338849 4'822415 4'740212	21820 66438 54981	4'133 12'583 10'413	572	LXIX LXXI Chirak Fort	59 24 1 54 50 26	4'711950 4'689591 4'736988	51517 48932 54574	9'757 9'267 10'336	" " "

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	
573	LXIX	48 59 46	4'615999	41219	7.807	585	LXXI	60 49 38	4'700103	50131	9.494	Inch 24	
	LXXI Hariwála House (D)	43 19 37	4'573771 4'736988	37478 54574	7.098 10.336		LXXII Dagru Thánah (D)	8 58 21	3'952027 4'731443	8954 53882	1.696 10.205		"
574	LXX	36 47.34	4'615999	41219	7.807	586	LXXII	68 39 54	4'741632	55161	10.447	"	
	LXXI Hariwála House (D)	16 59 6	4'303592 4'744457	20104 55521	3.808 10.515		LXXIII Dagru Thánah (D)	57 50 9	4'700103 4'677637	50131 47603	9.494 9.016		"
575	LXX	19 30 8	4'323310	21053	3.987	587	LXXI	73 30 16	4'716984	52118	9.871	"	
	LXXI Khukrána House (D)	42 11 27	4'626879 4'744457	42353 55521	8.021 10.515		LXXII Salína House (D)	24 3 31	4'345547 4'731443	22159 53882	4.197 10.205		"
576	LXX	33 45 56	4'566723	36874	6.984	588	LXXII	53 34 44	4'654425	45126	8.547	"	
	LXXII Khukrána House (D)	39 40 13	4'626879 4'803401	42353 63592	8.021 12.044		LXXIII Salína House (D)	68 20 2	4'716984 4'677637	52118 47603	9.871 9.016		"
577	LXX	67 46 58	4'715336	51920	9.833	589	LXXI	27 11 17	4'474124	29794	5.643	"	
	LXXI Mudki Temple (D)	14 5 30	4'135292 4'744457	13655 55521	2.586 10.515		LXXIII Kot Ise Khán House	74 42 52	4'798649 4'804852	62900 63805	11.913 12.084		"
578	LXXI	56 58 9	4'703195	50489	9.562	590	LXXI	44 55 4	4'654866	45172	8.555	"	
	LXXII Mudki Temple (D)	59 33 30	4'715336 4'731443	51920 53882	9.833 10.205		LXXIII Janer House	49 15 16	4'685454 4'804852	48468 63805	9.180 12.084		"
579	LXX	45 52 15	4'602117	40005	7.577	591	LXXII	57 6 42	4'658868	45590	8.634	"	
	LXXI Talwandi House (D)	49 9 21	4'624934 4'744457	42163 55521	7.985 10.515		LXXIV Zira House (D)	29 37 14	4'428679 4'734022	26834 54203	5.082 10.266		"
580	LXXI	21 54 18	4'351133	22446	4.251	592	LXXIII	46 31 20	4'658868	45590	8.634	"	
	LXXII Talwandi House (D)	41 40 36	4'602117 4'731443	40005 53882	7.577 10.205		LXXIV Zira House (D)	20 31 39	4'343029 4'762332	22031 57854	4.172 10.957		"
581	LXX	33 2 20	4'635562	43188	8.180	593	LXXIII	40 12 22	4'577179	37773	7.154	"	
	LXXII Jhandiána Dharmśála (D)	20 21 30	4'440242 4'803401	27558 63592	5.219 12.044		LXXIV Mukhu Sarai (D)	58 24 22	4'697585 4'762332	49841 57854	9.440 10.957		"
582	LXXI	53 15 8	4'635562	43188	8.180	594	LXXIII	16 3 0	4'214521	16388	3.104	"	
	LXXII Jhandiána Dharmśála (D)	35 18 48	4'493543 4'731443	31156 53882	5.901 10.205		LXXV Mukhu Sarai (D)	57 13 50	4'697585 4'754105	49841 56768	9.440 10.752		"
583	LXXI	36 23 50	4'596053	39451	7.472	595	LXXIII	39 26 2	4'585535	38507	7.293	"	
	LXXII Sada Sing Fort (D)	17 44 31	4'306637 4'731443	20260 53882	3.837 10.205		LXXV Fathigarh House No. 1	30 1 31	4'481935 4'754105	30334 56768	5.745 10.752		"
584	LXXII	59 53 44	4'643735	44029	8.339	596	LXXV	61 12 56	4'744311	55502	10.512	"	
	LXXIII Sada Sing Fort (D)	50 49 10	4'596053 4'677637	39451 47603	7.472 9.016		LXXVII Sultánpur E. Minaret	57 56 17	4'729717 4'742762	53068 55305	10.164 10.474		"

No.	Station	Distance			Corrected plane angle	No. of triangle	Station	Corrected plane angle	Distance			Theodolite used
		Log. feet	Feet	Miles					Log. feet	Feet	Miles	
597	LXXV LXXVII Sultápur W. Minaret	4.744002 4.729312 4.742762	55463 53618 55305	10.504 10.155 10.474	61 11 49 57 54 6	LXXIX LXXXI Tarn Táran Minaret (D)	86 32 13 32 9 25	4.784337 4.511238 4.728228	60861 32452 53484	11.527 6.146 10.130	Inch 24 "	
598	LXXVI LXXVII Naushera House (D)	4.496533 4.623171 4.677000	31371 41992 47534	5.942 7.953 9.003	40 25 59 60 14 34	LXXIX LXXX Buudála Temple (D)	29 10 14 48 28 59	4.395190 4.581638 4.697133	24842 38163 49789	4.705 7.228 9.430	" " "	
599	LXXVI LXXVIII Naushera House (D)	4.352909 4.623171 4.699963	22538 41992 50114	4.268 7.953 9.491	26 29 35 56 13 5	LXXIX LXXXI Buudála Temple (D)	30 3 10 43 3 34	4.447034 4.581638 4.728228	27992 38163 53484	5.302 7.228 10.130	" " "	
600	LXXVI LXXVIII Patti Khás House	4.538647 4.349990 4.699963	34566 22387 50114	6.547 4.240 9.491	35 53 19 22 18 46	LXXIX LXXX Jandiála Gurúwára (D)	51 34 30 58 57 21	4.619628 4.658497 4.697133	41651 45551 49789	7.889 8.627 9.430	" " "	
601	LXXVI LXXVIII Sarháli House (D)	4.554461 4.308643 4.699963	35848 20354 50114	6.789 3.855 9.491	36 27 46 19 43 14	LXXIX LXXXI Jandiála Gurúwára (D)	7 38 54 36 1 4	4.013246 4.658497 4.728228	10310 45551 53484	1.953 8.627 10.130	" " "	
602	LXXVII LXXVIII Sarháli House (D)	4.554461 4.501269 4.731477	35848 31715 53886	6.789 6.007 10.206	39 50 21 34 31 35	LXXIX LXXXI Akalgada House	17 0 23 19 40 55	4.418011 4.479288 4.728228	26183 30150 53484	4.959 5.710 10.130	" " "	
603	LXXVII LXXVIII Kot Muhammad Khán	4.615340 4.371007 4.731477	41242 23497 53886	7.811 4.450 10.206	46 7 52 24 15 3	LXXX LXXXI Duburji Tower (D)	40 39 0 37 16 22	4.532271 4.500592 4.708678	34062 31666 51130	6.451 5.997 9.684	" " "	
604	LXXVIII LXXXIX Kot Muhammad Khán	4.465232 4.615340 4.696513	29190 41242 49718	5.528 7.811 9.416	35 55 43 56 0 5	LXXX LXXXII Duburji Tower (D)	21 29 20 30 51 34	4.354393 4.500592 4.689114	22615 31666 48878	4.283 5.997 9.257	" " "	
605	LXXVII LXXXIX Khoáspur House	4.453965 4.590369 4.716567	28442 39479 52067	5.387 7.477 9.861	32 40 20 48 31 51	LXXXI LXXXII Amritsar BírBhán's Temple	14 38 36 93 29 12	4.137947 4.734363 4.713052	13739 54245 51648	2.602 10.274 9.782	" " "	
606	LXXVIII LXXXIX Taru Táran Gurúwára Temple	4.508723 4.599371 4.696513	32264 32313 49718	6.111 6.120 9.416	39 37 10 39 41 25	LXXXI LXXXIII Amritsar BírBhán's Temple	75 44 40 54 42 13	4.808997 4.734363 4.703962	64416 54245 50578	12.200 10.274 9.579	" " "	
607	LXXX LXXX Taru Táran Gurúwára Temple	4.420392 4.508723 4.697133	26326 32264 49789	4.986 6.111 9.430	28 22 26 35 37 13	LXXXI LXXXII Fathipur House No. 2 (D)	23 27 4 20 16 37	4.473272 4.413202 4.713052	29735 25894 51648	5.632 4.904 9.782	" " "	
608	LXXVIII LXXXIX Tarn Táran Minaret (D)	4.511238 4.516800 4.696513	32452 32870 49718	6.146 6.225 9.416	40 7 30 40 45 1	LXXXI LXXXIII Fathipur House No. 2 (D)	37 39 0 27 44 24	4.531245 4.413202 4.703962	33982 25894 50578	6.436 4.904 9.579	" " "	

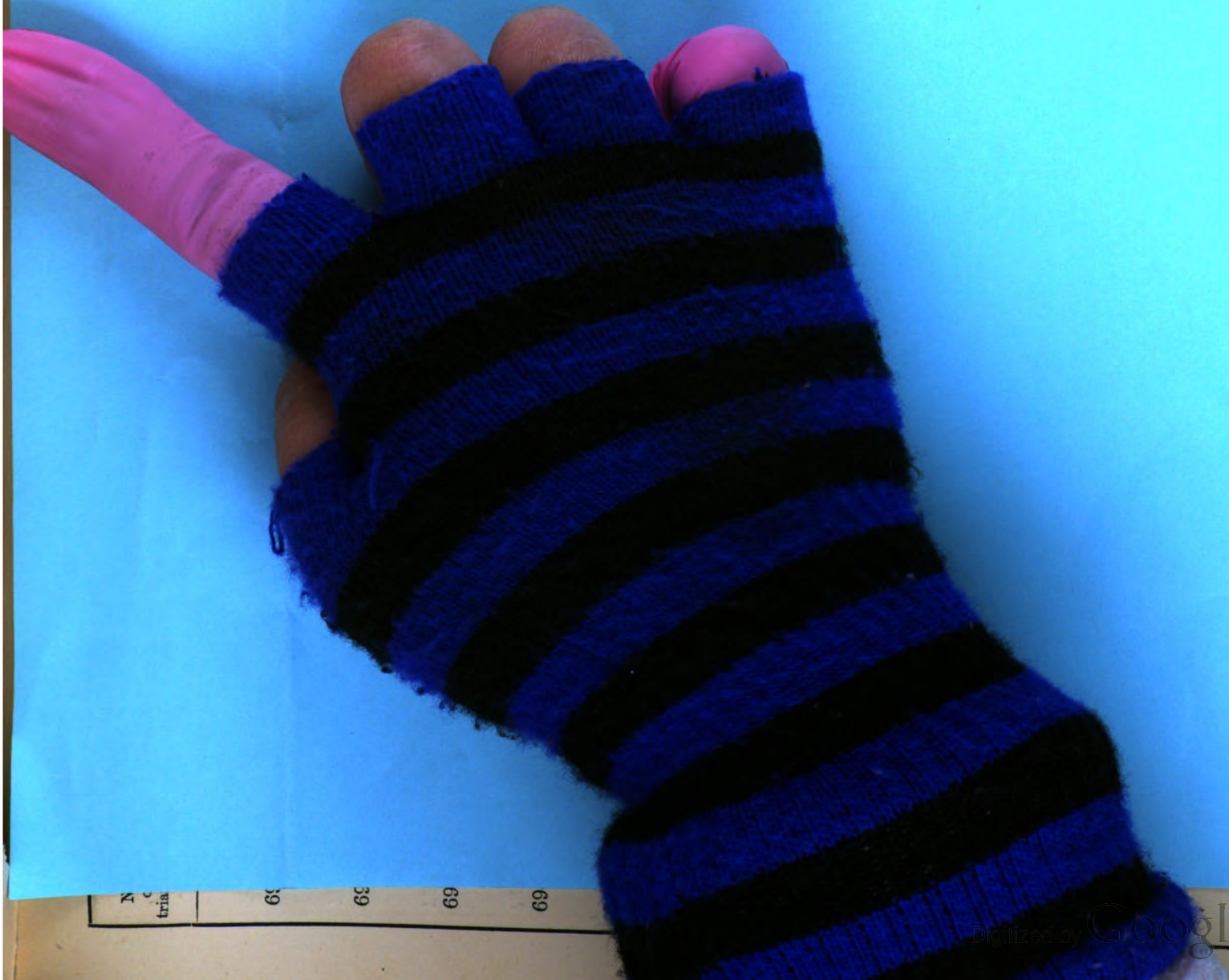
No. of triangle	Station	Corrected plane angle ° ' "	Distance			Theodolite used	No. of triangle	Station	Corrected plane angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
621	LXXXI	37 12 15	4.508273	32231	6.104	Inch	LXXXII	156 21 46	4.824782	66801	12.652	Inch	
	LXXXII	38 28 26	4.520065	33164	6.281	"	LXXXIII	5 27 43	4.200265	15859	3.004	"	
	Makhan-Vindi Fort (D)		4.713052	51648	9.782	"	Amritsar Gurúdwára		4.715748	51969	9.843	"	
622	LXXXI	23 53 49	4.385733	24307	4.604	"	LXXXII	159 15 57	4.829976	67605	12.804	"	
	LXXXII	33 33 8	4.520065	33164	6.281	"	LXXXIII	4 56 30	4.216145	16449	3.115	"	
	Makhan-Vindi Fort (D)		4.703962	50378	9.579	"	Amritsar Haveli		4.715748	51969	9.843	"	
623	LXXXI	46 29 32	4.587933	38720	7.333	"	LXXXII	41 15 20	4.535197	34371	6.540	"	
	LXXXII	58 10 5	4.656641	45357	8.590	"	LXXXIII	53 9 9	4.620252	41711	7.000	"	
	Jagatpur House (D)		4.713052	51648	9.782	"	Majitha House		4.715748	51969	9.843	"	
624	LXXXI	14 36 32	4.122257	13251	2.510	"	LXXXII	70 56 28	4.750648	56318	10.666	"	
	LXXXII	59 41 21	4.656641	45357	8.590	"	LXXXIII	35 13 46	4.535197	34371	6.510	"	
	Jagatpur House (D)		4.703962	50378	9.579	"	Majitha House		4.757601	57227	10.838	"	
625	LXXXI	78 25 39	4.826196	67019	12.693	"	LXXXII	57 37 27	4.718397	52287	9.903	"	
	LXXXII	53 53 49	4.742504	55272	10.468	"	LXXXIII	55 47 0	4.709232	51195	9.696	"	
	Amritsar Bába Atal Minaret		4.703962	50378	9.579	"	LXXXIV		4.754472	56816	10.761	"	
626	LXXXIII	66 41 39	4.836353	68605	12.993	"	LXXXIII	6 20 37	4.929439	85004	16.099	"	
	LXXXIV	63 47 21	4.826196	67019	12.693	"	LXXXV	41 43 2	4.709232	51195	9.696	"	
	Amritsar Bába Atal Minaret		4.754472	56816	10.761	"	Ghania House		4.757601	57227	10.838	"	
627	LXXXI	77 35 10	4.832118	67939	12.867	"	LXXXIII	19 57 10	4.309093	20375	3.859	"	
	LXXXII	55 46 25	4.759805	57518	10.894	"	LXXXV	53 28 31	4.681066	47981	9.087	"	
	Amritsar Teja Sing's Temple		4.703962	50378	9.579	"	Man House		4.757601	57227	10.838	"	
628	LXXXIII	64 49 3	4.829428	67519	12.788	"	LXXXIII	47 32 59	4.656813	45375	8.594	"	
	LXXXIV	65 35 8	4.832118	67939	12.867	"	LXXXV	63 55 17	4.742206	55234	10.461	"	
	Amritsar Teja Sing's Temple		4.754472	56816	10.761	"	Batála Temple		4.757601	57227	10.838	"	
629	LXXXI	77 32 39	4.822256	66413	12.578	"	LXXXIII	47 53 56	4.663450	46073	8.726	"	
	LXXXII	54 24 49	4.742819	55312	10.476	"	LXXXV	64 56 34	4.750141	56252	10.654	"	
	Amritsar Rámgarh Minaret		4.703962	50378	9.579	"	Batála House		4.757601	57227	10.838	"	
630	LXXXIII	66 10 39	4.830938	67754	12.832	"	LXXXIV	55 40 41	4.722069	52731	9.987	"	
	LXXXIV	63 43 37	4.822256	66413	12.578	"	LXXXV	15 25 32	4.230009	16983	3.216	"	
	Amritsar Rámgarh Minaret		4.754472	56816	10.761	"	Mohan Bandára Fort (D)		4.781090	60407	11.441	"	
631	LXXXI	77 24 35	4.821425	66286	12.554	"	LXXXV	41 40 16	4.593663	39234	7.431	"	
	LXXXII	54 27 33	4.742461	55266	10.467	"	LXXXVI	63 19 35	4.722069	52731	9.987	"	
	Amritsar Bunga Minaret		4.703962	50378	9.579	"	Mohan Bandára Fort (D)		4.755886	57001	10.796	"	
632	LXXXIII	66 7 55	4.830156	67633	12.809	"	LXXXIV	28 2 5	4.586846	38623	7.315	"	
	LXXXIV	63 40 23	4.821425	66286	12.554	"	LXXXV	19 16 52	4.433524	27135	5.139	"	
	Amritsar Bunga Minaret		4.754472	56816	10.761	"	Fathigarh House No.2 (D)		4.781090	60407	11.441	"	

PRINCIPAL AUXILIARY STATIONS AND INTERSECTED POINTS.

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	
645	LXXXV LXXXVI Fathigarh House No. 2	37 48 56 41 47 43	4 550611 4 586846 4 755886	35531 38623 57001	6 729 7 315 10 796	657	LXXXIX XC Kanjur House (D)	64 47 5 27 34 46	4 685669 4 394719 4 728788	48492 24815 53554	9 184 4 700 10 143	Inch 24 "
646	LXXXIV LXXXVI Chitorgarh Fort (D)	38 38 52 28 55 33	4 579361 4 468362 4 749653	37963 29401 56189	7 190 5 568 10 642	658	LXXXIX XC Sankhatra House (D)	17 37 46 67 30 48	4 211592 4 696008 4 728788	16278 49660 53554	3 083 9 405 10 143	" " "
647	LXXXV LXXXVI Chitorgarh Fort (D)	40 12 45 35 34 41	4 579361 4 534163 4 755886	37963 34211 57001	7 190 6 479 10 796	659	LXXXIX XCI Sankhatra House (D)	81 39 16 48 52 42	4 814408 4 696008 4 699864	65224 49660 50103	12 353 9 405 9 489	" " "
648	LXXXV LXXXVI Dihampur House (D)	51 38 16 16 3 6	4 684052 4 231380 4 755886	48312 17036 57001	9 150 3 227 10 796	660	LXXXIX XC Ghigian Mound (D)	28 23 17 43 14 17	4 428610 4 587223 4 728788	26829 38657 53554	5 081 7 321 10 143	" " "
649	LXXXVI LXXXVII Dihampur House (D)	40 16 15 55 18 59	4 579520 4 684052 4 766950	37977 48312 58472	7 193 9 150 11 074	661	LXXXIX XCI Ghigian Mound (D)	35 38 13 50 19 11	4 466352 4 587223 4 699864	29265 38657 50103	5 543 7 321 9 489	" " "
650	LXXXV LXXXVII Kalapur House (D)	19 47 42 80 33 7	4 273385 4 737995 4 736506	18767 54663 54514	3 554 10 353 10 325	662	LXXXIX XCI Majra Mound	22 1 21 18 11 46	4 463827 4 384360 4 699864	29096 24230 50103	5 511 4 589 9 489	" " "
651	LXXXVII LXXXIX Kalapur House (D)	110 28 55 15 48 23	4 809836 4 273385 4 744559	64541 18767 55534	12 224 3 554 10 518	663	LXXXIX XCI Shakargarh Mound	31 52 53 56 46 43	4 422751 4 622480 4 699864	26470 41926 50103	5 013 7 940 9 489	" " "
652	LXXXVI LXXXVII Shalpur House	20 28 32 17 16 17	4 523903 4 452681 4 766950	33412 28358 58472	6 328 5 371 11 074	664	XC XCII Zafarwal House	22 21 18 24 57 18	4 433384 4 478423 4 719514	27126 30090 54222	5 137 5 699 9 928	" " "
653	LXXXVI LXXXVII Dera Baba Nanak House	14 19 28 32 23 23	4 298274 4 633754 4 766950	19873 43028 58472	3 764 8 149 11 074	665	XCII XCIII Ghamraula Temple	31 30 8 15 51 22	4 593747 4 312150 4 742278	39242 20519 55243	7 432 3 886 10 463	" " "
654	LXXXVI LXXXVIII Dera Baba Nanak House	51 32 57 51 39 56	4 633955 4 633754 4 727560	42959 43028 53402	8 136 8 149 10 114	666	XCII XXVII Parel	74 37 49 14 50 31	4 916598 4 340915 4 932396	82527 21924 85585	15 630 4 152 16 209	" " "
655	LXXXVI LXXXVIII Ratar-Chatar Khangah	40 5 13 31 8 18	4 560157 4 464885 4 727560	36321 29167 53402	6 879 5 524 10 114	667	XCIV XCV Siakot Shiwala	36 47 12 63 56 47	4 619263 4 795416 4 834289	41616 62433 68279	7 882 11 824 12 932	" " "
656	LXXXVIII XC Kanjur House (D)	53 58 21 29 36 0	4 685669 4 471539 4 775125	48492 29017 59583	9 184 5 609 11 285	668	XCIV XCV Siakot R. C. Chapel	24 42 2 61 48 24	4 456144 4 780249 4 834289	28585 60291 68279	5 414 11 419 12 932	" " "

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	
669	XCIV [(D)]	27 29 52	4'508592	32255	6'109	Inch 24	Nágaur s.	54 53 10	4'889713	77573	14'692	Inch 12	
	XCV	74 42 27	4'828562	67385	12'762		Chúli "	76 13 29	4'964279	92104	17'444		
	Siáikot Chapel of Ease		4'834289	68279	12'932		Mága Bháti "	48 53 21	4'854002	71450	13'532		
670	XCIV [(D)]	108 44° 8	5'191607	155456	29'442	"	Chúli s.	72 6 18	4'906196	80574	15'260	"	
	XXVII [(D)]	24 14 10	4'828562	67385	12'762		Mága Bháti "	41 31 16	4'749177	56128	10'630		
	Siáikot Chapel of Ease		5'079579	120110	22'748		Uchlanga "	66 22 26	4'889713	77573	14'692		
671	XCIV [(D)]	25 32 14	4'468998	29444	5'577	"	Mága Bháti s.	51 36 37	4'819614	66011	12'502	"	
	XCV	65 52 52	4'794750	62338	11'806		Uchlanga "	55 18 21	4'840384	69244	13'114		
	Siáikot Church		4'834289	68279	12'932		Samra Thal "	73 5 2	4'906196	80574	15'260		
672	XCIV [(D)]	106 46 30	5'177384	150447	28'494	"	Uchlanga s.	73 13 41	4'929781	85071	16'112	"	
	XXVII [(D)]	23 22 23	4'794750	62338	11'806		Samra Thal "	58 47 22	4'880762	75991	14'392		
	Siáikot Church		5'079579	120110	22'748		Pilwa "	47 58 57	4'819614	66011	12'502		
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673	XXVIII	33 10 50	4'921408	83447	15'804	12	Hethiári s.	50 55 17	4'746817	55823	10'573	"	
	XXIX	83 21 41	5'180278	151453	28'684		Tákhra "	37 46 8	4'643888	44044	8'342		
	Kátòh		5'134832	136405	25'834		Sarsola "	91 18 35	4'856684	71893	13'616		
674	XXIX	74 24 32	5'186880	153773	29'124	"	Sarsola s.	80 17 36	4'830071	67619	12'80	"	
	Kátòh	74 4 41	5'186173	153523	29'076		Tákhra "	45 14 39	4'687662	48715	9'2		
	Múndwa		4'921408	83447	15'804		Dholuo "	54 27 45	4'746817	55823	10'7		
675	Kátòh	20 59 27	4'742135	55225	10'459	"	Tákhra s.	73 35 49	4'879710	75807	15'573	"	
	Múndwa	64 55 13	5'144980	139631	26'445		Dholuo "	47 34 2	4'765853	58324	12'80		
	Gugwána		5'186880	153773	29'124		Bándi "	58 50 9	4'830071	67619	14'357		
676	Gugwána	77 42 3	4'808363	64322	12'182	"	Dholuo s.	45 13 53	4'818840	67619	12'807	"	
	Múndwa	45 16 46	4'670040	46778	8'859		Bándi "	80 0 26	4'960071	67619	11'046		
	Nágaur		4'742135	55225	10'459		Káli Thal "	54 45 41	4'879710	65894	12'480		
677	Múndwa	43 59 19	4'834253	68274	12'931	"	Bándi s.	54 44 33	4'879710	75807	17'312	"	
	Nágaur	95 8 35	4'990819	97908	18'543		Káli Thal "	73 26 56	4'834850	68368	12'948		
	Khuráli		4'808363	64322	12'182		Lakháriwála "	51 54 31	4'904255	80215	15'192		
678	Khuráli	60 11 44	4'854002	71450	12'502	"	Káli Thal s.	53 20 15	4'785530	61028	11'558	"	
	Nágaur	62 47 34	4'866304	73074	13'312		Lakháriwála "	62 40 58	4'829912	67595	12'802		
	Chúli		4'834253	68274	12'931		Hemánia "	63 58 47	4'834850	68368	12'948		

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SECONDARY STATIONS AND INTERSECTED POINTS.

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	
691	Lakhariwala s. Hemania " Gopalpura h.s.	65 12 19 63 26 18 51 21 23	4:850851 4:844411 4:785530	70933 69889 61028	13:434 13:237 11:558	Inch 12 "	Hethiari s. Sarsola " Charia (D)	37 45 5 95 20 28 46 54 27	4:567334 4:778525 4:643888	36926 60052 44044	6:994 11:373 8:342	Inch 12 "	
692	Hemania s. Gopalpura h.s. Randsir "	56 17 27 67 26 4 56 16 29	4:850933 4:896289 4:850851	70947 78757 70933	13:437 14:916 13:434	"	Sarsola s. Dholuo " Charia (D)	93 3 21 36 2 13 50 54 26	4:797111 4:567334 4:687662	62677 36926 48715	11:871 6:994 9:226	"	
693	Gopalpura h.s. Randsir " XXXIII	69 16 32 57 20 36 53 22 52	4:917370 4:871693 4:850933	82674 74421 70947	15:658 14:095 13:437	"	Pilwa s. Hethiari " Bikaner Temple (D)	40 56 25 95 4 2	4:953107 5:134985 4:978398	89765 136454 95148	17:001 25:843 18:020	"	
694	Randsir h.s. XXXIII XXXV	103 20 49 41 49 51 34 49 20	5:148818 4:984792 4:917370	140870 96559 82674	26:680 18:288 15:658	"	Hethiari s. Charia " Bikaner Temple (D)	72 47 17 68 39 57	4:964039 4:953107 4:778525	92053 89765 60052	17:434 17:001 11:373	"	
695	Mundwa h.s. Khuráli s. Mundwa House (D)	32 20 35 2 32 44	4:961779 3:880953 4:990819	91575 7602 97908	17:344 1:440 18:543	"	Hethiari s. Sarsola " Bikaner Bastion (E)	62 10 36 76 8 15	4:908489 4:949007 4:784697	81001 88922 60911	15:341 16:841 11:536	"	
696	Nagaur s. Khuráli " Mundwa House (D)	93 35 51 38 19 22	4:961779 4:755091 4:834253	91575 56897 68274	17:344 10:776 12:931	"	Hethiari s. Modia " Bikaner Bastion (E)	105 10 21 51 53 24	5:037719 4:949007 4:784697	109073 88922 60911	20:658 16:841 11:536	"	
697	Khuráli s. Chúli " Nagaur Minaret No.1 (D)	60 12 0 57 8 49	4:858381 4:844291 4:868509	72174 69870 73877	13:669 13:233 13:992	"	Hethiari s. Sarsola " Bikaner Flag Staff (E)	105 1 30 52 2 48	5:038185 4:950100 4:643888	109190 89146 44044	20:680 16:884 8:342	"	
698	Chúli s. Maga Bháti " Nagaur Minaret No.1 (D)	75 5 23 49 46 9	4:960726 4:858381 4:889713	91354 72174 77573	17:302 13:669 14:692	"	Hethiari s. Modia " Bikaner Flag Staff (E)	62 1 45 76 21 50	4:908570 4:950100 4:784697	81016 89146 60911	15:344 16:884 11:536	"	
699	Khuráli s. Chúli " Nagaur Minaret No.2 (D)	60 16 22 57 6 37	4:858838 4:844253 4:868509	72250 69864 73877	13:684 13:232 13:992	"	Hethiari s. Modia " Bikaner (D)	66 31 59 72 42 46 40 45 15	4:932413 4:949831 4:784697	85588 89090 60911	16:210 16:873 11:536	"	
700	Chúli s. Maga Bháti " Nagaur Minaret No.2 (D)	75 7 35 49 47 30	4:961113 4:858838 4:889713	91435 72250 77573	17:317 13:684 14:692	"	Hethiari s. Charia " Bikaner (D)	71 46 39 69 10 19 39 3 2	4:956836 4:949831 4:778525	90539 89090 60052	17:148 16:873 11:373	"	
701	Hethiari s. Sarsola " Modia (D)	42 59 45 90 41 55 46 18 20	4:618479 4:784697 4:643888	41541 60911 44044	7:868 11:536 8:342	"	Hethiari s. Modia " Bikaner Dome No.1 (D)	62 14 4 76 21 21	4:911082 4:951774 4:784697	81486 89490 60911	15:433 16:949 11:536	"	
702	Sarsola s. Dholuo " Modia (D)	97 41 54 37 10 39 45 7 27	4:833305 4:618479 4:687662	68125 41541 48715	12:902 7:868 9:226	"	Hethiari s. Charia " Bikaner Dome No.1 (D)	67 28 44 72 40 57	4:937469 4:951774 4:778525	86590 89490 60052	16:400 16:949 11:373	"	

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	
715	Hethiári s. Modia " (D) Bikáner Dome No. 2 (D)	62 12 46 76 23 19	4·911091 4·951930 4·784697	81487 89522 60911	15·433 16·955 11·536	Inch 12 "	Hemánia s. Rándisir h.s. Bídásir House (D)	56 53 42 23 44 56	4·825179 4·507118 4·896289	66862 32145 78757	12·663 6·088 14·916	Inch 12 "	
716	Hethiári s. Chária " (D) Bikáner Dome No. 2 (D)	67 27 26 72 42 48	4·937484 4·951930 4·778525	86593 89522 60052	16·400 16·955 11·373	" "	Gopálpura h.s. Rándisir " (D) Bídásir House (D)	67 56 6 32 31 33	4·825179 4·588736 4·850933	66862 38791 70947	12·663 7·347 13·437	" "	
717	Tákhra s. Bándi " (D) Salúnd Flag (D)	38 29 42 92 34 7	4·682595 4·888056 4·755853	48150 77278 58325	9·119 14·636 11·046	" "	Hemánia s. Rándisir h.s. (D) Gopálpura Hill Temple	56 15 54 56 17 28	4·850772 4·850905 4·896289	70921 70942 78757	13·432 13·436 14·916	" "	
718	Bándi s. Káli Thal " (D) Salúnd Flag (D)	46 16 28 46 51 17	4·678430 4·682595 4·818849	47690 48150 65894	9·032 9·119 12·480	" "	Rándisir h.s. XXXIII (D) Gopálpura Hill Temple	57 19 37 53 22 4	4·871528 4·850772 4·917370	74392 70921 82674	14·089 13·432 15·658	" "	
719	Bándi s. Káli Thal " (D) Churlo Hill Peak (D)	62 22 12 85 26 30	5·039778 5·090987 4·818849	109592 123307 65894	20·756 23·354 12·480	" "	Hemánia s. Rándisir h.s. (D) Dúngrás Mátá's Temple	64 26 14 53 55 50	4·907109 4·859423 4·896289	80744 72347 78757	15·292 13·702 14·916	" "	
720	Káli Thal s. Lakhárivála " (D) Churlo Hill Peak (D)	12 5 34 149 22 52	4·653957 5·039778 4·834850	45077 109592 68368	8·537 20·756 12·948	" "	Rándisir h.s. XXXIII (D) Dúngrás Mátá's Temple	59 41 15 58 58 36	4·910304 4·907109 4·917370	81340 80744 82674	15·405 15·292 15·658	" "	
721	Lakhárivála s. Hemánia " (D) Dúngrás Ganesi's Temple	71 34 20 55 17 15	4·859521 4·797264 4·785530	72364 62700 61028	13·705 11·875 11·558	" "	Gopálpura h.s. Rándisir " (D) Sujángarh s. (D)	78 54 52 73 9 37	4·861787 4·540509 4·850933	72742 34714 70947	13·777 6·575 13·437	" "	
722	Hemánia s. Rándisir h.s. (D) Dúngrás Ganesi's Temple	64 26 30 53 56 20	4·907177 4·859521 4·896289	80756 72364 78757	15·295 13·705 14·916	" "	Rándisir h.s. XXXIII (D) Sujángarh s. (D)	61 36 33 88 58 22	4·608679 4·861787 4·917370	40614 72742 82674	7·692 13·777 15·658	" "	
723	Lakhárivála s. Gopálpura h.s. (D) Jíli Hill Temple (D)	58 0 12 55 46 52	4·811393 4·800408 4·844411	64773 63155 69889	12·268 11·961 13·237	" "	Gopálpura h.s. XXXIII (D) Ládno House (D)	61 42 58 29 15 7	4·816539 4·560754 4·871693	65545 36371 74421	12·414 6·888 14·095	" "	
724	Gopálpura h.s. XXXIII (D) Jíli Hill Temple (D)	116 9 9 29 27 4	5·072804 4·811393 4·871693	118251 64773 74421	22·396 12·268 14·095	" "	Gopálpura h.s. Sujángarh s. (D) Ládno House (D)	52 4 38 66 41 32	4·494715 4·560754 4·540509	31240 36371 34714	5·917 6·888 6·575	" "	
725	Hemánia s. Gopálpura h.s. Rándisir Hill Temple (D)	56 18 17 67 25 12	4·851000 4·896241 4·850851	70958 78748 70933	13·439 14·914 13·434	" "	Rándisir h.s. XXXV Ratangarh Fort	27 18 42 49 40 18	4·657750 4·878251 4·984792	45473 75553 96559	8·612 14·309 18·288	" "	
726	Gopálpura h.s. XXXIII (D) Rándisir Hill Temple (D)	69 17 24 53 22 51	4·917481 4·851000 4·871693	82695 70958 74421	15·662 13·439 14·095	" "							

SECONDARY STATIONS AND INTERSECTED POINTS.

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	
BANDALIA-RAMTHAL TO RAMGARH-BANKA													
SECONDARY SERIES.													
		° ' "	Log. feet	Feet	Miles	Inch		° ' "	Log. feet	Feet	Miles	Inch	
738	XXXIX XLI Pipábhár	53 39 16 51 43 48 74 36 56	4.770220 4.759103 4.848330	58914 57125 70523	11.158 10.876 13.357	7	Kanjan Deogarh Anúpsahar	57 53 34 75 43 51 46 22 35	4.747897 4.806376 4.679657	55963 64029 47825	10.599 12.127 9.058	7	
739	Pipábhár XLI Unchal	60 33 30 59 38 33 59 47 57	4.773518 4.769527 4.770220	59363 58820 58914	11.243 11.140 11.158	"	Kanjan Rámsira Anúpsahar	58 51 3 60 47 54 60 21 3	4.797791 4.806376 4.804462	62776 64029 63747	11.889 12.127 12.073	"	
740	XLI Unchal Thoria	58 23 27 57 57 10 63 39 23	4.751396 4.749335 4.773518	56415 56148 59363	10.685 10.634 11.243	"	Deogarh Anúpsahar Salámi Tibba	49 28 52 79 35 22 49 28 52	4.738751 4.850619 4.7747897	54796 70896 55963	10.378 13.427 10.599	"	
741	Pipábhár Unchal Sonábhár	63 5 46 55 45 48 61 8 26	4.777370 4.744477 4.769527	59892 55524 58820	11.343 10.516 11.140	"	Rámsira Anúpsahar Saundu	52 31 29 57 37 3 69 51 28	4.724810 4.751795 4.797791	53065 56467 62776	10.050 10.695 11.889	"	
742	Sonábhár Unchal Morábhár	62 4 47 58 9 5 59 46 8	4.787111 4.769991 4.777370	61251 58883 59892	11.601 11.152 11.343	"	Anúpsahar Salámi Tibba Chúrúwála	54 7 53 65 56 1 59 56 6	4.710185 4.762011 4.738751	51308 57811 54796	9.717 10.949 10.378	"	
743	Unchal Thoria Kanjan	73 9 2 67 38 47 39 12 11	4.931574 4.916703 4.751396	85423 82547 56415	16.179 15.634 10.685	"	Anúpsahar Saundu Chúrúwála	61 56 4 63 6 46 54 57 10	4.757367 4.762011 4.724810	57196 57811 53065	10.833 10.949 10.050	"	
744	Unchal Morábhár Kanjan	55 10 58 78 13 52 46 35 10	4.840262 4.916703 4.787111	69225 82547 61251	13.111 15.634 11.601	"	Salámi Tibba Chúrúwála Gandi	41 0 30 86 13 7 52 46 23	4.626154 4.808192 4.710185	42282 64297 51308	8.008 12.177 9.717	"	
745	Thoria Kanjan Deogarh	33 23 32 67 10 34 79 25 54	4.679657 4.903594 4.931574	47825 80093 85423	9.058 15.169 16.179	"	Chúrúwála Gandi Sauwála	62 28 24 62 53 11 54 38 25	4.662535 4.664152 4.626154	45976 46148 42282	8.708 8.740 8.008	"	
746	Morábhár Kanjan Kiháli	55 8 39 43 56 4 80 55 17	4.759864 4.680993 4.840262	57526 48640 69225	10.895 9.212 13.111	"	Sauwála Gandi Sháhpuria	51 54 12 63 53 55 64 11 53	4.604104 4.661430 4.662535	40189 45860 45976	7.612 8.686 8.708	"	
747	Kiháli Kanjan Rámsira	73 39 15 46 21 24 59 59 21	4.804462 4.681909 4.759864	63747 48074 57526	12.073 9.105 10.895	"	Sháhpuria Gandi Házira	77 9 20 36 46 39 66 4 1	4.632143 4.420364 4.604104	42869 26325 40189	8.119 4.986 7.612	"	
	Kiháli Kanjan Rámsira	77 5 18 43 18 18 59 36 24	4.769122 4.616493 4.716039	58765 41352 52004	11.130 7.832 9.849	"	Gandi Házira XLI LI	71 12 6 57 30 16 51 17 38	4.716039 4.665897 4.632143	52004 46334 42869	9.849 8.775 8.119	"	

No. of triangle	Station	Corrected plane angle ° ' "	Distance			No. of triangle used	No. of triangle	Station	Corrected plane angle ° ' "	Distance			Theodolite used
			Log. feet	Feet	Miles					Log. feet	Feet	Miles	
760	XXXIX Pipábhár Sand Hill No. 74 (D)	59 31 49 60 3 19	4.755229 4.757546 4.759103	56915 57220 57425	10.779 10.837 10.876	Inch 24 7	772	Deogarh Shámpándi Harwáni (D)	35 20 27 80 1 7 64 38 26	4.528905 4.700023 4.722642	33799 57547 52801	6.401 10.899 10.000	Inch 7 " " "
761	Pipábhár Unchal Sand Hill No. 74 (D)	75 7 7 51 12 52	4.848598 4.755229 4.769527	70566 50915 58820	13.365 10.779 11.140	" "	773	Thoria Shámpándi Reni (D)	42 46 29 15 52 22	4.422541 4.027557 4.522045	26457 10655 33269	5.011 2.018 6.301	" "
762	XLI Pipábhár Rájpura House (D)	51 48 35 51 11 15	4.676893 4.673141 4.770220	47522 47113 58914	9.000 8.923 11.158	" "	774	Shámpándi Harwáni Reni (D)	39 56 26 51 29 34 88 34 0	4.336570 4.422541 4.528905	21706 26457 33799	4.111 5.011 6.401	" "
763	Pipábhár Unchal Rájpura House (D)	9 22 15 32 57 41	4.152953 4.676893 4.769527	14222 47522 58820	2.694 9.000 11.140	" "	775	Morábhár Khiáli Rasálánia	35 27 38 24 43 40 119 48 42	4.512175 4.370136 4.686993	32522 23450 48640	6.159 4.441 9.212	" "
764	Pipábhár Sonábhár Mulsira House	48 58 2 57 27 46	4.640147 4.688433 4.744477	43666 48801 55524	8.270 9.243 10.516	" "	776	Morábhár Rasálánia Nimbhár	38 46 10 93 58 40 47 15 10	4.300935 4.593183 4.370136	19996 31855 23450	3.787 6.033 4.441	" "
765	Unchal Morábhár Malána Tibba (D)	45 14 48 35 28 5	4.644185 4.550453 4.787111	44074 36013 61251	8.347 6.821 11.601	" "	777	Morábhár Rasálánia Kishanpura House (D)	56 5 26 84 34 52	4.487245 4.566264 4.370136	30708 36835 23450	5.816 6.976 4.441	" "
766	Morábhár Kanjan Malána Tibba (D)	42 45 47 39 3 59	4.676542 4.644185 4.840262	47483 44074 69225	8.993 8.347 13.111	" "	778	Khiáli Rasálánia Kishanpura House (D)	67 13 15 35 13 50	4.487245 4.283589 4.512175	30708 19213 32522	5.816 3.639 6.159	" "
767	Thoria Kanjan Shámpándi	60 44 12 22 45 57 96 29 51	4.875079 4.522045 4.931574	75003 33269 85423	14.205 6.301 16.179	" "	779	Morábhár Rasálánia Rájpargh (D)	21 41 38 27 26 54 130 51 28	4.059210 4.155074 4.370136	11461 14291 23450	2.171 2.707 4.441	" "
768	Kanjan Deogarh Shámpándi	44 24 37 96 15 19 39 20 4	4.722642 4.875079 4.679057	52801 75003 47825	10.000 14.205 9.058	" "	780	Rasálánia Nimbhár Rájpargh (D)	66 31 46 34 15 53 79 12 21	4.271183 4.059210 4.300935	18672 11461 19996	3.536 2.171 3.787	" "
769	Morábhár Kanjan Bhagola House	61 30 50 54 17 18 39 20 4	4.829829 4.795410 4.840262	67582 62432 69225	12.800 11.824 13.111	" "	781	Khiáli Rámsira Lilás House	55 36 12 09 49 10	4.687337 4.743292 4.681909	48679 55372 48074	9.219 10.487 9.105	" "
770	Kanjan Rámsira Bhagola House (D)	36 0 10 77 7 58 4.804462	4.610121 4.829829 4.804462	40749 67582 63747	7.718 12.800 12.073	" "	782	Rámsira Anúpsahar Gudráh Tibba (D)	65 13 56 39 20 28	4.770086 4.614039 4.797791	58896 41119 62776	11.155 7.788 11.889	" "
771	Kanjan Deogarh Harwáni	68 27 35 60 54 52 50 37 33	4.760023 4.73925 4.679657	57547 54066 47825	10.899 10.240 9.058	" "	783	Anúpsahar Saindu Gudráh Tibba (D)	18 16 35 98 48 5	4.271608 4.770086 4.724810	18690 58896 53065	3.540 11.155 10.050	" "

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	
784	Rámsira Saindu Dháka Tibba (D)	57 46 33 52 34 52	4:707157 4:679741 4:751795	50952 47834 56467	9:650 9:060 10:695	Inch 7 "	Házira XLIX Rámpuria House (D)	32 24 29 10 15 52	4:614054 4:135820 4:716039	41120 13672 52004	7:788 2:589 9:849	Inch 7 "	
785	Anúshahr Saindu Dháka Tibba (D)	73 44 35 17 16 36	4:707157 4:197615 4:724810	50952 15762 53065	9:650 2:985 10:050	" " "	Sháhpuria Házira Darbah Tomb (D)	61 10 16 70 36 42	4:490350 4:522460 4:420364	30928 33301 26325	5:858 6:307 4:986	" " "	
786	Salámi Tibba Chúrúwála Hatia (D)	57 23 44 16 18 48 106 17 28	4:653506 4:176519 4:710185	45030 15015 51308	8:528 2:844 9:717	" " "	Házira LI Darbah Tomb (D)	88 43 43 37 14 52	4:708299 4:490350 4:616493	51086 30928 41352	9:675 5:858 7:832	" " "	
787	Chúrúwála Gandi Hatia (D)	69 54 19	4:699593	50072	9:483	"	BHATNER SECONDARY SERIES.						
788	Anúshahr Salámi Tibba Bahádráh Gateway (D)	38 42 20 66 25 14	4:550166 4:716200 4:738751	35495 52024 54796	6:723 9:853 10:378	" " "							
789	Salámi Tibba Hatia Bahádráh Gateway (D)	56 54 31 98 20 59	4:477935 4:550166 4:176519	30056 35495 15015	5:692 6:723 2:844	" " "	LII LIV Harni	67 44 21 63 19 17 48 56 22	4:754017 4:738769 4:665036	56757 54799 46242	10:749 10:379 8:758	" " "	
790	Saindu Chúrúwála Chani Tree (D)	44 18 38 62 13 8	4:619892 4:722509 4:757367	41677 52785 57196	7:893 9:997 10:833	" " "	LIV Harni Sádowáli	47 38 39 57 20 31 75 0 50	4:637675 4:694309 4:754017	43418 49466 56757	8:223 9:369 10:749	" " "	
791	Chúrúwála Sawwála Chani Tree (D)	34 12 5 63 30 10	4:417906 4:619892 4:664152	26176 41677 46148	4:958 7:893 8:740	" " "	Sádowáli Harni Nathohar	73 51 14 38 0 20 68 8 26	4:652602 4:459476 4:637675	44937 28806 43418	8:511 5:456 8:223	" " "	
792	Chúrúwála Gandi Gandi House (D)	25 58 33 45 29 32	4:290744 4:502462 4:626154	19532 31803 42282	3:699 6:023 8:008	" " "	Harni Nathohar Baraj-ka-Tibbi	48 11 47 87 42 10 44 6 3	4:682450 4:809692 4:652602	48134 64520 44937	9:116 12:220 8:511	" " "	
793	Chúrúwála Sawwála Gandi House (D)	36 29 51 42 35 2	4:446448 4:502462 4:664152	27954 31803 46148	5:294 6:023 8:740	" " "	Nathohar Baraj-ka-Tibbi Basíhar	46 8 21 57 57 17 75 54 22	4:553675 4:623930 4:682450	35783 42066 48134	6:777 7:967 9:116	" " "	
794	Sawwála Sháhpuria Jándwála House	40 25 2 32 20 33	4:493203 4:409732 4:661430	31132 25688 45860	5:896 4:865 8:686	" " "	Baraj-ka-Tibbi Basíhar Bhatner	78 15 53 67 5 17 34 38 50	4:789753 4:763236 4:553675	61624 57974 35783	11:671 10:980 6:777	" " "	
795	Sháhpuria Házira Rámpuria House (D)	27 11 42 91 9 48	4:135820 4:475795 4:420364	13672 29909 26325	2:589 5:664 4:986	" " "	Basíhar Bhatner Mániksir	29 9 46 29 57 11 120 53 3	4:543951 4:554515 4:789753	34991 35852 61624	6:627 6:790 11:671	" " "	

No. of triangle	Station	Corrected plane angle			Theodolite used	No. of triangle	Station	Corrected plane angle			Theodolite used	Distance		
		°	'	"				Log. feet	Feet	Miles		Log. feet	Feet	Miles
806	Mániksír	48	2	52	7	Raghuánáthpura	54	48	3	7	58030	10'991	10'991	
	Bhatner	91	50	59	"	Maláwála	45	51	21	"	50959	9'651	9'651	
	Jhundwála	40	6	9	"	Jhundwála	79	20	36	"	69790	13'218	13'218	
807	Bhatner	72	27	27	"	Maláwála	68	8	17	"	67542	12'792	12'792	
	Jhundwála	52	47	10	"	Jhundwála	58	58	51	"	62368	11'812	11'812	
	Fathigarh	54	45	13	"	Bháni Singwála	52	52	52	"	58030	10'991	10'991	
808	Jhundwála	72	2	28	"	Maláwála	52	51	57	"	51665	9'785	9'785	
	Fathigarh	48	25	11	"	Bháni Singwála	52	54	3	"	51689	9'790	9'790	
	Yálki	59	32	21	"	Khalwála	74	14	0	"	62368	11'812	11'812	
809	Fathigarh	66	32	32	"	Khalwála	28	19	39	"	24810	4'699	4'699	
	Yálki	53	36	55	"	Bháni Singwála	70	30	23	"	49288	9'335	9'335	
	Banga Pili	59	50	33	"	Landa	81	9	58	"	51665	9'785	9'785	
810	Yálki	66	26	51	"	Bháni Singwála	55	0	51	"	36222	6'860	6'860	
	Banga Pili	48	19	49	"	Landa	90	50	57	"	44266	8'372	8'372	
	Amrwála	65	13	20	"	Kalarwála	34	8	12	"	24810	4'699	4'699	
811	Banga Pili	85	53	37	"	Landa	59	40	40	"	50570	9'578	9'578	
	Amrwála	50	27	39	"	Kalarwála	82	7	53	"	58033	10'991	10'991	
	Rang Mahál	43	38	44	"	Mirjáhwála	38	11	27	"	36222	6'860	6'860	
812	Amrwála	63	24	3	"	Kalarwála	52	15	10	"	45062	8'534	8'534	
	Rang Mahál	34	54	59	"	Mirjáhwála	65	12	7	"	51734	9'798	9'798	
	Sardárpur	81	40	58	"	Charangwála	62	32	43	"	50570	9'578	9'578	
813	Rang Mahál	46	59	32	"	Mirjáhwála	35	55	35	"	27232	5'158	5'158	
	Sardárpur	60	21	44	"	Charangwála	67	55	48	"	43012	8'146	8'146	
	Alwána	72	38	44	"	Muklánúr	76	8	37	"	45062	8'534	8'534	
814	Sardárpur	34	31	22	"	Charangwála	57	49	25	"	31380	5'943	5'943	
	Alwána	53	49	15	"	Muklánúr	74	54	26	"	35795	6'779	6'779	
	Lakarála	91	39	23	"	Motoli	47	16	9	"	27232	5'158	5'158	
815	Lakarála	61	46	26	"	LIV	42	34	43	"	38910	7'369	7'369	
	Alwána	64	21	13	"	Harni	38	8	53	"	35523	6'728	6'728	
	Bughia	53	52	21	"	Ghandhar House	47	16	9	"	56757	10'749	10'749	
816	Alwána	55	12	4	"	Harni	57	11	58	"	40484	7'667	7'667	
	Bughia	77	24	13	"	Nathohar	53	53	25	"	38910	7'369	7'369	
	Raghuánáthpura	47	23	43	"	Ghandhar House	30	25	19	"	26510	5'021	5'021	
817	Bughia	47	48	20	"	Nathohar	23	2	39	"	20493	3'881	3'881	
	Raghuánáthpura	108	4	31	"	Basíhar	4'423405			"	4'311607			
	Maláwála	24	7	9	"	Náiwála House	4'623930			"	4'623930			

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	
880	Baraj-ka-Tibbi s. Basīhar Nāiwāla House (D)	46 53 50 52 51 43	4'423405 4'461563 4'553675	26510 28944 35783	5'021 5'482 6'777	842	Fathigarh s. Yālki Dulmānāh Mound (D)	41 31 6 44 15 21	4'539049 4'561397 4'716445	34598 36425 52053	6'553 6'899 9'859	Inch 7 "
881	Baraj-ka-Tibbi s. Basīhar s. [Mound (D) Lohangnāth-ka-Thari	70 4 19 55 28 3	4'616385 4'559026 4'553675	41341 36226 35783	7'830 6'861 6'777	843	Fathigarh s. Banga Pili Dulmānāh Mound (D)	25 1 26 44 54 13	4'338981 4'561397 4'685430	21826 36425 48465	4'134 6'899 9'179	" " "
882	Basīhar s. Bhatner s. [Mound (D) Lohangnāth-ka-Thari	11 37 14 21 30 32	4'356260 4'616385 4'789753	22712 41341 61624	4'302 7'830 11'671	844	Fathigarh s. Banga Pili Baropal Mound (D)	30 5 50 79 9 36	4'410680 4'702616 4'685430	25744 50422 48465	4'876 9'550 9'179	" " "
883	Baraj-ka-Tibbi s. Basīhar Sultān Pīr Mound (D)	47 37 33 10 19 50	4'493963 3'879106 4'553675	31186 7570 35783	5'906 1'434 6'777	845	Banga Pili s. Rang Mahal Baropal Mound (D)	86 46 25 22 53 55	4'819928 4'410680 4'794499	66058 25744 62302	12'511 4'876 11'800	" " "
884	Basīhar Bhatner Sultān Pīr Mound (D)	56 45 27 30 21 35	4'712695 4'493963 4'789753	51605 31186 61624	9'774 5'906 11'671	846	Yālki s. Banga Pili Hāsalwāla House (D)	53 16 54 21 46 57	4'661018 4'326541 4'742142	45816 21210 55226	8'677 4'017 10'459	" " "
885	Basīhar Bhatner Saregarh House (D)	28 41 39 14 4 54	4'639162 4'343950 4'789753	43567 22077 61624	8'251 4'181 11'671	847	Banga Pili s. Amrwāla Hāsalwāla House (D)	26 32 52 54 11 31	4'402260 4'661018 4'746310	25250 45816 55758	4'782 8'677 10'560	" " "
886	Bhatner Mānīksir Saregarh House (D)	15 52 17 120 8 0	4'139141 4'639162 4'543951	13777 43567 34991	2'609 8'251 6'627	848	Yālki s. Banga Pili Laskarwāla House (D)	46 55 59 51 54 31	4'610988 4'643324 4'742142	40831 43987 55226	7'733 8'331 10'459	" " "
887	Basīhar Mānīksir Kamria Temple (D)	68 8 30 38 20 33	4'540340 4'365387 4'554515	34701 23195 35852	6'572 4'393 6'790	849	Banga Pili s. Rang Mahal Laskarwāla House (D)	82 18 55 35 26 46	4'843689 4'610988 4'794499	69773 40831 62302	13'215 7'733 11'800	" " "
888	Bhatner Mānīksir Kamria Temple (D)	48 27 28 82 32 30	4'540340 4'662478 4'543951	34701 45970 34991	6'572 8'707 6'627	850	Rang Mahal s. Alwāna Sūratgarh	25 58 58 8 0 34 146 0 28	4'715667 4'218158 4'821567	51960 16526 66368	9'841 3'130 12'558	" " "
889	Bhatner Jhundwāla Lilāwāli	78 38 39 53 4 19 48 17 2	4'724771 4'636116 4'606359	53060 43263 40398	10'049 8'194 7'651	851	Malāwāla s. Khalwāla Anūjgarh Fort	46 1 13 96 23 45	4'785206 4'925412 4'713398	60983 84219 51689	11'550 15'951 9'790	" " "
890	Jhundwāla Yālki Makāsir Mound (D)	79 11 45 33 29 39	4'639271 4'388861 4'612054	43578 24483 40931	8'253 4'637 7'752	852	Bhāni Singwāla s. Landa Mamiwāla Tibbi	45 45 38 84 21 1 49 53 21	4'366253 4'508964 4'394626	23241 32282 24810	4'402 6'114 4'699	" " "
891	Fathigarh s. Yālki Makāsir Mound (D)	56 0 47 26 2 42	4'639271 4'363171 4'716445	43578 23077 52053	8'253 4'371 9'859	853	Muklānūr s. Motoli Sadoli Sand Hill	101 2 0 47 22 44	4'769377 4'644267 4'496648	58800 44083 31380	11'136 8'349 5'943	" " "

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	
AHMADWALA TO DHIMAWALA*												
SECONDARY SERIES.												
854	LXII Ghal	34 50 45	4'520757	33171	6.282	863	LXXII Ghal	39 50 47	4'451059	28253	5.351	Inch
	LXIV	49 11 0	4'642823	43936	8.321		Bariam Sing	111 20 37	4'327346	21249	4.025	"
	Pisiána	95 58 15	4'761477	57740	10.936		Bariam Sing		4'613526	41070	7.778	"
855	LXIV	51 39 52	4'415529	26033	4.931	864	Bariam Sing	61 8 59	4'448323	28075	5.317	"
	Pisiána	40 14 12	4'331192	21438	4.060		Ghal	57 2 10	4'429645	26893	5.093	"
	Kotli No. 1	88 5 56	4'520757	33171	6.282	865	Sultán Khánwála	61 48 51	4'451059	28253	5.351	"
856	Pisiána	64 28 15	4'444569	27834	5.272		Ghal	50 36 42	4'405897	25462	4.822	"
	Kotli No. 1	57 57 51	4'417437	26148	4.952	866	Sultán Khánwála	70 56 22	4'493306	31139	5.898	"
	Bhuliána	57 33 54	4'415529	26033	4.931		Piárána	58 26 56	4'448323	28075	5.317	"
857	Kotli No. 1	58 27 31	4'437340	27374	5.184		Sultán Khánwála s.	55 4 50	4'319739	20880	3.955	"
	Bhuliána	61 28 45	4'450579	28221	5.345	867	Piárána	35 47 45	4'173028	14895	2.821	"
	Malán	60 3 44	4'444569	27834	5.272		Walhúr	89 7 25	4'405897	25462	4.822	"
858	Pisiána	91 23 30	4'474062	29789	5.642		LXXII	12 33 15	4'215069	16409	3.108	"
	Kotli No. 1	27 43 21	4'141821	13862	2.625	868	Ghal	20 24 21	4'420296	26321	4.985	"
	Chotia House		4'415529	26033	4.931		Náráyngarh House		4'613526	41070	7.778	"
859	Kotli No. 1	30 14 30	4'180396	15149	2.869		LXXII	27 17 32	4'088392	12257	2.321	"
	Bhuliána	82 2 20	4'474062	29789	5.642	869	Bariam Sing	100 3 38	4'420296	26321	4.985	"
	Chotia House		4'444569	27834	5.272		Náráyngarh House		4'327346	21249	4.025	"
860	Pisiána	8 16 13	3'574023	3750	0.710		LXXII	29 29 46	4'309005	20371	3.858	"
	Kotli No. 1	84 45 22	4'414314	25961	4.917	870	Ghal	53 33 54	4'522262	33286	6.304	"
	Kotli House		4'415529	26033	4.931		Karmúwála House		4'613526	41070	7.778	"
861	Pisiána	56 12 2	4'389954	24544	4.649		Ghal	24 45 18	4'112525	12958	2.454	"
	Bhuliána	61 30 50	4'414314	25961	4.917	871	Bariam Sing	41 10 13	4'309005	20371	3.858	"
	Kotli House		4'417437	26148	4.952		Karmúwála House		4'451059	28253	5.351	"
FEROZPUR*												
SECONDARY SERIES.												
862	LXX LXXII Ghal	40 13 43 49 37 53 90 8 24	4'613526 4'685296 4'803401	41070 48450 63592	7.778 9.176 12.044	872	Bariam Sing	59 12 4	4'360063	22912	4.339	"
						873	Sultán Khánwála s.	48 8 2	4'298070	19864	3.762	"
							Walhúr	65 30 22	4'169155	14762	2.796	"
							Ugoki House	47 50 8	4'080059	12024	2.277	"
						874	Piárána	44 51 42	4'169155	14762	2.796	"
							Walhúr	41 17 17	4'140163	13809	2.615	"
							Ugoki House	4'319739	4'319739	20880	3.955	"

* The continuation of these series will be found in the Synopsis of Results of the Sutlej Series.

SECONDARY STATIONS AND INTERSECTED POINTS.

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	
MIANMIR*													
SECONDARY SERIES.													
875	LXXVI LXXVIII Maniálha s.	52 28 14 53 20 10 74 11 36	4'616000 4'620961 4'699963	41305 41779 50115	7'823 7'913 9'491	Inch 7 " "	Súr Sing Waltoha Mukhi House (D)	26 18 34 24 58 39	4'622628 4'601592 4'868264	41940 39957 73835	7'943 7'568 13'984	Inch 7 " "	
876	LXXVIII Maniálha s. Súr Sing	54 5 20 78 36 14 47 18 26	4'658159 4'741064 4'616000	45515 55089 41305	8'620 10'434 7'823	" " "	Súr Sing Padhána Sarái Amánat Khán	56 44 17 40 10 23 83 5 20	4'794126 4'591457 4'778664	50597 39035 60071	9'583 7'393 11'377	" " "	
877	Maniálha Súr Sing Waltoha	92 38 17 49 21 9 38 0 34	4'868264 4'748813 4'658159	73835 56081 45515	13'984 10'621 8'620	" " "	Súr Sing Padhána Chabhal House	86 4 11 45 53 47	4'719130 4'576327 4'591457	52376 37699 39035	9'920 7'140 7'393	" " "	
878	Súr Sing Waltoha Jáhmau	56 46 18 50 50 38 72 23 4	4'811585 4'778664 4'868264	64801 60071 73835	12'273 11'377 13'984	" " "	Jáhmau Padhána Narli House (D)	33 50 5 37 32 11	4'360527 4'399635 4'591457	22936 25098 39035	4'344 4'753 7'393	" " "	
879	Jáhmau Waltoha Luliáni	73 53 50 44 1 16 62 4 54	4'847939 4'707258 4'811585	70459 50963 64801	13'345 9'652 12'273	" " "	Jáhmau Padhána Thetar	25 22 0 45 33 9	4'360527 4'582301 4'704126	22936 38221 50597	4'344 7'239 9'583	" " "	
880	Waltoha Luliáni Kasúr	45 40 0 60 54 49 73 25 11	4'720862 4'807838 4'847939	52585 64245 70459	9'959 12'168 13'345	" " "	Jáhmau Luliáni Kána (D)	78 50 54 35 21 21 65 47 45	4'661125 4'706461 4'707258	45827 50870 50963	8'679 9'634 9'652	" " "	
881	Luliáni Kasúr Tháman	69 11 55 58 42 3 52 6 2	4'794462 4'755431 4'720862	62296 56942 52585	11'799 10'784 9'959	" " "	Jáhmau Thetar Kána (D)	41 12 24 100 26 3 38 21 33	4'532441 4'706461 4'506507	34075 50870 32100	6'454 9'634 6'080	" " "	
882	LXXVIII Maniálha Jaura Shiwála (D)	34 52 23 12 18 13	4'57841 4'079194 4'616000	32199 12000 41305	6'098 2'273 7'823	" " "	Padhána Thetar Muni Alah House	58 38 12 36 34 7	4'669004 4'512694 4'735810	46666 32561 54426	8'838 6'167 10'308	" " "	
883	Maniálha Súr Sing Jaura Shiwála (D)	66 18 1 42 8 58	4'642811 4'57841 4'658159	43935 32199 45515	8'321 6'098 8'620	" " "	Jáhmau Padhána Lahor Bádsháhi Masjid	74 20 17 78 29 40	5'028165 5'035781 4'704126	106700 108588 50597	20'208 20'566 9'583	" " "	
884	Maniálha Súr Sing Mukhi House (D)	60 47 3 23 2 35	4'601592 4'353330 4'658159	39957 17920 45515	7'568 3'394 8'620	" " "	Jáhmau Kána Lahor Bádsháhi Masjid	45 43 1 107 47 30	4'911916 5'035781 4'706461	81643 108588 50870	15'463 20'566 9'634	" " "	

* The continuation of this series will be found in the Synopsis of Results of the Sutlej 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	
897	Jáhman s. Padhána " Míánmir Church (D)	73 25 53 68 20 30	4'894174 4'880795 4'704126	78374 75997 50597	14'844 14'393 9'583	Inch 7 "	Fathiabad s. Bhel " Govindwál "	74 58 8 35 49 15 69 12 37	4'378756 4'161219 4'364636	23920 14495 23155	4'530 2'745 4'385	Inch 14 " "	
898	Jáhman s. Kána " Míánmir Church (D)	46 37 25 91 22 22	4'742369 4'880795 4'706461	55255 75997 50870	10'465 14'393 9'634	" "	Bhel s. Govindwál " Choláda "	88 26 33 43 56 54 47 36 33	4'510208 4'351734 4'378756	32375 22477 23920	6'132 4'257 4'530	" " "	
899	Wáltoha s. Lulíáni " Chatíánwáli Dome (D)	25 33 56 41 35 7	4'518454 4'705423 4'847939	32995 50748 70459	6'249 9'611 13'345	" "	Govindwál s. Choláda " Dulowál "	54 58 51 39 6 30 85 54 39	4'424578 4'311199 4'510208	26581 20474 32375	5'034 3'878 6'132	" " "	
900	Jáhman s. Lulíáni " Chatíánwáli Dome (D)	29 56 36 20 29 47	4'518454 4'364481 4'707258	32995 23146 50903	6'249 4'384 9'652	" "	Gojéri s. Fathiabad " LXXIX	64 2 44 68 56 11 47 1 5	4'468658 4'484796 4'379085	29421 30535 23938	5'572 5'783 4'534	12 " "	
901	Wáltoha s. Lulíáni " Khemkaran House (D)	53 44 4 28 1 21	4'758936 4'524379 4'847939	57403 33449 70459	10'872 6'335 13'345	" "	Govindwál s. Fathiabad " Bhairowál "	86 29 44 58 3 32 35 26 44	4'397932 4'326544 4'161219	24948 21210 14495	4'725 4'017 2'745	14 " "	
902	Lulíáni s. Kasúr " Khemkaran House (D)	32 53 28 81 59 45	4'498023 4'758936 4'720862	31479 57403 52585	5'962 10'872 9'959	" "	Fathiabad s. LXXIX " Nagoka "	72 25 11 50 16 15 57 18 34	4'522780 4'429521 4'468658	33326 26886 29421	6'312 5'092 5'572	12 " "	
903	Lulíáni s. Kasúr " Kasúr House (D)	5 47 50 54 49 29	3'785000 4'693075 4'720862	6095 49326 52585	1'154 9'342 9'959	" "	Fathiabad s. Bhairowál " Nagoka "	36 50 16 77 59 12 65 10 32	4'216964 4'429521 4'397932	16480 26886 24948	3'121 5'092 4'725	14 " "	
904	Lulíáni s. Tháman " Kasúr House (D)	63 24 5 51 40 50	4'749863 4'693075 4'755431	56216 49326 56942	10'647 9'342 10'784	" "	LXXIX s. Nagoka " Dináwál "	69 34 4 32 59 42 77 26 14	4'505084 4'269355 4'522780	31995 18593 33326	6'060 3'521 6'312	12 " "	
BARI DOAB*													
SECONDARY SERIES.													
905	LXXVII s. Gojéri " Bhel "	58 24 18 51 4 48 70 30 54	4'289121 4'249791 4'333184	19459 17774 21537	3'685 3'366 4'079	24 12 "	Upál s. Nagoka " Khakh "	63 36 37 75 29 13 40 54 10	4'404150 4'437859 4'268037	25360 27407 18537	4'803 5'191 3'511	" " "	
906	Gojéri s. Bhel " Fathiabad "	63 30 35 67 42 43 48 46 42	4'364636 4'379085 4'289121	23155 23938 19459	4'385 4'534 3'685	" " "	Khakh s. Dináwál " Pakhoka "	37 40 10 80 3 1 62 16 49	4'136927 4'344230 4'297869	13707 22092 19855	2'596 4'184 3'760	" " "	

* The continuation of this series will be found in the Synopsis of Results of the Jogt-Tila Meridional Series under the heading of "Ravi Secondary Series".

SECONDARY STATIONS AND INTERSECTED POINTS.

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	
919	Dináwál Pakhoka Khaba	49 32 19 91 10 19 39 17 22	4'216655 4'335269 4'136927	16469 21641 13707	3'119 4'099 2'596	Inch 14 " "	931	Amritsar Minaret s. Govindgarh Fort s. Rámabágh	68 19 21 61 5 18 50 35 21	3'841063 3'815107 3'760880	6935 6533 5766	1'313 1'237 1'092	Inch 14 " "
920	Pakhoka Khaba Búndála No. 2	48 50 31 72 55 51 58 13 38	4'163899 4'267599 4'216655	14585 18518 16469	2'762 3'507 3'119	" " "	932	Madiála Paráriwála Sánga	49 30 14 57 5 50 73 23 56	4'128260 4'171259 4'228699	13436 14834 16932	2'545 2'809 3'207	" " "
921	Khaba Búndála No. 2 Búndála No. 1	58 39 2 42 21 36 78 59 22	4'103431 4'000490 4'163899	12689 10011 14585	2'403 1'896 2'762	" " "	933	Paráriwála Sánga Vadáli	61 30 5 72 39 7 45 50 48	4'216356 4'252232 4'128260	16457 17874 13436	3'117 3'385 2'545	" " "
922	Búndála No. 2 Búndála No. 1 Mima	73 50 57 57 6 44 49 2 19	4'207909 4'149539 4'103431	16140 14110 12689	3'057 2'672 2'403	" " "	934	Sánga Vadáli Kotli No. 2	53 52 58 60 48 28 65 18 34	4'165305 4'199002 4'216356	14632 15813 16457	2'771 2'995 3'117	" " "
923	Búndála No. 1 Mima Várpár	52 21 43 60 36 8 67 2 9	4'142429 4'183902 4'207909	13881 15272 16140	2'629 2'892 3'057	" " "	935	Vadáli Kotli No. 2 Kathánia	63 47 29 52 30 42 63 41 49	4'165658 4'112307 4'165305	14644 12951 14632	2'773 2'453 2'771	" " "
924	Mima Várpár Chátivind	74 1 22 51 12 55 54 45 43	4'213225 4'122153 4'142429	16339 13248 13881	3'095 2'509 2'629	" " "	936	Kotli No. 2 Kathánia Phakna	54 27 50 51 46 51 73 45 19	4'093843 4'078581 4'165658	12412 11983 14644	2'351 2'270 2'773	" " "
925	Várpár Chátivind Madiála	46 32 4 58 26 2 75 1 54	4'089027 4'138675 4'213225	12275 14410 16339	2'325 2'729 3'095	" " "	937	Kathánia Phakna Khásha	51 18 38 69 36 34 59 4 48	4'052812 4'132310 4'093843	11293 13562 12412	2'139 2'568 2'351	" " "
926	Madiála Várpár Rasid Pindori	39 11 24 47 12 10 93 36 26	3'960181 4'025992 4'158675	9124 10595 14410	1'728 2'007 2'729	12 " "	938	Phakna Khásha Hushiárnagar	49 25 52 77 54 13 52 39 55	4'032986 4'142635 4'052812	10789 13888 11293	2'043 2'630 2'139	" " "
927	Várpár Rasid Pindori LXXX	88 1 17 32 16 10 59 42 33	4'023672 3'751392 3'960181	10560 5641 9124	2'000 1'068 1'728	" " 24	939	Khásha Hushiárnagar Karánda	51 53 23 82 18 24 45 48 13	4'073372 4'173567 4'032986	11841 14913 10789	2'243 2'824 2'043	" " "
928	Chátivind Madiála Paráriwála	70 34 9 66 17 53 43 7 58	4'228699 4'215896 4'089027	16932 16440 12275	3'207 3'114 2'325	14 " "	940	Hushiárnagar Karánda Neshta	47 14 51 103 39 57 29 5 12	4'252487 4'374146 4'073372	17885 23667 11841	3'387 4'482 2'243	" " "
929	Chátivind Paráriwála Amritsar Minaret,	40 40 43 63 28 50 75 50 27	4'043419 4'181012 4'215896	11051 15171 16440	2'093 2'873 3'114	" " "	941	Karánda Neshta Dala No. 1	63 59 43 45 39 10 70 21 7	4'232182 4'132917 4'252487	17068 13581 17885	3'233 2'572 3'387	" " "
930	Paráriwála Amritsar Minaret, Govindgarh Fort	31 24 12 55 39 5 92 56 43	3'760880 3'960773 4'043419	5766 9136 11051	1'092 1'730 2'093	" " "	942	Dala No. 1 Neshta Vága	52 4 57 81 43 12 46 11 51	4'270827 4'369257 4'232182	18656 23402 17068	3'533 4'432 3'233	" " "

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				
943	Neshta	36	31	40	4'174790	14955	2'832	Inch	955	Gújar Sing-ka-Kila s.	78	33	55	4'076221	11918	2'257	Inch
	Vága	95	31	32	4'398096	25009	4'737	14		Miánmir s.	47	52	8	3'955104	9018	1'708	"
	Chápa	47	56	48	4'270827	18656	3'533	"		Majáng "	53	33	57	3'990475	9783	1'853	"
944	Vága	54	2	3	4'178132	15071	2'854	"	956	Fathiabad s.	59	35	53	4'335757	21665	4'103	"
	Chápa	72	31	57	4'249483	17762	3'364	"		Bhairowál "	37	5	33	4'180391	15149	2'869	"
	Dugra	53	26	0	4'174790	14955	2'832	"		Khandúr Temple	43	19	5	4'397032	24948	4'725	"
945	Chápa	41	18	42	4'002075	10048	1'903	"	957	Fathiabad s.	85	44	0	4'343199	22039	4'174	"
	Dugra	56	44	8	4'104713	12727	2'410	"		Bhairowál "	15	46	1	4'505639	32036	6'067	"
	Jalo	81	57	10	4'178132	15071	2'854	"		Kotli Mosque	148	36	56	4'423482	26514	5'022	"
946	Dugra	77	52	26	4'195665	15692	2'972	"	958	Dináwál s.	38	20	44	4'136927	13707	2'596	"
	Jalo	63	22	0	4'156751	14347	2'717	"		Pakhoka "	15	46	1	4'140959	13834	2'620	"
	Handu	38	45	34	4'002075	10048	1'903	"		Jandiála Fort	109	49	57	4'136927	13707	2'596	"
947	Jalo	40	2	41	4'138360	13752	2'605	"	959	Dináwál s.	38	20	44	4'207559	16127	3'054	"
	Handu	92	43	16	4'329399	21350	4'044	"		Pakhoka "	109	49	57	4'388331	24453	4'631	"
	Tára	47	14	3	4'195665	15692	2'972	"		Tárágarh Turret	38	43	27	4'136927	13707	2'596	"
948	Handu	67	46	36	4'199362	15826	2'997	"	960	Vadáli s.	26	20	55	4'004049	10094	1'912	"
	Tára	58	40	13	4'164438	14603	2'766	"		Kotli No. 2 "	26	20	55	3'854990	7161	1'356	"
	Lakhúder	53	33	11	4'138360	13752	2'605	"		Khapar Khári Turret	38	43	27	4'163305	14632	2'771	"
949	Tára	37	7	28	3'982894	9614	1'821	"	961	Vadáli s.	6	8	14	3'801426	6330	1'199	"
	Lakhúder	59	23	50	4'137042	13710	2'597	"		Kathánia "	6	29	49	3'826063	6700	1'269	"
	Bhagwánpur No. 1 s.	83	28	42	4'199362	15826	2'997	"		Dera Temple	125	30	47	4'112307	12951	2'453	"
950	Lakhúder	66	52	53	4'136495	13693	2'593	"	962	Vadáli s.	21	2	43	4'281701	19129	3'623	"
	Bhagwánpur No. 1 s.	72	53	57	4'153214	14230	2'695	"		Kathánia "	84	39	1'598	3'926308	8439	1'598	"
	Bhagwánpur No. 2 "	40	13	10	3'982894	9614	1'821	"		Kánúpur Turret	129	51	2'453	4'112307	12951	2'453	"
951	Bhagwánpur No. 2 s.	50	42	14	4'059076	11457	2'170	"	963	Kotli No. 2 s.	90	58	24	4'086985	12218	2'314	"
	Bhagwánpur No. 1 "	61	38	35	4'114886	13028	2'467	"		Phakna "	10	18	12	3'339560	2186	0'414	"
	Míra-di-kui s.	67	39	11	4'136495	13693	2'593	"		Basarki Turret	54	8	49	4'078581	11983	2'270	"
952	Bhagwánpur No. 1 s.	37	52	54	3'853449	7136	1'351	"	964	Kathánia s.	56	54	39	4'071092	11779	2'231	"
	Míra-di-kui s.	42	28	27	3'894728	7847	1'486	"		Khásha "	12	17	5	4'085479	12175	2'306	"
	Bhagwánpur No. 3 "	99	38	39	4'059076	11457	2'170	"		Bopára Turret	4	13	23	4'132310	13562	2'568	"
953	Míra-di-kui s.	76	18	20	3'982657	9609	1'820	"	965	Phakna s.	90	4	32	4'080495	12036	2'280	"
	Bhagwánpur No. 3 s.	57	30	47	3'021284	8342	1'580	"		Khásha "	20	9	56	3'617980	4149	0'786	"
	Gújar Sing-ka-kila "	46	10	53	3'853449	7136	1'351	"		Phakna (Bara) Turret	23	3	14	4'052812	11293	2'139	"
954	Bhagwánpur No. 3 s.	52	37	20	3'990475	9783	1'853	"	966	Neshta s.	27	11	57	3'977810	9502	1'800	"
	Gújar Sing-ka-kila "	76	4	20	4'077339	11949	2'263	"		Vága "	27	11	57	4'044968	11091	2'101	"
	Miánmir s.	51	18	20	3'982657	9609	1'820	"		Rája Shám Sing's Garden	186	56	3'533	4'270827	18656	3'533	"

SECONDARY STATIONS AND INTERSECTED POINTS.

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	
967	Neshta s.	47 57 28	4'145653	13985	2'649	979	Bhagwánpur No. 1 s.	40 32 38	3'996404	9918	1'878	Inch 14	
	Vága "	34 14 20	4'025102	10595	2'007		Míra-di-kui s. (D)	8 7 41	3'333877	2157	0'409		"
	Rája Chatar Sing's Garden		4'270827	18656	3'533		Shálemár Garden		4'059076	11457	2'170		"
968	Vága s.	112 21 56	4'408321	25605	4'849	980	Míra-di-kui s.	34 20 46	3'755380	5694	1'078	"	
	Chápa "	34 56 29	4'200241	15858	3'003		Bhagwánpur No. 3 s. (D)	100 39 9	3'996404	9918	1'878		"
	Rája Shám Sing's Atári		4'174790	14955	2'832		Shálemár Garden		3'853449	7136	1'351		"
969	Vága s.	149 47 3	4'381494	24071	4'559	981	Bhagwánpur No. 1 s.	11 33 9	3'531771	3402	0'644	"	
	Chápa "	11 59 44	3'997423	9941	1'883		Bhagwánpur No. 3 "	15 57 30	3'669399	4671	0'885		"
	Kanjari-ka-Pul		4'174790	14955	2'832		Bhagwánpur Turret		3'894728	7847	1'486		"
970	Chápa s.	7 46 9	3'245542	1760	0'333	982	Bhagwánpur No. 2 s.	22 20 47	3'937524	8660	1'640	"	
	Jalo "	70 2 16	4'087712	12238	2'318		Míra-di-kui s. [(D)	122 45 55	4'282248	19153	3'628		"
	Jalo Turret		4'104713	12727	2'410		Lahor, Wasir Khán's Mosque		4'114886	13028	2'467		"
971	Chápa s.	66 50 18	4'394141	24782	4'694	983	Míra-di-kui s.	50 48 7	3'863254	7299	1'382	"	
	Jalo "	84 59 17	4'428974	26852	5'086		Gújar Sing-ka-kila s. [(D)	66 51 13	3'937524	8660	1'640		"
	Pasin Turret		4'104713	12727	2'410		Lahor, Wasir Khán's Mosque		3'921284	8342	1'580		"
972	Chápa s.	175 21 16	4'370205	23453	4'442	984	Bhagwánpur No 2 s.	70 13 58	4'281522	19121	3'621	"	
	Jalo "	2 7 36	4'031243	10746	2'035		Míra-di-kui s. (D)	69 53 11	4'280569	19080	3'614		"
	Narwal Turret		4'104713	12727	2'410		Sháhdra Minaret		4'114886	13028	2'467		"
973	Chápa s.	108 13 20	4'350875	22432	4'249	985	Bhagwánpur No 2 s.	117 10 58	4'470055	29516	5'590	"	
	Jalo "	39 10 13	4'173680	14917	2'825		Búkulwán s. (D)	35 6 5	4'280569	19080	3'614		"
	Maniára Bastion		4'104713	12727	2'410		Sháhdra Minaret		4'188417	15432	2'923		"
974	Tára s.	90 41 19	4'317394	20768	3'933	986	Bhagwánpur No. 3 s.	58 12 9	3'992926	9838	1'863	"	
	Bhagwánpur No. 1 s.	48 0 11	4'188520	15435	2'923		Gújar Sing-ka-kila "	65 41 28	4'023230	10549	1'998		"
	Tájgarh Temple		4'137042	13710	2'597		Miánmir's Tomb (D)		3'982667	9609	1'820		"
975	Bhagwánpur No. 1 s.	59 13 28	4'297032	19817	3'753	987	Gújar Sing-ka-kila s.	88 56 47	4'121338	13223	2'504	"	
	Bhagwánpur No. 2 "	84 21 27	4'360839	22953	4'347		Májáng s. (D)	48 3 53	3'992926	9838	1'863		"
	Lahor, Saman Burj (D)		4'136495	13693	2'593		Miánmir's Tomb (D)		3'955104	9018	1'708		"
976	Bhagwánpur No. 2 s.	33 39 13	4'061309	11516	2'181	988	Bhagwánpur No 3 s.	78 29 6	4'317075	20753	3'930	"	
	Míra-di-kui s.	107 31 20	4'297032	19817	3'753		Gújar Sing-ka-kila "	74 32 3	4'309888	20412	3'866		"
	Lahor, Saman Burj (D)		4'114886	13028	2'467		Miánmir House (D)		3'982667	9609	1'820		"
977	Bhagwánpur No. 1 s.	59 45 43	4'311396	20483	3'879	989	Gújar Sing-ka-kila s.	80 6 12	4'325478	21158	4'007	"	
	Bhagwánpur No. 2 "	84 57 37	4'373230	23617	4'473		Májáng s. (D)	75 4 13	4'317075	20753	3'930		"
	Lahor Temple (D)		4'136495	13693	2'593		Miánmir House (D)		3'955104	9018	1'708		"
978	Bhagwánpur No. 2 s.	34 15 23	4'085367	12172	2'305	990	Gújar Sing-ka-kila s.	164 6 45	4'247140	17666	3'346	"	
	Míra-di-kui s.	108 41 43	4'311396	20483	3'879		Miánmir s. (D)	7 10 5	3'905932	8053	1'525		"
	Lahor Temple (D)		4'114886	13028	2'467		Lahor, Sonahri Mosque		3'990475	9783	1'853		"

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	
991	Gújar Sing-ka-kila s.	83 26 33	4.023926	10566	2.001	1001	Lakhúder	49 29 27	4.188304	15428	2.922	Inch 14	
	Miánmir s.	29 39 33	3.721241	5203	0.997		Búkulwán	57 24 42	4.232920	17097	3.238		
	Budhu-ka-ava "	66 53 54	3.990475	9783	1.853		Awan	73 5 51	4.288139	19415	3.677		
992	Gújar Sing-ka-kila s.	120 34 47	4.275367	18852	3.571	1002	Búkulwán	49 5 46	4.129703	13480	2.553	"	
	Miánmir s. [(D)	32 53. 4	4.075100	11889	2.252		Awan	71 1 19	4.227018	10866	3.194		
	Lahor, Anár Kalí's Tomb		3.990475	9783	1.853		Aiánagar	59 52 55	4.188304	15428	2.922		
993	Miánmir s.	14 59 4	3.900908	7960	1.508	1003	Awan	54 1 25	4.129930	13487	2.554	"	
	Majáng s. [(D)	142 14 20	4.275367	18852	3.571		Aiánagar	71 59 38	4.200033	15850	3.002		
	Lahor, Anár Kalí's Tomb		4.076221	11918	2.257		Malakpur	53 58 57	4.129703	13480	2.553		
994	Gújar Sing-ka-kila s.	120 52 41	4.228523	16925	3.205	1004	Aiánagar	65 18 30	4.200303	15860	3.004	"	
	Miánmir s.	29 22 46	3.985623	9674	1.832		Malakpur	64 5 56	4.195970	15703	2.974		
	Lahor, Artillery Mess (D)		3.990475	9783	1.853		Gogodogur	50 35 34	4.129930	13487	2.554		
995	Miánmir s.	18 29 22	3.830847	6774	1.283	1005	Malakpur	47 19 1	4.116842	13087	2.479	"	
	Majáng s.	127 35 42	4.228523	16925	3.205		Gogodogur	69 41 59	4.222037	10697	3.162		
	Lahor, Artillery Mess (D)		4.076221	11918	2.257		Ráni	62 59 0	4.200303	15860	3.004		
996	Gújar Sing-ka-kila s.	42 43 12	3.897033	7889	1.494	1006	Gogodogur	40 50 42	3.978252	9512	1.801	"	
	Majáng s.	86 25 55	4.064694	11606	2.198		Ráni	75 0 53	4.147038	14049	2.661		
	Lahor, Board's Office (D)		3.955104	9018	1.708		Toti-Khokhar	64 8 25	4.116842	13087	2.479		
997	Gújar Sing-ka-kila s.	155 16 20	4.218379	16534	3.131	1007	Ráni	68 21 20	4.122579	13261	2.512	"	
	Budhu-ka-ava s.	17 4 33	4.064694	11606	2.198		Toti-Khokhar	69 49 59	4.126857	13392	2.536		
	Lahor, Board's Office (D)		3.721241	5263	0.997		Kakkar	41 48 41	3.978252	9512	1.801		
998	Miánmir s.	22 5 26	3.668402	4660	0.883	1008	Toti-Khokhar	49 57 13	4.019787	10466	1.982	"	
	Majáng s.	83 47 42	4.090579	12319	2.333		Kakkar	54 7 37	4.044483	11079	2.098		
	Ichra Temple		4.076221	11918	2.257		Polandhi Korli	75 55 10	4.122379	13261	2.512		
999	Miánmir s.	118 56 39	4.086916	12216	2.314	1009	Kakkar	62 18 5	4.123063	13276	2.514	"	
	Majáng s.	2 25 41	2.771869	591	0.112		Polandhi Korli	73 25 50	4.157502	14371	2.722		
	Miánmir Bastion		4.076221	11918	2.257		Sahadpur	44 16 5	4.019787	10466	1.982		
1000	Bhagwánpur No. 2 s.	81 39 40	4.288139	19415	3.677	1010	Polandhi Korli	60 53 47	4.139996	13775	2.609	"	
	Lakhúder s.	51 51 12	4.188417	15432	2.923		Sahadpur	61 44 38	4.142010	13887	2.630		
	Búkulwán "	46 29 8	4.153214	14230	2.695		Auliápur	57 21 35	4.123063	13276	2.514		
1001	Bhagwánpur No. 2 s.	81 39 40	4.288139	19415	3.677	1011	Sahadpur	50 38 27	4.054948	11349	2.149	"	
	Lakhúder s.	51 51 12	4.188417	15432	2.923		Auliápur	59 33 32	4.102247	12055	2.397		
	Búkulwán "	46 29 8	4.153214	14230	2.695		Vára	69 48 1	4.139096	13775	2.609		

RAVI

SECONDARY SERIES.

SECONDARY STATIONS AND INTERSECTED POINTS.

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	
1018	Vára Tilwandi Pindia	58 43 6 62 58 20 58 18 34	4'092128 4'110126 4'090230	12363 12886 12309	2'342 2'441 2'331	Inch 14 " "	1025	Dzria Budaichima Kot	70 55 25 62 40 54 46 23 41	4'120000 4'093173 4'004333	13183 12393 10100	2'497 2'347 1'913	Inch 14 " "
1014	Tilwandi Pindia Mandhiári	59 2 31 66 15 1 54 42 28	4'113580 4'141893 4'092128	12989 13864 12363	2'460 2'626 2'342	" " "	1026	Budaichima Kot Dáúd	64 3 14 51 9 0 64 47 46	4'1117307 4'054869 4'120000	13101 11347 13183	2'481 2'149 2'497	" " "
1015	Pindia Mandhiári Awána	63 41 20 58 11 15 58 7 25	4'137077 4'113881 4'113580	13711 12998 12989	2'597 2'462 2'460	" " "	1027	Kot Dáúd Kumra	51 14 17 72 3 44 56 41 59	4'087160 4'173562 4'1117307	12223 14913 13101	2'315 2'824 2'481	" " "
1016	Mandhiári Awána Rimidia	44 49 37 72 43 31 62 26 52	4'037524 4'169309 4'137077	10902 14768 13711	2'065 2'797 2'579	" " "	1028	Dáúd Kumra Púroaj	66 25 57 79 25 12 34 8 51	4'300121 4'330499 4'087160	19958 21404 12223	3'780 4'054 2'315	" " "
1017	Awána Rimidia Májima	55 49 27 69 50 15 54 20 18	4'045387 4'100250 4'037524	11102 12597 10902	2'103 2'386 2'065	" " "	1029	Kumra Púroaj Kamálpur	46 25 5 62 10 50 71 24 5	4'183387 4'270075 4'300121	15254 18624 19958	2'889 3'527 3'780	" " "
1018	Rimidia Májima Mirowál	59 9 8 78 7 11 42 43 41	4'147582 4'204421 4'045387	14047 16011 11102	2'660 3'032 2'103	" " "	1030	Púroaj Kamálpur Kotli No. 3	57 52 22 69 18 50 52 48 48	4'209924 4'253165 4'183387	16215 17913 15254	3'071 3'393 2'889	" " "
1019	Májima Mirowál Sarangda	61 30 6 52 33 39 65 50 15	4'130968 4'086883 4'147582	13520 12215 14047	2'561 2'313 2'660	" " "	1031	Kamálpur Kotli No. 3 Kásowála	40 30 13 54 47 8 84 42 39	4'024354 4'123999 4'209924	10577 13305 16215	2'003 2'520 3'071	" " "
1020	Mirowál Sarangda Gila	65 26 49 56 47 59 57 45 12	4'162561 4'126323 4'130968	14540 13376 13520	2'754 2'533 2'561	" " "	1032	Kotli No. 3 Kásowála Nangli	65 54 8 67 21 37 46 44 15	4'122490 4'127265 4'024354	13258 13405 10577	2'511 2'539 2'003	" " "
1021	Sarangda Gila Sauwál	63 47 35 64 7 40 52 4 45	4'218452 4'219692 4'162561	16537 16584 14540	3'132 3'141 2'754	" " "	1033	Kotli No. 3 Nangli LXXXVIII	39 28 9 91 41 30 48 50 21	4'053775 4'250359 4'127265	11318 17798 13405	2'144 3'371 2'539	12 " 24
1022	Gila Sauwál Sháhpur No. 1	39 11 15 71 5 59 69 42 46	4'046886 4'222195 4'218452	11140 16680 16537	2'110 3'159 3'132	" " "	1034	Kásowála Nangli Puránawála	72 8 37 48 9 5 59 42 18	4'164816 4'058362 4'122490	14616 11438 13258	2'768 2'166 2'511	14 " "
1023	Sauwál Sháhpur No. 1 Daria	49 32 29 78 14 14 52 13 17	4'030361 4'139831 4'046886	10724 13798 11140	2'031 2'613 2'110	" " "	1035	Nangli Puránawála Káhka-ka	47 13 20 64 42 56 68 3 44	4'063152 4'153724 4'164816	11565 14247 14616	2'190 2'698 2'768	" " "
1024	Sháhpur No. 1 Daria Budaichima	51 10 27 73 0 59 55 48 34	4'004333 4'093399 4'030361	10100 12399 10724	1'913 2'348 2'031	" " "	1036	Puránawála Káhka-ka Pálanangal	68 13 51 70 4 2 41 42 7	4'208032 4'213335 4'063152	16145 16343 11565	3'058 3'095 2'190	" " "

No. of triangle	Station	Corrected plane angle	Distance			Theodolite used	Station	No. of triangle	Station	Corrected plane angle	Distance			Theodolite used
			Log. feet	Feet	Miles						Log. feet	Feet	Miles	
1037	Káhka-ka	59 10 43	4'181688	15195	2'878	Inch	Dera	1049	s.	54 31 13	4'050119	11223	2'126	Inch
	Pálanangal	54 58 19	4'161028	14489	2'744	"	Adhi	"	"	46 47 3	4'001919	10044	1'902	"
	Pákho	65 50 58	4'208032	16145	3'058	"	Pindi	"	"	78 41 44	4'130815	13515	2'560	"
1038	Pálanangal	42 52 28	4'043524	11054	2'094	"	Adhi	1050	s.	42 15 49	3'922170	8359	1'583	"
	Pákho	67 51 29	4'177493	15049	2'850	"	Pindi	"	"	73 11 11	4'075476	11898	2'253	"
	Sádowáli No. 2	69 16 3	4'181588	15195	2'878	"	Sháhpur No. 2	"	"	64 33 0	4'050119	11223	2'126	"
1039	Pákho	69 6 11	4'216788	16474	3'120	"	Kakkár	1051	s.	141 30 4	4'249775	17774	3'366	"
	Sádowáli No. 2	72 4 35	4'224731	16778	3'178	"	Polandhi Korli	"	"	16 59 42	3'921448	8345	1'581	"
	Aulia	38 49 14	4'043524	11054	2'094	"	Manja Mosque	"	"	4'019787	10466	1'982	"	
1040	Sádowáli No. 2	42 22 50	4'079459	12008	2'274	"	Polandhi Korli	1052	s.	79 35 53	4'296633	19799	3'750	"
	Aulia	69 59 22	4'223723	16739	3'170	"	Sahadpur	"	"	59 8 17	4'237522	17279	3'273	"
	Bálothaur	67 37 48	4'216788	16474	3'120	"	Kakkár Turret	"	"	4'123063	13276	2'514	"	
1041	Aulia	66 17 33	4'179667	15124	2'864	"	Sahadpur	1053	s.	119 24 45	4'537432	34469	6'328	"
	Bálothaur	67 4 35	4'182228	15213	2'881	"	Tilwandi	"	"	24 41 21	4'218220	16528	3'130	"
	Miádi	46 37 52	4'079459	12008	2'274	"	Philowál Turret	"	"	*4'365516	23202	4'394	"	
1042	Bálothaur	61 23 16	4'182957	15239	2'886	"	Vára	1054	s.	31 54 51	3'848954	7062	1'338	"
	Miádi	58 0 27	4'167978	14722	2'788	"	Tilwandi	"	"	80 57 21	4'120354	13193	2'499	"
	Badála	60 36 17	4'179667	15124	2'864	"	Auliápur Nawa Turret	"	"	4'090230	12309	2'331	"	
1043	Miádi	42 48 58	4'057880	11426	2'164	"	Sárangda	1055	s.	102 27 16	4'397175	24956	4'727	"
	Badála	72 9 35	4'294194	16003	3'031	"	Sauwál	"	"	37 5 14	4'187856	15412	2'919	"
	Chani	65 1 27	4'182957	15239	2'886	"	Dafarwál W. Turret	"	"	4'219692	16584	3'141	"	
1044	Badála	54 53 23	4'079005	11995	2'272	"	Sárangda	1056	s.	28 21 22	4'013503	10316	1'954	"
	Chani	73 55 20	4'148899	14090	2'668	"	Sauwál	"	"	21 25 19	3'899425	7933	1'502	"
	Shahúd	51 11 17	4'057880	11426	2'164	"	Bilarwál Turret	"	"	4'219692	16584	3'141	"	
1045	Shahúd	78 23 47	4'234623	17164	3'251	"	Gila	1057	s.	100 29 33	4'314365	20624	3'906	"
	Chani	58 24 8	4'173901	14925	2'827	"	Sauwál	"	"	27 28 6	3'985632	9675	1'832	"
	Bijlowál	43 12 5	4'079005	11995	2'272	"	Bhaitiwála Mahal	"	"	4'218452	16537	3'132	"	
1046	Chani	56 26 1	4'161988	14521	2'750	"	Pákho	1058	s.	17 13 52	3'954143	8998	1'704	"
	Bijlowál	43 31 27	4'079220	12001	2'273	"	Sádowáli No. 2	"	"	4 6 36	3'337865	2177	0'412	"
	Bhkochoak	80 2 32	4'234623	17164	3'251	"	Pákho Building	"	"	4'043524	11054	2'094	"	
1047	Bhkochoak	33 38 39	3'944796	8806	1'668	"	Bhkochoak	1047	s.	33 38 39	3'944796	8806	1'668	"
	Bijlowál	80 21 23	4'195079	15670	2'968	"	Bijlowál	"	"	80 21 23	4'195079	15670	2'968	"
	Dera	65 59 58	4'161988	14521	2'750	"	Dera	"	"	65 59 58	4'161988	14521	2'750	"
1048	Bijlowál	76 41 40	4'130815	13515	2'560	"	Bijlowál	1048	s.	76 41 40	4'130815	13515	2'560	"
	Dera	63 57 6	4'090114	12477	2'363	"	Dera	"	"	63 57 6	4'090114	12477	2'363	"
	Adhi	39 21 14	3'944796	8806	1'668	"	Adhi	"	"	39 21 14	3'944796	8806	1'668	"

* Deduced base.

SECONDARY STATIONS AND INTERSECTED POINTS.

No. of	Station	Corrected plane angle	Distance			No. of triangle	Station	Corrected plane angle	Distance			Theodolite used
			Log. feet	Feet	Miles				Log. feet	Feet	Miles	
GURDASPUR SECONDARY SERIES.												
1059	LXXXV LXXXVII Kála Guria	47 22 38 57 29 39 75 7 43	4 618079 4 677303 4 730506	41503 47567 54514	7 860 9 009 10 325	1064	Núrpur Bhandiánwála Lakhowála	49 37 22 40 39 20 89 43 18	4 439527 4 371610 4 557683	27512 23529 30115	5 211 4 456 6 840	Inch 7 " "
1060	LXXXVII Kála Guria Shaun	54 11 50 48 5 48 77 42 22	4 537193 4 499886 4 618079	34450 31614 41503	6 525 5 988 7 860	1065	Bhandiánwála Lakhowála Gurdáspur	43 58 50 73 51 56 02 9 14	4 334593 4 475522 4 439527	21607 29890 27512	4 092 5 061 5 211	" " "
1061	Kála Guria Shaun Bhikáriwál	44 2 16 47 19 18 88 38 26	4 379383 4 403704 4 537193	23954 25334 34450	4 537 4 798 6 525	1066	Núrpur Bhandiánwála Gurdáspur Kachahri (D)	40 29 53 87 26 52	4 473358 4 660400 4 557683	29741 45751 30115	5 633 8 665 6 840	" " "
1062	Shaun Bhikáriwál Núrpur	59 39 46 62 38 0 57 42 14	4 388418 4 400827 4 379383	24458 25167 23954	4 632 4 766 4 537	1067	Bhandiánwála Lakhowála Gurdáspur Kachahri (D)	46 47 32 71 44 43	4 358437 4 473358 4 439527	22826 29741 27512	4 323 5 633 5 211	" " "
1063	Bhikáriwál Núrpur Bhandiánwála	92 0 0 45 24 17 42 35 43	4 557683 4 410479 4 388418	36115 25732 24458	6 840 4 874 4 632	1068	Núrpur Bhandiánwála Gurdáspur Sarái	38 3 42 87 40 22	4 438210 4 647912 4 557683	27429 44454 36115	5 195 8 419 6 840	" " "
						1069	Bhandiánwála Lakhowála Gurdáspur Sarái	47 1 2 66 17 30	4 340752 4 438210 4 439527	21916 27429 27512	4 151 5 195 5 211	" " "

J. B. N. HENNESSEY.

March 1874.

GURHAGARH MERIDIONAL SERIES.

SECONDARY TRIANGULATION.

AZIMUTHS OF SURROUNDING 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 to Secondary Points have been observed immediately followed by those azimuths. The second column contains the number of the triangle giving the distance between the Station and the Point.

Name of station with azimuths of surrounding points	Reference to triangle contain- ing distance	Name of station with azimuths of surrounding points	Reference to triangle contain- ing distance	Name of station with azimuths of surrounding points	Reference to triangle contain- ing distance
ADHI s. ° ' "		AHMADWALA, LXIV ° ' "		ALKWALA, LXVI ° ' "	
Bijlowál s. 104 23 28	1048	Nathána Mound 273 25 6	537	Dhilan House 169 41 26	551
Dera " 143 44 42	1048	Bhokra House 289 8 26	532	Bargarhi House 218 48 16	549
Pindi " 190 31 45	1049	Gobindpura House 289 22 28	528	Dalsingwála Tower 259 32 37	539
Sháhpur No. 2 " 232 47 34	1050	Sívían Mound 333 46 43	519	Dor House 263 13 25	543
AHMADWALA, LXIV		AIANAGAR s.		Kot Guru House 274 52 3	541
Bihman House 4 33 48	521	Búkulwán s. 53 40 37	1002	Ghunia House 287 58 54	545
Baluwána House 32 56 28	522	Gogodogur " 216 29 34	1004	Nathána Mound 308 31 5	537
Pisiána s. 58 3 30	854	Malakpur " 281 48 4	1003	Chandbhán House 355 8 41	534
Kotli No. 1 " 109 43 22	855	Awan " 353 47 42	1002	ALWANA s.	
Chainewála House 169 53 42	535	ALKWALA, LXVI		Raghunáthpura s. 35 39 47	816
Chanbhán House 208 55 16	538	Chainewála House 50 30 25	535	Bughia " 90 51 51	815
Bhokri House 260 51 25	526			Lakarála " 155 13 4	814

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ALWANA s.	° ' "	AULIAPUR s.	° ' "	BANDI s.	° ' "
Sardárpur s. 209 2 19	813	Vára s. 264 19 19	1011	Tákhra s. 85 24 52	687
Rang Mahal " 281 41 3	813	Sahadpur " 323 52 51	1010	Dholuo " 144 15 1	687
Súratgarh " 289 41 37	850			Salúnd Flag " 177 58 59	717
AMALDA, XIV		AULIA s.		Káli Thal " 224 15 27	688
Kachola Hill Temple 12 34 2	134	Sádowáli No. 2 s. 24 48 1	1039	Lakháriwála " 279 0 0	689
Chitorgarh Hill Fort 37 28 28	139	Pákho " 63 37 15	1039	Churlo Hill Peak " 286 37 39	719
Harnia h.s. 69 40 21	140	Miádi " 248 31 6	1041		
Shaipura Palace 126 1 5	142	Bálothaur " 314 48 39	1040	BANGA PILI s.	
Sáwar Hill Fort 194 14 32	147			Rang Mahal s. 47 24 32	811
Jájpur Hill Fort 222 36 51	148	AWANA s.		Laskarwála House " 129 43 27	848
Shai Mátha Hill Temple 224 51 46	145	Pindia s. 38 12 54	1015	Amrwála " 133 18 9	810
Kishangarh Hill Fort 275 27 15	144	Mandhiári " 96 20 19	1015	Hásalwála House " 159 51 1	846
Giloji Hill Temple 292 51 23	131	Rimidia " 169 3 50	1016	Yálki " 181 37 58	809
Amírgarh Hill Fort 319 51 8	130	Májima " 224 53 17	1017	Dulmánáh Mound " 196 34 18	843
				Fathigarh " 241 28 31	809
AMRITSAR MINARET s.		AWAN s.		Baropal Mound " 320 38 7	844
Paráriwála s. 58 27 29	929	Lakhúder s. 29 40 41	1001	BANKA, LI	
Govindgarh Fort " 114 6 34	930	Búkulwán " 102 46 32	1001	Sand Hill No. 1 89 4 43	378
Rámbágh " 182 25 55	931	Aiánagar " 173 47 51	1002	Ferozabad House 135 50 8	386
Chátivind " 342 37 2	929	Malakpur " 227 49 16	1003	Mauzudín House 138 12 58	388
AMRWALA s.		BADALA s.		Mádho Singhána House 143 16 15	384
Rang Mahal s. 3 42 2	811	Bálothaur s. 83 18 52	1042	Jaurki Mound No. 1 155 18 36	390
Sardárpur " 67 6 5	812	Miádi " 143 55 9	1042	Salárpur Mound 182 55 15	380
Yálki " 248 1 3	810	Chani " 216 4 44	1043	Tomb No. 1 189 28 34	382
Hásalwála House 259 2 52	847	Shahúd " 270 58 7	1044	Nitar Mosque 194 23 3	397
Banga Pili " 313 14 23	810			Tomb No. 2 207 12 58	393
ANUPSHAHR s.		BADALGARH, XLVI		Arniwála House 228 41 0	395
Deogarh s. 43 58 43	748	Sand Hill No. 22 s. 4 28 6	346	Darbah Tomb 257 30 54	798
Salámi Tibba " 123 34 5	750	" No. 23 46 31 39	349	Házira s. 294 45 46	759
Bahádrah Gateway 162 16 25	783	" No. 13 123 43 5	361	BARAJ-KA-TIBBI s.	
Chúrúwála " 177 41 58	752	" No. 12 184 38 48	359	Bhatner s. 100 18 12	804
Saindu " 239 38 2	751	" No. 10 209 50 41	357	Lohangnáth-ka-Thari Mound 108 29 46	831
Gudráh Tibba 257 54 37	782	" No. 16 246 46 40	351	Sultán Pír Mound 130 56 32	833
Rámsira " 297 15 5	749	" No. 17 288 15 58	356	Basáhar s. 178 34 5	803
Dháka Tibba 313 22 37	785	" No. 20 338 34 25	353	Náiwála House 225 27 55	830
Kanjan " 357 36 8	748	BAGI-KI-TIBBI s.		Nathohar " 236 31 22	802
ARAMLIA, XXIII. (of Kará-chi Longl. Series)		Bauri House 92 14 13	505	Harni " 280 37 25	802
Rupoára Hill Pagoda 170 17 6	109	Gurúka House 154 46 42	507	BARIAM SING s.	
Lasúr Hill Fort 205 4 6	110	Thiuná, LXII 178 30 56	495	Naráyngarh House 21 16 3	868
ARNAIA, X		Kailá-Vándar, LXI 265 47 58	494	Ghal s. 32 33 2	863
Ratangarh Hill Fort 18 47 13	115 & 116	Gar-wáli, LIX 312 50 8	494	Feroz Sháh House 51 50 55	871
Bego Palace 74 21 13	117	BAGLARA, XVI		Karmúwála House 73 43 15	870
Ráwardhan Hill 114 34 48	122	Kishangarh Hill Fort 73 45 27	144	Sultán Khánwála " 93 42 1	864
Mandalgarh s. 152 52 30	118	Shai Mátha Hill Temple 158 4 52	145	Sodiwála, LXXII 281 12 25	863
Mandalgarh Temple 154 8 40	124	BAILA TIBBI s.		BASIHAR s.	
Badwa Hill 239 45 18	123	Sawaipúr, LV 22 23 52	444	Sultán Pír Mound 8 53 50	833
ATALGARH, XCI		Gúkhawáli, LVI 90 3 30	444	Kamria Temple 26 40 33	837
Sankhatra House 61 0 15	659	Tiloká, LVII 143 39 4	445	Lohangnáth-ka-Thari Mound 54 2 3	831
Ghígján Mound 62 26 44	661	Mirjána House 194 54 6	470	Bhatner s. 65 39 17	804
Shakargarh Mound 315 20 50	663	Phaggu Tower 214 58 42	457	Saregarh House 94 20 56	835
Májra Mound 353 55 47	662	Dáu Mound 270 42 18	453	Mániksir " 94 49 3	805
AULIAPUR s.		Dudhál Tahsíl 289 27 35	455	Nathohar " 282 39 38	803
Polandhi Korli s. 21 14 26	1010	Thíraj Dharmasála 292 55 59	451	Náiwála House 305 42 17	829
Tilwandi " 204 14 43	1012	BALOTHAUR s.		Baraj-ka-Tibbi " 358 34 0	803
		Sádowáli No. 2 s. 67 11 43	1040	BHAGWÁNPUR No. 1 s.	
		Aulia " 134 49 31	1040	Shálemár Garden 46 20 28	979
		Miádi " 201 54 6	1041	Bhagwánpur No. 3 " 49 0 12	952
		Badála " 263 17 22	1042	Bhagwánpur Turret 60 33 24	981
				Míra-di-kui " 86 53 6	951

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BHAGWANPUR No. 1 s.		BHEL s.		BUDAICHIMA s.	
Lahor Temple 88 45 58	977	Gojeri s. 124 29 27	905	Daria s. 3 24 56	1026
Lahor Saman Burj 89 18 13	975	Fathiabad " 192 12 10	906	Sháhpur No. 1 " 59 13 30	1026
Bhagwánpur No. 2 " 148 31 41	950	Govindwál " 228 1 25	907	Dáúd " 236 40 48	1028
Lakhúder " 221 25 38	949	Choláda " 316 27 58	908	Kot " 300 44 2	1027
Tájgarh Temple 256 54 9	974				
Tára " 304 54 20	949	BHIKARIWAL s.		BUDHU-KA-ÁVA s.	
		Kála Guria s. 39 29 17	1061	Gújar Sing-ka-kila s. 64 27 31	991
BHAGWANPUR No. 2 s.		Shaun " 128 7 43	1061	Lahor Board's Office " 81 32 4	997
Míra-di-kui s. 19 13 12	951	Núrpur " 190 45 43	1062	Míánmir " 357 35 37	991
Lahor Wazír Khán's Mosque 41 33 59	982	Bhandiánwála " 282 45 43	1063		
Lahor Saman Burj 52 52 25	975			BUGHIA s.	
Lahor Temple 53 28 35	977	BHIKOCHAK s.		Maláwála s. 36 1 13	817
Sháhdra Minaret 89 27 10	984	Chani s. 27 20 31	1046	Lakarála " 216 56 19	815
Bákulwán s. 206 38 8	1000	Dera " 273 39 20	1047	Alwána " 270 48 40	815
Lakhúder " 288 17 48	950	Bijlowál " 307 17 59	1046	Raghunáthpura " 348 12 53	816
Bhagwánpur No. 1 " 328 30 58	950				
		BHULIANA s.		BUKULWAN s.	
BHAGWANPUR No. 3 s.		Malan s. 194 13 52	857	Bhagwánpur No. 2 s. 26 38 50	1000
Míánmir's Tomb 13 38 1	986	Kotli House 251 45 41	861	Sháhdra Minaret 61 44 55	985
Míánmir s. 19 12 50	954	Kotli No. 1 " 255 42 37	856	Aiánagar " 233 39 14	1002
Gújar Sing-ka-kila " 71 50 10	953	Pisiána " 313 16 31	856	Awan " 282 45 0	1001
Míra-di-kui " 129 20 57	952	Chotia House 337 44 57	859	Lakhúder " 340 9 42	1000
Bhagwánpur Turret 213 2 6	981				
Bhagwánpur No. 1 " 228 59 36	952	BHUMBA, XXXIV		BUNDALA No. 1 s.	
Shálemár Garden 230 0 6	980	Thaura Hill Temple 69 7 50	276	Várpúr s. 111 13 17	923
Míánmir House 353 21 4	988	Muglúna Fort 78 6 38	282	Míma " 163 35 0	922
		Shehandan Rock N. Head 109 39 43	289	Búndála No. 2 " 220 41 44	921
BHAIROWAL s.		Fathipur House 187 27 47	291	Khaba " 299 41 6	921
Govindwál s. 23 46 25	911	Lachmangarh Hill Fort 239 17 47	287		
Fathiabad " 59 13 9	911	Kála Tho Hill 270 23 52	285	BUNDALA No. 2 s.	
Khandúr Temple 96 18 42	956	Raghunáthgarh Hill 286 28 20	283	Búndála No. 1 s. 40 42 34	921
Nagoka " 137 12 21	913	Deogarh Hill Fort 316 47 32	278	Míma " 114 33 31	922
Kotli Mosque 144 57 9	957	Harsnáth Hill Temple 323 15 8	280	Pakhoka " 300 7 20	920
Upál " 185 11 15	915			Khaba " 358 20 58	920
		BHURU-CHAK, XCIII			
BHANDIANWALA s.		Ghamraula Temple 60 22 56	665	BUPKI, XXIII	
Bhikáriwál s. 102 48 17	1063			Masúda h.s. 93 43 42	185
Núrpur " 145 24 0	1063	BIJLOWAL s.		Balwanta " 157 49 37	201
Lakhowála " 186 3 20	1064	Shahúd s. 40 35 39	1045	Nasirabad Wind-mill " 162 24 55	187
Gurdáspur " 230 2 10	1065	Chani " 83 47 44	1045	Nasirabad Temple 165 24 13	203
Gurdáspur Kachahri 232 50 52	1066	Bhíkochak " 127 19 11	1046	Bír " 171 4 2	205
Gurdáspur Sarái 233 4 22	1068	Dera " 207 40 34	1047	Loárwára " 171 39 35	207
		Adhi " 284 22 14	1048	Nagola Fort 319 17 42	184
BHANI SINGWALA s.					
Mamiwála Tibbi s. 4 53 44	852	BIKANER s.		CHANGAIRI, III	
Landa " 50 39 22	821	Modia s. 267 18 55	711	Binautha Hill Temple 95 23 17	111
Khalwála " 121 9 45	820	Chária " 269 1 8	712		
Maláwála " 174 3 48	819	Hethiári " 308 4 10	711	CHANI s.	
Jhundiwála " 226 56 40	819			Badála s. 36 5 26	1043
Kalarwála " 355 38 31	822	BIRAMSIR, XXXV		Miádi " 101 6 53	1043
		Shehandan Rock N. Head 4 2 57	290	Bhíkochak " 207 19 57	1046
BHATNER s.		Rándisir h.s. 57 17 29	694	Bijlowál " 263 45 58	1045
Fathigarh s. 51 18 16	807	Ratangarh Fort 106 57 47	737	Shahúd " 322 10 6	1044
Jhundwála " 123 45 53	806	Sand Hill No. 65 177 31 24	299		
Liláwáli " 202 24 32	839	Dehpálsir Temple 215 49 8	303	CHAPA s.	
Mániksir " 215 36 52	805	Sand Hill No. 68 229 21 38	305	Jalo s. 93 22 29	945
Saregarh House 231 29 9	835	Rámgarh House 236 14 29	301	Jalo Turret 101 8 38	970
Basihar " 245 34 3	804	Sand Hill No. 71 247 6 23	293	Dugra " 134 41 11	944
Kamria Temple 264 4 20	838	Mandáwa Tower 267 26 5	295	Pasin Turret 160 12 47	971
Lohangnáth-ka-Thari Mound 267 4 35	832	Sand Hill No. 73 270 15 12	297	Kanjari-ka-Pul 195 13 24	969
Sultán Pír Mound 275 55 38	834	Fathipur House 287 21 21	291	Vága " 207 13 8	943
Baraj-ka-Tibbi s. 280 12 53	804	Lachmangarh Hill Fort 312 5 32	287	Rája Shám Sing's Atári 242 9 37	968
				Neshta " 255 9 56	943
BHEL s.		BISUNGARH, XI			
Sangatpúr, LXXVII 53 58 33	905	Ratangarh Hill Fort 57 33 52	116		

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CHAPA s.	o ' "	CHULI s.	o ' "	DARAGARH, XX	o ' "
Narwal Turret	278 1 13	Khuráli s.	3 42 36	Nowála Hill Temple	116 32 17
Maniára Bastion	345 9 9	Uchlanga "	159 22 6	Gidan Mátha Hill Temple	127 33 11
CHABANGWALA s.		Mága Bháti "	231 28 24	Mátháji Kheri Hill Temple	136 51 39
Muklánir s.	56 38 28	Nágaur Minaret No. 1	306 33 47	Dabla Bungalow	200 30 3
Mirjáhwála "	124 34 16	Nágaur Minaret No. 2	306 35 59	Bámnia Tower	242 49 23
Kalarwála "	187 6 59	Nágaur "	307 41 54	Shaipura Palace	244 39 22
Motoli "	358 49 3	CHURAWALA s.		Dikola Hill Fort	256 54 20
CHARIA s.		Salámi Tibba s.	57 37 53	Banera Palace	274 22 53
Hethiári s.	19 58 44	Hatia "	73 56 41	Sagatpura Building	285 34 20
Bikáner Temple	88 38 41	Gandi "	143 51 0	Banera Makbara	299 46 57
Bikáner "	89 9 3	Gandi House	169 49 33	Harnia h.s.	359 21 36
Bikáner Dome No. 1	92 39 41	Sauwála "	206 19 24	DARAOJI, LXXI	
Bikáner Dome No. 2	92 41 32	Chani Tree	240 31 29	Phalor House	43 40 0
Dholuo "	282 9 51	Saigdu "	302 44 37	Hariewála House	48 6 25
Sarsola "	333 4 17	Anúpsahar "	357 41 47	Mudki Temple	79 11 1
CHATIVIND s.		CHUR-TIBI, LIV		Jhandiána Dharmśála	82 54 2
Madiála s.	51 22 37	Ferozabad House	4 36 13	Khukrána House	107 16 58
Paráriwála "	121 56 46	Rániáh Temple	20 47 54	Talwandi House	114 14 52
Amritsar Minaret	162 37 29	Nigrána Mound	36 17 13	Sada Sing Fort	172 33 0
Mima "	298 10 52	Gora Tibbi s.	62 16 29	Dagru Thánah	196 58 48
Várpár "	352 56 35	Harni "	64 20 44	Salína House	209 39 26
CHICHLANA, XV		Ghandhar House	106 55 27	Kot Ise Khán House	210 7 30
Chitorgarh Hill Fort	18 36 1	Sádowáli No. 1	111 59 23	Janer House	227 51 17
Harnia h.s.	45 53 29	Risáliá House	144 24 1	Moga House	271 55 2
Pur Hill Temple	55 27 56	Khárián House	163 0 42	Chirak Fort	309 56 22
Pandal "	62 42 29	Bhagsar House	196 26 10	Bhága Purána Thánah	341 20 8
Arjá Hill Temple	69 19 52	Sohúwála Custom House	233 7 38	DARIA s.	
Banera Palace	87 8 35	Shekhopur House	244 59 22	Sauwál s.	58 10 36
Bámnia Tower	113 50 21	Bhuj Bhangu House	253 22 9	Sháhpur No. 1	110 23 53
Dikola Hill Fort	125 38 48	Khairáki House	267 22 35	Budaichima	183 24 52
Shaipura Palace	200 44 8	Názah Dalla Kalán House	269 8 7	Kot	254 20 17
Jáipur Hill Fort	254 52 21	Sarsa Kachahri	289 32 59	DAUD s.	
Chauleshwar Hill Temple	285 9 54	Sarsa Fort	290 44 45	Budaichima s.	56 41 46
Kachola Hill Temple	297 29 50	Sarsa Jail	291 38 43	Púroaj	213 24 19
Sagatpura Building	321 23 4	Sarsa Temple No. 1	292 31 25	Kumra	279 50 16
Jawal Hill Temple	326 56 50	Sarsa Temple No. 2	293 2 18	Kot	351 54 0
CHOLADA s.		Jaurki Mound No. 1	338 45 11	DEOGARH s.	
Bhel s.	136 29 31	Mauzudín House	351 43 50	Harwáni s.	0 33 55
Govindwál "	184 6 4	DALA No. 1 s.		Thoria "	19 4 57
Dúlowál "	223 12 34	Neshta s.	13 27 38	Shámpándi	35 54 22
CHOWINDA, LXXXIII		Vága "	65 32 35	Salámi Tibba	174 26 20
Fathipur House No. 2	29 56 31	Karánda "	303 6 31	Anúpsahar	223 55 12
Makhan-Vindi Fort	35 45 15	DALUWALA, LXXXIII		Kanjan "	299 39 3
Amritsar Bába Atal Minaret	56 5 56	Dagru Thánah	0 41 6	DEOLI, XCII	
Amritsar Rámgarh "	56 36 56	Sada Sing Fort	7 42 5	Zaffarwál House	25 29 52
Amritsar Bunga "	56 39 40	Zira House	72 56 28	Parel s.	125 36 19
Amritsar Bír Bhán's Temple	56 54 20	Mukhu Sarái	159 40 10	Ghamraula Temple	287 38 51
Amritsar Gurúdwára	57 12 19	Fathigarh House No. 1	215 9 12	DERA s.	
Amritsar Haveli	57 43 32	Kot Ise Khán House	288 13 40	Bijlowál s.	27 40 59
Amritsar Teja Sing's Temple	57 58 32	Janer House	313 41 16	Bhíkochak	93 40 57
Jagatpur House	61 53 28	Salína House	350 11 13	Pindi	269 12 40
Majítha House	115 49 11	DARAGARH, XX		Adhi "	323 43 53
Man House	166 48 29	Pandal h.s.	24 39 36	DHILAN, LXVIII	
Ghanía House	180 25 2	Jípiá Hill Pagoda	25 58 6	Sikanwála House	140 27 5
Batála Temple	234 18 38	Pur Hill Temple	26 46 39	Phalor "	195 54 45
Batála House	234 39 35	Mandal Minaret	48 37 6	Lungíána "	220 21 54
		Sánd Mátha Hill Temple	93 45 31	Bara Panchgráin House	221 53 3
		Daulatgarh Hill Temple	114 11 23		
		Daulatgarh Hill Fort	115 21 29		

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DHILAN, LXVIII		FATHIGARH s.		GILA s.	
Lande House 225 48 48	562	Jhundwála s. 176 30 11	807	Mirowál s. 59 22 19	1020
Mári Tomb 264 8 17	555	Makásir Mound 184 5 47	841	Bhaitawála Mahal 196 59 54	1057
Muláki House 272 53 28	559	Bhatner " 231 15 24	807	Sháhpur No. 1 " 258 18 12	1022
Thatti " 277 57 35	553			Sauwál " 297 29 27	1021
Bargarhi " 314 51 59	550	GANDI s.			
Jetu Tahsil 358 57 47	548	Salámi Tibba s. 16 35 7	754	GOGODOGUR s.	
		Hatia " 21 26 18	787	Aianagar s. 36 30 31	1004
DHIRI-KOT, LXXXI		Rámgarh, XLIX 89 2 53	758	Toti-Khokhar " 235 22 16	1006
Tarn Taran Minaret 39 40 43	609	Házira " 160 14 59	757	Ráni " 276 12 58	1005
Jandiála Gurúdwára 43 32 22	613	Sháhpuria " 197 1 38	756	Malakpur " 345 54 57	1004
Bundála Temple 50 34 52	611	Sauwála " 260 55 33	755		
Duburji Tower 101 34 49	615	Gandi House 278 19 12	792	GOJERI s.	
Amritsar Bába Atal Minaret 103 46 16	625	Churáwála " 323 48 44	754	Kallá, LXXIX 176 54 32	910
" Teja Sing's Temple 104 36 45	627			Fathiabad s. 240 57 16	906
" Rámgarh Minaret 104 39 16	629	GARINDA, XXXVI		Bhel " 304 27 51	905
" Bunga Minaret 104 47 20	637	Shehandan Rock N. Head 71 18 30	289	Sangatpúr, LXXVII 355 32 39	905
" Bir Bhán's Temple 106 27 15	617	Sand Hill No. 73 142 35 40	297		
Fathipur House No. 2 144 32 55	619	Sand Hill No. 71 161 10 28	293	GOKAL, XXI	
Makhan-Vindi Fort 158 18 6	621	Mandáwa Tower 221 18 55	295	Mátháji Kheri Hill Temple 36 49 25	178
Jagatpur House 167 35 23	623	Rasora Rock S. Head 230 13 12	307	Daulatgarh Hill Temple 49 24 29	175
Akalgada House 347 50 23	614	Jhunjhunu Hill Building 237 53 33	309	Daulatgarh Hill Fort 50 32 18	176
		Kála Tho Hill 287 5 29	286	Nowála Hill Temple 52 18 56	177
		Lachmangarh Hill Fort 357 57 11	288	Sánd Mátha Hill Temple 64 20 24	174
DHOLUO s.				Gidan Mátha Hill Temple 108 12 36	179
Tákhra s. 11 45 13	686	GAR-WALI, LIX		Gopi Chand Hill Temple 122 1 23	181
Sarsola " 66 12 58	686	Kalanwáli House 8 33 25	469	Rámgarh Hill Fort No. 2 179 30 18	161
Chária " 102 15 11	704	Pipli Custom House 47 20 59	463	Sakráni s. 223 30 12	163
Modia " 103 23 37	702	Hassu House 51 16 55	473		
Káli Thal " 278 57 18	688	Desu Jodha House 100 30 34	478	Banera Palace 318 55 22	154 & 155
Bánda " 324 11 11	687	Tikhánwála House 117 51 28	480	Banera Makbara 320 13 33	173
		Bági-ki-Tibbi s. 132 54 40	494		
DINAWAL s.		Malwal House 149 4 35	486	GOLWAR, LXXX	
Kallá, LXXIX 10 3 18	914	Raman House 154 26 50	492	Rasid Pindori s. 111 28 48	927
Khaba s. 110 36 16	919	Bari Bhangi Ruldúwála House 170 36 7	490	Várpár " 171 11 21	927
Pakhoka " 160 8 35	918	Talwandi Temple 235 5 15	488	Duburji Tower 203 34 48	615
Jandiála Fort 175 54 36	958	Malkána Dharmśála 264 39 38	475	Jandiála Gurúdwára 249 15 55	612
Tárágarh Turret 198 29 19	959	Mirjána House 299 18 4	471	Bundála Temple 259 44 17	610
Khakh " 240 11 36	916	Kewal House 323 12 47	477	Tarn Taran Gurúdwára Temple 343 50 29	607
Nagoka " 292 37 4	914				
DUGRA s.		GHAL s.		GOPALPURA h.s.	
Jalo s. 11 24 14	945	Piárána s. 104 52 41	865	Jili Hill Temple 43 13 45	723
Handu " 89 16 40	946	Sultán Khánwála " 155 29 23	864	Lakháriwála s. 99 0 37	691
Vága " 261 14 6	944	Karmúwála House 187 46 15	869	Bidásir House 149 51 58	728
Chápa " 314 40 6	944	Bariam Sing " 212 31 33	863	Hemánia " 150 22 0	691
		Naráyangarh House 220 55 48	867	Rándisir Hill Temple 217 47 12	725
DULOWAL s.		Sodiwála, LXXII 241 20 9	862	Rándisir h.s. 217 48 4	692
Choláda s. 43 14 23	909	Tamáláwála, LXX 331 28 33	862	Gúgá, XXXIII 287 4 36	693
Govindwál " 129 9 2	909			Sujágarh s. 296 42 56	733
		GIDARANWALA, LII		Ládno House 348 47 34	735
FATHIABAD s.		Sand Hill No. 1 12 3 19	379		
Bhel s. 12 12 40	906	Nigrána Mound 111 24 28	405	GORA TIBBI s.	
Gojeri " 60 59 22	906	Harni s. 113 17 1	799	Nigrána Mound 27 57 33	406
Kallá, LXXIX 129 55 33	910	Rániáh Temple 159 31 49	399	Gúkháwáli, LVI 191 26 26	404
Khandúr Temple 179 35 7	956	Gora Tibbi " 167 6 21	403	Chúr-Tibi, LIV 242 15 32	404
Kotli Mosque 195 51 55	957	Dhotar House 194 5 16	401	Sirsá, LIII 287 12 56	403
Nagoka " 202 20 44	912	Salárpur Mound 248 43 50	380	Gídaránwála, LII 347 5 29	403
Bhairowál " 239 11 0	911	Tomb No. 1 266 34 48	382		
Govindwál " 297 14 32	907	Mádhó Singhána House 304 36 2	385	GOVINDGARH FORT s.	
		Sand Hill No. 2 336 13 30	377	Paráiwála s. 27 2 45	930
FATHIGARH s.				Rámábgh " 233 0 44	931
Baropal Mound 31 26 38	844	GrLA s.		Amritsar Minaret " 294 6 2	930
BangaPili s. 61 32 28	809	Sárangda s. 1 37 7	1020		
Dulmánáh Mound 86 33 54	842				
Yálki " 128 5 0	808				

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GOVINDWAL s.	o' "	GUJAR SING-KA-KILA s.	o' "	HARNIA h.s.	o' "
Choláda s.	4 6 18	Majáng s.	46 27 30	Dikola Hill Fort	215 15 16
Bhel "	48 3 12	Lahor, Anárkali's Tomb	88 28 22	Chichláná, XV	225 47 36
Fathiabad "	117 15 49	Lahor, Artillery Mess	88 46 16	Amaldá, XIV	249 27 37
Bhairowál "	203 45 33	Lahor, Board's Office	89 10 42		
Dúlowál "	309 7 27	Lahor, Sonahri Mosque	132 0 10	HARWANI s.	
		Lahor, Wazír Khán's Mosque	138 47 9	Reni s.	64 25 52
GUDAH s.		Míra-di-kui s.	205 38 22	Shámpándi "	115 55 26
Sámbar Hill Temple	71 23 6	Budhu-ka-Ava "	244 27 2	Deogarh "	180 33 52
Kinsirrá, XXVIII	83 18 7	Bhagwánpur No. 3 "	251 49 15	Kanjan "	231 11 25
Náhargarh Hill	101 30 21	Míánmir's Tomb	317 30 43		
Pánchwá, XXXI	148 15 31	Míánmir House	326 21 18	HASTIWALA, LXXIV	
Márait Hill	167 6 56	Míánmir "	327 53 35	Mukhu Sarái	240 58 28
				Zíra House	319 54 29
GUDDHA, XXVII		GUKHAWALI, LVI		HATIA s.	
Nasirabad Temple	4 10 44	Khárián House	5 31 43	Salámi Tibba s.	0 10 12
Bir h.s.	9 30 34	Gora Tibbi s.	11 27 32	Gandi "	201 24 37
Balwanta "	36 56 28	Risália House	76 11 58	Chúrówála "	253 52 44
Ajmír Residency	76 17 46	Rámpura House	111 49 46	Bahádrah Gateway	261 49 13
Tárágarh S. Cupola	78 19 30	Kingrí House	152 58 30		
Tárágarh Idgáh	78 21 54	Sár Tibbi "	171 3 20	HAZIRA s.	
Ajmír Tomb	86 16 12	Pípli Custom House	188 31 4	Rámpuria House	5 19 27
Kondiáwás "	167 36 12	Kalanwáli House	222 19 57	Rámgarh, XLIX	37 43 56
Sámbar Hill Temple	203 44 25	Audh Custom House	224 31 35	Bánká, LI	114 49 14
Tonkro "	210 22 56	Lakarwála House	254 1 47	Darbah Tomb	203 32 57
Bihára Hill Building	217 58 59	Baila Tibbi "	269 56 57	Sháhpuria s.	274 9 39
Kisangarh Hill Fort	221 0 39	Roheránwáli House	272 48 48	Gandi "	340 13 40
Loárwára "	354 45 9	Gúdáh House	288 36 43		
		Sohúwála Custom House	312 59 38	HEMANIA s.	
GUGA, XXXIII		Shekhopur House	329 26 50	Lakháriwála s.	33 45 16
Jili Hill Temple	77 43 40	Bhagsar House	341 53 54	Káli Thal "	97 44 3
Ládno House	77 55 37			Rándísir Hill Temple	274 0 41
Sujángarh s.	98 57 3	GURDASPUR s.		Rándísir h.s.	274 1 31
Dúngrás Máta's Temple	101 35 0	Bhandiánwála s.	50 4 32	Gopálpura Hill Temple	330 17 25
Gopálpura h.s.	107 10 44	Lakhowála "	112 13 46	Gopálpura h.s.	330 18 58
Gopálpura Hill Temple	107 11 32			Bidásir House	330 55 13
Rándísir Hill Temple	160 33 35	GURHAGARH, XXVII (of N.W. Himalaya Series)		Dúngrás Máta's Temple	338 27 45
Rándísir h.s.	160 33 36	Parel s.	35 7 45	Dúngrás Ganesi's Temple	338 28 1
Muglúna Fort	248 15 23	Siálkot Church	74 19 21		
Raghunáthgarh Hill	271 35 9	Siálkot Chapel of Ease	75 11 8	HETHIARI s.	
Níchbo Fort	293 6 10			Pílwa s.	32 5 39
Rúpgarh Hill Fort	300 45 6	HANDU s.		Bikáner Temple	127 9 41
Shisham Hill Temple	302 35 30	Tára s.	40 44 4	Bikáner "	128 10 19
Kucháwan Temple	335 36 37	Lakhúder "	108 30 40	Bikáner Dome No. 1	132 28 14
		Dugra "	269 15 14	Bikáner " No. 2	132 29 32
GUGLA-BHAR, XXXVII		Jalo "	308 0 48	Bikáner Bastion	132 31 42
Fathipur House	18 24 9			Bikáner Flag-Staff	132 40 33
Sand Hill No. 73	46 13 53	HARNI s.		Modia "	194 42 18
Sand Hill No. 68	82 13 48	Baraj-ka-Tibbi s.	100 43 20	Chária "	199 56 58
Sand Hill No. 65	103 44 13	Nathohar "	148 55 7	Sarsola "	237 42 3
Rámgarh House	141 48 49	Sádowáli No. 1 "	186 55 27	Takhra "	288 37 20
Dehpálsir Temple	145 24 51	Ghandhar House	206 7 5	Samra Thal "	339 21 13
Sand Hill No. 58	147 28 49	Chúr-Tibí, LIV	244 15 58		
Chúru House	166 2 37	Gidaránwáli, LII	293 12 20	HUSHIARNAGAR s.	
Sand Hill No. 60 s.	175 12 47			Neshta s.	88 13 59
Basáu House	200 45 18	HARNIA h.s.		Karánda "	135 28 50
Rasora Rock S. Head	267 37 30	Pandal h.s.	134 37 38	Khásha "	217 47 14
Jhunjhunu Hill Building	268 51 30	Mandal Minaret	147 36 40	Phakna "	270 27 9
Mandáwa Tower	301 19 27	Jípia Hill Pagoda	152 25 39	JABDA, XIII	
		Bhilwára Pagoda	166 24 8	Ráwardhan Hill	37 24 19
GUGWANA s.		Dárágarh, XX	179 21 40	Mandalgarh S. Minaret	91 56 31
Múndwa h.s.	14 11 13			Mandalgarh N. Minaret	91 58 45
Nágaur s.	91 53 18			Mandalgarh Temple	93 5 49
Kátah h.s.	280 5 54				

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JABDA, XIII	" " "	JETGARH, XXV	" " "	KALARWALA s.	" " "
Mandalgarh s. 95 38 29	119	Nagwa h.s. 238 21 52	199	Charangwála s. 7 7 34	824
Chauleswar Hill Temple 147 30 41	128	Amargarh " 303 14 41	197	Mirjáhwála " 59 22 44	823
Badwa Hill 343 20 25	123	Samáil Hill Tower 344 37 56	209	Landa " 141 30 37	822
JAHMAN s.		Mukeria Hill Temple 354 33 49	222	Bháni Singwála " 175 38 49	822
Chatíanwáli Dome	900	JHUNDIWALA s.		KALA-THAL, L	
Luliáni s. 41 31 44	879	Bháni Singwála s. 47 1 10	819	Sand Hill No. 5 s. 30 51 56	373
Kána " 95 1 9	892	Maláwála " 106 0 1	818	Sand Hill No. 6 " 55 48 56	374
Thetar " 136 13 33	891	Raghunáthpura " 185 20 37	818	Sand Hill No. 1 " 171 35 0	378
Lahor Bádsháhi Masjid 140 44 10	895	JHUNDWALA s.		Sand Hill No. 2 " 266 55 13	376
Miánmir Church 141 38 34	897	Yálki s. 68 32 23	808	Rájpura House 300 58 22	370
Padhána s. 215 4 27	886	Liláwáli " 250 38 26	839	Gúga-ki-Madhi Tomb 315 53 33	368
Narli House 240 26 27	890	Mániksir " 263 36 36	806	Parlíki House 335 6 41	372
Súr Sing " 255 14 50	878	Bhatnér " 303 42 45	806	KALI THAL s.	
Watoha " 327 37 54	878	Makásir Mound 349 20 38	840	Bándi s. 44 19 27	688
JALO s.		Fathigarh " 356 29 55	807	Salúnd Flag " 91 10 44	718
Tára s. 87 59 21	947	KADERA, XVIII		Dholuo " 99 5 8	688
Handu " 128 2 2	946	Alamba Hill Temple 141 19 12	158	Hemánia " 277 38 16	690
Pasín Turret " 188 21 55	971	Naiki Hill 235 51 29	159	Churlo Hill Peak 318 52 57	719
Dugra " 191 24 2	945	Sáwar Hill Fort 286 4 45	147	Lakháriwála " 330 58 31	689
Jalo Turret 203 18 56	970	Shai Mátha Hill Temple 298 15 51	146	KALLA, LXXIX	
Chápa " 273 21 12	945	Jájpur Hill Fort 310 10 10	148	Kot Muhammad Khán House 4 13 16	604
Narwal Turret 275 28 48	972	KAHKA-KA s.	149	Tarn Taran Gurúdwára Temple 99 54 46	606
Maniára Bastion 312 31 25	973	Puránawála s. 35 37 36	1035	Tarn Taran Minaret 100 58 23	608
JAMBOLA h.s.		Nangli " 103 41 20	1035	Bundála Temple 157 27 26	610
Rágpúra, XXII 56 46 19	182	Pákho " 266 22 51	1037	Jandiála Gurúdwára 179 51 42	612
Rájarh, XXIV 182 20 49	183	Pálánangal " 325 33 34	1036	Dináwál s. 190 2 58	914
Sakráni Hill Temple 332 59 2	182	KAILA-VANDAR, LXI		Akalgada House 204 30 59	614
JANDAWALA s.		Raman House 10 53 7	492	Nagoka " 259 37 2	912
Kailá-Vándar, LXI 45 32 51	502	Bari Bhangi Ruldúwála House 26 46 17	491	Khoáspur House 307 48 35	605
Paká-Saráwá, LX 71 26 48	502	Tikhánwála House 40 29 52	481	Fathiabad " 309 53 17	910
Maihna, LXIII 170 48 46	503	Malwal House 78 27 17	487	Gojeri " 356 54 22	910
Jandúka House 232 50 31	515	Bági-ki-Tibbi s. 85 52 58	494	KAMALPUR s.	
Fathi-ka-kot House 240 52 48	517	Jaisingwála House 120 37 55	496	Kufra s. 45 43 10	1029
JANDOKI, LXXVIII		Bhatinda Gurúdwára 159 13 55	498	Púroaj " 117 7 15	1029
Patti Khás House 16 53 23	600	Bhatinda Temple 159 33 35	500	Kotli No. 3 " 186 26 5	1030
Maniálha s. 47 54 47	875	Jasi Bághwáli House 161 48 19	512	Kásowála " 226 56 18	1031
Jaura Shiwála 82 47 10	882	Bara Bhúchu House 203 9 57	510	KANA s.	
Súr Sing " 102 0 7	876	Jandáwála s. 225 32 17	502	Lahor Bádsháhi Masjid 167 8 34	896
Tarn Taran Minaret 200 1 32	608	Jandúka House 231 47 16	514	Miánmir Church 183 33 42	898
Tarn Taran Gurúdwára Temple 200 31 52	606	Fathi-ka-kot House 236 55 31	516	Thetar s. 236 34 31	893
Kot Muhammad Khán House 276 4 45	603	Talwandi Temple 318 44 7	489	Jáhman " 274 56 4	892
Naushera House 298 21 32	599	KAKKAR s.		Luliáni " 338 17 37	892
Sarháli House 334 51 23	601	Ráni s. 59 37 40	1007	KANJAN s.	
JAT, VI		Toti Khokhar " 101 26 21	1007	Malána Tibba 5 48 52	766
Rámgarh Hill Fort No. 1 165 33 35	114	Polandhi Korli " 155 33 58	1008	Unchal s. 13 20 3	743
Ratangarh Hill Fort 277 21 22	115	Sahadpur " 217 52 3	1009	Harwáni " 51 15 13	771
JETGARH, XXV		Manja Mosque 297 4 2	1051	Thoria " 52 32 14	743
Dwárka h.s. 19 34 16	193	KALA GURIA s.		Shámpándi " 75 18 11	767
Rás Hill Fort 76 32 47	218	Sirí, LXXXV 52 11 51	1059	Deogarh " 119 42 48	745
Shewri Hill Fort 135 36 51	219	Sháhpúr, LXXXVII 127 19 34	1059	Anúpsahr " 177 36 22	748
Ríah s. 165 54 45	223	Shaun s. 175 25 22	1060	Rámsira " 236 27 25	747
Indargarh Idgáh 215 44 14	225	Bhikáriwál " 219 27 38	1061	Bhagola House " 272 27 35	769
Nand Hill Temple 217 27 41	195			Khiáli " 282 48 49	746
Pokar N. Hill Temple 228 33 29	220			Morábhar " 326 44 53	744
Pokar Sáwitri Hill Temple 230 8 55	221			KANTOLA, XVII	
				Alamba Hill Temple 97 20 6	158
				Naiki Hill 191 1 8	159

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KARANDA s.	o' "	KHALWALA s.	o' "	KINSIRRA, XXVIII	o' "
Neshta s. 59 7 57	940	Anúgarh Fort 130 27 58	851	Tíratnáth s. 159 41 48	251
Dala No. 1 " 123 7 40	941	Maláwala s. 226 51 43	820	Dídwana Temple 167 17 29	255
Khásha " 269 39 47	939	Bháni Singwála " 301 5 43	820	Pánchwa Hill Fort 213 18 3	257
Hushiárnagar " 315 28 0	939	Landa " 329 25 22	821	Náhargarh Hill 232 54 58	261
				Máraut Hill 239 52 54	259
				Gúdáh " 263 6 38	246
KASOWALA s.		KHAMOR, XIX		Sámbar Hill Temple " 265 33 42	247
Kamálpur s. 46 57 37	1031	Arjáh Hill Temple 23 50 48	136	Bihára Hill Building 314 4 8	244
Kotli No. 3 " 131 40 16	1031	Dabla Bungalow 53 30 53	160		
Nangli " 199 1 53	1032	Rámgarh Hill Fort No. 2 124 49 43	161		
Puránawála " 271 10 30	1034	Sakráni Hill Temple 155 12 51	163	KISANPURA, XXVI	
		Binai Hill Fort 176 9 16	165	Mukeria Hill Temple 21 35 49	222
		Binai h.s. 178 39 50	167	Samáil Hill Tower 26 56 36	210
KASUR s.				Rás Hill Fort 50 7 58	218
Tháman s. 105 47 27	881			Shewri Hill Fort 55 21 53	219
Kasúr House 109 40 1	903	KHASHA s.		Siára Hill Temple 85 22 27	231
Luliáni " 164 29 30	880	Hushiárnagar s. 37 47 54	938	Riáh s. 96 59 8	223
Waltoha " 237 54 41	880	Karánda " 89 41 17	939	Mirta Temple 108 17 33	233
Khemkaran House 246 29 15	902	Bopára Turret 203 54 14	964		
		Kathánia " 260 48 53	937		
		Phakna " 319 53 41	937	Pálrí " 143 58 43	228 & 229
		Phakna (Bara) Turret 340 3 37	965		
KATHANIA s.				Pálrí Hill Fort 144 0 53	239
Phakna s. 29 31 36	936	KHIALI s.		Indargarh Idgáh 147 42 59	226
Khásha " 80 50 14	937	Morábhár s. 21 58 35	746	Sand Hill No. 77 151 27 48	235
Bopára Turret 134 59 3	964	Kishanpura House 64 28 10	778	Jánoji Hill Temple 153 50 36	237
Kánúpur Turret 253 0 13	962	Kanjan " 102 53 52	746	Ráwath Hill Temple 222 38 58	230
Dera Temple 267 33 7	961	Rámsira " 176 33 7	747	Kondiawás h.s. 230 54 15	213
Vadáli " 274 2 56	935	Lilís House 232 9 19	781	Pokar N. Hill Temple 286 6 53	220
Kotli No. 2 " 337 44 45	935	Rasálánia " 357 14 55	775	Tárágarh Idgáh 302 8 1	227
				Tárágarh S. Cupola 302 9 54	211
KATOH h.s.				Pokar Sáwitri Hill Temple 311 2 49	221
Rewat, XXIX 5 13 19	673				
Múndwa h.s. 79 18 1	674	KHIMUANA, LXV			
Gugwána s. 100 17 29	675	Bhokra House 40 3 13	531	KONDIAWAS, h.s.	
Kinsirrá, XXVIII 301 45 49	673	Bhokri House 56 52 36	527	Rájgarh, XXIV 16 10 42	213
		Chandbhán House 98 1 41	533	Kisanpurá, XXVI 51 0 15	213
		Jetu Taháil 127 23 57	547	Pálrí s. 97 11 28	228
KHABA s.		Dalsingwála Tower 142 50 8	539	Kájpura Hill 220 9 50	243
Búndála No. 1 s. 119 41 59	921	Dor House 182 17 3	543	Tonkro h.s. 279 55 50	240
Búndála No. 2 " 178 21 1	920	Ghunia House 202 10 57	545		
Pakhoka " 251 16 52	919	Kot Guru House 224 56 57	541	Kisangarh Hill Fort 310 25 35	241 & 242
Dináwál " 290 34 14	919	Mehráj House 289 16 18	530		
		Gobindpura House 357 14 21	529	Gúdhá, XXVII 347 34 50	214
KHAIRWALA, XLVIII					
Sand Hill No. 13 s. 16 13 10	361	KHOSLANA, XL		KOT s.	
Sand Hill No. 14 36 41 14	363	Sand Hill No. 55 39 18 51	322	Daria s. 74 21 30	1025
Sand Hill No. 6 115 48 34	374	Sand Hill No. 45 100 41 56	331	Budaichima " 120 45 11	1025
Sand Hill No. 5 " 127 32 38	373	Sand Hill No. 40 164 57 46	329	Dáúd " 171 54 11	1026
Rájpura House 210 52 48	369	Sand Hill No. 50 270 55 34	325	Kumra " 223 8 28	1027
Parlíki House 214 37 10	371	Sand Hill No. 52 291 40 47	323		
Gorakhnáth Temple 260 22 46	365	Sand Hill No. 53 322 40 20	320	KOTLI No. 1 s.	
Gúga-ki-Madhi Tomb 263 23 54	367			Pisiána s. 17 47 22	855
Sand Hill No. 10 296 52 33	358	KHURALI s.		Chotia House 45 30 43	858
Sand Hill No. 12 354 17 17	360	Chúli s. 183 42 13	678	Bhuliána " 75 45 13	856
		Nágaur " 243 53 57	677	Kotli House 102 32 44	860
KHAKH s.		Nágaur Minaret No. 1 243 54 13	697	Malan " 134 12 44	857
Dináwál s. 60 13 20	916	Nágaur Minaret No. 2 243 58 35	699	Chainewála House 207 16 19	536
Pakhoka " 97 53 30	918	Múndwa House 282 13 19	695	Ahmadwála, LXIV 289 41 26	855
Upál " 290 5 49	917	Múndwa h.s. 284 46 3	677		
Nagoka " 330 59 59	916			KOTLI No. 2 s.	
				Basarki Turret 12 19 5	963
KHAKKA, LXXXVIII		KINSIRRA, XXVIII		Phakna s. 103 17 29	936
Kotli No. 3 s. 26 17 40	1033	Siára Hill Temple 62 52 2	231	Kathánia " 157 45 19	935
Kanjrá House 239 9 9	656	Mirta Temple 66 40 18	233	Vadáli " 210 16 1	934
Dera Rába Nának House 307 36 32	654	Sand Hill No. 77 72 19 6	235	Khaparkhári Turret 236 36 56	960
Ratar-Chatar Khángáh 328 8 10	655	Jánoji Hill Temple 88 40 36	237	Sángna " 275 34 35	934
Nangli s. 337 27 19	1033	Kátoh h.s. 121 56 35	673		
		Kátoh Hill Temple 127 30 18	253		
		Kátoh Hill Tomb 129 25 13	249		

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KOTLI No. 3 s.	o ' "	LAKHUDER s.	o ' "	MAIHNA, LXIII	o ' "
Kamálpur s.	6 26 16	Bhagwánpur No. 2 s.	108 19 10	Bhokri House	166 7 0
Púroaj "	59 15 4	Búkulwán "	160 10 22	Gobindpura House	197 10 18
Khakká, LXXXVIII	206 16 51	Awan "	209 39 49	Mehráj House	240 49 6
Nangli "	245 45 0	Handu "	288 29 16	Bara Bhúchu House	258 38 22
Kásowála "	311 39 8	Tára "	342 2 27	Jandúka House	293 56 15
KUMRA s.		LANDA s.		Fathi-ka-kot House	323 39 50
Kot s.	43 9 32	Mirjáhwála s.	21 9 14	Jandáwála s.	350 47 59
Dáúd "	99 51 31	Khalwála "	149 27 39	MAILU-SAILU, LXXXIX	
Púroaj "	179 16 43	Bháni Singwála "	230 37 37	Kanjúr House	63 17 52
Kamálpur "	225 41 48	Mamiwála Tibbi "	314 58 38	Sankhatra House	110 27 12
KUNANDWALA, LXIX		Kalarwála "	321 28 34	Ghígían Mound	156 28 15
Thatti House	1 14 14	LILAWALI s.		Májra Mound	214 7 49
Muláki House	34 0 12	Bhatner s.	22 26 5	Shakargarh Mound	223 59 21
Dhilan House	58 7 12	Jhundwála "	70 43 7	Kalánúr House	337 54 47
Bara Panchgráin House	63 12 29	LULIANI s.		MAIRA DAS, XXXII	
Lande House	93 25 47	Tháman s.	53 40 1	Thaura Hill Temple	102 5 13
Phalor House	113 56 58	Kána "	158 19 21	Muglúna Fort	147 16 34
Hariewála House	135 46 36	Jáhman "	221 28 23	Kála Tho Hill	253 51 52
Lungíána House	170 47 18	Chatíánwáli Dome	241 58 10	Raghunáthgarh Hill	262 22 21
Moga House	218 4 9	Waltoha "	283 33 17	Deogarh Hill Fort	282 25 20
Chírak Fort	244 10 23	Khemkaran House	311 34 38	Harsnáth Hill Temple	291 55 57
Bhága Purána Thánah	245 39 26	Kasúr "	344 28 6	Rúpgarh Hill Fort	312 25 1
Bháki-Samádh House	300 55 18	Kasúr House	350 15 56	Shísham Hill Temple	325 48 48
Mári Tomb	331 13 5	LUNGI, XC		Korandi Hill	331 10 22
LAKARALA s.		Sankhatra House	15 31 24	Pánchwa Hill Fort	355 27 2
Bughia s.	36 58 16	Zaffarwál House	158 11 13	MAIRWALA s.	
Sardárpur "	243 32 27	Ghígían Mound	264 46 19	Arniwála House	29 13 41
Alwána "	335 11 50	Kanjúr House	335 35 22	Tomb No. 2	48 59 35
LAKARWALA, LXVII		MACHI-NANGAL, LXXXIV		Nitar Mosque	57 36 32
Ghunia House	2 5 33	Amritsar Bunga Minaret	6 23 7	Sarsa Temple No. 1	67 50 23
Dor House	24 58 3	Amritsar Rámgarh Minaret	6 26 21	Sirsá, LIII	67 55 20
Dalsingwála Tower	63 44 2	Amritsar Bába Atal Minaret	6 30 5	Sarsa Jail	69 9 22
Jetu Tahsil	65 55 43	Amritsar Teja Sing's Temple	8 17 52	Sarsa Kachahri	70 26 52
Bargarhi House	101 38 30	Mohan Bandára Fort	188 41 14	Sarsa Fort	70 31 24
Dhilan House	112 53 53	Fathigarh House No. 2	216 19 50	Sarsa Temple No. 2	70 41 49
Muláki House	138 44 48	Chítorgarh Fort	224 36 49	Názah Dalla Kalán House	121 19 50
Thatti House	172 36 58	Ghania House	246 55 44	Bhuj Bhangu House	129 11 55
Bhága Purána Thánah	195 45 6	MADIALA s.		Sawaipúr, LV	143 47 45
Mári Tomb	198 10 31	Sángna s.	115 33 32	Karár Kot House	168 16 23
Bháki-Samádh House	227 33 51	Paráriwála "	165 3 46	Darbi Custom House	235 18 41
Kot Guru House	323 54 24	Chátivind "	231 21 39	Shakar Sháhwála Mound	321 37 52
Nathána Mound	345 23 5	Várpár "	306 23 33	MAJANG s.	
LAKHARIWALA s.		Rasíd Pindori "	345 34 57	Ichra Temple	3 48 29
Bánda s.	99 6 51	MAGA BHATI s.		Lahor, Anárkali's Tomb	137 46 27
Káli Thal "	151 1 22	Nágaur Minaret No. 2	1 46 4	Lahor Board's Office	140 0 55
Hemánia "	213 42 20	Nágaur " No. 1	1 47 25	Lahor Artillery Mess	152 25 5
Gopálpura h.s.	278 54 39	Nágaur s.	2 40 13	Gújar Sing-ka-Kila s.	226 26 50
Dúngrás Ganesi's Temple	285 16 40	Chúli "	51 33 34	Míanmir's Tomb	274 30 43
Churlo Hill Peak	300 24 14	Uchlanga "	93 4 50	Míanmir Bastion	277 35 6
Jili Hill Temple	336 54 51	Samra Thal "	144 41 27	Míanmir "	280 0 47
LAKHOWALA s.		MAIHNA, LXIII		Míanmir House	301 31 3
Bhandiánwála s.	6 3 39	Jasi Bághwáli House	19 57 9	MAJIMA s.	
Núrpur "	95 46 57	Maháta Tower	26 54 47	Awána s.	44 54 11
Gurdáspur "	292 11 43	Bihman House	91 13 43	Rimidia "	99 14 29
Gurdáspur Kachahri	294 18 56	Síván Mound	116 18 27	Mirowál "	177 21 40
Gurdáspur Sarái	299 46 9	Bhokra House	152 38 9	Sárangda "	238 51 46
LAKHUDEE s.				MAKAR THAL, XLIII	
Bhagwánpur No. 1 s.	41 26 17			Sand Hill No. 36	27 54 6

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MAKAR THAL, XLIII	0 1 "	MANIALHA s.	0 1 "	MODIA s.	0 1 "
Bacháwás Tomb	58 34 24	Jandokí, LXXVIII	227 51 44	Hethiári s.	14 43 37
Sand Hill No. 25	110 50 58	Rabzá, LXXVI	302 3 20	Bíkáner "	87 26 23
Sand Hill No. 28	163 45 54			Bíkáner Bastion	90 51 52
Sand Hill No. 38	355 42 6	MANIKSIR s.		Bíkáner Dome No. 1	91 4 58
		Bhatner s.	35 38 46	Bíkáner Flag Staff	91 5 27
MALAKPUR s.		Jhundwála "	83 41 38	Bíkáner Dome No. 2	91 6 56
Awan s.	47 50 27	Basíhar "	274 45 43	Dholuo "	283 17 50
Aianagar "	101 49 24	Saregarh House "	275 30 46	Sarsola "	328 25 17
Gogodogur "	165 55 20	Kamria Temple	313 6 16		
Ráni "	213 14 21			MORABHAR s.	
		MATHA CHUL, XLIV		Sonábhar s.	8 48 14
MALAN s.		Sand Hill No. 32	56 48 2	Unchal "	68 34 22
Bhuliána s.	14 14 31	Sand Hill No. 22 s.	116 40 8	Malána Tibba "	104 2 27
Kotli No. 1 "	314 10 47	Sand Hill No. 23	129 25 49	Kanjan "	146 48 14
		Sand Hill No. 18	179 17 36	Kishanpura House	181 19 5
		Sand Hill No. 28	241 6 17	Khiáli "	201 56 53
MALAWALA s.				Bhagola House	208 19 4
Khalwála s.	46 55 8	MIADI s.		Rasálánia "	237 24 31
Anúppgarh Fort	92 56 21	Bálothaur s.	21 54 41	Rájgarh "	259 6 9
Bughia "	215 56 24	Aulia "	68 32 33	Nimbhar "	276 10 41
Raghunáthpura "	240 3 33	Chani "	281 5 16		
Jhundiwála "	285 54 54	Badála "	323 54 14	MORIA, XXXVIII	
Bháni Singwála "	354 3 11			Sand Hill No. 68	14 42 9
		MIANMIR s.		Sand Hill No. 65	70 23 13
MALKHERA, V		Ichra Temple	77 56 32	Sand Hill No. 55	145 47 22
Píplia Temple	28 18 8	Majáng s.	100 1 58	Sand Hill No. 53	191 36 7
Dinkar Hill Mark	189 18 4	Lahor, Anár Kali's Tomb	115 1 2	Sand Hill No. 58	199 44 29
		Lahor, Artillery Mess	118 31 20	Sand Hill No. 52	217 15 27
MAMIWALA TIBBI s.		Lahor, Sonahri Mosque	140 44 1	Chúru House	225 14 25
Landa s.	135 0 8	Gújar Sing-ka-kila s.	147 54 6	Sand Hill No. 60 s.	253 7 0
Bháni Singwála "	184 53 29	Budhu-ka-ava "	177 33 39	Rámgarh House	297 10 53
		Bhagwánpur No. 3 "	199 12 26	Sand Hill No. 71	327 37 18
MANDALGARH, XII		Miánmir Bastion	218 58 37		
Gangrúl Hill Fort	71 57 17			MOTOLI s.	
Burúndni Hill Mark	73 44 51	MIMA s.		Sadoli Sand Hill	84 10 14
Pur Hill Temple	99 22 22	Várpár s.	44 10 41	Muklánir s.	131 32 58
Arjáh Hill Temple	117 38 43	Chátivind "	118 12 3	Charangwála "	178 49 7
Jawal Hill Temple	149 14 16	Búndála No. 2 "	294 32 14		
		Búndála No. 1 "	343 34 33	MUKLANIR s.	
Chauleshwar Hill Temple	183 35 58			Sadoli Sand Hill	52 32 51
		MIRA-DI-KUI s.		Mirjáhwála s.	160 27 48
Kachola Hill Temple	191 25 40	Gújar Sing-ka-kila s.	25 38 44	Charangwála "	236 36 25
Amírgarh Hill Fort	202 11 50	Lahor, Wazír Khán's Mosque	76 26 51	Motoli "	311 30 51
Giloji Hill Temple	202 33 32	Lahor Temple	90 31 3		
		Lahor, Saman Burj	91 41 26	MUNDWA h.s. •	
MANDALGARH s.		Sháhdra Minaret	129 19 35	Khuráli s.	104 54 1
Nál, IX	45 12 20	Bhagwánpur No. 2 s.	199 12 46	Múndwa House	137 14 36
Jábdá, XIII	275 33 22	Bhagwánpur No. 1 "	266 51 57	Nágaur "	148 53 20
Mandalgarh Temple	312 44 55	Shálemár Garden	274 59 38	Gugwána "	194 10 6
Mandalgarh N. Minaret	329 28 52	Bhagwánpur No. 3 "	309 20 24	Kátóh h.s.	259 5 20
Mandalgarh S. Minaret	330 4 37			Rewat, XXIX	290 36 8
Arnaiá, X	332 49 50	MIRJAHWALA s.			
		Landa s.	201 7 21	NAGAUR s.	
MANDHIARI s.		Kalarwála "	239 18 48	Khuráli s.	63 59 7
Tilwandi s.	29 12 38	Charangwála "	304 30 55	Chúli "	127 46 41
Rimidia "	231 29 18	Muklánir "	340 26 30	Mága Bháti "	182 39 51
Awána "	276 18 55			Gugwána "	271 49 21
Pindia "	354 30 10	MIROWAL s.		Múndwa h.s.	328 50 32
		Rimidia s.	40 5 17	Múndwa House	330 23 16
MANIALHA s.		Gila "	239 21 8		
Waltoha s.	56 37 13	Sárangda "	304 47 57	NAGOKA s.	
Mukhi House	88 28 27	Májima "	357 21 36	Fathiabad s.	22 21 46
Súr Sing "	149 15 30			Kallá, LXXIX	79 40 20
Jaura Shiwála	215 33 31				

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NAGOKA s.	• ' "	PADHANA s.	° ' "	PANDAL h.s.	° ' "
Dinawál s. 112 40 2	914	Muni Alah House 129 6 52	894	Jípiá Hill Pagoda 200 43 52	171
Khakh " 151 1 13	916	Sarái Amánat Khán 236 41 15	887	Dárágarh, XX 204 37 52	157
Upál " 226 30 26	915	Chabhal House 266 8 11	888	Chiehláná, XV 242 34 52	156
Bhairowál " 317 11 14	913	Súr Sing s. 312 1 58	886	Bhilwára Pagoda 301 44 22	172
NAL, IX		Narli House 349 34 9	889	Harnia h.s. 314 35 52	156 & 157
Rámgarh Hill Fort No. 1 4 47 4	114	PAKA-SARAWA, LX		PARARIWALA s.	
Gangrúl Hill Fort • 97 33 20	120	Desu Jodha House 10 50 49	479	Sángna s. 42 9 10	932
Burúndni Hill Mark 176 40 7	121	Dabwáli Custom House 51 57 58	482	Vadáli " 103 39 15	933
Mandalgarh s. 225 8 2	118	Patrála House 72 42 7	484	Govindgarh Fort " 207 2 20	930
Bego Palace 309 21 18	117	Bauri House 106 41 27	504	Amritsar Minaret " 238 26 32	929
NANGLI s.		Gurúka House 150 48 40	506	Chátivind " 301 55 22	928
Kásowála s. 19 2 20	1032	Jaisingwála House 183 20 10	496	Madiála " 345 3 20	928
Kotli No. 3 " 65 46 15	1032	Bhatinda Gurúdwára 202 10 41	498	PHAKNA s.	
Khakká, LXXXVIII 157 27 45	1033	Bhatinda Temple 202 47 4	500	Phakna (Bara) Turret 49 49 53	965
Káhka-ka " 283 39 55	1035	Maháta Tower 220 36 34	508	Hushiárnagar s. 90 28 33	938
Puránawála " 330 53 15	1034	Malwal House 251 1 20	486	Khásha " 139 54 25	937
NAESIRRO, XLII		Jandawála s. 251 21 49	502	Kathánia " 209 30 59	936
Sand Hill No. 40 14 14 0	330	Bari Bhangi Buldwála House 281 1 43	490	Kotli No. 2 " 283 16 18	936
Sand Hill No. 45 41 23 18	331	Talwandi Temple 282 33 51	488	Basarki Turret 293 34 30	963
Sand Hill No. 32 128 58 10	340	Raman House 307 26 54	493	PIARANA s.	
Sand Hill No. 25 184 39 25	341	PAKHO s.		Walhúr s. 190 35 3	866
Bachawás Tomb 214 39 50	333	Pálánangal s. 20 33 22	1037	Sultán Khánwála " 226 22 48	865
Sand Hill No. 36 262 7 38	335	Káhka-ka " 86 24 20	1037	Ugoki House 235 26 45	874
Sand Hill No. 38 274 24 29	337	Aulia " 243 35 42	1039	Feroz Sháh House 274 30 50	872
Sand Hill No. 47 348 23 12	328	Sádowáli No. 2 " 312 41 53	1038	Ghal " 284 49 44	865
NATHOHAR s.		Pákho Building 329 55 45	1058	PILWA s.	
Baraj-ka-Tibbi • s. 56 35 7	802	PAKHOKA s.		Bíkánér Temple 171 4 51	705
Náiwála House 72 18 9	829	Khaba s. 71 18 26	919	Hethiári s. 212 1 16	683
Basíhar " 102 43 28	803	Búndála No. 2 " 120 8 57	920	Samra Thal " 276 23 9	682
Sádowáli No. 1 " 260 44 31	801	Jandiála Fort 191 31 11	958	Uchlanga " 324 22 6	682
Ghandhar House 274 59 32	828	Tarágarh Turret 230 18 10	959	PINDI s.	
Harni " 328 52 57	801	Khakh " 277 51 18	918	Adhi s. 10 31 58	1049
NESHITA s.		Dinawál " 340 8 7	918	Dera " 89 13 42	1049
Chápa s. 75 12 22	943	PALANANGAL s.		Sháhpur No. 2. " 297 20 47	1050
Vága " 111 44 2	942	Puránawála s. 103 52 23	1036	PINDIA s.	
Rája Shám Sing's Garden 134 47 16	966	Káhka-ka " 145 34 30	1036	Vára s. 29 57 9	1013
Rája Chatar Sing's Garden 159 41 30	967	Pákho " 200 32 49	1037	Tilwandi " 88 15 43	1013
Dala No. 1 s. 193 27 14	941	Sádowáli No. 2 " 243 25 17	1038	Mandhiári " 154 30 44	1014
Karánda " 239 6 24	940	PALRI s.		Awána " 218 12 4	1015
Hushiárnagar " 268 11 36	940	Ríah s. 21 49 1	229	PIPABHAR s.	
NIMBHAR s.		Kondiawás h.s. 277 0 51	228	Randáliá, XXXIX 47 13 29	738
Morábhár s. 96 13 31	776	Ráwath Hill Temple 306 42 11	230	Sand Hill No. 74 107 16 48	760
Rájgarh " 109 12 48	780	Kisanpúrá, XXVI	228 & 229	Rám Thal, XLI 121 50 25	738
Rasalánia " 143 28 41	776	323 54 11		Rájpura House 173 1 40	762
NURPUR s.		PANCHWA, XXXI		Unchal s. 182 23 55	739
Bhikáriwál s. 10 46 11	1062	Náhargarh Hill 19 54 33	262	Sonábhár " 245 29 41	741
Shaun " 68 28 25	1062	Kinsirra Hill Temple 33 5 16	264	Mulsíra House 294 27 43	764
Lakhowála " 275 44 32	1064	Kucháwan Temple 42 31 59	267	PIPLI, LVIII	
Gurdáspur Kachahri 284 52 1	1066	Kátch Hill Temple 89 7 48	254	Rámpura House 37 42 47	460
Gurdáspur Sarái 287 18 12	1068	Tirathnáth s. 107 22 31	252	Kingri House 44 42 19	466
Bhandiánwála " 325 21 54	1063	Níchbo Fort 159 5 13	265	Dabwáli Custom House 125 28 13	482
PADHANA s.		Deogarh Hill Fort 215 57 13	277	Sár Tibbi s. 134 35 51	459
Jáhman s. 35 7 18	886	Harsnáth Hill Temple 218 8 1	279	Patrála House 142 44 35	484
Thetar " 70 28 39	891	Korandi Hill 239 0 34	274		
Miánmir Church 103 27 48	897	Márait Hill 311 54 8	259		
Lahor Bádsháhi Masjid 113 36 58	895	Gúdáh " 328 10 21	246		
		Bihára Hill Building 357 39 54	245		

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PIPLI, LVIII	0 1 "	RAGPURA, XXII	0 1 "	RAM THAL, XLI	0 1 "
Desu Jodha House	161 17 31	Binai Hill Fort	274 43 53	Sand Hill No. 52	0 3 16
Tikhánwála House	197 21 9	Binai Temple	275 41 20	Sand Hill No. 47	69 12 38
Hassu House	242 30 18	Nagola Fort	279 26 8	Sand Hill No. 45	77 3 51
Malkána Dharmśála	244 39 38	Sakráni Hill Temple	299 16 32	Sand Hill No. 40	97 49 56
Kewal House	270 36 41			Sand Hill No. 32	126 48 9
Kalanwáli House	291 49 20	RAJGARH, XXIV		Bacháwás Tomb	141 20 34
Audh Custom House	346 57 38	Jámbola h.s.	2 21 2	Sand Hill No. 36	164 55 52
		Masúda Palace	21 25 26	Thoria	183 43 58
PISIANA s.		Masúda	24 16 50	Sand Hill No. 38	207 28 20
Chotia House	106 23 6	Amargarh	46 14 53	Unchal	242 7 25
Bhulíána s.	133 18 21	Dwárka	60 17 38	Rájpura House	249 57 23
Kotli House	189 30 23	Samáil Hill Tower	73 51 55	Pipábhár	301 45 58
Kotli No. 1	197 46 36	Nand Hill Temple	146 53 54	Sand Hill No. 50	326 37 18
Ahmadwála, LXIV	238 0 48	Nagwa	153 59 40		
Thiuná, LXII	333 59 3	Tarágarh S. Cupola	187 53 56	RANDALIA, XXXIX	
Baluwána House	350 38 3	Kondiáwás	196 7 27	Sand Hill No. 60	18 21 19
		Ajmir Residency	200 36 56	Dehpálsir Temple	57 47 43
POLANDHI KORLI s.		Ajmir Tomb	201 1 5	Sand Hill No. 58	83 58 24
Toti-Khokhar	51 28 42	Balwanta	228 10 10	Chúru House	94 1 37
Auliápur	201 13 55	Bír	230 20 38	Sand Hill No. 55	95 45 31
Sahápur	262 7 42	Nasirabad Wind-mill	268 44 7	Sand Hill No. 53	125 37 22
Manja Mosque	318 33 50	Nasirabad Temple	270 41 48	Sand Hill No. 47	142 39 35
Kakkár	335 33 32	Loárwára	285 21 21	Sand Hill No. 74	167 37 56
Kakkár Turret	341 43 35	Binai	324 30 27	Sand Hill No. 50	196 57 25
		Binai Hill Fort	328 1 6	Pipábhár	227 9 45
PURANAWALA s.		Niára Tower	331 0 36	Jhunjhunu Hill Building	298 38 10
Kásowála	91 11 40	Binai Temple	334 9 38	Rasora Rock S. Head	304 57 4
Nangli	150 53 58	Nasúr Tower	358 4 24	Basáu House	323 4 21
Káhka-ka	215 36 54				
Pálánangal	283 50 45	RAJGARH s.		RANDISIR h.s.	
		Morábhár	79 7 24	Sujángarh	9 56 18
PURAOJ s.		Rasálánia	209 58 52	Gopálpura Hill Temple	37 50 50
Dáúd	33 25 32	Nimbhár	289 11 13	Gopálpura	37 51 49
Kotli No. 3	239 13 29			Dúngrás Ganesi's Temple	40 11 58
Kamálpur	297 5 51	RAMBAGH s.		Dúngrás Mátá's Temple	40 12 28
Kumra	359 16 41	Amritsar Minaret	2 25 57	Bidásir House	70 23 22
		Govindgarh Fort	53 1 18	Hemánia	94 8 18
RABZA, LXXXVI				Ratangarh Fort	209 51 41
Maniálha	122 6 52	RAMDAS, LXXXVI		Birámsir, XXXV	237 10 23
Patti Khás House	138 41 47	Mohan Bandára Fort	4 47 53	Gúgá, XXXIII	340 31 13
Naushera House	201 4 41	Ratar-Chatar Khángáh	219 21 45		
Sarháli House	211 2 52	Dera Bába Nának House	230 49 29	RANGARRI, XLV	
		Sháhpur House	265 37 29	Sand Hill No. 28	1 42 12
RAGHUNATHPURA s.		Dihánpur House	285 25 12	Sand Hill No. 25	31 9 38
Jhundiwála	5 21 3	Chitorgarh Fort	337 2 59	Sand Hill No. 22	58 39 25
Maláwála	60 9 6	Fathigarh House No. 2	343 16 1	Sand Hill No. 20	77 21 42
Bughia	168 13 37			Sand Hill No. 18	109 18 50
Alwána	215 37 20	RAMGARH, XLIX		Sand Hill No. 17	146 53 27
		Parlíki House	94 44 11	Sand Hill No. 16	152 7 4
RAGPURA, XXII		Rájpura House	138 16 59		
Rámgarh Hill Fort No. 2	12 37 55	Sand Hill No. 2	156 26 7	RANG MAHAL s.	
Gopichand Hill Temple	41 6 49	Házira	217 41 0	Súratgarh	75 48 5
Gídan Mátha Hill Temple	41 48 52	Rámpuria House	227 56 52	Alwána	101 47 3
Dwárka h.s.	101 23 12	Gandi	268 58 38	Sardápur	148 46 35
Nand Hill Temple	178 21 47	Gorakhnáth Temple	320 46 6	Amrwála	183 41 34
Amargarh	182 47 30			Laskarwála House	191 53 32
Nagwa	187 31 16	RAMSIRA s.		Banga Pili	227 20 18
Masúda	215 51 25	Kanjan	56 32 13	Baropal Mound	250 14 13
Nasúr Tower	216 42 34	Dháka Tibba	112 5 3		
Nasirabad Wind-mill	225 28 7	Anúpsahar	117 20 7	RANJITGARH, XCV	
Niára Tower	229 2 48	Saindu	169 51 36	Siálkot R. C. Chapel	31 17 43
Masúda Palace	229 9 36	Gudráh Tibba	182 34 3	Siálkot Shiwála	33 26 6
Jámbola	236 43 21	Lilás House	286 43 42	Siálkot Church	35 22 11
Binai	271 39 45	Bhagola House	339 24 15	Siálkot Chapel of Ease	44 11 46
		Khiáli	356 32 52		

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RANI s.	° 4 "	RURKI, XCIV	° 1 "	SAND HILL No. 60 s.	° 1 "
Malakpur s.	33 15 17	Siálkot Chapel of Ease	122 3 4	Moria, XXXVIII	73 10 54
Gogodogur "	96 14 17	Siálkot Church	124 0 42	Randáliá, XXXIX	198 20 50
Toti-Khokhar "	171 15 10	Siálkot R.C. Chapel	124 50 54	Basáu House	280 25 40
Kakkar "	239 36 30			Gúglá-Bhar, XXXVII	355 12 26
RASALANIA s.		SADOWALI No. 1 s.		SANGATPUR, LXXVII	
Rájgarh s.	29 59 23	Harni s.	6 55 56	Sarháli House	80 34 6
Morábhar "	57 26 17	Nathohar "	80 47 10	Naushera House	121 49 24
Kishanpura House	142 1 9	Chúr-Tibí, LIV	291 55 6	Kot Muhammad Khán House	166 32 19
Khiáli "	177 14 59			Gojери s.	175 32 49
Nimbhar "	323 27 37	SADOWALI No. 2 s.		Khoáspur House	209 1 5
RASID PINDORI s.		Pálanangal s.	63 26 40	Bhel "	233 57 7
Madiála s.	165 35 13	Pákho Building	128 36 7	Sultánpur E. Minaret	300 40 22
Várpár "	259 11 39	Pákho "	132 42 43	Sultánpur W. Minaret	300 42 33
Golwar, LXXX	291 27 49	Aulia "	204 47 18		
		Bálothaur "	247 10 8	SANGNA s.	
RENI s.				Kotli No. 2 s.	95 36 10
Thoria s.	34 28 58	SAHADPUR s.		Vadáli "	149 29 8
Shámpándi "	155 50 7	Kakkar Turret	23 0 46	Paráriwála "	222 8 15
Harwáni "	244 24 7	Kakkar s.	37 52 58	Madiála "	295 32 11
		Polandhi Korli "	82 9 3		
REWAT, XXIX		Auliápur "	143 53 41	SARANGDA s.	
Riáh s.	5 23 40	Vára "	194 32 8	Májima s.	58 52 50
Mirta Temple	41 32 35	Philowál Turret	292 36 15	Mirowál "	124 49 5
Siára Hill Temple	48 28 48			Dafarwál W. Turret	142 57 23
Múndwa h.s.	110 48 8	SAINDU s.		Gila "	181 37 4
Kátoh "	185 12 41	Dháka Tibba	42 25 36	Sauwál "	245 24 39
Kátoh Hill Tomb	193 31 5	Anúshahr s.	59 42 12	Bilarwál Turret	273 46 1
Tírathnáth s.	205 53 38	Chúrówála "	122 48 58		
Kinsirra Hill Temple	268 35 44	Chani Tree	167 7 36	SARDARPUR s.	
Sand Hill No. 77	341 14 3	Gudráh Tibba	320 54 7	Alwána s.	29 4 47
Pátri Hill Fort	347 48 19	Rámsira "	349 50 44	Lakarála "	63 36 9
				Amrwála "	247 2 5
RIAH s.		SALAMI TIBBA s.		Rang Mahal "	328 43 3
Rewat, XXIX	185 22 42	Hatia s.	180 10 12	SAR TIBBI s.	
Pátri s.	201 46 48	Gandi "	196 33 26	Kingri House	14 35 27
Indargarh Idgáh	274 37 54	Bahádráh Gateway	237 4 43	Rámpura House	21 59 28
Kisanpúrá, XXVI	276 52 28	Chúrówála "	237 33 56	Dabwáli Custom House	122 20 4
Jetgarh, XXV	345 52 57	Anúshahr "	303 29 57	Tiloká, LVII	295 38 53
		Deogarh "	354 25 43	Piplí, LVIII	314 34 57
RIMIDIA s.				Gúkháwáli, LVI	351 2 29
Mandhiári s.	51 30 29	SAMRA THAL s.			
Mirowál "	220 4 14	Uchlanga s.	37 43 3	SARSOLA s.	
Májima "	279 13 22	Pilwa "	96 30 25	Hethiári s.	57 45 16
Awána "	349 3 37	Hethiári "	159 24 9	Bikáner Bastion	109 38 40
		Mákhra "	206 58 54	Bikáner Flag Staff	109 48 4
RUKHNAWALA, LXXV		Mága Bháti "	324 38 1	Modia "	148 27 11
Mukhu Sarái	52 56 35	SAND HILL No. 5 s.		Chária "	153 5 44
Sultánpur W. Minaret	239 48 36	Sand Hill No. 6	104 49 8	Dholuo "	246 9 5
Sultánpur E. Minaret	239 49 43	Kálá-Thal, L	210 49 23	Tákhra "	326 26 41
Fathigarh House No. 1	325 41 14	Khairwála, XLVIII	307 30 35	SAUWAL s.	
				Bilarwál Turret	44 0 53
RUPOARA, IV		SAND HILL No. 13 s.		Sarangda s.	65 26 12
Binautha Hill Temple	70 54 19	Sand Hill No. 14	120 46 47	Dafarwál W. Turret	102 31 26
Dinkar Hill Mark	254 11 11	Khairwála, XLVIII	196 11 45	Gila "	117 30 57
Lasúr Hill Fort	294 40 56	Siái, XLVII	263 49 1	Bhaitáwála Mahal	144 59 3
Rupoára Hill Pagoda	307 10 15	Bádalgarh, XLVI	303 41 33	Sháhpur No. 1	188 36 56
Piplia Temple	318 7 32			Daria "	238 9 25
		SAND HILL No. 22 s.		SAUWALA s.	
RURKI, XCIV		Sand Hill No. 23	134 33 31	Chúrówála s.	26 21 18
Siálkot Shiwála	112 45 44	Bádalgarh, XLVI	184 27 43		
		Rangarri, XLV	238 34 49		
		Máthá Chúl, XLIV	296 38 52		

AZIMUTHS OF SECONDARY POINTS.

Name of station with azimuths of surrounding points	Reference to triangle containing distance	Name of station with azimuths of surrounding points	Reference to triangle containing distance	Name of station with azimuths of surrounding points	Reference to triangle containing distance
SAUWALA s.		SHAMPANDI s.		SODIWALA, LXXII	
Gandi House	68 56 20	Harwáni s.	295 52 42	Sada Sing Fort	298 20 59 583
Gandi	80 59 43	Reni	335 49 8	Dagru Thánah	307 7 9 585
Sháhpuria	132 53 55	Thoria	351 41 30	Khukrána House	332 5 35 576
Jándwála House	173 18 57			Jhandiána Dharmśála	351 24 18 581
Chani Tree	322 51 8			Talwandi House	357 46 6 580
SAWAIPUR, LV		SHAUN s.			
Sarsa Kachahri	4 34 53	Sháhpúr, LXXXVII	73 7 27		
Sarsa Fort	6 57 52	Núrpur s.	248 26 1	SONABHAR s.	
Sarsa Jail	7 7 52	Bhikáriwál	308 5 47	Mulsíra House	8 6 25 764
Sarsa Temple No. 1	7 16 3	Kála Guria	355 25 5	Pípábhár s.	65 34 11 741
Sarsa Temple No. 2	11 3 1			Unchal	126 42 37 741
Khairáki House	29 32 8	SIAM, XLVII		Morábhár	188 47 24 742
Dhotar House	59 2 40	Sand Hill No. 17	35 19 6		
Shekhopur House	72 39 45	Sand Hill " 20	40 43 47	SUJANGARH s.	
Khárián House	77 22 22	Sand Hill " 18	56 53 28	Ládno House	50 4 5 736
Bhagsar House	99 25 59	Sand Hill " 16	76 18 20	Gopálpura	h.s. 116 45 37 733
Roheránwáli House	127 54 0	Sand Hill " 13	83 55 58	Rándisir s.	189 55 14 733
Gúdáh House	139 24 28	Sand Hill " 14	91 9 58	Gúgá, XXXIII	278 53 36 734
Lakarwála House	154 4 30	Sand Hill " 12	98 51 17		
Baila Tibbi	202 22 41	Sand Hill " 10	133 58 5	SULTAN KHANWALA s.	
Phaggu Tower	206 39 9	Gúga-ki-Madhi Tomb	179 36 32	Ugoki House	35 59 5 873
Thiraj Dharmśála	218 58 34	Gorakhnáth Temple	182 1 27	Píarána s.	46 24 37 865
Dáu Mound	237 39 30			Walhúr	101 29 27 866
Dudhál Tahsíl	255 28 9	SIRI, LXXXV		Bariam Sing	273 39 24 864
Krár Kot House	295 30 44	Majitha House	42 0 6	Ghal	335 28 15 864
Darbi Custom House	312 11 53	Ghanía House	48 29 22	Feroz Sháh House	347 12 33 871
Shakar Sháhwála Mound	323 8 2	Man House	60 14 51		
Mairwála s.	323 45 32	Mohan Bandára Fort	79 53 0	SURATGARH s.	
		Chítorgarh Fort	81 20 31	Alwána s.	109 46 8 850
		Fathigarh House No. 2	83 44 20	Rang Mahal	255 46 36 850
		Dihánpur House	173 11 32		
SHAHPUR, LXXXVII		Kalánúr House	204 33 5	SUR SING s.	
Dihánpur House	9 55 24	Kála Guria s.	232 8 1	Waltoha s.	18 34 18 877
Sháhpur House	47 58 6	Batála House	301 49 46	Jáhman	75 20 36 878
Dera Bába Nának House	97 37 46	Batála Temple	302 51 3	Narli House	98 14 48 889
Shaun s.	253 4 21			Padhána	132 4 53 886
Kalánúr House	284 12 43	SIRSA, LIII		Sarái Amánat Khán	170 1 57 887
Kála Guria	307 16 11	Nitar Mosque	26 44 56	Chabhal House	218 9 4 888
		Tomb No. 1.	28 41 10	Jandoki, LXXVIII	281 54 43 876
SHAHPUR No. 1 s.		Mádho Singhána House	38 16 3	Jaura Shiwála	287 4 11 883
Sauwál s.	8 37 6	Mauzudín House	59 25 10	Maniálha	329 13 9 876
Gila	78 19 52	Salárpur Mound	59 26 37	Mukhi House	352 15 44 884
Budaichima	239 12 25	Jaurki Mound No. 1	63 5 3		
Daria	290 22 52	Ferozabad House	72 28 44	TAKHRA s.	
		Rániáh Temple	89 52 51	Samra Thal s.	27 1 51 684
SHAHPUR, No. 2 s.		Gora Tibbi s.	107 18 28	Hethiári	108 43 14 684
Adhi s.	52 48 33	Dhotar House	111 43 37	Sarsola	146 29 22 685
Pindi	117 21 33	Khairáki House	176 17 35	Dholuo	191 44 1 686
		Bhuj Bhangu House	183 28 15	Salúnd Flag	226 50 8 717
SHAHPURIA s.		Názah Dalla Kalán House	212 6 15	Bándi	265 19 50 687
Gandi s.	17 2 43	Krár Kot House	217 43 39		
Rámpuria House	67 0 21	Darbi Custom House	245 32 5	TAMALAWALA, LXX	
Házira	94 12 3	Mairwála s.	247 52 12	Sikanwála House	23 43 58 566
Darbah Tomb	155 22 19	Shakar Sháhwála Mound	268 52 40	Ghal s.	151 30 49 862
Jándwála House	280 30 17	Tomb No. 2.	333 45 31	Mudki Temple	177 13 38 577
Sauwála	312 50 50	Arniwála House	345 24 9	Talwandi House	199 8 21 579
				Jhandiána Dharmśála	224 46 52 581
SHAHUD s.		SODIWALA, LXXII		Khukrána House	225 30 28 575
Badála s.	90 59 35	Mudki Temple	15 39 0	Hariewála House	281 48 10 574
Chani	142 10 52	Ghal s.	61 23 41	Lungíána House	283 8 34 567
Bijlowál	220 34 39	Naráyengarh House	73 56 56	Lande House	314 29 45 563
		Karnúwála House	90 53 27	Bara Panchgráin House	349 25 11 569
SHAMPANDI s.		Bariam Sing	101 14 28		
Deogarh s.	215 51 35	Zira House	226 39 23	TARA s.	
Kanjan	255 11 39	Salína House	292 1 59	Bhagwánpur No. 1 s.	124 55 28 949

GURHAGARH MERIDIONAL SERIES—SECONDARY TRIANGULATION.

Name of station with azimuths of surrounding points	Reference to triangle containing distance	Name of station with azimuths of surrounding points	Reference to triangle containing distance	Name of station with azimuths of surrounding points	Reference to triangle containing distance
TARA s.	0 1 "	TILOKA, LVII	0 1 "	UPAL s.	0 1 "
Lakhúder s.	162 2 56	Kewal House	198 0 48	Nagoka s.	46 31 47
Tájgarh Temple	215 35 47	Mirjána House	243 53 2	Khakh "	110 8 24
Handu "	220 43 9	Phaggu Tower	295 12 43		
Jalo "	267 57 12	Dáu Mound	297 16 3	VADALI s.	
		Dudhál Tahsíl	303 58 17	Kotli No. 2 s.	30 16 46
THAMAN s.		Thíraj Dharmśála	317 4 40	Kathánia "	94 4 15
Luliáni s.	233 35 28	Baila Tibbi s.	323 37 6	Dera Temple	100 12 29
Kasúr House	285 16 18			Kánúpur Turret	219 35 2
Kasúr "	285 41 30	TILWANDI s.		Paráriwála "	283 37 30
		Auliápur s.	24 15 16	Sánga "	329 28 18
THETAR s.		Auliápur Nawa Turret	52 10 9	Khaparkhári Turret	351 33 19
Kána s.	56 37 22	Mandhiári s.	209 11 57		
Muni Alah House	213 49 27	Pindia "	268 14 28	VAGA s.	
Padhána "	250 23 34	Philowál Turret	328 29 53	Chápa s.	27 13 49
Jáhman "	316 11 19	Vára "	331 12 48	Þugra "	81 15 52
				Kanjari-ka-Pul	177 0 52
THRATHNATH, XXX		TIRATHNATH s.		Dala No. 1	245 30 26
Jánoji Hill Temple	25 59 57	Rewat, XXIX	26 0 2	Rája Chatar Sing's Garden	257 27 57
Kátóh Hill Tomb	40 32 15	Dídwana Temple	217 45 11	Rája Shám Sing's Garden	264 30 20
Kátóh Hill Temple	62 41 7	Pánchwa, XXXI	287 11 15	Rája Shám Sing's Atári	274 51 53
Thaura Hill Temple	190 30 13	Kinsírrá, XXVIII	339 36 51	Neshta s.	291 42 17
Didwána Temple	217 39 50				
Nichbo Fort	217 58 49	TONKRO h.s.		VARA s.	
Shísham Hill Temple	257 42 11	Kisangarh Hill Fort	14 23 7	Sahadpur s.	14 32 27
Rúpgarh Hill Fort	267 15 30	Gúdhá, XXVII	30 26 6	Auliápur "	84 20 28
Korandi Hill	273 54 57	Kondiáwás h.s.	100 0 22	Auliápur Nawa Turret	119 18 33
Pánchwa Hill Fort	288 5 47	Kájapura Hill	152 40 22	Tilwandi "	151 13 24
Kucháwan Temple	301 24 3			Pindia "	209 56 30
Kinsirra Hill Temple	339 38 9	TOTI-KHOKHAR s.			
		Gogodogur s.	55 23 26	VARPAR s.	
THIUNA, LXII		Polandhi Korli "	231 27 49	Rasíd Pindori s.	79 12 33
Gurúka House	12 56 9	Kakkar "	281 25 2	Madiála "	126 24 43
Patrála House	22 18 3	Ráni "	351 15 1	Chátivind "	172 56 47
Bauri House	28 26 43			Mima "	224 9 42
Baluwána House	139 54 44	TUNG, LXXXII		Búndála No. 1	291 11 51
Pisiána s.	154 0 53	Amritsar Bir Bhán's Temple	34 30 35	Golwar, LXXX	351 11 16
Bihman House	197 21 47	Amritsar Gurúdwára	38 57 7		
Siváni Mound	212 43 43	Amritsar Haveli	41 51 18	WALHUR s.	
Bhatinda Gurúdwára	247 38 40	Bhatítha House	201 20 1	Piárána s.	10 35 26
Bhatinda Temple	248 49 8	Jagatpur House	242 51 18	Sultán Khánwála "	281 28 1
Bara Bhúchu House	253 33 9	Makhan-Vindi Fort	262 32 57	Ugoki House	329 18 9
Jasi Bághwáli House	277 52 21	Fathipur House No. 2	280 44 46		
Maháta Tower	309 45 44	Duburji Tower	331 14 5	WALTOHA s.	
Jaisingwála House	324 45 43			Khemkaran House	49 56 1
Bági-ki-Tibbi "	358 30 50	UCHLANGA s.		Kasúr s.	58 0 5
		Pilwa s.	144 25 56	Luliáni "	103 40 5
THORIA s.		Samra Thal "	217 39 37	Chatiánwáli Dome	129 14 1
Rám Thal, XLI	3 44 18	Mága Bháti "	272 57 58	Jáhman "	147 41 21
Shámpándi s.	171 41 56	Chúli "	339 20 24	Súr Sing "	198 31 59
Deogarh "	199 2 36			Mukhi House	223 30 38
Reni "	214 28 25	UNCHAL s.		Maniálha "	236 32 33
Kanjan "	232 26 8	Pipábhár s.	2 24 9		
Unchal "	300 4 55	Rájpura House	35 21 50	YALKI s.	
		Sand Hill No. 74	53 37 1	Banga Pili s.	1 38 6
TILOKA, LVII		Rám Thal, XLI	62 12 6	Laskarwála House	48 34 5
Gúdhá House	7 4 7	Thoria "	120 9 16	Hásalwála House	54 55 0
Sohúwála Custom House	17 24 9	Kanjan "	193 18 18	Amrwála "	68 4 57
Lakarwála House	32 58 1	Malána Tibba "	203 14 28	Jhundwála "	248 28 50
Koheránwáli House	45 21 26	Morábhár "	248 29 16	Makásir Mound	281 58 29
Audh Custom House	64 9 20	Sonábhár "	306 38 21	Fathigarh "	308 1 11
Pipli Custom House	107 16 30			Dulmánáh Mound	352 16 32
Sár Tibbi s.	115 44 19	UPAL s.			
Hassu House	137 35 31	Bhairqwal s.	5 11 29		
Malkána Dharmśála	184 57 37				

GURHAGARH MERIDIONAL SERIES.

CO-ORDINATES AND DESCRIPTIONS OF ALL STATIONS AND POINTS.

The following table gives the co-ordinates of all the stations and other fixed points, arranged in alphabetical order, also the descriptions of the secondary stations and intersected (or unvisited) points, and references to the preceding pages where the descriptions of the principal stations are given. In certain instances numbers are added which have reference to the given data of the triangles by which the station or point has been fixed; when these numbers are omitted it is to be understood that no triangles are given.

Note.— λ stands for Latitude North; L for Longitude East of Greenwich; H for Height of station in feet above mean sea level, if determined trigonometrically, H_s for the Height when found by spirit leveling and h for Height of station tower or pillar.

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>A. s. (<i>Ferozpur</i>)</p> <p style="text-align: center;">o ' "</p> <p>λ 30 58 29'0</p> <p>L 75 17 50'2</p> <p>Abholi Flag. (<i>Sarsa</i>) On high mound (remains of village).</p> <p>λ 29 29 40'2</p> <p>L 74 54 57'9</p> <p>Adhi s. (<i>Gurdaspur</i>) Adjoining the north side of the village of that name and on the left bank of the Rávi; tahsil Dinánagar, thánah Baráúpur. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 5 37'82</p> <p>L 75 18 18'03</p> <p style="text-align: center;">No. 1048</p>	<p>Ahmadwála, LXIV (<i>Vide page 13—F.</i>)</p> <p style="text-align: center;">o ' "</p> <p>λ 30 19 40'78</p> <p>L 74 54 9'77</p> <p>H 705</p> <p>h 11</p> <p style="text-align: center;">No. 75</p> <p>Ahmadwála s. (<i>Lahor</i>)</p> <p>λ 31 2 35'39</p> <p>L 74 39 17'38</p> <p>Aiánagar s. (<i>Lahor</i>) 1.25 miles S. of village so called and 1 mile from the right bank of the Rávi; thánah Sháhdra, tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 41 18'52</p> <p>L 74 28 18'56</p> <p style="text-align: center;">No. 1002</p>	<p>Ajmír Residency. (<i>Ajmír</i>) Bungalow E. of Ajmír. Also determined by Ajmír Revenue Survey.</p> <p style="text-align: center;">o ' "</p> <p>λ 26 26 42'2</p> <p>L 74 41 54'3</p> <p style="text-align: center;">No. 216</p> <p>Ajmír Tomb, (<i>Ajmír</i>) Madár Sáhíb's. Also determined by Ajmír Revenue Survey.</p> <p>λ 26 27 48'3</p> <p>L 74 42 27'3</p> <p style="text-align: center;">No. 217</p> <p>Akalgada House. (<i>Amritsar</i>) Flag on Mán Sing's house.</p> <p>λ 31 30 40'2</p> <p>L 75 6 32'7</p> <p style="text-align: center;">No. 614</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Akalia Flag. (Nábha) On Búpa Bania's house. λ 30 22 13'0 L 74 55 40'5	Amritsar Bír Bhán's Temple, (Amritsar) Spire. λ 31 37 25'2 L 74 55 27'2 Nos. 617, 618	Anúpsahar s. (Bikáner) On highest part of sand ridge about a mile E. of village of same name. A wooden pin with central dot indicates the station. λ 28 58 2'52 L 75 15 29'80 Nos. 748, 749
Alamba Hill Temple. (Ajmír) λ 25 48 34'4 L 75 4 5'1 No. 158	Amritsar Bunga Minaret, (Amritsar) Spire. λ 31 37 12'7 L 74 55 10'9 Nos. 631, 632	Aramlia, XXIII (Vide page 6—F.) λ 24 25 7'27 L 75 1 32'87 H 1532 h 6 No. 80 (of Karáchi Series) vide Synoptical vol. of this series p. 22—B.
Aláwála Flag. (Lahor) λ 31 0 22 L 74 38 27	Amritsar Gurúdwára, (Amritsar) Temple spire. λ 31 37 15'2 L 74 55 1'9 No. 633	Arjáh Hill Temple. (Udaipur) λ 25 25 55'7 L 74 40 32'1 Nos. 135, 136
Ali Muhammad Flag. (Sarsa) On high sand mound. λ 29 27 33'9 L 75 9 32'6	Amritsar Haveli. (Amritsar) Spire of small dome at corner of Sardár Laina Sing's haveli. λ 31 37 16'0 L 74 54 50'3 No. 634	Arnaiá, X (Vide page 7—F.) λ 25 1 54'93 L 75 13 55'21 H 2008 h 3 No. 12
Alkwála, LXVI (Vide page 13—F.) λ 30 27 26'33 L 74 55 54'15 H 714 h 8 No. 77	Amritsar Minaret s. (Amritsar) On the landing place of the north-eastern of the two minarets built by Sardár Jodh Sing Rámgarh, situated about the centre of the city and some 150 yards E. of the celebrated gold covered temple. The station is marked by a ⊙ on a piece of marble let into the masonry and covered over with a layer of mortar. λ 31 37 12'76 L 74 55 11'02 No. 629	Arniwála House. (Sarsa) Flag on Máya Rám's house. λ 29 26 20'1 L 75 5 15'8 Nos. 395, 396
Alwána s. (Bikáner) Also called Sardárganh s. On top of Hakím's house on N. side of village of Alwána. λ 29 22 31'33 L 73 47 18'22 No. 813	Amritsar Rámgarh Minaret, (Amritsar) Spire. λ 31 37 11'6 L 74 55 10'0 Nos. 629, 630	Asíhar Flag. (Sarsa) On Súba Sing's house. λ 29 52 45'2 L 74 57 29'9
Amaldá, XIV (Vide page 7—F.) λ 25 28 58'58 L 75 11 16'30 H 1612 h 3 No. 22	Amritsar Teja Sing's Temple. (Amritsar) Spire. λ 31 37 16'7 L 74 54 45'2 Nos. 627, 628	Atalgarh, XCI (Vide page 16—F.) λ 32 18 44'84 L 75 8 53'98 H 958 h 15 No. 102
Amargarh E. Hill. (Ajmír) λ 26 12 2 L 74 31 44	Amrwála s. (Bikáner) About the centre of the village of that name. Station mark on Mundru's (the Lambardár's brother's) house. λ 29 33 33'92 L 74 0 30'73 No. 810	Audh Custom House, (Sarsa) Flag on roof. λ 29 45 53'2 L 74 56 28'8 Nos. 464, 465
Amargarh h.s. (Ajmír) Also determined by Ajmír Revenue Survey. λ 26 11 58'53 L 74 31 25'56 Nos. 197, 198	Anbolta Flag. (Sarsa) On high mound (remains of village). λ 29 30 10'8 L 75 4 36'1	Auliápur (Nawa) Turret, (Amritsar) N.W. λ 31 49 13'8 L 74 34 56'8 No. 1054
Amírganh Hill Fort, (Udaipur) Tree. λ 25 26 26'6 L 75 13 37'5 No. 130	Anúpsahar Fort, (Bikáner) Flag on building in E. flank. λ 29 11 20'7 L 73 15 5'1 No. 851	
Amritsar Bába Atal Minaret, (Amritsar) Spire. λ 31 37 3'3 L 74 55 8'1 Nos. 625, 626		

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Auliápur s. (Amritsar) 1 mile S. of Nawa Auliápur and 0·3 of a mile from the right bank of the Rávi; thánah Miáni, tahsil Narowál. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 47 58·83 L 74 34 59·26 No. 1010</p>	<p>Badála Village. (Gurdáspur)</p> <p>λ 32 3 41 L 75 13 8</p>	<p>Bálagarra, XXIV. (Vide page 5—F.)</p> <p>λ 24 10 21·90 L 75 0 15·84 H 180·4 h 3 No. 3</p>
<p>Aulia s. (Gurdáspur) 0·08 of a mile S.W. of Aulia village, 0·1 of a mile S. of Adha and about 1·75 miles from the right bank of the Rávi; thánah Doda, tahsil Shakargarh. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 5 25·47 L 75 6 51·94 No. 1039</p>	<p>Bádalgarh, XLVI (Vide page 11—F.)</p> <p>λ 28 57 51·08 L 74 52 48·18 H 738 h 6 No. 57</p>	<p>Balerwál Village. (Gurdáspur)</p> <p>λ 31 37 55 L 75 27 25</p>
<p>Awána s. (Amritsar) 1·50 miles N.W. of village so called and about a mile from the left bank of the Rávi; thánah and tahsil of Sauria. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 51 41·50 L 74 39 57·91 No. 1015</p>	<p>Badwa Hill. (Udaipur) Tree at N. end.</p> <p>λ 25 6 0·4 L 75 21 37·9 No. 123</p>	<p>Bálothaur s. (Gurdáspur) About 80 yards N.W. of the village of that name and about the same distance from the left bank of the Rávi; thánah Kalánúr, tahsil Batála. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 4 1·71 L 75 8 30·95 No. 1040</p>
<p>Awan s. (Lahor) About 1·1 miles N.W. of village so called and 0·2 of a mile from the left bank of the Rávi; tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 39 5·89 L 74 28 35·42 No. 1001</p>	<p>Bágeki s. (Ferozpur)</p> <p>λ 30 59 7·62 L 74 45 11·07</p>	<p>Baluwána Tower. (Patidala) Flag on Bhái Bodh Sing's tower.</p> <p>λ 30 13 22·5 L 74 49 27·6 Nos. 522, 523.</p>
<p>Awan Village. (Lahor)</p> <p>λ 31 38 50 L 74 30 9</p>	<p>Bági-ki-Tibbi s. (Patidala) On mound.</p> <p>λ 30 3 10·59 L 74 52 40·96 Nos. 494, 495</p>	<p>Balwanta h.s. (Ajmir) Also determined by Ajmir Revenue Survey.</p> <p>λ 26 22 4·76 L 74 43 28·51 Nos. 201, 202.</p>
<p>B. S. (Ferozpur)</p> <p>λ 31 0 51·9 L 75 18 51·8</p>	<p>Baglárá, XVI (Vide page 7—F.)</p> <p>λ 25 30 44·70 L 75 26 27·61 H 1308 h 2 No. 25</p>	<p>Bámnia Tower. (Udaipur)</p> <p>λ 25 33 45·9 L 74 48 26·8 No. 151.</p>
<p>Bacháwás Tomb. (Bikáner) Spire on sand hill.</p> <p>λ 28 36 48·3 L 74 56 8·7 Nos. 333, 334</p>	<p>Bahádra Flag. (Sarsa) On Rúp Sing's house.</p> <p>λ 29 44 46·2 L 75 6 5·2</p>	<p>Banbíha Flag. (Ferozpur) On Bhái Chinta Sing's house.</p> <p>λ 30 32 30·3 L 75 2 37·6</p>
<p>Badála s. (Gurdáspur) 0·8 of a mile W. of the principal village of Badála and 0·4 of a mile from the left bank of the Rávi; jágír Rája Teja Sing, thánah Kalánúr. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 4 18·70 L 75 11 20·89 No. 1042</p>	<p>Bahádrah Gateway. (Bikáner) Flag on gateway of Karanpur Factory in town.</p> <p>λ 29 6 13·1 L 75 12 31·2 Nos. 788, 789</p>	<p>Bándi s. (Bikáner)</p> <p>λ 27·48 19·20 L 73 57 16·33 No. 687.</p>
<p>Badála s. (Gurdáspur) 0·8 of a mile W. of the principal village of Badála and 0·4 of a mile from the left bank of the Rávi; jágír Rája Teja Sing, thánah Kalánúr. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 4 18·70 L 75 11 20·89 No. 1042</p>	<p>Bahádurwála s. (Ferozpur) On mound.</p> <p>λ 30 59 47·44 L 74 41 26·36</p>	<p>Banera Makbara. (Udaipur) S.E. of hill fort.</p> <p>λ 25 29 46·1 L 74 43 0·8 No. 173.</p>
<p>Bája Flag. (Faridkot) On Mangal Khatri's house.</p> <p>λ 30 27 20·1 L 75 1 19·2</p>	<p>Baila Tibbi s. (Sarsa) On high sand mound.</p> <p>λ 29 44 19·03 L 75 7 57·24 Nos. 444, 445.</p>	<p>Banera Palace. (Udaipur) In hill fort.</p> <p>λ 25 30 27 L 74 43 0 Nos. 154, 155.</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Ban Flag. (<i>Sarsa</i>) On Basáú Ját's house. " " λ 29 35 0'2 L 75 1 24'3	Bargarhi House. (<i>Faridkot</i>) Flag on Kán Sing's house. " λ 30 31 28'0 L 74 59 38'7 Nos. 549, 550.	Batála House. (<i>Gurdáspur</i>) Flag on Sikandar Khán's house (high tower.) " " " λ 31 48 35'4 L 75 14 43'3 No. 641.
Banga Pili s. (<i>Bikáner</i>) On Rugha Ját's house, N.W. corner of village. λ 29 27 15'53 L 74 8 10'24 No. 809.	Bariam Sing s. (<i>Ferozpur</i>) On roof of Natha Sing Zamíndár's house, on N.E. side of village. λ 30 55 41'55 L 74 54 5'24 No. 863.	Batála Temple. (<i>Gurdáspur</i>) Spire of conspicuous temple. λ 31 48 32'3 L 75 14 31'4 No. 640.
Bánká, LI (<i>Vide page 11—F.</i>) λ 29 22 43'51 L 75 0 34'16 H 710 h 4 No. 62.	Bari Bhangi Ruldúwála House. (<i>Patiála</i>) Flag on Mirza Lambardár's house. λ 30 0 39'8 L 75 0 47'5 Nos. 490, 491.	Báúpur Village. (<i>Jallandar</i>) λ 31 15 29 L 75 9 19
Bara Bhúchu House. (<i>Ferozpur</i>) Flag on Bhái Lachmi Sing's house. λ 30 14 9'6 L 75 7 43'0 Nos. 510, 511.	Bari Hill, (<i>Nímach</i>) E. point. λ 25 2 2 L 75 16 5	Bauri House. (<i>Patiála</i>) Flag on Ala Bania's House. λ 30 3 19'8 L 74 48 9'1 Nos. 504, 505.
Bara Chak Flag. (<i>Ferozpur</i>) On Wazír Sing's house. λ 30 11 5'6 L 75 8 28'4	Bari Hill, (<i>Nímach</i>) W. point. λ 25 2 6 L 75 15 35	Báwal Peak. (<i>Jodhpur</i>) λ 26 35 33 L 74 41 20
Baraich Village. (<i>Amritsar</i>) λ 31 32 27 L 75 21 49	Barládah Flag. (<i>Patiála</i>) On mound near village. λ 30 14 37'3 L 74 54 18'8	Bego Palace. (<i>Udaipur</i>) λ 24 59 16'5 L 75 3 36'0 No. 117.
Baraj-ka-Tibbi s. (<i>Sarsa</i>) On the E. side of the village of that name on Chuhar's (Banewál Ját) house top. λ 29 33 26'15 L 74 32 46'39 No. 802.	Baropal Mound. (<i>Bikáner</i>) Flag on mound near village. λ 29 23 58'4 L 74 11 14'9 Nos. 844, 845.	Begowál s. (<i>Jallandar</i>) On Har Gopál Khatri's house. λ 31 36 43'61 L 75 33 49'42
Bara Kot Karor Flag. (<i>Ferozpur</i>) On Mahtáb Sing's house. λ 30 49 8'1 L 74 57 26'1	Basarki Turret. (<i>Amritsar</i>) λ 31 34 31'1 L 74 48 30'5 No. 963.	Bhága Flag. (<i>Patiála</i>) On Kán Sing's house. λ 29 58 22'7 L 74 58 48'8
Bara Malha Flag. (<i>Ferozpur</i>) On Mahá Sing's house. λ 30 44 57'9 L 74 58 2'3	Basáú House. (<i>Shekháwáti</i>) Flag on Thákur's house in town. λ 28 14 41'2 L 75 7 0'5 Nos. 317, 318.	Bhága Purána Thánah, (<i>Ferozpur</i>) Flag. λ 30 41 6'8 L 75 8 8'7 Nos. 560, 561.
Bara Panchgráin House. (<i>Faridkot</i>) Flag on Gara Sing Jágúrdár's house. λ 30 36 34'6 L 74 57 21'8 Nos. 569, 570.	Basíhar s. (<i>Sarsa</i>) On top of Buddha Lambardár's house on E. side of village so called. λ 29 39 20'30 L 74 32 36'25 No. 803.	Bhagelewála Flag. (<i>Ferozpur</i>) On Jit Sing Carpenter's house. λ 30 48 20'4 L 75 2 22'2
Bara Sangat Flag. (<i>Patiála</i>) On Báj Sing's house. λ 30 4 59'5 L 74 52 54'4	Basi Peak. (<i>Jodhpur</i>) λ 26 34 29 L 74 40 12	Bhagola House. (<i>Bikáner</i>) Flag on Natha Bania's house. λ 28 46 59'8 L 75 28 38'8 Nos. 769, 770.
Bara Sekha Flag. (<i>Ferozpur</i>) On Gújar Sing's house. λ 30 35 30'9 L 75 2 55'3		Bhagsar House. (<i>Sarsa</i>) Flag on Sona's house. λ 29 40 35'9 L 74 56 6'3 Nos. 433, 434.

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Bhagwánpur No. 1 s. (Lahor) On the N. angle of the top of a building adjoining the garden known as Laina Singka-bágh and 0·2 of a mile N. of Shálemár garden; thánah and tahsil Lahor. Marked by a ⊙ dug into the mortar.</p> <p>λ 31 35 27·53 L 74 25 43·94 No. 949.</p>	<p>Bhatinda Flag. (Patiála) On N.E. bastion of fort.</p> <p>λ 30 12 29·8 L 74 58 49·4</p>	<p>Bhokra House. (Farúkkot) Flag on Marfáal Bráhma's house.</p> <p>λ 30 18 9·6 L 74 59 12·2 Nos. 531, 532.</p>
<p>Bhagwánpur No. 2 s. (Lahor) In open ground 1·50 miles N. W. of village so called and about 0·6 of a mile from the left bank of the Rávi; thánah and tahsil Lahor.</p> <p>λ 31 37 23·11 L 74 24 21·25 No. 950.</p>	<p>Bhatinda Gurúdwára. (Patiála) Spire in fort.</p> <p>λ 30 12 31·6 L 74 58 48·2 Nos. 498, 499.</p>	<p>Bhokri House. (Farúkkot) Flag on Dallu Ját's house.</p> <p>λ 30 20 30·2 L 75 0 49 Nos. 526, 527.</p>
<p>Bhagwánpur No. 3 s. (Lahor) On a mound 0·6 of a mile S.W. of the village so called; thánah and tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 34 36·58 L 74 24 35·47 No. 952.</p>	<p>Bhatinda Temple. (Patiála) Spire in city.</p> <p>λ 30 12 25·9 L 74 58 54·6 Nos. 500, 501.</p>	<p>Bhol Village. (Gurdáspur)</p> <p>λ 31 37 7 L 75 26 33</p>
<p>Bhagwánpur Turret. (Lahor) On house top.</p> <p>λ 31 35 4·8 L 74 24 56·9 No. 981.</p>	<p>Bhatner s. (Bikáner) On a paka building about the centre of the fort of Bhatner and adjoining the Kachahri.</p> <p>λ 29 35 8·37 L 74 22 0·29 No. 804.</p>	<p>Bhondia Tibba. (Bikáner)</p> <p>λ 28 56 0 L 75 14 26</p>
<p>Bhái-ki-Samádh House. (Ferozpur) Flag on Bhái Dhanna Sing's house.</p> <p>λ 30 35 55·8 L 75 11 29·3 No. 557.</p>	<p>Bhel s. (Amritsar) About 0·3 of a mile S. of village. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 19 17·92 L 75 7 32·14 No. 905.</p>	<p>Bhúda Flag. (Ferozpur) On mound.</p> <p>λ 30 46 21·7 L 75 0 26·7</p>
<p>Bhairowál s. (Amritsar) On top of little paka turret above the oblong building situated in the southern angle of the fort. Marked by ⊙ engraved on stone, imbedded into the mortar and covered over with a stout earthen vessel.</p> <p>λ 31 25 8·34 L 75 12 35·89 No. 911.</p>	<p>Bhel Temple, (Amritsar) Kalas.</p> <p>λ 31 19 28·3 L 75 7 41·7</p>	<p>Bhuj Bhangu House. (Sarsa) Flag on Gurdatta Bráhma's house.</p> <p>λ 29 38 3·9 L 75 4 8·9 Nos. 409, 410.</p>
<p>Bhaitáwála Mahal. (Amritsar) Spire of Lada Sing's mahal.</p> <p>λ 31 58 7·7 L 74 44 19·9 No. 1057.</p>	<p>Bhikáriwál s. (Gurdáspur) On a mound about 0·25 of a mile N.E. of the village of Bhikáriwál and the same distance E. of Bakshiwál; thánah Kalánúr and tahsil Gurdáspur.</p> <p>λ 32 0 38·41 L 75 17 32·50 No. 1061.</p>	<p>Bhuliána s. (Ferozpur) On roof of Data Sing Zamíndár's house. Marked by a platform 1 ft. high and 3 ft. in diameter.</p> <p>λ 30 19 44·44 L 74 45 11·56 No. 856.</p>
<p>Bhandiánwála s. (Gurdáspur) On a high mound of that name 0·75 of a mile N.E. of Gurdás Nangal and the same distance E. of Purúwál Játán.</p> <p>λ 31 59 42·07 L 75 22 23·96 No. 1063.</p>	<p>Bhíkochak Fort. (Gurdáspur)</p> <p>λ 32 8 46 L 75 14 11</p>	<p>Bhumbá, XXXIV (Vide page 10—F.)</p> <p>λ 27 46 41·78 L 74 58 52·21 H 1261 h 3 No. 45.</p>
<p>Bhání Singwála s. (Bikáner) On a mound about 3 miles S.W. of the village so called.</p> <p>λ 29 0 24·69 L 73 32 6·88 No. 819.</p>	<p>Bhíkochak s. (Gurdáspur) 1·41 miles S. of the village of that name and 0·4 of a mile from the right bank of the Rávi; thánah Naina-da-kot, Jágir Rája Teja Sing. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 7 35·59 L 75 13 43·21 No. 1046.</p>	<p>Bhúrú-Chak, XCIII (Vide page 16—F.)</p> <p>λ 32 26 55·89 L 75 9 12·28 H 1078 h 25 No. 104.</p>
	<p>Bhilwára Pagoda. (Udaipur)</p> <p>λ 25 20 35 L 74 41 14 No. 172.</p>	<p>Bídásir House. (Bikáner) Flag on Jíwan Mal Bania's house.</p> <p>λ 27 49 58·5 L 74 21 10·0 Nos. 727, 728</p>
		<p>Bídián Flag.* (Lahor) On house.</p> <p>λ 31 18 56·0 L 74 32 41·6</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Bidnúr Town, (<i>Udaipur</i>) Large white building.</p> <p>λ 25 50 22.4 L 74 19 13.9</p>	<p>Bilarwál Turret, (<i>Amritsar</i>) Paka.</p> <p>λ 31 54 7.1 L 74 45 14.2 No. 1056.</p>	<p>Búda, XXI (<i>Vide page 5—F.</i>)</p> <p>λ 24 14 11.86 L 75 10 43.06 h 1525 h 5 No. 27 (of Karáchi Longitudinal Series) <i>Vide Synoptical Vol. of this series p. 22—B.</i></p>
<p>Bihára Hill Building. (<i>Kishanganj</i>)</p> <p>λ 26 41 4.8 L 74 59 47.2 Nos. 244, 245.</p>	<p>Binai Hill. (<i>Ajmir</i>) Conical hill N. E. of Binai.</p> <p>λ 26 4 10 L 74 51 41</p>	<p>Budaichima s. (<i>Amritsar</i>) 0.50 of a mile E. of that village and 0.5 of a mile from the right bank of Rávi; thánah and tahsil Narowál. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 58 12.37 L 74 49 0.35 No. 1024.</p>
<p>Bihara House. (<i>Patiála</i>) Flag on Sáin Bania's house.</p> <p>λ 30 13 21.0 L 74 53 34.9 Nos. 520, 521.</p>	<p>Binai Hill Fort. (<i>Ajmir</i>) N. tower.</p> <p>λ 26 2 42.1 L 74 48 38.5 Nos. 165, 166.</p>	<p>Budhu-ka-ava s. (<i>Lahor</i>) On a high mound of that name about 0.9 of a mile N.E. of Sir H. Lawrence's house; thánah and tahsil Lahor.</p> <p>λ 31 34 29.38 L 74 23 44.82 No. 991.</p>
<p>Bijlowál s. (<i>Gurdáspur</i>) 0.21 of a mile N. of the village so called and about 0.2 of a mile from the left bank of the Rávi; jágir Rája Teja Sing, thánah Kalánúr. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 6 8.49 L 75 15 57.51 No. 1045.</p>	<p>Binai h.s. (<i>Ajmir</i>) Also determined by Ajmir Revenue Survey.</p> <p>λ 26 3 32.05 L 74 49 28.05 Nos. 167, 168.</p>	<p>Bughia s. (<i>Bikáner</i>) On a mound about 1 mile N. of village so called.</p> <p>λ 29 22 36.32 L 73 40 48.24 No. 815.</p>
<p>Bikáner Bastion. (<i>Bikáner</i>) Flag on 1st bastion to S. of flag staff.</p> <p>λ 28 1 15.2 L 73 21 39.0 Nos. 707, 708.</p>	<p>Binai Temple. (<i>Ajmir</i>) On S.W. hill.</p> <p>λ 26 2 38.7 L 74 46 19.6 No. 190.</p>	<p>Búkulan s. (<i>Lahor</i>) 0.99 of a mile S.E. of village so called and 2 miles from the right bank of the Rávi; thánah Sháhdra, tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 39 39.62 L 74 25 41.31 No. 1000.</p>
<p>Bikáner Dome No. 1 (<i>Bikáner</i>) On palace in fort.</p> <p>λ 28 1 18.3 L 73 21 33.6 Nos. 713, 714.</p>	<p>Binautha Hill Temple. (<i>Tonk</i>)</p> <p>λ 24 31 32.5 L 74 36 52.9 No. 111.</p>	<p>Búndála Flag. (<i>Amritsar</i>) On Jawáhar Sing's house.</p> <p>λ 31 31 56.1 L 75 1 17.8</p>
<p>Bikáner Dome No. 2 (<i>Bikáner</i>) On palace in fort.</p> <p>λ 28 1 18.8 L 73 21 33.6 Nos. 715, 716.</p>	<p>Biramsir, XXXV (<i>Vide page 10—F.</i>)</p> <p>λ 28 2 18.76 L 74 47 57.23 H 1304 h 3 No. 46.</p>	<p>Búndála No. 1 s. (<i>Amritsar</i>) In a field 1.2 miles S.W. of village; thánah Jandiála, tahsil Amritsar. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 31 14.32 L 74 59 11.14 No. 921.</p>
<p>Bikáner Flag Staff. (<i>Bikáner</i>)</p> <p>λ 28 1 18.4 L 73 21 38.9 Nos. 709, 710.</p>	<p>Bir hs. (<i>Ajmir</i>) Also determined by Ajmir Revenue Survey.</p> <p>λ 26 25 7.68 L 74 47 59.35 Nos. 205, 206.</p>	<p>Búndála No. 2 s. (<i>Amritsar</i>) On mound 1.2 miles N.W. of village. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 32 49.53 L 75 0 46.76 No. 920.</p>
<p>Bikáner s. (<i>Bikáner</i>) On Rám Chand (Daga) Bania's house, in Dagachauk, at the southern extremity of town, and close to the temple called Bhándesir-ki-Deora. A paka platform 3 ft. square and 6 in. high marks the station.</p> <p>λ 28 0 25.13 L 73 20 48.76 Nos. 711, 712.</p>	<p>Bisungarh, XI (<i>Vide page 7—F.</i>)</p> <p>λ 24 59 13.44 L 75 26 42.91 H 1953 h Not forthcoming No. 20.</p>	
<p>Bikáner Temple. (<i>Bikáner</i>) Spire of temple called Bhándesir-ki-Deora.</p> <p>λ 28 0 16.8 L 73 20 32.1 Nos. 705, 706.</p>	<p>Bopára Turret. (<i>Amritsar</i>)</p> <p>λ 31 38 31.5 L 74 45 52.2 No. 964.</p>	
	<p>Bora Flag. (<i>Sarsa</i>) On high mound (remains of village).</p> <p>λ 29 29 10.2 L 74 58 58.7</p>	

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Būdāla Temple, (Amritsar) Spire. ° ' "</p> <p>λ 31 31 57.5 L 75 1 19.1 Nos. 610, 611</p>	<p>Chani s. (Gurdāspur) 0.8 of a mile S. W. of Chani vil- lage and 0.5 of a mile from the right bank of the Rāvi; jāgir of Rāja Teja Sing, thānah Nai- nā-da-kot. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>° ' "</p> <p>λ 32 5 50.8 L 75 12 39.12 No. 1043</p>	<p>Chichláná, XV (Vide page 7—F.) ° ' "</p> <p>λ 25 31 0.49 L 74 55 19.79 H 1762 h 3 No. 23</p>
<p>Bupki, XXIII (Vide page 8—F.)</p> <p>λ 26 3 55.43 L 74 51 41.45 H 1878 h 2 No. 29</p>	<p>Chani Tree (Bikāner) Flag, in village.</p> <p>λ 29 10 57.3 L 75 21 53.0 Nos. 790, 791</p>	<p>Chidr Village. (Amritsar)</p> <p>λ 31 37 36 L 74 44 13</p>
<p>Burjānwāli Flag (Sarsa) On high mound (remains of village.)</p> <p>λ 29 31 10.8 L 74 48 40.6</p>	<p>Chāpa s. (Lahor) On mound 0.45 of a mile N. E. of that village; thānah and tahsil Lahor, chau- ki Maniāra. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 34 9.94 L 74 34 27.44 No. 943</p>	<p>Chirak Fort. (Ferozpur) Flag on N.E. bastion of Sardār Lains Sing's (Kalsia) fort.</p> <p>λ 30 43 8.6 L 75 12 45.6 No. 572</p>
<p>Burūndni Hill Mark. (Udaipur)</p> <p>λ 25 10 16.46 L 74 57 2.67 No. 121</p>	<p>Charangwāla s. (Bikāner) On a mound S. of the village of Ka- nahli.</p> <p>λ 28 44 40.00 L 73 31 32.57 No. 824</p>	<p>Chitorgarh Fort. (Gurdāspur) Flag on N.W. bastion of Jaimal Sing's old fort.</p> <p>λ 31 51 45.0 L 75 0 37.4 Nos. 646, 647</p>
<p>Chaba Village. (Amritsar)</p> <p>λ 31 33 23 L 74 55 36</p>	<p>Chāria s. (Bikāner)</p> <p>λ 28 0 39.45 L 73 37 38.87 Nos. 703, 704</p>	<p>Chitorgarh Hill Fort, (Udaipur) Minaret (column on top of hill.)</p> <p>λ 24 53 30.3 L 74 41 29.8 No. 139.</p>
<p>Chabhal House, (Amritsar) Flag in town.</p> <p>λ 31 28 50.4 L 74 49 57.5 No. 888</p>	<p>Chatianwāli Dome. (Lahor)</p> <p>λ 31 17 41.7 L 74 33 24.7 Nos. 899, 900</p>	<p>Cholāda s. (Jallandar) 0.43 of a mile E. of village of that name. Marked by a paka pillar 4 ft. above ground and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 16 36.61 L 75 10 30.56 No. 908</p>
<p>Chainewāla House. (Nābha) Flag on Sāhib Sing's house.</p> <p>λ 30 25 21.7 L 74 52 59.7 Nos. 535, 536</p>	<p>Chātivind s. (Amritsar) 0.83 of a mile S. of that village; thānah and tahsil Amritsar. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 34 49.48 L 74 56 3.42 No. 924</p>	<p>Chota Sekha Flag (Ferozpur) On Thar Sing's house.</p> <p>λ 30 34 17.9 L 75 2 30.2</p>
<p>Chainpur Hill. (Jodhpur)</p> <p>λ 26 21 49 L 74 15 12</p>	<p>Chatrián Flag (Sarsa) On Mot Sing's house.</p> <p>λ 29 40 42.0 L 75 1 56.0</p>	<p>Chotia House. (Ferozpur) Flag on Jawāhir Sing Zamīndār's house.</p> <p>λ 30 17 25.6 L 74 46 17.0 Nos. 858, 859</p>
<p>Chamba Village. (Amritsar)</p> <p>λ 31 12 26 L 75 3 12</p>	<p>Chandbhān House. (Nābha) Flag on Bhūpa Sing's house.</p> <p>λ 30 23 4.8 L 74 56 19.8 Nos. 533, 534</p>	<p>Chowindá, LXXXIII (Vide page 15—F.)</p> <p>λ 31 43 13.72 L 75 5 51.43 H 833 h 5 No. 94</p>
<p>Changairí, III. (Vide page 6—F.)</p> <p>λ 24 30 12.44 L 74 52 30.19 H 1701 h 0 No. 6.</p>	<p>Chauleshwar Hill Temple. (Udaipur)</p> <p>λ 25 27 43 L 75 8 38 Nos. 128, 129</p>	<p>Chūli s. (Jodhpur)</p> <p>λ 27 19 9.89 L 73 36 19.21 No. 678</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Chúrúwála s. (<i>Bikáner</i>) On a high mound about 2 miles E. of Bahádrá and 2 miles W. of Patwa village. A wooden pin with central dot indicates the station.</p> <p style="text-align: center;">o ' "</p> <p>λ 29 7 34'45 L 75 15 3'63 Nos. 752, 753</p>	<p>Daimíro Nawa Flag (<i>Ferozpur</i>) On Ranjit Sing's house.</p> <p>λ 30 41 32'0 L 75 1 18'7</p>	<p>Daria s. (<i>Amritsar</i>) 0'10 of a mile N. of village of that name and immediately on the left bank of the Rávi; thánah Chamiári, tahsil Sauria. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 56 32'59 L 74 48 53'37 No. 1023</p>
<p>Churle Hill Peak. (<i>Bikáner</i>)</p> <p>λ 27 42 28 L 74 19 11 Nos. 719, 720</p>	<p>Dala No. 1 s. (<i>Amritsar</i>) In open ground 0'75 of a mile E. of village of that name; tahsil Tarn Taran, thánah Bopára. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 37 57'52 L 74 39 52'90 No. 941</p>	<p>Dáúd s. (<i>Amritsar</i>) S.E. of the village of Dáúd and about a mile from the right bank of the Rávi; tahsil and thánah Narowál. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 59 14'04 L 74 50 50'45 No. 1026</p>
<p>Chúr-Tibí, LIV (<i>Vide page 12—F.</i>)</p> <p>λ 29 35 31'47 L 74 54 23'42 H 696 h 10 No. 65</p>	<p>Dala No. 2 s. (<i>Jalandar</i>) On house top in village.</p> <p>λ 31 33 46'05 L 75 30 14'23</p>	<p>Daulatgarh Hill Fort, (<i>Udaipur</i>) W. tower.</p> <p>λ 25 38 48'6 L 74 22 13'7 No. 176</p>
<p>Chúru House, (<i>Bikáner</i>) Flag in town.</p> <p>λ 28 18 18'0 L 75 0 45'1 Nos. 318, 314</p>	<p>Dalsingwála Tower. (<i>Nábha</i>) Flag on Sáwan Sing's tower.</p> <p>λ 30 27 49'2 L 74 58 17'1 Nos. 539, 540</p>	<p>Daulatgarh Hill Temple, (<i>Udaipur</i>) S. of fort.</p> <p>λ 25 38 26'9 L 74 22 3'3 No. 175</p>
<p>Dabhi Flag (<i>Hissár</i>) On terrace in village.</p> <p>λ 29 19 14'8 L 75 19 22'3</p>	<p>Dalúwála, LXXIII (<i>Vide page 13—F.</i>)</p> <p>λ 50 59 6'89 L 75 5 50'64 H 728 h 30 No. 84</p>	<p>Dáu Mound. (<i>Sarsa</i>) Flag on mound so called, near Rori.</p> <p>λ 29 44 14'6 L 75 14 37'9 Nos. 452, 453</p>
<p>Dabla Bungalow, (<i>Udaipur</i>) Travellers'.</p> <p>λ 25 43 4'6 L 74 46 41'8 No. 160</p>	<p>Darágarh, XX (<i>Vide page 8—F.</i>)</p> <p>λ 25 30 32'57 L 74 41 31'33 H 1903 h 1 No. 31</p>	<p>Dehpálsir Temple, (<i>Bikáner</i>) Spire.</p> <p>λ 28 14 42'7 L 74 58 3'9 Nos. 303, 304</p>
<p>Dabli Flag (<i>Bikáner</i>) On mound near village.</p> <p>λ 29 32 3'7 L 74 14 16'2</p>	<p>Daraolí, LXXI (<i>Vide page 13—F.</i>)</p> <p>λ 30 48 36'17 L 75 5 13'08 H 759 h 20 No. 82</p>	<p>Deo Dongri Hill Tree. (<i>Jaura</i>)</p> <p>λ 24 18 57'7 L 75 2 46'0</p>
<p>Dabwáli Custom House, (<i>Sarsa</i>) Flag on roof.</p> <p>λ 29 57 4'5 L 74 46 47'0 Nos. 482, 483</p>	<p>Darbah Tomb, (<i>Sarsa</i>) Flag on dome in village.</p> <p>λ 29 24 32'5 L 75 9 58'2 Nos. 797, 798</p>	<p>Deogarh Hill Fort, (<i>Shekháwáti</i>) Highest bastion.</p> <p>λ 27 32 30'8 L 75 13 48'2 Nos. 277, 278</p>
<p>Dádúka Flag (<i>Sarsa</i>) On Mangal Sing's house.</p> <p>λ 29 50 16'1 L 75 5 35'0</p>	<p>Darbi Custom House, (<i>Sarsa</i>) Flag on roof.</p> <p>λ 29 34 37'9 L 75 11 21'5 Nos. 419, 420</p>	<p>Deogarh s. (<i>Bikáner</i>) On the highest of a group of sand hills about a mile E. of Deogarh village and 1·5 miles N. of Báh. A wooden pin with central dot indicates the station.</p> <p>λ 28 51 23'60 L 75 8 12'73 No. 745</p>
<p>Dafarwál W. Turret, (<i>Amritsar</i>) Paka.</p> <p>λ 31 56 14'0 L 74 41 54'6 No. 1055</p>	<p>Dargáhisháh s. (<i>Amritsar</i>) On roof of house.</p> <p>λ 31 12 55'81 L 75 4 53'98</p>	
<p>Dagru Thánah. (<i>Ferozpur</i>) Flag on turret over doorway.</p> <p>λ 30 50 0'9 L 75 5 43'1 Nos. 585, 586</p>		

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Deoli, XCII (Vide page 16—F.)</p> <p>λ 32 24 45'42 L 74 58 46'29 H 976 h 26 No. 103</p>	<p>Dharmapura Flag (Sarsa) On Dhúm Sing's house.</p> <p>λ 29 51 41'8 L 75 6 5'5</p>	<p>Dihánpur House. (Gurdáspur) Flag on Mahant Rágho Dás's house.</p> <p>λ 31 55 23'6 L 75 6 46'1 Nos. 648, 649</p>
<p>Derá, XXVIII (Vide page 16—F.)</p> <p>λ 32 46 19'84 L 74 40 43'85 H 895 h 2 No. 108</p>	<p>Dhewarsir Mound, (Bikáner) Flag.</p> <p>λ 28 53 46'1 L 73 29 57'1</p>	<p>Dikola Hill Fort, (Udaipur) S. Tower.</p> <p>λ 25 32 51'1 L 74 52 29'7 Nos. 152, 153</p>
<p>Dera Bába Nának House. (Gurdáspur) Flag on Ralla Bráhma's house.</p> <p>λ 32 1 59'8 L 75 4 13'2 Nos. 653, 654</p>	<p>Dhilan, LXVIII (Vide page 13—F.)</p> <p>λ 30 34 54'96 L 74 55 38'48 H 731 h 20 No. 79</p>	<p>Dináwál s. (Amritsar) On W. side of and on the same mound as Dináwál village; tahsil and thánah Tarn Taran. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 29 9'92 L 75 4 45'62 No. 914</p>
<p>Dera s. (Gurdáspur) 0.41 of a mile S. of village so called and 1.5 miles from the right bank of the Rávi; jágr of Rája Teja Sing, thánah Nainá-da-kot. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 7 25'67 L 75 16 45'08 No. 1047</p>	<p>Dhilan House. (Faridkot) Flag on Bhola Sing's house.</p> <p>λ 30 34 18'1 L 74 54 27'6 Nos. 551, 552</p>	<p>Dinkar Hill Mark. (Námach)</p> <p>λ 24 41 20'59 L 75 9 47'27 No. 118</p>
<p>Dera Temple, (Amritsar) Spire.</p> <p>λ 31 37 9'0 L 74 48 44'9 No. 961</p>	<p>Dhíri-Kot, LXXXI (Vide page 14—F.)</p> <p>λ 31 34 53'52 L 75 5 28'97 H 809 h 20 No. 92</p>	<p>Dogar Village. (Amritsar)</p> <p>λ 31 56 10 L 74 45 2</p>
<p>Desu Jodha House. (Sarsa) Flag on Neta Bania's house.</p> <p>λ 29 57 19'4 L 74 52 47'8 Nos. 478, 479</p>	<p>Dholuo s. (Bikáner)</p> <p>λ 27 58 28'20 L 73 49 2'30 No. 686</p>	<p>Domária Hill Mark. (Ajmír)</p> <p>λ 26 23 48'36 L 74 36 51'80</p>
<p>Desu Malkána Flag (Sarsa) On Moti Chápa's house.</p> <p>λ 29 52 8'8 L 75 0 2'4</p>	<p>Dhotar House. (Sarsa) Flag on Kanhaia Bania's house.</p> <p>λ 29 34 14'9 L 74 56 3'5 Nos. 401, 402</p>	<p>Dor House. (Ferozpur) Flag on Kishna Bráhma's house.</p> <p>λ 30 28 12'6 L 75 3 26'2 Nos. 543, 544.</p>
<p>Dháka Tibba. (Bikáner)</p> <p>λ 28 56 15 L 75 17 39 Nos. 784, 785</p>	<p>Dhúlkot Flag (Sarsa) On high mound (remains of village.)</p> <p>λ 29 30 51'1 L 74 47 48'2</p>	<p>Duburji Tower. (Amritsar) Flag on ruined tower near Gangu Lambardár's house.</p> <p>λ 31 36 1'0 L 74 59 3'1 Nos. 615, 616</p>
<p>Dharár Flag (Amritsar) On Kutbudín's house.</p> <p>λ 31 32 4'8 L 75 5 48'5</p>	<p>Dhúnda Square Building, (Amritsar) Centre.</p> <p>λ 31 20 26'0 L 75 9 54'6</p>	<p>Dudhál Tahsil (Patidála) Flag, in fort.</p> <p>λ 29 41 41'5 L 75 16 27'1 Nos. 454, 455</p>
<p>Dharmkot Temple (Ferozpur) Kalas, in town.</p> <p>λ 30 56 37'7 L 75 16 29'9</p>	<p>Diál Village. (Lahor)</p> <p>λ 31 36 9 L 74 34 22</p>	<p>Dugári Village. (Gurdáspur)</p> <p>λ 32 5 43 L 75 19 28</p>
	<p>Didwána Temple (Jodhpur) Spire, in centre of town.</p> <p>λ 27 24 4'0 L 74 36 58'0 Nos. 255, 256</p>	

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Dugra s. (Lahor) On a slight elevation surrounding an old well and 0·18 of a mile S.W. of Dugra village; thánah and tahsil Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 35 54·81 L 74 32 23·55 No. 944</p>	<p>Fathigarh House No. 1. (Ferozpur) Flag on Hira Chaudhari's house.</p> <p>λ 31 3 12·3 L 75 9 11·5 No. 595</p>	<p>Gandi s. (Bikáner) On the most elevated point of a sandy ridge about 3·5 miles W. of village of the same name. It is indicated by a wooden pin with a central dot.</p> <p>λ 29 13 12·40 L 75 10 22·11 No. 754</p>
<p>Dulmánáh Mound, (Bikáner) Flag.</p> <p>λ 29 30 42·6 L 74 9 20·7 Nos. 842, 843</p>	<p>Fathigarh House No. 2. (Gurdáspur) Flag on Chanda Sing's house.</p> <p>λ 31 51 54·2 L 74 59 44·3 Nos. 644, 645</p>	<p>Gangrúl Hill Fort. (Udaipur)</p> <p>λ 25 5 39 L 74 42 39 No. 120</p>
<p>Dúlowál s. (Jalandar) Also known as Husainpur, E. of Dúlowál village. Marked by a paka pillar 2 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 19 48·31 L 75 14 0·40 No. 909</p>	<p>Fathigarh s. (Bikáner) On the remains of N.W. bastion of fort of that name.</p> <p>λ 29 31 4·42 L 74 16 12·25 No. 807</p>	<p>Garindá, XXXVI (Vide page 10—F.)</p> <p>λ 27 55 30·55 L 75 3 45·65 H 1204 h 3 No. 47</p>
<p>Dúngrás Ganesi's Temple, (Bikáner) On hill.</p> <p>λ 27 43 30·1 L 74 23 11·5 Nos. 721, 722</p>	<p>Fathi-ka-kot House. (Patiála) Flag on Hukam Sing's house.</p> <p>λ 30 6 40·4 L 75 7 40·9 Nos. 516, 517</p>	<p>Gar-wáli, LIX (Vide page 12—F.)</p> <p>λ 29 55 53·39 L 75 1 41·98 H 717 h 25 No. 70</p>
<p>Dúngrás Mátá's Temple, (Bikáner) On hill.</p> <p>λ 27 43 30·3 L 74 23 11·5 Nos. 731, 732</p>	<p>Fathipur House No. 1. (Shekháwáti) Flag on Fakír's house on sand hill.</p> <p>λ 27 58 46·8 L 75 0 39·2 Nos. 291, 292</p>	<p>Gatiáli Hill Peak. (Ajmír)</p> <p>λ 25 47 21 L 75 18 10</p>
<p>Dwárka h.s. (Mairwára) Also determined by Ajmír Revenue Survey.</p> <p>λ 26 6 39·08 L 74 16 33·45 Nos. 193, 194</p>	<p>Fathipur House No. 2. (Amritsar) Flag on Allahdía Khán's house.</p> <p>λ 31 38 22·3 L 75 2 35·2 Nos. 619, 620</p>	<p>Gaurikund Hill. (Ajmír)</p> <p>λ 26 20 45 L 74 35 3</p>
<p>Fakírwála Flag (Sarsa) On high mound (remains of village.)</p> <p>λ 29 30 21·2 L 74 48 7·6</p>	<p>Ferozabad House. (Sarsa) Flag on Júsu Rái's house.</p> <p>λ 29 28 50·6 L 74 53 46·5 Nos. 386, 387</p>	<p>Ghal s. (Ferozpur) On roof of room over doorway of Ghal thánah on grand trunk road.</p> <p>λ 30 51 45·79 L 74 51 10·81 No. 862</p>
<p>Fathiabad Mosque, (Amritsar) Dome</p> <p>λ 31 22 49·6 L 75 8 28·6</p>	<p>Feroz Sháh House. (Ferozpur) Flag on Gulába Sing Bráhman's house.</p> <p>λ 30 52 46·9 L 74 49 47·5 Nos. 871, 872</p>	<p>Ghal Village, (Ferozpur) Flag on highest house.</p> <p>λ 30 51 7 L 74 51 1</p>
<p>Fathiabad s. (Amritsar) Close to a Fakír's hut on the higher of two mounds, which lie between Fathiabad and Khoáspur, and to the N.W. of the former; thánah Bhairowál, jágír Alúwália. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 23 1·01 L 75 8 28·60 No. 906</p>	<p>Gairi Flag (Patiála) On mound near village.</p> <p>λ 30 6 47·2 L 75 1 4·5</p>	<p>Ghamraula Temple, (Gurdáspur) Spire.</p> <p>λ 32 23 43·8 L 75 2 34·4 No. 665</p>
<p>Fathigarh Flag (Amritsar) On Dal Sing's house.</p> <p>λ 31 39 43·4 L 75 1 5·5</p>	<p>Glájjikáka Village. (Lahor)</p> <p>λ 31 44 26 L 74 30 20</p>	<p>Ghandhar House. (Sarsa) Flag on top of Bhagwanta Ját's house.</p> <p>λ 29 37 13·7 L 74 47 58·3 Nos. 827, 828</p>
	<p>Gandi House. (Bikáner) Flag on Dhaukal Ját's house in village.</p> <p>λ 29 12 44·4 L 75 14 0·2 Nos. 792, 793</p>	

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Ghania House. (Gurdáspur) Flag on Shám Sing's house.</p> <p>λ 31 51 40.4 L 75 5 55.8 Nos. 637, 638</p>	<p>Gojери s. (Amritsar)</p> <p>λ 31 21 6.95 L 75 4 27.16 No. 905</p>	<p>Govindgarh Fort s. (Amritsar) On turret, which is above the building called "The old house", situated near the angle within the S.E. bastion. A slab of marble, with circle and dot engraved and let into the mortar, marks the station.</p> <p>λ 31 37 36.07 L 74 54 10.14 No. 930</p>
<p>Ghigián Mound, (Gurdáspur) Flag.</p> <p>λ 32 16 30.8 L 75 3 51.7 Nos. 660, 661</p>	<p>Gokal, XXI (Vide page 8—F.)</p> <p>λ 25 44 20.92 L 74 29 38.91 H 1539 h 4 No. 32</p>	<p>Govindwál Dharmśála, (Amritsar) Temple Kalas.</p> <p>λ 31 21 57.7 L 75 11 11.0</p>
<p>Ghunia House. (Ferozpur) Flag on Chúra Sing's Samáj house.</p> <p>λ 30 25 1.5 L 75 4 28.1 Nos. 545, 546</p>	<p>Golwar, LXXX (Vide page 14—F.)</p> <p>λ 31 31 13.82 L 74 56 36.61 H 784 h 31 No. 91</p>	<p>Govindwál s. (Amritsar) On mound N.W. of and nearest to Govindwál. The temple of Budhu Khatri is at the foot of the mound to N.E. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 21 56.21 L 75 10 57.26 No. 907</p>
<p>Gídan Mátha Hill Temple. (Udaipur) Also determined by Ajmír Revenue Survey.</p> <p>λ 25 48 30.2 L 74 15 39.4 Nos. 179, 180</p>	<p>Gopálpúra, XXV (Vide page 5—F.)</p> <p>λ 24 17 33.54 L 74 49 23.29 H 1855 h 5 No. 32 (of Karáchi Longitudinal Series) vide Synoptical Vol. of that series p. 22—B.</p>	<p>Gúdáh House. (Sarsa) Flag on Basáwa Sing's house.</p> <p>λ 29 41 53.6 L 75 2 56.6 Nos. 448, 449</p>
<p>Gídaránwála, LII (Vide page 11—F.)</p> <p>λ 29 27 53.74 L 74 54 14.07 H 679 h 4 No. 63</p>	<p>Gopálpúra Hill Peak. (Bikáner)</p> <p>λ 27 44 51 L 74 23 4</p>	<p>Gúdáh s. (Jodhpur) In bed of Sámbar salt lake.</p> <p>λ 26 57 6.81 L 75 9 39.28 H 1186 No. 246</p>
<p>Gila s. (Amritsar) 0.5 of a mile N.W. of village so called and 0.8 of a mile from the right bank of the Rávi; tahsil Narowál, thánah Tilwandi. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 56 36.14 L 74 43 47.09 No. 1020</p>	<p>Gopálpúra h.s. (Bikáner) On a hill about 1.5 miles S.W. of village so called and 20 yards W. of a temple dedicated to Hanúmán. A paka platform 2 ft. high and 3 ft. square marks the station.</p> <p>λ 27 44 26.35 L 74 24 46.93 No. 691</p>	<p>Gúdhá, XXVII (Vide page 9—F.)</p> <p>λ 26 28 9.92 L 74 48 33.26 H 2418 h 2 No. 35</p>
<p>Giloji Hill Temple. (Udaipur) Also called Bekli Hill Temple.</p> <p>λ 25 27 47.8 L 75 14 21.3 No. 131</p>	<p>Gopálpúra Hill Temple. (Bikáner)</p> <p>λ 27 44 26.4 L 74 24 47.3 Nos. 729, 730</p>	<p>Gudráh Tibba. (Bikáner)</p> <p>λ 29 0 4 L 75 26 18 Nos. 782, 783</p>
<p>Gobindpúra House. (Ferozpur) Flag on Dharm Sing's house.</p> <p>λ 30 16 50.2 L 75 3 27.8 Nos. 528, 529</p>	<p>Gopichand Hill Temple. (Udaipur)</p> <p>λ 25 50 48.0 L 74 18 14.2 No. 181</p>	<p>Gudrána Flag (Sarsa) On Sujána Ját's house.</p> <p>λ 29 47 57.1 L 75 1 29.3</p>
<p>Gogodogur s. (Lahor) 0.51 of a mile E. of village so called and 1.8 miles from the right bank of the Rávi; thánah Sháhdra, tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 43 23.44 L 74 30 6.70 No. 1004</p>	<p>Gorakhnáth Temple, (Bikáner) Spire.</p> <p>λ 29 10 12.4 L 75 4 19.3 Nos. 365, 366</p>	<p>Gúgá, XXXIII (Vide page 9—F.)</p> <p>λ 27 40 49.31 L 74 37 58.32 H 1299 h 1 No. 44</p>
<p>Gora Tibbi s. (Sarsa) On mound.</p> <p>λ 29 34 38.46 L 74 52 28.07 Nos. 403, 404</p>	<p>Gora Tibbi s. (Sarsa) On mound.</p> <p>λ 29 34 38.46 L 74 52 28.07 Nos. 403, 404</p>	

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Gága-ki-Madhi Tomb, (Bikáner) E. minaret. " "</p> <p>λ 29 9 36.5 L 75 3 53.2 Nos. 367, 368</p>	<p>Gurdáspur s. (Gurdáspur) On the same high ground with the Jail and about 50 yards S.W. of its S.W. corner. " "</p> <p>λ 32 2 51.98 L 75 26 50.16 No. 1066</p>	<p>Harsnáth Hill Temple, (Shekháwáti) Spire. Also determined by Rahún Meridional Series. " "</p> <p>λ 27 29 59.4 L 75 12 51.0 Nos. 279, 280</p>
<p>Gúglá-Bhar, XXXVII (Vide page 10—F.)</p> <p>λ 28 7 17.51 L 75 3 50.60 H 1112 h 3 No. 48</p>	<p>Gurdáspur Saráí, (Gurdáspur) Flag on gateway.</p> <p>λ 32 2 25.1 L 75 26 38.7 Nos. 1068, 1069</p>	<p>Harwáni s. (Bikáner) On a high sand mound about a mile W. of Changol. It is indicated by a wooden pin with a central dot.</p> <p>λ 28 41 53.83 L 75 8 6.36 Nos. 771, 772</p>
<p>Gugwána s. (Jodhpur)</p> <p>λ 27 11 41.79 L 73 55 23.23 No. 675</p>	<p>Gurhággarh, XXVII (Vide page 16—F.)</p> <p>λ 32 37 59.93 L 75 4 32.49 H 2033 h 2 No. 105</p>	<p>Hásalwála House. (Bikáner) Flag on Lambardár's house.</p> <p>λ 29 34 21.3 L 74 5 11.5 Nos. 846, 847</p>
<p>Gújar Sing-ka-kila s. (Lahor) On mound about 0.6 of a mile S.E. of village so called; thánah and tahsil Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the sta- tion.</p> <p>λ 31 34 6.92 L 74 22 49.92 No. 953</p>	<p>Guria House, (Bikáner) Highest.</p> <p>λ 29 17 16.3 L 74 55 52.6</p>	<p>Hassu House. (Sarsa) Flag on Rawan Ját's house.</p> <p>λ 29 53 54.5 L 74 58 51.8 Nos. 472, 473</p>
<p>Gújarwála Village. (Amritsar)</p> <p>λ 31 16 25 L 75 6 34</p>	<p>Gurúka House. (Patidá) Flag on Gulábs's house.</p> <p>λ 30 5 45.8 L 74 51 16.9 Nos. 506, 507</p>	<p>Hastiwála, LXXIV (Vide page 14—F.)</p> <p>λ 31 3 48.19 L 74 56 11.45 H 713 h 30 No. 85</p>
<p>Gúkháwáli, LVI (Vide page 12—F.)</p> <p>λ 29 44 19.08 L 74 54 42.72 H 687 h 20 No. 67</p>	<p>Handu s. (Lahor) 2.09 miles N.E. of Handu village, about 0.15 of a mile S.E. of Tájarh and on the right bank of the canal; thánah and tahsil Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 35 53.01 L 74 29 37.66 No. 946</p>	<p>Hatia s. (Bikáner) On the highest part of a sand ridge 1 mile W. of the village of Karanpur. A wood- en pin with central dot indicates the station.</p> <p>λ 29 5 30.90 L 75 6 55.81 Nos. 786, 787</p>
<p>Gúlgarh Village. (Amritsar)</p> <p>λ 31 52 38 L 74 40 35</p>	<p>Hariwála House. (Ferozpur) Flag on Bel Sing's house.</p> <p>λ 30 44 3.6 L 74 59 21.5 Nos. 573, 574</p>	<p>Házira s. (Sarsa) On a sand hill about 200 yards N.E. of village so called. A wooden pin with cen- trical dot indicates the station.</p> <p>λ 29 19 51.84 L 75 7 38.43 No. 757</p>
<p>Guniána Flag (Faridkot) On Dunia Sing's house.</p> <p>λ 30 20 30.2 L 74 59 29.1</p>	<p>Hariki s. (Lahor) On roof of house.</p> <p>λ 31 9 34.48 L 74 59 25.82</p>	<p>Hemánia s. (Bikáner) On a sand hill about 6 miles N.W. of the large village of Bidásir. Marked by a platform 2.5 ft. high and 3 ft. square.</p> <p>λ 27 54 36.76 L 74 18 15.94 No. 690</p>
<p>Gurdáspur Jail, (Gurdáspur) Flag.</p> <p>λ 32 2 53.6 L 75 26 51.6</p>	<p>Harni s. (Sarsa) On a high mound so called, about a mile N.W. of Amritsar village and about 2 miles S.E. of Jagmalárah.</p> <p>λ 29 31 27.85 L 74 44 44.25 No. 799</p>	<p>Hethiári s. (Bikáner)</p> <p>λ 27 51 20.51 L 73 33 50.25 No. 683</p>
<p>Gurdáspur Kachahri, (Gurdáspur) Flag.</p> <p>λ 32 2 39.7 L 75 26 59.4 Nos. 1066, 1067</p>	<p>Harnia h.s. (Udaipur) Pole.</p> <p>λ 25 18 57.46 L 74 41 39.87 Nos. 140, 141</p>	

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Hodiára Flag (Lahor) On house.</p> <p>λ 31 26 41'3 L 74 36 31'9</p>	<p>Jaisingwála House. (Patidla) Flag on Bhúp Sing's house.</p> <p>λ 30 8 7'4 L 74 54 12'8 Nos. 496, 497</p>	<p>Jandiála Fort, (Amritsar) Dome of minaret.</p> <p>λ 31 33 31'7 L 75 4 23'7 No. 958</p>
<p>Hushiárnagar s. (Amritsar) On mound 0·47 of a mile N.E. of that village; tahsil Sauria, thánah Bopára. A small paka reservoir 12 ft. from the station is all that remains of the buildings (Báradari) said to have stood on the mound. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 35 20'54 L 74 43 40'48 No. 938</p>	<p>Jáipur Hill Fort. (Udaipur)</p> <p>λ 25 36 51 L 75 19 16 Nos. 148, 149</p>	<p>Jandiála Gurúdwára, (Amritsar) Flag.</p> <p>λ 31 33 39'6 L 75 4 6'9 Nos. 612, 618</p>
<p>Ichra Temple, (Lahor) Spire.</p> <p>λ 31 32 19'4 L 74 21 30'8 No. 998</p>	<p>Jáipur h.s. (Udaipur)</p> <p>λ 25 35 15'69 L 75 16 26'52</p>	<p>Jandokí, LXXVIII (Vide page 14—F.)</p> <p>λ 31 22 4'07 L 74 55 50'36 H 768 h 30 No. 89</p>
<p>Indargarh Idgáh. (Jodhpur) In hill fort.</p> <p>λ 26 31 17'8 L 74 31 37'4 Nos. 225, 226</p>	<p>Ják h.s. (Mairwára) Also determined by Ajmír Revenue Survey.</p> <p>λ 26 1 56 L 74 25 10</p>	<p>Jandowála Flag (Sarsa) On Deva Dás Fakír's house.</p> <p>λ 29 47 46'1 L 74 51 58'6</p>
<p>Jábdá, XIII (Vide page 7—F.)</p> <p>λ 25 12 0'41 L 75 19 39'55 H 1815 h 2 Nos. 15, 21</p>	<p>Jalálabad Mosque, (Amritsar) Dome.</p> <p>λ 31 26 52'1 L 75 14 8'1</p>	<p>Jandúka House. (Jind) Flag on Mohan Dás Sádhu's house.</p> <p>λ 30 9 41'6 L 75 11 13'7 Nos. 514, 515</p>
<p>Jagápúr, I (Vide page 6—F.)</p> <p>λ 24 16 18'26 L 74 55 11'78 H 1823 h Not forthcoming. No. 2</p>	<p>Jalálana Flag (Sarsa) On clay mound near tank.</p> <p>λ 29 48 34'2 L 74 56 21'0</p>	<p>Jándwála House. (Hisar) Flag on Prem Sukh Lambardár's house.</p> <p>λ 29 18 36'5 L 75 18 20'9 No. 794</p>
<p>Jagatpur House. (Amritsar) Flag on Thákur Sing's house.</p> <p>λ 31 42 11'9 L 75 3 36'1 Nos. 623, 624</p>	<p>Jalo s. (Lahor) On mound about 0·25 of a mile S.W. of that village; tahsil and thánah Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 34 17'33 L 74 32 0'58 No. 945</p>	<p>Janer House. (Ferozpur) Flag on Khazána Ját's house.</p> <p>λ 30 53 57'9 L 75 12 5'6 No. 690</p>
<p>Jagmalwáli Flag (Sarsa) On Sába Sing's house.</p> <p>λ 29 50 34'3 L 74 57 5'5</p>	<p>Jalo Turret, (Lahor) Paka.</p> <p>λ 31 34 33'3 L 74 32 8'6 No. 970</p>	<p>Jánoji Hill Temple. (Jodhpur) Also called Rewat Hill Temple.</p> <p>λ 26 53 52'0 L 74 19 20'5 Nos. 237, 238</p>
<p>Jáhman s. (Lahor) On Mohar Bania's paka house; thánah and tahsil Lahor. A platform with trigonometrical mark inscribed thereon defines the station.</p> <p>λ 31 21 26'11 L 74 34 18'25 No. 878</p>	<p>Jámbola h.s. (Ajmír) Also determined by Ajmír Revenue Survey.</p> <p>λ 26 8 2'05 L 74 37 44'84 Nos. 182, 183</p>	<p>Jasar Khás Flag (Amritsar) On Lába Bania's house.</p> <p>λ 32 5 28'3 L 74 59 1'3</p>
	<p>Jandawála s. (Patidla) On mound.</p> <p>λ 30 4 45'77 L 75 3 44'15 Nos. 502, 503</p>	<p>Jasi Bághwáli House. (Patidla) Flag on Kán Sing's house.</p> <p>λ 30 9 17'6 L 75 0 32'2 Nos. 512, 513</p>
	<p>Jandiála City. (Amritsar) Stick on turret.</p> <p>λ 31 33 28'7 L 75 4 5'7</p>	<p>Jasi Flag (Patidla) On Bakhtáwar Dás Fakír's house.</p> <p>λ 30 3 7'8 L 74 51 23'8</p>

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Ját, VI (<i>Vide page 6—F.</i>) λ 24 50 4'18 L 75 0 24'92 H 1872 h 3 Nos. 10, 17	Jhákárwála Flag (<i>Farúkkot</i>) On Jhákár Sing's tower. λ 30 28 59'1 L 75 0 8'0	Jogíwála Kalán. (<i>Sarsa</i>) Flag on Sela Sing's house. λ 29 57 32'5 L 74 48 23'3
Ját's Temple, (<i>Amritsar</i>) Kalas. λ 31 21 22'8 L 75 9 41'2	Jhandiána Dharmśála, (<i>Ferozpur</i>) Flag. λ 30 47 57'9 L 74 59 18'6 Nos. 581, 582	Jogíwála Khurd. (<i>Patidála</i>) Flag on Dal Sing's house. λ 29 53 8'8 L 75 6 24'7
Jaul Village. (<i>Amritsar</i>) λ 31 18 42 L 75 6 41	Jhundiwála s. (<i>Bikáner</i>) On a mound about 5 miles N. of the village of Gopálsir. λ 29 8 0'91 L 73 41 23'43 No. 818.	Jukanwála Village, (<i>Ferozpur</i>) Flag on Híra Bania's house. λ 30 54 43'7 L 74 53 30'8
Jaura Shiwála. (<i>Amritsar</i>) λ 31 21 49'1 L 74 53 33'0 Nos. 882, 883	Jhundwála s. (<i>Bikáner</i>) In the centre of the village of that name. Station mark on Sagwar Khán Lambar-dár's house. λ 29 38 50'50 L 74 15 39'65 No. 806	Jundah Hill. (<i>Jaipur</i>) λ 26 47 59 L 74 55 51
Jaurki No. 1. (<i>Sarsa</i>) Flag on high mound (remains of village.) λ 29 28 47'0 L 74 57 23'2 Nos. 390, 391	Jhunjhunu Hill Building, (<i>Shekháwáti</i>) On E. side of hill top. λ 28 7 38'9 L 75 25 38'1 Nos. 309, 310	Kabarkund Hill, (<i>Jodhpur</i>) Pole. λ 27 5 50'8 L 74 51 32'0
Jaurki No. 2. (<i>Sarsa</i>) Flag on high mound (remains of village.) λ 29 28 23'8 L 74 57 15'2	Jhunprah Flag (<i>Sarsa</i>) On Bhúp Ját's house. λ 29 35 48'5 L 75 4 51'9	Kachola Hill Mark. (<i>Udaipur</i>) λ 25 24 10'61 L 75 10 13'09
Jawal h.s. (<i>Udaipur</i>) λ 25 22 1'06 L 75 2 0'55	Jili Hill Temple. (<i>Jodhpur</i>) λ 27 36 38'8 L 74 16 33'7 Nos. 723, 724	Kachola Hill Temple. (<i>Udaipur</i>) λ 25 24 2'0 L 75 10 3'5 Nos. 133, 134
Jawal Hill Temple. (<i>Udaipur</i>) λ 25 21 59'1 L 75 1 47'5 No. 132	Jípiá Hill Pagoda. (<i>Udaipur</i>) λ 25 24 40 L 74 38 23 Nos. 170, 171	Káderá, XVIII (<i>Vide page 8—F.</i>) λ 25 48 15'45 L 75 4 21'89 H 1208 h 0 Nos. 24, 27
Jetgarh, XXV (<i>Vide page 9—F.</i>) λ 26 18 6'39 L 74 21 4'09 H 1967 h 3 No. 37	Jíwanwála Flag (<i>Farúkkot</i>) On Debi Dat Khatri's house. λ 30 39 23'6 L 74 58 52'5	Káhkaka s. (<i>Amritsar</i>) 0'6 of a mile S.W. of village so called; and in centre of a field 0'7 of a mile from the right bank of the Rávi; thánah and tahsil Narowál. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station. λ 32 4 2'65 L 75 1 9'19 No. 1035
Jetna Hill. (<i>Ajmír</i>) λ 26 16 40 L 74 32 35	Jodhpur House. (<i>Sarsa</i>) Flag on Kishan Ját's house. λ 29 37 10'2 L 74 56 46'4	Kailá-Vándar, LXI (<i>Vide page 12—F.</i>) λ 30 3 48'27 L 75 2 36'77 H 727 h 30 No. 72
Jetu Tahsíl, (<i>Nábha</i>) Flag. λ 30 27 7'0 L 74 55 48'3 Nos. 547, 548	Jodhpur Mound. (<i>Patidála</i>) Flag on mound near village. λ 30 8 43'5 L 74 57 15'8	Kájpura Hill. (<i>Kishanganj</i>) λ 26 46 38 L 74 51 13 No. 243
	Jogánand Flag (<i>Ferozpur</i>) On Bahál Sing's house. λ 30 15 28'0 L 75 0 54'8	

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<p>Kakkar s. (Amritsar) 1.25 miles N. of village so called, about 0.4 of a mile S.W. of Kakkar ghát and on the left bank of the Rávi; thánah and tahsil Sauria. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 44 16.43 L 74 34 51.13 No. 1007</p>	<p>Kála Tibbi. (Bikáner)</p> <p>λ 29 22 26 L 74 17 17</p>	<p>Kanjan s. (Bikáner) On a high sandy ridge about 0.5 of a mile W. of that village. It is indicated by a wooden pin with a central dot.</p> <p>λ 28 47 29.11 L 75 15 59.91 Nos. 743, 744</p>
<p>Kakkar Turret, (Amritsar) Highest.</p> <p>λ 31 43 8.3 L 74 35 3.7 No. 1052</p>	<p>Káli Thal s. (Bikáner) On a sand hill about 2 miles W. of Rári village. A platform 3 ft. square and 3 ft. high marks the station.</p> <p>λ 27 56 6.29 L 74 5 49.10 No. 688</p>	<p>Kanjari-ka-Pul (Amritsar) Báradari.</p> <p>λ 31 37 59.8 L 74 35 40.6 No. 969</p>
<p>Kála Guria s. (Gurdáspur) On a high mound about 500 yards N.W. of village of that name and about 0.5 of a mile S.E. of the village of Padhal; thánah Kalánúr, tahsil Gurdáspur.</p> <p>λ 31 57 24.88 L 75 14 25.48 No. 1059</p>	<p>Kallá, LXXIX (Vide page 14—F.)</p> <p>λ 31 26 8.72 L 75 4 8.15 H 78.4 h 30 No. 90</p>	<p>Kanjúr House. (Gurdáspur) Flag on Díván Jawáhar Sing's house.</p> <p>λ 32 8 49.6 L 75 2 33.6 Nos. 656, 657</p>
<p>Kála Khatái Village. (Amritsar)</p> <p>λ 31 49 26 L 74 32 33</p>	<p>Kálu Village. (Amritsar)</p> <p>λ 31 56 4 L 74 44 7</p>	<p>Kántolá, XVII (Vide page 7—F.)</p> <p>λ 25 47 1.28 L 75 17 29.78 H 19.09 h 2 No. 26</p>
<p>Kalaki s. (Lahor) On house.</p> <p>λ 31 7 1.86 L 74 49 39.46</p>	<p>Kamálpur s. (Amritsar) 0.37 of a mile W. of the principal village of that name and 0.6 of a mile from the left bank of the Rávi; tahsil Sauria, thánah Chamíári. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 1 2.06 L 74 55 45.11 No. 1029</p>	<p>Kánúpur Turret, (Amritsar) In village.</p> <p>λ 31 38 1.6 L 74 51 3.4 No. 962</p>
<p>Kalánúr House. (Gurdáspur) Flag on Azíz Khán's house.</p> <p>λ 32 0 48.1 L 75 11 33.4 Nos. 650, 651</p>	<p>Kámeh Square Building, (Amritsar) Centre.</p> <p>λ 31 22 38.6 L 75 10 58.6</p>	<p>Kapúrthala Palace, (Jallandar) Staircase seat.</p> <p>λ 31 22 59.5 L 75 25 11.7</p>
<p>Kalanwáli House. (Sarsa) Flag on Rudru Bhát's house.</p> <p>λ 29 50 2.2 L 75 0 41.4 Nos. 468, 469</p>	<p>Kamírpur Date Tree. (Jallandar)</p> <p>λ 31 12 53.3 L 75 8 43.7</p>	<p>Kapúrthala Temple. (Jallandar) Kalas of a large white temple which stands in centre of a group of smaller ones.</p> <p>λ 31 22 59.3 L 75 25 29.5</p>
<p>Kalarwála s. (Bikáner) On a mound about 3 miles N.W. of the village of Thoiah.</p> <p>λ 28 53 8.27 L 73 32 44.68 No. 822</p>	<p>Kamria Temple, (Sarsa) Spire.</p> <p>λ 29 35 55.1 L 74 30 38.3 Nos. 837, 838</p>	<p>Karánda s. (Amritsar) On mound adjoining the place of burial, 0.41 of a mile N.E. of that village; jágr of Shám Sing (Atáriwála), thánah Bopára. A paka pillar 1 ft. high and 8 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 36 44.08 L 74 42 4.46 No. 939</p>
<p>Kálá-Thal, L (Vide page 11—F.)</p> <p>λ 29 18 57.71 L 74 53 33.82 H 693 h 10 No. 61</p>	<p>Kána s. (Lahor) On top of Híta Sing Zamíndár's house; thánah and tahsil Lahor. A platform with trigonometrical mark inscribed thereon, defines the station.</p> <p>λ 31 22 9.79 L 74 24 33.68 Nos. 892, 893</p>	<p>Karmúwála House. (Ferozpur) Flag on highest house.</p> <p>λ 30 55 5.6 L 74 51 42.4 Nos. 869, 870</p>
<p>Kála Tho Hill. (Shekháwáti) Clump of trees.</p> <p>λ 27 46 22 L 75 36 55 Nos. 285, 286</p>	<p>Kánákauta Village. (Gurdáspur)</p> <p>λ 32 5 49 L 75 16 49</p>	<p>Kartárpur Gurúdwára, (Jallandar) Temple.</p> <p>λ 31 26 38.9 L 75 32 28.5</p>

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<p>Kasowála s. (Amritsar) 0·33 of a mile N.W. of that village and about 0·5 of a mile from the left bank of the Rávi; tahsil Sauria, thánah Chamiári. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 2 31·95 L 74 57 38·04 No. 1031</p>	<p>Khairáki House. (Sarsa) Flag on Jassa Sing's house.</p> <p>λ 29 35 52·8 L 75 3 22·9 Nos. 413, 414</p>	<p>Khárián House. (Sarsa) Flag on Uda Ját's house.</p> <p>λ 29 36 56·5 L 74 53 53·7 Nos. 431, 432</p>
<p>Kasúr House. (Lahor) Flag on Bába Nau Nihál's house in town.</p> <p>λ 31 7 7·1 L 74 29 24·9 Nos. 903, 904</p>	<p>Khairwála, XLVIII (Vide page 11—F.)</p> <p>λ 29 8 27·91 L 74 52 33·32 H 74·0 h 6 No. 59</p>	<p>Khásha s. (Amritsar) On the slight elevation 0·28 of a mile S.W. of that village; tahsil Sauria, thánah Bopára. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 36 44·92 L 74 44 56·94 No. 937</p>
<p>Kasúr s. (Lahor) On top of the large dome of building used as Kachahri and residence of the Assistant Commissioner and about 1 mile E. of town. A trigonometrical mark inscribed on the top defines the station.</p> <p>λ 31 6 46·83 L 74 30 30·96 No. 880</p>	<p>Khakh s. (Amritsar) On high ground 0·61 of a mile W. of that village and about 100 yards S.E. of Rája Teja Sing's Dharmasála; tahsil Amritsar, thánah Jandiála. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 30 47·56 L 75 8 4·66 Nos. 916, 917</p>	<p>Kheda Flag (Amritsar) On Fatia's house.</p> <p>λ 31 19 34·7 L 74 58 51·4</p>
<p>Kathánia s. (Amritsar) In the open ground 1·31 miles S. of that village; thánah Bopára, jágir of Atar Sing Kaláwála. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 37 6·33 L 74 47 31·79 No. 935</p>	<p>Khakká, LXXXVIII (Vide page 15—F.)</p> <p>λ 32 6 19·44 L 74 57 37·85 H 82·4 h 30 No. 99</p>	<p>Khemkaran House, (Lahor) Flag in town.</p> <p>λ 31 8 51·0 L 74 36 3·2 Nos. 901, 902</p>
<p>Káttoh h.s. (Jodhpur)</p> <p>λ 27 7 37·02 L 74 20 44·88 No. 673</p>	<p>Khalwála s. (Bikáner) On a high mound about 0·8 of a mile S.W. of the village of that name.</p> <p>λ 29 4 49·14 L 73 23 48·57 No. 820</p>	<p>Khiáli s. (Bikáner) On the highest part of a sand ridge about a mile S.W. of Khiáli. It is indicated by a wooden pin with a central dot.</p> <p>λ 28 45 22·38 L 75 26 30·20 No. 746</p>
<p>Káttoh Hill Temple. (Jodhpur) Mátha's, on low range N.W. of town.</p> <p>λ 27 12 50·5 L 74 17 33·1 Nos. 253, 254</p>	<p>Khámor, XIX (Vide page 8—F.)</p> <p>λ 25 45 15·01 L 74 49 56·37 H 1393 h 2 No. 28</p>	<p>Khímúána, LXV (Vide page 13—F.)</p> <p>λ 30 22 14·82 L 75 3 9·70 H 731 h 11 No. 76</p>
<p>Káttoh Hill Tomb. (Jodhpur) Centre of dome of easternmost building on range.</p> <p>λ 27 9 43·8 L 74 23 36·3 Nos. 249, 250</p>	<p>Khana Village. (Ferozpur)</p> <p>λ 31 5 19 L 75 10 47</p>	<p>Khíuwáli Flag (Sarsa) On Hira Sing Lambardár's house.</p> <p>λ 29 45 46·7 L 74 59 6·3</p>
<p>Kewal House. (Sarsa) Flag on Jiwá Sing Chípa's house.</p> <p>λ 29 51 58·9 L 75 5 3·2 Nos. 476, 477</p>	<p>Khandúr Temple, (Amritsar) Golden Kalas.</p> <p>λ 31 25 31·8 L 75 8 27·3 No. 956</p>	<p>Khoáspur Hill Tomb. (Amritsar)</p> <p>λ 31 23 1·9 L 75 8 28·7</p>
<p>Khaba s. (Amritsar) In a field some 20 ft. E. of the road from Tarn Taran to Batála and N. of Khaba; tahsil Amritsar, thánah Jandiála. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 30 25·23 L 75 0 51·61 No. 919</p>	<p>Khángah Building. (Amritsar) Centre of square white building.</p> <p>λ 31 12 55·8 L 75 4 53·9</p>	<p>Khoáspur House. (Amritsar) Flag on Nihála Khatri's house.</p> <p>λ 31 23 16·1 L 75 8 27·4 No. 605</p>
	<p>Khapar Khári Turret (Amritsar)</p> <p>λ 31 35 47·1 L 74 50 13·4 No. 960</p>	<p>Khoáspur Temple, (Amritsar) Kalas.</p> <p>λ 31 23 14·1 L 75 8 29·7</p>
		<p>Khokar Flag (Sarsa) On Murdi Biloch's house.</p> <p>λ 29 54 15·5 L 74 55 59·4</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Khoslána, XL (<i>Vide page 10—F.</i>)</p> <p>λ 28 24 47'84 L 74 55 7'36 H 973 h 6 No. 51</p> <p>Khukrána House. (<i>Ferozpur</i>) Flag on Atma Rám Gusáin's house. λ 30 49 38'0 L 75 1 22'5 Nos. 575, 576</p> <p>Khuráli s. (<i>Jodhpur</i>) λ 27 6 59'77 L 73 35 26'29 No. 677</p> <p>Kingri House. (<i>Sarsa</i>) Flag on Rám Dás Fakír's house. λ 29 49 22'2 L 74 51 45'4 Nos. 466, 467</p> <p>Kinsirrá, XXVIII (<i>Vide page 9—F.</i>) λ 26 54 25'39 L 74 44 27'46 H 2423 h 1 No. 39</p> <p>Kinsirra Hill Temple. (<i>Jodhpur</i>) λ 26 54 24'9 L 74 44 27'4 Nos. 263, 264</p> <p>Kiránípura Hill Mark. (<i>Ajmir</i>) λ 26 26 16'79 L 74 43 3'00</p> <p>Kirián Village. (<i>Amritsar</i>) λ 31 10 32 L 75 1 16</p> <p>Kisangarh Hill Fort. (<i>Kishanganj</i>) λ 26 33 57 L 74 54 10 Nos. 241, 242</p> <p>Kisanpúrá, XXVI (<i>Vide page 9—F.</i>) λ 26 30 44'16 L 74 32 1'06 H 2563 h 1 Nos. 36, 38</p>	<p>Kishangarh Hill Fort. (<i>Udaipur</i>)</p> <p>λ 25 28 25 L 75 17 41 No. 144</p> <p>Kishanpura House. (<i>Bikáner</i>) Flag on Kán Sing Zamíndár's house. λ 28 44 0'4 L 75 23 15'4 Nos. 777, 778</p> <p>Kolio Hill (<i>Jodhpur</i>) Pole. λ 27 20 21'1 L 74 30 8'5</p> <p>Kondiáwás h.s. (<i>Jodhpur</i>) Also determined by Ajmir Revenue Survey. λ 26 40 34'76 L 74 45 31'01 Nos. 213, 214</p> <p>Korandi Hill (<i>Jodhpur</i>) Pole. λ 27 18 13'0 L 75 7 7'8 Nos. 273, 274</p> <p>Kot Guru House. (<i>Ferozpur</i>) Flag on Chechal Sing's house. λ 30 26 31'8 L 75 8 5'9 Nos. 541, 542</p> <p>Kot Ise Khán House. (<i>Ferozpur</i>) Flag on Batta Bania's house. λ 30 57 34'5 L 75 11 15'7 No. 589</p> <p>Kotli House. (<i>Ferozpur</i>) Flag on Rámjas Bráhmañ's house. λ 30 21 0'4 L 74 49 37'7 Nos. 860, 861</p> <p>Kotli Mosque, (<i>Amritsar</i>) Spire. λ 31 28,6'9 L 75 10 9'7 No. 667</p> <p>Kotli No. 1 s. (<i>Fardkót</i>) On mound about 0'75 of a mile S.E. of Kotli village. Marked by a paka platform 1 ft. high and 3 ft. in diameter. λ 30 20 52'34 L 74 50 19'43 No. 855</p>	<p>Kotli No. 2, s. (<i>Amritsar</i>) On mound 0.19 of a mile N.W. of that village; tahsil Amritsar, thánah Bopára. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station. λ 31 34 52'18 L 74 48 35'91 No. 934</p> <p>Kotli No. 3 s. (<i>Amritsar</i>) 0'30 of a mile S.E. of that village and 0'7 of a mile from the right bank of the Rávi; tahsil and thánah Narowál. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station. λ 32 3 41'52 L 74 56 6'23 No. 1080</p> <p>Kotli Village. (<i>Amritsar</i>) λ 31 31 15 L 74 57 44</p> <p>Kot Muhammad Khán House. (<i>Amritsar</i>) Flag on Karm Chand Khatri's house. λ 31 21 20'6 L 75 3 43'4 Nos. 603, 604</p> <p>Kot s. (<i>Amritsar</i>) 0'99 of a mile N. of village so called and on the left bank of the Rávi; tahsil Sauria, thánah Chamiári. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station. λ 31 57 5'68 L 74 51 11'88 No. 1025</p> <p>Kot Samír Flag (<i>Patiála</i>) On Dakka Sing's house. λ 30 6 32'0 L 75 2 50'9</p> <p>Krár Kot House. (<i>Sarsa</i>) Flag on Garra Sing's house. λ 29 37 44'2 L 75 9 8'6 Nos. 417, 418</p> <p>Kuás, White Building. (<i>Ajmir</i>) λ 25 50 15'5 L 75 8 18'3</p> <p>Kucháwan Temple, (<i>Jodhpur</i>) In hill fort. λ 27 9 15'1 L 74 53 58'0 Nos. 267, 268</p> <p>Kukoia Hill Mark. (<i>Udaipur</i>) λ 25 30 6'00 L 74 44 55'92</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Kumáribhár Tibba. (<i>Bikáner</i>) λ 28 29 29 L 75 20 0	Lahor House. (<i>Lahor</i>) Apparent centre of Sir Henry Lawrence's house. λ 31 33 25.7 L 74 22 38.1	Lakhúder s. (<i>Lahor</i>) 0.24 of a mile N.W. of village so called and 0.25 of a mile from the left bank of the Rávi; tahsil and thánah Lahor. Marked by a paka pillar 4 ft. high and 3 ft. in diameter with mark-stones at top and bottom. λ 31 36 38.87 L 74 26 57.51 No. 948
Kumra s. (<i>Amritsar</i>) 1.41 miles S.W. of that village and immediately on the left bank of the Rávi; tahsil Sauria, thánah Chamiári. A pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station. λ 31 58 53.35 L 74 53 10.29 No. 1027	Lahor Saman Burj, (<i>Lahor</i>) Pulley on turret. λ 31 35 24.7 L 74 21 18.6 Nos. 975, 976	Lákhú-Jorar Flag (<i>Sarsa</i>) On Tulsi Dás's house. λ 29 43 43.0 L 75 7 8.1
Kumandwálá, LXIX (<i>Vide page 13—F.</i>) λ 30 39 37.85 L 75 4 21.01 H 74.5 h 21 No. 80	Lahor Sonahri Mosque, (<i>Lahor</i>) Kalas of centre dome. λ 31 35 0.2 L 74 21 40.7 No. 990	Landa s. (<i>Bikáner</i>) On a mound 2 miles S.W. of the village of Kharbera. λ 28 57 48.91 L 73 28 30.86 No. 821
Lachmangarh Hill Fort, (<i>Shekhawáti</i>) Bastion Flag. λ 27 49 24.4 L 75 4 0.4 Nos. 287, 288	Lahor Temple. (<i>Lahor</i>) Golden Kalas over Ranjít Sing's ashes. λ 31 35 22.5 L 74 21 11.0 Nos. 977, 978	Lande House. (<i>Ferozpur</i>) Flag on Lal Sing's house. λ 30 39 46.9 L 75 1 26.1 Nos. 562, 563
Ládno House. (<i>Jodhpur</i>) Flag on Seoji Bania's house. λ 27 38 33.0 L 74 26 5.5 Nos. 735, 736	Lahor Wazír Khán's Mosque, (<i>Lahor</i>) N.W. minaret Kalas. λ 31 35 1.3 L 74 21 54.3 Nos. 982, 983	Laskarwála House. (<i>Bikáner</i>) Flag on Haskari Rart's house. λ 29 31 33.7 L 74 2 14.7 Nos. 848, 849
Lahor Anár Kali's Tomb, (<i>Lahor</i>) Spire on dome. λ 31 34 3.7 L 74 20 32.5 Nos. 992, 993	Lakarála s. (<i>Bikáner</i>) On a mound within the Alwána boundary. There are no villages within 4 miles of the station. λ 29 27 15.62 L 73 44 48.23 No. 814	Lasúr Hill Fort, (<i>Nimach</i>) Tree. λ 24 35 9.7 L 75 6 41.1 No. 110
Lahor Artillery Mess. (<i>Lahor</i>) Flag over mark on centre of roof of house in Anár Kali. λ 31 34 4.9 L 74 20 58.1 Nos. 994, 995	Lakarwála, LXVII (<i>Vide page 13—F.</i>) λ 30 30 33.92 L 75 4 42.13 H 73.6 h 25 No. 78	Lilás House. (<i>Bikáner</i>) Flag on highest house. λ 28 50 58.5 L 75 34 42.0 No. 781
Lahor Bádsháhi Masjid. (<i>Lahor</i>) Golden Kalas of centre dome. λ 31 35 17.5 L 74 21 3.6 Nos. 895, 896	Lakarwála House. (<i>Sarsa</i>) Flag on Rám Sing Lambardár's house. λ 29 46 4.2 L 75 1 44.7 Nos. 442, 443	Liláwáli s. (<i>Bikáner</i>) Mark on top of a Bania's house, S.E. side of village. λ 29 41 44.30 L 74 25 7.31 No. 889
Lahor Board's Office, (<i>Lahor</i>) Spire on dome in Anár Kali. λ 31 34 5.3 L 74 20 35.8 Nos. 996, 997	Lakháriwála s. (<i>Bikáner</i>) On sand Mill about 1.5 miles N.W. of Sandwa village and one mile S.E. of Bharásir village. A platform 3 ft. square and 3 ft. high marks the station. λ 27 46 14.15 L 74 11 58.41 No. 689.	Loárwára h.s. (<i>Ajmir</i>) Also determined by Ajmir Revenue Survey. λ 26 14 54.83 L 74 49 54.25 Nos. 207, 208
Lahor Haveli. (<i>Lahor</i>) Flag on turret of Mahájan Gangú Sháh's haveli. λ 31 34 50.7 L 74 21 23.2	Lakhowála s. (<i>Gurdáspur</i>) On mound about 0.25 of a mile N.W. of the village and about 0.75 of a mile W. of Mustafabad; tahsil and thánah Gurdáspur. λ 32 4 12.82 L 75 22 57.69 No. 1064	Lodhigújur Village. (<i>Amritsar</i>) λ 31 44 26 L 74 36 55

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Lohangnáth-ka-Thari Mound, (Bikáner) Flag.</p> <p>λ 29 35 19'8 L 74 26 17'2 Nos. 831, 832</p>	<p>Madiála s. (Amritsar) In the open ground 1'01 miles S.W. of that village; thánah Amritsar, tahsil Tarn Taran. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 33 33'63 L 74 54 12'57 No. 925</p>	<p>Majáng s. (Lahor) On mound 0'24 of a mile S. of that village; thánah and tahsil Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 33 5'43 L 74 21 34'37 No. 955</p>
<p>Lohára, VIII (Vide page 6—F.)</p> <p>λ 24 47 35'31 L 75 14 55'21 H 1770 h 8 No. 11</p>	<p>Mága Bháti s. (Jodhpur)</p> <p>λ 27 27 7'96 L 73 47 32'91 No. 679</p>	<p>Májima s. (Amritsar) 0'29 of a mile W. of the village so called, 0'1 of a mile from the left bank of the Rávi and on the left bank of the Nála branching from that River a little above the station; thánah and tahsil Sauria. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 53 9'81 L 74 41 41'03 No. 1017</p>
<p>Lohára Hill Tree. (Holkar's Territory)</p> <p>λ 24 47 36'6 L 75 15 9'8</p>	<p>Máhágarh, II (Vide page 6—F.)</p> <p>λ 24 23 1'45 L 75 14 10'01 H 1585 h 3 No. 4</p>	<p>Majítha House. (Amritsar) Flag on Sardár Laina Sing's house.</p> <p>λ 31 45 41'7 L 74 59 53'0 Nos. 635, 636</p>
<p>Lokhi Tibba. (Bikáner)</p> <p>λ 29 8 14 L 75 21 37</p>	<p>Máhágarh Hill Tree. (Holkar's Territory)</p> <p>λ 24 24 14'9 L 75 13 43'2</p>	<p>Májra Mound, (Gurdáspur) Flag.</p> <p>λ 32 13 58'5 L 75 9 29'8 No. 662</p>
<p>Luliáni s. (Lahor) On top of Deva Sing carpenter's house; thánah and tahsil Kasúr. A platform with trigonometrical mark inscribed thereon defines the station.</p> <p>λ 31 15 8'33 L 74 27 48'97 No. 879</p>	<p>Maháta Tower. (Patiala) Flag on Nanda Bania's tower.</p> <p>λ 30 6 12'2 L 74 58 5'1 Nos. 508, 509</p>	<p>Mákar Thal, XLIII (Vide page 11—F.)</p> <p>λ 28 41 17'23 L 75 4 27'09 H 830 h 6 No. 54</p>
<p>Jángí, XC (Vide page 15—F.)</p> <p>λ 32 16 6'68 L 74 58 40'51 H 889 h 30 No. 101</p>	<p>Mahini Flag (Amritsar) On Jaimal Sing's house.</p> <p>λ 31 41 11'4 L 75 3 24'8</p>	<p>Makásir Mound, (Bikáner) Flag in deserted village.</p> <p>λ 29 34 52'3 L 74 16 30'9 Nos. 840, 841</p>
<p>Lungíána House. (Ferozpur) Flag on Kánha Bráhma's house.</p> <p>λ 30 43 6'1 L 75 3 41'9 Nos. 567, 568</p>	<p>Maihná, LXIII (Vide page 12—F.)</p> <p>λ 30 13 11'64 L 75 2 9'94 H 730 h 12 No. 74</p>	<p>Makhan-Vindi Fort. (Amritsar) Flag on S.E. bastion of Daya Sing's ruined fort.</p> <p>λ 31 39 58'5 L 75 3 7'1 Nos. 621, 622</p>
<p>Machí-Nangal, LXXXIV (Vide page 15—F.)</p> <p>λ 31 48 17'93 L 74 56 37'91 H 804 h 30 No. 95</p>	<p>Mailú-Sailú, LXXXIX (Vide page 15—F.)</p> <p>λ 32 10 40'06 L 75 6 51'51 H 871 h 15 No. 100</p>	<p>Malakpur s. (Lahor) N. of and adjoining the village so called and on the left bank of the Rávi; thánah Awan, tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 40 51'19 L 74 30 51'37 No. 1003</p>
<p>Machiwára Village, (Ferozpur) Flag.</p> <p>λ 30 54 10 L 74 46 23</p>	<p>Mairá Dás, XXXII (Vide page 9—F.)</p> <p>λ 27 35 59'45 L 74 56 10'95 H 1317 h 3 No. 43</p>	<p>Malakpur Village. (Lahor)</p> <p>λ 31 40 19 L 74 30 31</p>
<p>Mádho Singhána House. (Sarsa) Flag on Isar Lambardár's house.</p> <p>λ 29 25 29'7 L 74 58 12'5 Nos. 384, 385</p>	<p>Mairwála s. (Sarsa) On mound (remains of village):</p> <p>λ 29 33 51'06 L 75 10 3'98 No. 392</p>	

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Mala Village. (Amritsar) " " "	Mánawála Flag (Amritsar) On Sádul Sing's house. "	Mangiána Flag (Sarsa) On Bimu Ját's house. "
λ 31 28 46 L 75 7 28	λ 31 35 29'4 L 75 0 57'0	λ 29 55 27'9 L 74 50 10'5
Malan s. (Ferozpur) On roof of Guru Albel Sing's paka house in centre of village and near the domed tombs of Kán Sing and Abha Rám.	Mandal Minaret. (Udaipur)	Maniálha s. (Lahor) On Sardár Kán Sing's house; thánah Patti, tahsil Kasúr. A trigonometrical mark defines the station.
λ 30 24 7'09 L 74 46 28'41 No. 857	λ 25 26 27'7 L 74 36 25'3 No. 169	λ 31 17 29'92 L 74 49 57'02 No. 875
Malána Tibba. (Bikáner)	Mandalgarh, XII (Vide page 7—F.)	Maniára Bastion, (Lahor) Turret.
λ 28 39 41 L 75 15 6 Nos. 765, 766	λ 25 13 5'19 L 75 7 37'33 H 1783 h 6 No. 14	λ 31 31 47'2 L 74 35 11'6 No. 978
Maláwála s. (Bikáner) On a peak about 200 yards from the extreme end of a ridge of sand running E. and W. and about 4 or 5 miles S.E. of the village of Belochia.	Mandalgarh N. Minaret. (Udaipur)	Mániksir s. (Bikáner) On mud tower in the centre of vil- lage so called.
λ 29 10 38'86 L 73 30 54'09 No. 817	λ 25 12 21'8 L 75 8 5'8 No. 127	λ 29 39 49'93 L 74 25 51'27 No. 805
Malkána Dharmśála, (Patidla) Flag.	Mandalgarh s. (Udaipur) On platform on E. side of temple, (since destroyed)	Manja Mosque, (Amritsar) Spire in village.
λ 29 56 7'8 L 75 4 39'9 Nos. 474, 475	λ 25 13 4'76 L 75 7 37'91 Nos. 118, 119	λ 31 43 38'8 L 74 36 17'2 No. 1051
Málkherá, V (Vide page 6—F.)	Mandalgarh S. Minaret. (Udaipur)	Márant Hill (Jodhpur) Pole.
λ 24 34 25'76 L 75 8 32'91 H 1808 h 8 Nos. 1, 5, 8, 9	λ 25 12 21'4 L 75 8 5'4 No. 126	λ 27 6 15'6 L 75 7 19'0 Nos. 259, 260
Malúka Flag (Ferozpur) On Ala Sing's house.	Mandalgarh Temple. (Udaipur) In fort.	Mári Tomb. (Ferozpur) Flag on paka tomb.
λ 30 25 47'5 L 75 5 43'0	λ 25 12 33'7 L 75 8 14'9 Nos. 124, 125	λ 30 35 53'5 L 75 6 43'5 Nos. 555, 556
Malwal House. (Patidla) Flag on Wazír Sing Lambardár's house.	Mandáwa Tower. (Shekháwáti) Centre of tower in town.	Marl Village. (Lahor)
λ 30 2 47'7 L 74 56 56'6 Nos. 486, 487	λ 28 3 12'7 L 75 11 23'7 Nos. 295, 296	λ 31 40 4 L 74 27 35
Mamiwála Tibbi s. (Bikáner) On a mound about 2 miles S.W. of the village of Hathosir and derives its name from a small tank close below the mound.	Mandhiári s. (Amritsar) S. of village so called and on the right bank of the Rávi; thánah Miáni, jágir of Mahtáb Sing of Maura. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.	Masteki s. (Ferozpur) On ruins of fort.
λ 28 55 6'23 L 73 31 35'88 No. 852	λ 31 51 56'46 L 74 37 19'88 No. 1014	λ 31 2 54'25 L 74 43 56'91
Man House. (Gurdáspur) Flag on Kán Sing's house.	Mangála Flag (Sarsa) On Mulka Rái's house.	Mastgarh Flag (Lahor) On house.
λ 31 50 56'0 L 75 3 44'5 No. 639	λ 29 28 26'8 L 74 59 48'0	λ 31 10 39'6 L 74 34 15'6
	Masúda h.s. (Ajmir) Also determined by Ajmir Revenue Survey.	λ 26 5 4'21 L 74 31 49'39 Nos. 185, 186

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Masúda Palace. (Ajmir)</p> <p style="text-align: center;">o ' "</p> <p>λ 26 5 27'8 L 74 32 49'3 No. 192</p>	<p>Miáni Village. (Amritsar)</p> <p style="text-align: center;">o ' "</p> <p>λ 31 21 12 L 75 11 32</p>	<p>Míra-di-kui s. (Lahor) On top of a brickkiln 40 ft. high, 0'29 of a mile E. of village so called, 0'15 of a mile S.W. of Rája Teja Sing's garden, and 0'2 of a mile N. of Rája Dina Náth's garden; thánah and tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p style="text-align: center;">o ' "</p> <p>λ 31 35 21'35 L 74 23 31'66 No. 951</p>
<p>Máthá Chúl, XLIV (Vide page 11—F.)</p> <p>λ 28 47 7'94 L 74 54 36'14 H 843 h 6 No. 55</p>	<p>Miánmir Bastion. (Lahor) Small turret on S.W. bastion.</p> <p>λ 31 32 49'5 L 74 23 54'3 No. 999</p>	<p>Mirjáhwála s. (Bikáner) On a mound S.E. of the village of Lakhowála.</p> <p>λ 28 48 52'98 L 73 24 35'41 No. 823</p>
<p>Mátháji Kheri Hill Temple. (Udaipur)</p> <p>λ 25 43 3'0 L 74 28 34'5 No. 178</p>	<p>Miánmir Church, (Lahor) Steeple.</p> <p>λ 31 31 15'6 L 74 25 15'3 Nos. 897, 898</p>	<p>Mirjána House. (Patiála) Flag on Kálu Rám Bania's house.</p> <p>λ 29 51 43'2 L 75 10 12'9 Nos. 470, 471</p>
<p>Mathanwála s. (Lahor)</p> <p>λ 31 6 23'41 L 74 44 39'35</p>	<p>Miánmir House. (Lahor) Flag lashed to Major Haslock's chimney.</p> <p>λ 31 31 15'9 L 74 25 2'8 Nos. 988, 989</p>	<p>Mirowál s. (Amritsar) About a mile S.E. of the town so called and on the right bank of the Rávi; thánah Miáni, jágir Atar Sing of Kala. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 55 28'68 L 74 41 33'52 No. 1018</p>
<p>Mathla Hill. (Ajmir)</p> <p>λ 26 28 19 L 74 50 41</p>	<p>Miánmir s. (Lahor) About 0'15 of a mile S.W. of the well known village of that name; thánah and tahsil Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 32 44'90 L 74 23 50'01 No. 954</p>	<p>Mírpur Flag (Sarsa) On Mír's house.</p> <p>λ 29 35 6'2 L 75 3 24'6</p>
<p>Matwála Hill. (Udaipur)</p> <p>λ 25 8 42 L 75 13 23</p>	<p>Miánmir's Tomb, (Lahor) Spire.</p> <p>λ 31 32 55'1 L 74 24 6'7 Nos. 986, 987</p>	<p>Mírta Temple. (Jodhpur)</p> <p>λ 26 38 51'4 L 74 4 31'7 Nos. 233, 234</p>
<p>Mauzudín House. (Sarsa) Flag on Mauzu Boris's house.</p> <p>λ 29 27 27'9 L 74 55 43'7 Nos. 388, 389</p>	<p>Miávind Village. (Amritsar)</p> <p>λ 31 28 51 L 75 11 46</p>	<p>Misriwála Village, (Ferozpur) Flag on Gadása Bania's house.</p> <p>λ 30 52 14 L 74 48 2</p>
<p>Mehgáon Hill. (Jodhpur)</p> <p>λ 26 48 17 L 74 47 2</p>	<p>Mima s. (Amritsar) 0'48 of a mile S.W. of village so called; thánah Jandiála, tahsil Amritsar. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 33 47'54 L 74 58 18'41 No. 922</p>	<p>Modia s. (Bikáner)</p> <p>λ 28 1 39'1 L 73 36 42'78 Nos. 701, 702</p>
<p>Mehráj House. (Ferozpur) Flag on Nakku carpenter's house.</p> <p>λ 30 18 56'4 L 75 14 2'5 No. 530</p>	<p>Mindoli Hill No. 1. (Udaipur)</p> <p>λ 25 31 58 L 74 57 35</p>	<p>Moga House. (Ferozpur) Flag on Mahtáb Sing's house.</p> <p>λ 30 48 25'8 L 75 12 20'3 No. 571</p>
<p>Mendki, XXVI (Vide page 5—F.)</p> <p>λ 24 38 15'67 L 74 55 39'78 H 1951 h 7 Nos. 33, 34 (of Karáchi Longitudinal Series) Vide Synoptical Vol. of that series, p. 22—B.</p>	<p>Mindoli Hill No. 2. (Udaipur) S.W.</p> <p>λ 25 31 33 L 74 56 48</p>	<p>Mohan Bandára Fort. (Amritsar) Flag on remains of highest bastion of ruined fort.</p> <p>λ 31 51 4'1 L 74 57 7'7 Nos. 642, 643</p>
<p>Miádi s. (Gurdáspur) 0'16 of a mile S.E. of Miádi village, 0'53 of a mile W. of Búlákichak and about 1'5 miles from the right bank of the Rávi; thánah Naina-da-kot, tahsil Shakargarh. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 6 20'57 L 75 9 36'54 No. 1041</p>		

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Mohanpura Hill. (Udaipur)	Mukhu Sarái, (Ferozpur) Flag on N.E. bastion.	Muni Alah House, (Lahor) Flag in town.
λ 25 25 57 L 75 12 12	λ 31 6 49'4 L 75 2 31'4 Nos. 593, 594	λ 31 31 39'0 L 74 35 2'1 No. 894
Mongodrá, VII (Vide page 6—F.)	Muklánir s. (Bikáner) On a mound N.E. of the village of Ramerwáli.	Múránwáli Flag (Sarsa) On Latnir's house.
λ 24 54 48'08 L 74 44 45'20 H 2001 h 1 No. 18	λ 28 42 11'66 L 73 27 17'12 No. 825	λ 29 38 2'7 L 74 58 1'1
Morábhár s. (Bikáner) On sandy ridge about 1·5 miles W. of Rájgarh town. It is indicated by a wooden pin with a central dot.	Muláki House. (Ferozpur) Flag on Rám Parshád Gusáin's house.	Nágaur Minaret No. 1, (Jodhpur)
λ 28 37 55'73 L 75 23 5'91 No. 743	λ 30 34 42'1 L 75 0 30'5 Nos. 558, 559	λ 27 12 3'7 L 73 47 1'3 Nos. 697, 698
Moria, XXXVIII (Vide page 10—F.)	Mulháki Flag (Sarsa) On mound (remains of village).	Nágaur Minaret No. 2, (Jodhpur)
λ 28 13 7'00 L 74 54 50'62 H 1080 h 6 No. 49	λ 29 26 10'9 L 74 55 47'1	λ 27 12 2'9 L 73 47 1'7 Nos. 699, 700
Motoli s. (Bikáner) About 1 mile N. of the village of that name.	Mulnawála s. (Ferozpur) On ruined fort.	Nágaur s. (Jodhpur)
λ 28 38 45'65 L 73 31 40'87 No. 826	λ 31 3 41'09 L 74 51 51'60	λ 27 11 56'79 L 73 46 45'39 No. 676
Mudki Flag (Ferozpur) On Billa Bania's house in village.	Mulsáar House. (Shekháwáti) Flag on Lachman Sing Thákur's house.	Nagoka s. (Amritsar) On a high mound about 1 mile N. of that village; thánah Bhairowál, tahsil Tarn Táran. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.
λ 30 46 51'5 L 74 55 20'8	λ 28 21 11'5 L 75 20 16'0 No. 764	λ 31 27 8'01 L 75 10 26'62 Nos. 912, 913
Mudki Temple, (Ferozpur) Spire.	Multánia Flag (Patála) On Kunbada mound near village.	Nagoka Village. (Amritsar)
λ 30 46 59'4 L 74 55 28'4 Nos. 577, 578	λ 30 10 54'4 L 74 54 39'4	λ 31 26 41 L 75 10 2
Muglúna Fort. (Shekháwáti) Flag on bastion on sand hill.	Munda Village. (Amritsar)	Nagola Fort. (Ajmír) Large building in S. tower. Also de- termined by Ajmír Revenue Survey.
λ 27 44 58'3 L 74 49 41'6 Nos. 281, 282	λ 31 17 28 L 75 6 48	λ 26 0 23'5 L 74 55 3'1 No. 184
Mukeria Hill Temple, (Mairwára) Near Bewar cantonment.	Mundaúra Hill. (Kishanganj)	Nagwa h.s. (Ajmír) Also determined by Ajmír Revenue Survey.
λ 26 8 9'5 L 74 22 7'0 No. 222	λ 26 36 9 L 74 56 42	λ 26 25 20'18 L 74 34 7'22 Nos. 199, 200
Mukhi House (Lahor) Flag.	Múndwa House, (Jodhpur) Highest.	Náhargarh Hill (Jodhpur) Pole.
λ 31 17 25'2 L 74 46 30'6 Nos. 884, 885	λ 27 3 46'8 L 73 51 56'4 Nos. 695, 696	λ 27 0 8'9 L 74 52 55'2 Nos. 261, 262
	Múndwa h.s. (Jodhpur)	Naiki Hill. (Jaipur)
	λ 27 2 51'50 L 73 52 53'50 No. 674	λ 25 57 42 L 75 19 48 No. 159

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Náiwála House. (Sarsa) Flag on highest house.</p> <p>λ 29 36 47'1 L 74 36 40'2 Nos. 829, 830</p> <p>Naki Village. (Ferozpur)</p> <p>λ 31 9 48 L 75 3 36</p> <p>Nakora Flag (Sarsa) On high mound (remains of village).</p> <p>λ 29 30 22'4 L 74 46 10'2</p> <p>Nál, IX (Vide page 6—F.)</p> <p>λ 25 3 52'22 L 74 57 27'25 H 1805 h 3 Nos. 13, 19</p> <p>Nand Hill Temple. (Ajmir) Also determined by Ajmir Revenue Survey.</p> <p>λ 26 28 50'3 L 74 30 12'6 Nos. 195, 196</p> <p>Nangli s. (Amritsar) 0'27 of a mile W. of that village and about 0'3 of a mile from the right bank of the Rávi; thánah and tahsil Narowál. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 4 35'99 L 74 58 28'29 No. 1032</p> <p>Naráyargarh House. (Ferozpur) Flag on highest house.</p> <p>λ 30 53 48'5 L 74 53 14'2 Nos. 867, 868</p> <p>Nareli N.E. Peak. (Ajmir)</p> <p>λ 26 28 4 L 74 44 42</p> <p>Narli House. (Lahor) Flag on Dal Sing Zamindár's house.</p> <p>λ 31 24 32'6 L 74 40 41'9 Nos. 889, 890</p> <p>Narowál Flag (Amritsar) On Ashraf Khán's house.</p> <p>λ 32 5 59'5 L 74 54 54'0</p>	<p>Nársirro, XLII (Vide page 10—F.)</p> <p>λ 28 34 33'67 L 74 54 23'24 H 868 h 6 No. 53</p> <p>Narwal Turret. (Lahor)</p> <p>λ 31 33 55'1 L 74 36 30'4 No. 972</p> <p>Nasirabad Flag Staff, (Ajmir) Brigadier's.</p> <p>λ 26 18 12'9 L 74 46 45'4</p> <p>Nasirabad Temple, (Ajmir) E. of cantonment and S. of tank.</p> <p>λ 26 17 42'7 L 74 47 42'4 Nos. 203, 204</p> <p>Nasirabad Wind-mill. (Ajmir) Also determined by Ajmir Revenue Survey.</p> <p>λ 26 17 59'3 L 74 46 44'7 Nos. 187, 188</p> <p>Nasúr Tower. (Ajmir)</p> <p>λ 26 12 57'5 L 74 38 22'4 No. 191</p> <p>Nathána Mound. (Ferozpur) Flag on high clay mound.</p> <p>λ 30 18 56'4 L 75 8 11'8 Nos. 537, 538</p> <p>Nathohar s. (Sarsa) On N. side of the village of Nathohar on Nánu Lambardár's house.</p> <p>λ 29 37 48'79 L 74 40 21'36 No. 801</p> <p>Náthowála Flag (Ferozpur) On Mohan Dás Sádhu's house.</p> <p>λ 30 43 19'1 L 75 1 5'5</p> <p>Naurang Flag (Sarsa) On Harbhajan Bráhma's house.</p> <p>λ 29 55 44'4 L 74 57 52'9</p> <p>Naushera House. (Amritsar) Flag on Bhúra Khatri's house.</p> <p>λ 31 20 18'1 L 74 59 39'1 Nos. 598, 599</p>	<p>Nawánagar Hill. (Udaipur)</p> <p>λ 25 8 25 L 75 12 29</p> <p>Názah Dalla Kalán House. (Sarsa) Flag on Báj Bái's house.</p> <p>λ 29 35 40'6 L 75 6 38'0 Nos. 411, 412</p> <p>Nelwai Hill. (Jodhpur)</p> <p>λ 26 45 35 L 74 47 38</p> <p>Neshta s. (Amritsar) On mound about 0'20 of a mile N. of Neshta village; thánah and tahsil Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 35 13'23 L 74 39 6'96 No. 940</p> <p>Niámiwála Flag (Faridkot) On Rám Sing's house.</p> <p>λ 30 30 3'6 L 74 57 8'7</p> <p>Niára Tower, (Ajmir) On W. hill.</p> <p>λ 26 12 18'8 L 74 41 34'6 No. 189</p> <p>Níchbo Fort. (Shekháwáti) Flag on bastion on sand hill.</p> <p>λ 27 36 54'1 L 74 48 16'2 Nos. 265, 266</p> <p>Nigrána Mound. (Sarsa) Flag on high mound (remains of village).</p> <p>λ 29 29 33'5 L 74 49 23'0 Nos. 405, 406</p> <p>Nimbhár s. (Bikáner) On a high sand hill about 0'75 of a mile W. of Mathoi village. It is indicated by a wooden pin with a central dot.</p> <p>λ 28 37 21'66 L 75 29 1'32 No. 776</p> <p>Nitar Mosque, (Sarsa) Flag attached to N. minaret.</p> <p>λ 29 29 42'8 L 75 2 37'1 Nos. 397, 398</p> <p>No. 23 s. (Ludhána) S. of Sutlej river.</p> <p>λ 30 56 30'33 L 75 36 44'97</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
No. 24 s. (Jallandar) N. of Sutlej river. " " " "	No. 37 s. (Jallandar) E. of Beas river. " " " "	Ojhária Tibba. (Bikáner)
λ 31 0 20'18	λ 31 11 5'04	λ 28 40 42
L 75 32 30'76	L 75 5 48'99	L 75 12 12
No. 25 s. (Ludhiána) S. of Sutlej river.	No. 38 s. (Amritsar) W. of Beas river.	Padhána s. (Lahor) On top of Sardár Joála Sing's house; thánah and tahsil Lahor. A trigonometrical mark inscribed on the roof defines the station.
λ 30 55 11'02	λ 31 11 44'27	λ 31 28 15'83
L 75 30 18'23	L 75 2 46'15	L 74 39 54'00 No. 886
No. 26 s. (Jallandar) N. of Sutlej river in Játhewála village.	No. 39 s. (Amritsar) W. of Beas river.	Paká-Saráwá, LX (Vide page 12—F.)
λ 30 58 45'43	λ 31 14 42'78	λ 30 1 51'19
L 75 27 5'50	L 75 6 29'16	L 74 53 47'62
No. 27 s. (Ferozpur) S. of Sutlej river.	No. 40 s. (Jallandar) E. of Beas river.	H 698
λ 30 55 27'13	λ 31 13 33'35	h 33
L 75 25 7'88	L 75 9 15'95	No. 71
No. 28 s. (Jallandar) N. of Sutlej river.	No. 45 s. (Jallandar) E. of Beas river.	Pákho Building. (Gurdáspur) Turret of paka building.
λ 31 0 57'84	λ 31 24 14'06	λ 32 3 53'0
L 75 21 55'91	L 75 17 16'94	L 75 4 9'9
No. 29 s. (Ferozpur) S. of Sutlej river.	No. 47 s. (Amritsar) W. of Beas river.	No. 1058
λ 30 56 29'07	λ 31 27 27'46	Pákho s. (Gurdáspur) About 0'55 of a mile N. of the turreted paka building in Pákho village and 0'7 of a mile from the right bank of the Rávi; thánah Doáda, tahsil Shakargarh. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.
L 75 18 31'68	L 75 16 17'33	λ 32 4 11'67
No. 30 s. (Ferozpur) S. of Sutlej river.	No. 48 s. (Jallandar) E. of Beas river.	L 75 3 57'25 No. 1037
λ 31 1 45'37	λ 31 26 9'33	Pakhoka s. (Amritsar) About 1'5 miles N. of that village; thánah Jándiála, tahsil Amritsar. A paka pillar 1 ft. high and 3 ft. in diameter, with mark- stones at top and bottom, defines the station.
L 75 16 33'56	L 75 21 53'87	λ 31 31 17'50
No. 31 s. (Jallandar) N. of Sutlej river.	No. 49 s. (Amritsar) W. of Beas river.	L 75 3 51'83 No. 918
λ 31 4 38'21	λ 31 30 49'16	Pakhoka Village. (Amritsar)
L 75 17 58'86	L 75 20 31'32	λ 31 30 19
No. 32 s. (Ferozpur) S. of Sutlej river.	No. 50 s. (Jallandar) E. of Beas river.	L 75 3 4
λ 31 3 47'54	λ 31 30 13'21	Pálánangal s. (Gurdáspur) 0'21 of a mile N.W. of the vil- lage so called and about 50 yards from the left bank of the Rávi; thánah Bába Nának-ka-Dera, tahsil Batála. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.
L 75 12 35'04	L 75 26 35'71	λ 32 1 50'87
No. 33 s. (Jallandar) N. of Sutlej river.	No. 51 s. (Amritsar) W. of Beas river.	L 75 2 55'27 No. 1036
λ 31 6 20'81	λ 31 34 2'11	No. 1062
L 75 14 3'18	L 75 23 55'95	No. 1062
No. 34 s. (Ferozpur) S. of Sutlej river.	No. 53 s. (Gurdáspur) W. of Beas river.	No. 1062
λ 31 5 28'36	λ 31 38 37'31	No. 1062
L 75 9 7'20	L 75 28 45'12	No. 1062
No. 35 s. (Jallandar) N. of Sutlej river.	Nowála Hill Temple. (Udaiapur)	No. 1062
λ 31 9 11'06	λ 25 39 12'8	No. 1062
L 75 9 8'16	L 74 22 19'1	No. 1062
No. 36 s. (Ferozpur) S. of Sutlej river.	Núrpur s. (Gurdáspur) On a high mound of that name about 1 mile N.E. of the village of Alona and about 1'25 miles N.W. of the village of Singho- wála; thánah and tahsil Gurdáspur.	No. 1062
λ 31 7 55'53	λ 32 4 36'20	No. 1062
L 75 3 29'76	L 75 18 25'59	No. 1062

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Pálrí Hill Fort, (<i>Jodhpur</i>) Flag on highest turret.</p> <p>λ 26 43 13 L 74 21 55 No. 239</p> <p>Pálrí s. (<i>Jodhpur</i>) On building in hill fort so called.</p> <p>λ 26 43 13 L 74 21 54 Nos. 228, 229</p> <p>Páñchwá, XXXI (<i>Vide page 9—F.</i>)</p> <p>λ 27 13 29'56 L 74 58 18'91 H 20'48 h 2 No. 42</p> <p>Páñchwa Hill Fort, (<i>Jodhpur</i>) Highest point.</p> <p>λ 27 13 8'3 L 74 58 13'0 Nos. 257, 258</p> <p>Pandal h.s. (<i>Udaipur</i>)</p> <p>λ 25 22 39 L 74 37 32 Nos. 156, 157</p> <p>Paníwáli Flag (<i>Sarsa</i>) On Mot Sing's house.</p> <p>λ 29 42 4'7 L 74 57 6'1</p> <p>Paráriwála s. (<i>Amritsar</i>) In a field 0'27 of a mile S.W. of that village; thánah Amritsar, tahsil Sauria. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 36 15'53 L 74 53 22'10 No. 928</p> <p>Parel s. (<i>Sidlkot</i>) Also determined by Captain Robinson's Jammu Frontier Survey.</p> <p>λ 32 26 51'68 L 74 55 18'26 No. 666</p> <p>Parlíki House, (<i>Bikáner</i>) Highest, in village.</p> <p>λ 29 13 27'0 L 74 56 28'7 Nos. 371, 372</p> <p>Pasiáwála Village. (<i>Amritsar</i>)</p> <p>λ 31 52 59 L 74 37 26</p>	<p>Pasín Turret, (<i>Lahor</i>) Paka.</p> <p>λ 31 38 20'0 L 74 32 42'3 No. 971</p> <p>Patrála House. (<i>Patála</i>) Flag on Amar Sing's house.</p> <p>λ 30 0 12'5 L 74 47 43'9 Nos. 484, 485</p> <p>Patti Khás House. (<i>Lahor</i>) Flag on Chanda Shroff's house.</p> <p>λ 31 16 36'7 L 74 53 54'6 No. 600</p> <p>Phaggu Tower. (<i>Sarsa</i>) Flag on Suján Sing's tower.</p> <p>λ 29 46 38'5 L 75 9 49'1 Nos. 456, 457</p> <p>Phakna (Bara), (<i>Amritsar</i>) Turret.</p> <p>λ 31 54 52'9 L 74 45 44'4 No. 965</p> <p>Phakna s. (<i>Amritsar</i>) About 0'9 of a mile N.E. of the larger village of that name; thánah Bopára, tahsil Sauria. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 35 19'43 L 74 46 21'06 No. 986</p> <p>Phalor House. (<i>Ferozpur</i>) Flag on Saudágar Sing's house.</p> <p>λ 30 42 3'9 L 74 58 0'0 Nos. 564, 565</p> <p>Phata Village. (<i>Amritsar</i>)</p> <p>λ 31 51 26 L 74 38 45</p> <p>Philowál Turret, (<i>Amritsar</i>) Western.</p> <p>λ 31 45 5'8 L 74 39 30'1 No. 1053</p> <p>Phúl Flag (<i>Nábha</i>) On house within fort.</p> <p>λ 30 19 26'5 L 75 16 59'2</p> <p>Phúlo Flag (<i>Sarsa</i>) On Basan Ját's house.</p> <p>λ 29 56 53'3 L 74 54 29'0</p>	<p>Piárána s. (<i>Ferozpur</i>) On roof of room over doorway of chauki on grand trunk road near village so called.</p> <p>λ 30 53 4'81 L 74 45 25'41 No. 865</p> <p>Pilojla Village. (<i>Amritsar</i>)</p> <p>λ 31 28 51 L 75 17 44</p> <p>Pilwa s. (<i>Jodhpur</i>)</p> <p>λ 27 38 1'95 L 73 24 28'11 No. 682</p> <p>Pindi s. (<i>Gurdáspur</i>) In a field 0'6 of a mile from the right bank of the Rávi and about 0'3 of a mile S.E. of the village so called; thánah Nainada-kot, tahsil Shakargarh. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 7 27'02 L 75 18 41'88 No. 1049</p> <p>Pindia s. (<i>Amritsar</i>) On the island between the two branches of the Rávi and 0'72 of a mile N. of Pindia; thánah Sauria and jágir of Teja Sing. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 50 0'43 L 74 38 24'70 No. 1013</p> <p>Pípábhár s. (<i>Bikáner</i>) On an elevated sand hill, over which runs the boundary line between the Bikáner and Shekháwáti States, 0'75 of a mile N.E. of Khálii, 1 mile S.E. of Sirsulo and about 2 miles S.W. of Lohsua village. Marked by a wooden pin with a central dot.</p> <p>λ 28 24 31'84 L 75 11 58'75 No. 738</p> <p>Piplí, LVIII (<i>Vide page 12—F.</i>)</p> <p>λ 29 52 4'95 L 74 54 50'09 H 6'93 h 22 No. 69</p> <p>Pípli Custom House, (<i>Sarsa</i>) Flag on roof.</p> <p>λ 29 51 13'8 L 74 55 54'0 Nos. 462, 463</p> <p>Píplia Building. (<i>Holkar's Territory</i>)</p> <p>λ 24 30 37'7 L 75 6 13'5</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Piplia Temple. (<i>Holkar's Territory</i>)</p> <p>λ 24 30 43'6 L 75 6 22'1 No. 112</p>	<p>Púroaj s. (<i>Amritsar</i>) 0'54 of a mile N.W. of that village, and about 1 mile from the right bank of the Rávi; thánah and tahsil Narowál. Apaka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 2 10'85 L 74 53 7'37 No. 1028</p>	<p>Rája Shám Sing's Garden, (<i>Amritsar</i>) House centre.</p> <p>λ 31 36 30'6 L 74 37 35'9 No. 966</p>
<p>Pisiana s. (<i>Fardkot</i>) On roof of Dharmaśala in centre of village. Marked by a platform 3 ft. in diameter.</p> <p>λ 30 16 46'95 L 74 48 48'71 No. 854</p>	<p>Rabzá, LXXVI (<i>Vide page 14—F.</i>)</p> <p>λ 31 13 50'27 L 74 56 44'91 H 769 h 25 No. 87</p>	<p>Rájgarh, XXIV (<i>Vide page 8—F.</i>)</p> <p>λ 26 17 49'31 L 74 38 11'55 H 2618 h 3 No. 34</p>
<p>Pohána Village. (<i>Gurdáspur</i>)</p> <p>λ 32 4 43 L 75 14 29</p>	<p>Radáwa Flag (<i>Sarsa</i>) On Sada Sing's house.</p> <p>λ 29 25 4'0 L 75 6 38'8</p>	<p>Rájgarh Range, (<i>Ajmir</i>) E. end, heap of stones.</p> <p>λ 26 16 39'9 L 74 35 37'0</p>
<p>Pokar N. Hill Temple. (<i>Ajmir</i>)</p> <p>λ 26 29 45'8 L 74 35 45'4 No. 220</p>	<p>Raghunáthgarh Hill, (<i>Shekháwáti</i>) Pole.</p> <p>λ 27 39 29'9 L 75 26 2'7 Nos. 283, 284</p>	<p>Rájgarh s. (<i>Bikáner</i>) On the highest house, belonging to Jetmal Bania, in town so called, and indicated by a dot and circle inscribed on the roof.</p> <p>λ 28 38 22'46 L 75 25 43'42 Nos. 779, 780</p>
<p>Pokar Sáwtri Hill Temple. (<i>Ajmir</i>)</p> <p>λ 26 28 28'9 L 74 34 53'7 No. 221</p>	<p>Raghunáthpura s. (<i>Bikáner</i>) On a mound about 4 or 5 miles N.E. of village of that name.</p> <p>λ 29 16 23'24 L 73 42 17'02 No. 816</p>	<p>Rájgarh W. Hill, (<i>Ajmir</i>) Highest point.</p> <p>λ 26 17 23 L 74 37 28</p>
<p>Polandhi Korli s. (<i>Amritsar</i>) 0'6 of a mile S.W. of village so called, 1'25 miles from the right bank of the Rávi, and 0'53 of a mile S.E. of Miáno village; thánah Miáni, tahsil Narowál. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 45 50'73 L 74 34 0'98 No. 1008</p>	<p>Rágpúra, XXII (<i>Vide page 8—F.</i>)</p> <p>λ 26 4 2'28 L 74 30 59'82 H 1932 h 2 Nos. 30, 33</p>	<p>Rajoki Flag (<i>Lahor</i>) On house.</p> <p>λ 31 16 53'5 L 74 35 25'4</p>
<p>Puáthvind Village. (<i>Amritsar</i>)</p> <p>λ 31 26 42 L 75 12 0</p>	<p>Raguwána Flag (<i>Sarsa</i>) On Bhág Sing's house.</p> <p>λ 29 41 59'5 L 75 1 45'2</p>	<p>Rájpura House. (<i>Bikáner</i>) Flag on Bija Sing Thákur's house.</p> <p>λ 28 32 18'9 L 75 10 54'1 Nos. 762, 763</p>
<p>Punlotha Hill. (<i>Jodhpur</i>)</p> <p>λ 28 47 52 L 74 21 37</p>	<p>Ráipur Village. (<i>Jallandar</i>)</p> <p>λ 31 5 8 L 75 14 14</p>	<p>Rájpuria House, (<i>Bikáner</i>) Highest.</p> <p>λ 29 16 34'7 L 74 58 5'4 Nos. 369, 370</p>
<p>Pur Hill Temple. (<i>Udaipur</i>)</p> <p>λ 25 17 59'2 L 74 34 33'2 Nos. 137, 138</p>	<p>Rája Chatar Sing's Garden, (<i>Amritsar</i>) House centre.</p> <p>λ 31 36 51'6 L 74 38 24'4 No. 967</p>	<p>Raman House. (<i>Patiála</i>) Flag on Fauju Bráhman's house.</p> <p>λ 29 56 58'4 L 75 1 6'3 Nos. 492, 493</p>
<p>Puránawála s. (<i>Gurdáspur</i>) 0'28 of a mile W. of that village and about a mile from the left bank of the Rávi; thánah Bába Nának-ka-Dera, tahsil Batála. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 2 29'61 L 74 59 50'91 No. 1034</p>	<p>Rája Shám Sing's Atári, (<i>Amritsar</i>) Little turret on top.</p> <p>λ 31 36 8'2 L 74 38 49'3 No. 968</p>	<p>Rámbágh s. (<i>Amritsar</i>) On high turret above the building in centre of garden so called. Marked by a circle and dot on a piece of marble let into the mortar.</p> <p>λ 31 38 17'36 L 74 55 14'23 No. 931</p>
		<p>Ramdás, LXXXVI (<i>Vide page 15—F.</i>)</p> <p>λ 31 57 31'00 L 74 57 45'70 H 796 h 29 No. 97</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Rámeh Village. (<i>Jallandar</i>) o ' "	Randáliá, XXXIX (<i>Vide page 10—F.</i>) o ' "	Ranjitgarh, XCV (<i>Vide page 16—F.</i>) o ' "
λ 31 2 45 L 75 18 38	λ 28 18 5'45 L 75 4 7'15 H 1038 h 6 No. 50	λ 32 35 12'10 L 74 39 39'66 H 900 h 21 No. 107
Rámgarh, XLIX (<i>Vide page 11—F.</i>) λ 29 13 4'50 L 75 1 39'24 H 694 h 7 No. 60	Rándisir h.s. (<i>Bikáner</i>) On hill about a mile N.N.W. of village of that name and about 10 yards N.E. of a temple. A paka platform 2 ft. high and 8 ft. square defines the station. λ 27 53 41'25 L 74 32 51'63 No. 692	Rás Hill Fort. (<i>Jodhpur</i>) λ 26 16 21 L 74 12 56 No. 218
Rámgarh Hill Fort No. 1. (<i>Udaipur</i>) Building. λ 25 1 21'7 L 74 57 13'4 No. 114	Rándisir Hill Temple. (<i>Bikáner</i>) λ 27 53 41'4 L 74 32 51'5 Nos. 725, 726	Rás Ruined Fort. (<i>Jodhpur</i>) λ 26 18 20 L 74 14 9
Rámgarh Hill Fort No. 2. (<i>Ajmir</i>) Eastern tower. λ 25 58 4'2 L 74 29 31'0 Nos. 161, 162	Rangarh Village. (<i>Amritsar</i>) λ 31 36 52 L 74 40 18	Rasálánia s. (<i>Bikáner</i>) On a sand ridge about 1.5 miles N.E. of Rájgarh town. It is indicated by a wooden pin with a central dot. λ 28 40 0'75 L 75 26 47'72 No. 776
Rámgarh House, (<i>Shekháwáti</i>) Flag in town. λ 28 10 11'4 L 75 1 16'3 Nos. 301, 302	Rangarri, XLV (<i>Vide page 11—F.</i>) λ 28 53 26'45 L 75 1 31'45 H 777 h 6 No. 56	Rasid Pindori s. (<i>Amritsar</i>) λ 31 31 52'07 L 74 54 43'06 No. 926
Ramiána Flag (<i>Fardkót</i>) On Guru Guláb Sing's house in village. λ 30 25 2'7 L 74 49 34'0	Rang Mahal s. (<i>Bikáner</i>) On the top of the highest peak of a range of high mounds, about 2.5 miles N.E. of the village of Súratgarh. A large fort and city are said to have stood on this mound but no trace of them now remains. λ 29 20 17'82 L 73 59 31'96 No. 811	Rasora Rock, N. Head. (<i>Shekháwáti</i>) λ 28 7 53'8 L 75 20 33'4
Rámpura House. (<i>Sarsa</i>) Flag on Atma Rám's house. λ 29 46 7'2 L 74 49 33'1 Nos. 460, 461	Ráni s. (<i>Amritsar</i>) 1.1 miles N. of village so called and 0.02 of a mile from the left bank of the Rávi; thánah Awan, tahsil Lahor. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom. λ 31 43 9'39 L 74 32 37'34 Nos. 1005	Rasora Rock, S. Head, (<i>Shekháwáti</i>) Highest. λ 28 7 53'4 L 75 20 33'5 Nos. 807, 808
Rámpuria House. (<i>Sarsa</i>) Flag on Ratu Ját's house in village. λ 29 17 37'1 L 75 7 24'1 Nos. 795, 796	Rániáh Flag (<i>Sarsa</i>) On Nawáb Núr Samand Khán's house. λ 29 31 30'3 L 74 52 37'5	Ratan Village. (<i>Amritsar</i>) λ 31 37 48 L 74 37 51
Rámsira s. (<i>Bikáner</i>) On a high sand hill about 200 yards W. of small village of that name. It is indicated by a wooden pin with a central dot. λ 28 53 17'51 L 75 25 57'67 No. 747	Rátangarh Fort, (<i>Bikáner</i>) Flag on S.E. bastion. λ 28 4 29'9 L 74 39 51'6 No. 737	Ratangarh Hill Fort. (<i>Nimach</i>) λ 24 49 1 L 75 9 7 Nos. 115, 116
Rám Thal, XLI (<i>Vide page 10—F.</i>) λ 28 29 39'27 L 75 2 37'78 H 951 h 6 No. 52	Rániáh Temple, (<i>Sarsa</i>) Spire. λ 29 31 33'7 L 74 52 40'2 Nos. 399, 400	Ratangarh h.s. (<i>Nimach</i>) λ 24 49 21'15 L 75 9 18'25

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Ratar-Chatar Khángáh, (<i>Gurdáspur</i>) Flag on Imám Ali Sháh's largest building.</p> <p>λ 32 1 14'1 L 75 1 20'6 No. 655</p>	<p>Rohersánwáli house. (<i>Sarsa</i>) Flag on Nandu Ját's house.</p> <p>λ 29 44 9'8 L 74 58 17'5 Nos. 446, 447</p>	<p>Sádowáli No. 2 s. (<i>Gurdáspur</i>) 0·23 of a mile N.W. of Sádowáli village, 1·75 miles N.E. of the city of Bába Nának-ka-Dera and about 0·4 of a mile from the left bank of the Rávi; thánah Bába-Nának-ka-Dera, tahsil Batála. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 32 2 57'47 L 75 5 31'65 No. 1088</p>
<p>Rathoke Village. (<i>Amritsar</i>)</p> <p>λ 31 14 29 L 75 3 35</p>	<p>Rúkhnawála, LXXXV (<i>Vide page 14—F.</i>)</p> <p>λ 31 8 27'21 L 75 5 1'88 H 72'6 h 30 No. 86</p>	<p>Sagatpura Building. (<i>Udaipur</i>)</p> <p>λ 25 25 53'5 L 74 59 49'8 No. 150</p>
<p>Ráwardhan Hill. (<i>Udaipur</i>)</p> <p>λ 25 2 45 L 75 11 54 No. 122</p>	<p>Rúpgarh Hill Fort, (<i>Jaipur</i>) S.W. bastion.</p> <p>λ 27 21 55'7 L 75 13 24'1 Nos. 271, 272</p>	<p>Sahadpur s. (<i>Amritsar</i>) On the island between the two branches of the Rávi and 0·29 of a mile N. of village so called; thánah Miáni, tahsil Narowál. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 46 8'69 L 74 36 33'33 No. 1009</p>
<p>Ráwath Hill Temple. (<i>Jodhpur</i>)</p> <p>λ 26 34 7 L 74 35 29 No. 230</p>	<p>Rupoará, IV (<i>Vide page 6—F.</i>)</p> <p>λ 24 38 29'75 L 74 58 45'51 H 19'42 h 5 No. 7</p>	<p>Saháran Flag (<i>Sarsa</i>) On highest house.</p> <p>λ 29 38 52'1 L 74 36 52'1</p>
<p>Reni s. (<i>Bikáner</i>) On the highest house in town, belonging to Bálkishan Bania. Marked by a ⊙ cut on a brick and imbedded in the roof.</p> <p>λ 28 40 21'02 L 75 4 26'52 Nos. 773, 774</p>	<p>Rupoára Hill Pagoda. (<i>Nímach</i>) Clump of trees.</p> <p>λ 24 38 16'2 L 74 59 5'1 No. 109</p>	<p>Sahjrah Flag (<i>Lahor</i>) On house in town.</p> <p>λ 31 6 58'0 L 74 39 54'0</p>
<p>Rewat, XXIX (<i>Vide page 9—F.</i>)</p> <p>λ 26 53 53'98 L 74 19 20'97 H 15'42 h 2 No. 40</p>	<p>Rúrki, XCIV (<i>Vide page 16—F.</i>)</p> <p>λ 32 25 29'82 L 74 46 24'14 H 9'04 h 15 No. 106</p>	<p>Saib Chand Flag (<i>Ferozpur</i>) On Nika Sing Zamíndár's house.</p> <p>λ 30 18 20'8 L 74 45 7'8</p>
<p>Riáh s. (<i>Jodhpur</i>) Temple Spire, eastern end of hill fort.</p> <p>λ 26 32 22'09 L 74 17 5'33 Nos. 223, 224</p>	<p>Sada Sing Fort. (<i>Ferozpur</i>) Flag on N. W. bastion of ruined fort.</p> <p>λ 30 51 55'0 L 75 4 42'9 Nos. 583, 584</p>	<p>Saindu s. (<i>Bikáner</i>) On highest part of sand ridge, about 0·5 of a mile W. of Aasan village. A wooden pin with a central dot indicates the station.</p> <p>λ 29 2 27'85 L 75 24 5'67 No. 751</p>
<p>Rimidia s. (<i>Amritsar</i>) 0·74 of a mile W. of village so called and 0·8 of a mile from the right bank of the Rávi; thánah Miáni, tahsil Narowál. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 53 27'44 L 74 39 33'92 No. 1016</p>	<p>Sadoli Sand Hill. (<i>Bikáner</i>)</p> <p>λ 28 37 46 L 73 20 44 No. 853</p>	<p>Saithún House. (<i>Bikáner</i>) Flag on Sadúl Sing Thákúr's house.</p> <p>λ 28 33 50'9 L 75 9 19'7</p>
<p>Rimidia Village. (<i>Amritsar</i>)</p> <p>λ 31 54 6 L 74 39 40</p>	<p>Sádowáli No. 1 s. (<i>Sarsa</i>) On top of Amír Khán's house, about the S.W. side of village so called.</p> <p>λ 29 38 34'56 L 74 45 43'57 No. 800</p>	<p>Sakráni Hill. (<i>Ajmir</i>) Conical hill, N. of Sakráni.</p> <p>λ 25 58 43 L 74 44 52</p>
<p>Risália House. (<i>Sarsa</i>) Flag on Jálu Lambardár's house.</p> <p>λ 29 42 56'5 L 74 48 18'3 No. 435</p>		<p>Sakráni Hill Temple, (<i>Ajmir</i>) Spire.</p> <p>λ 25 57 38'18 L 74 43 36'67 Nos. 163, 164</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Salámi Tibba s. (Bikáner) On a high mound about 1·5 miles E. of the village of Basálána. It is indicated by a wooden pin with a central dot.</p> <p>λ 29 3 2'24 L 75 6 55'31 Nos. 750</p>	<p>Sand Hill No. 4. (Bikáner)</p> <p>λ 29 12 9 L 74 55 41</p>	<p>Sand Hill No. 16. (Bikáner)</p> <p>λ 28 59 43 L 74 57 45 Nos. 351, 352</p>
<p>Salárpur Mound, (Sarsa) Flag on old brick-kiln.</p> <p>λ 29 30 11'9 L 75 1 0'3 Nos. 380, 381</p>	<p>Sand Hill No. 5 s. (Bikáner) Also called Nohar s.</p> <p>λ 29 11 18'11 L 74 48 20'84 Nos. 373</p>	<p>Sand Hill No. 17. (Bikáner)</p> <p>λ 28 55 50 L 74 59 45 Nos. 355, 356</p>
<p>Salfna House. (Ferozpur) Flag on Sardár Ganda Sing's house.</p> <p>λ 30 51 46'8 L 75 7 18'9 Nos. 587, 588</p>	<p>Sand Hill No. 6. (Bikáner)</p> <p>λ 29 12 34 L 74 42 51 Nos. 374, 375</p>	<p>Sand Hill No. 18. (Bikáner)</p> <p>λ 28 55 37 L 74 54 29 Nos. 347, 348</p>
<p>Salúnd Flag (Bikáner) On high sand hill.</p> <p>λ 27 56 15'7 L 73 56 57'4 Nos. 717, 718</p>	<p>Sand Hill No. 7. (Bikáner)</p> <p>λ 29 11 13 L 74 45 48</p>	<p>Sand Hill No. 19. (Bikáner)</p> <p>λ 28 53 18 L 74 51 30</p>
<p>Samáil Hill Tower (Jodhpur) In fort, on conical hill.</p> <p>λ 26 13 41'4 L 74 22 24'8 Nos. 209, 210</p>	<p>Sand Hill No. 8. (Bikáner)</p> <p>λ 29 10 33 L 75 1 39</p>	<p>Sand Hill No. 20. (Bikáner)</p> <p>λ 28 52 13 L 74 55 19 Nos. 353, 354</p>
<p>Sámbar Hill Temple, (Jaipur) Mátha's, adjoining the Sámbar salt lake.</p> <p>λ 26 55 51'7 L 75 5 30'6 Nos. 247, 248</p>	<p>Sand Hill No. 9. (Bikáner)</p> <p>λ 29 7 22 L 74 55 15</p>	<p>Sand Hill No. 21. (Bikáner)</p> <p>λ 28 51 33 L 74 57 56</p>
<p>Samehwála Village. (Jalandar)</p> <p>λ 31 9 38 L 75 6 52</p>	<p>Sand Hill No. 10. (Bikáner)</p> <p>λ 29 5 59 L 74 58 7 Nos. 357, 358</p>	<p>Sand Hill No. 22 s. (Bikáner)</p> <p>λ 28 48 18 L 74 51 57 Nos. 345, 346</p>
<p>Samra Thal s. (Jodhpur)</p> <p>λ 27 36 27'36 L 73 40 7'98 No. 681</p>	<p>Sand Hill No. 11. (Bikáner)</p> <p>λ 29 5 52 L 74 56 13</p>	<p>Sand Hill No. 23. (Bikáner)</p> <p>λ 28 52 48 L 74 46 46 Nos. 349, 350</p>
<p>Sand Hill No. 1. (Bikáner)</p> <p>λ 29 22 37 L 74 52 57 Nos. 378, 379</p>	<p>Sand Hill No. 12. (Bikáner)</p> <p>λ 29 2 30 L 74 53 14 Nos. 359, 360</p>	<p>Sand Hill No. 24. (Bikáner)</p> <p>λ 28 49 52 L 74 44 55</p>
<p>Sand Hill No. 2. (Bikáner)</p> <p>λ 29 19 12 L 74 58 36 Nos. 376, 377</p>	<p>Sand Hill No. 13 s. (Bikáner)</p> <p>λ 28 59 42 L 74 49 39 Nos. 361, 362</p>	<p>Sand Hill No. 25. (Bikáner)</p> <p>λ 28 44 21 L 74 55 18 Nos. 341, 342</p>
<p>Sand Hill No. 3. (Bikáner)</p> <p>λ 29 13 4 L 74 54 54</p>	<p>Sand Hill No. 14. (Bikáner)</p> <p>λ 29 1 20 L 74 46 31 Nos. 363, 364</p>	<p>Sand Hill No. 26. (Bikáner)</p> <p>λ 28 43 58 L 74 57 9</p>
	<p>Sand Hill No. 15. (Bikáner)</p> <p>λ 29 0 27 L 74 59 58</p>	<p>Sand Hill No. 27. (Bikáner)</p> <p>λ 28 43 58 L 75 0 1</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Sand Hill No. 28. (Bikáner) λ 28 50 27 L 75 1 25 Nos. 343, 344	Sand Hill No. 42. (Bikáner) λ 28 34 39 L 74 56 2	Sand Hill No. 54. (Bikáner) λ 28 22 26 L 74 53 45
Sand Hill No. 29. (Bikáner) λ 28 47 26 L 74 59 3	Sand Hill No. 43. (Bikáner) λ 28 29 13 L 74 49 48	Sand Hill No. 55. (Bikáner) λ 28 19 20 L 74 50 4 Nos. 321, 322
Sand Hill No. 31. (Bikáner) λ 28 33 14 L 74 53 54	Sand Hill No. 44. (Bikáner) λ 28 27 10 L 74 49 47	Sand Hill No. 56. (Bikáner) λ 28 20 7 L 74 55 21
Sand Hill No. 32. (Bikáner) λ 28 41 26 L 74 44 44 Nos. 339, 340	Sand Hill No. 45. (Bikáner) λ 28 26 17 L 74 46 9 Nos. 331, 332	Sand Hill No. 57. (Bikáner) λ 28 17 54 L 74 57 4
Sand Hill No. 33. (Bikáner) λ 28 40 55 L 74 46 55	Sand Hill No. 46. (Bikáner) λ 28 29 47 L 74 54 56	Sand Hill No. 58. (Bikáner) λ 28 17 23 L 74 56 34 Nos. 311, 312
Sand Hill No. 34. (Bikáner) λ 28 38 58 L 75 2 14	Sand Hill No. 47. (Bikáner) λ 28 27 27 L 74 56 3 Nos. 327, 328	Sand Hill No. 59. (Bikáner) λ 28 17 25 L 74 57 30
Sand Hill No. 35. (Bikáner) λ 28 37 23 L 74 59 17	Sand Hill No. 48. (Bikáner) λ 28 24 8 L 74 59 12	Sand Hill No. 60 s. (Bikáner) Also called <i>Asána s.</i> On a sandy ridge 1 mile S. of Khasoli, about 3 miles S.E. of Cháru, about 4 miles W. of Basáu and about 6 miles N. of Rámgarh. A wooden pin with a central dot indicates the station. λ 28 15 19.62 L 75 3 5.01 Nos. 315, 316
Sand Hill No. 36. (Bikáner) λ 28 35 21 L 75 0 53 Nos. 335, 336	Sand Hill No. 49. (Bikáner) λ 28 25 24 L 75 4 16	Sand Hill No. 61. (Bikáner) λ 28 13 21 L 75 0 17
Sand Hill No. 37. (Bikáner) λ 28 35 58 L 75 0 46	Sand Hill No. 50. (Bikáner) λ 28 24 38 L 75 6 22 Nos. 325, 326	Sand Hill No. 62. (Bikáner) λ 28 13 28 L 75 1 19
Sand Hill No. 38. (Bikáner) λ 28 33 50 L 75 5 5 Nos. 337, 338	Sand Hill No. 51. (Bikáner) λ 28 24 9 L 75 2 56	Sand Hill No. 63. (Bikáner) λ 28 13 2 L 75 2 48
Sand Hill No. 39. (Bikáner) λ 28 31 20 L 74 56 47	Sand Hill No. 52. (Bikáner) λ 28 22 9 L 75 2 37 Nos. 323, 324	Sand Hill No. 64. (Shekháwáti) λ 28 13 11 L 75 5 55
Sand Hill No. 40. (Bikáner) λ 28 30 47 L 74 53 18 Nos. 329, 330	Sand Hill No. 53. (Bikáner) λ 28 22 34 L 74 57 2 Nos. 319, 320	Sand Hill No. 65. (Bikáner) λ 28 10 48 L 74 47 32 Nos. 299, 300
Sand Hill No. 41. (Bikáner) λ 28 29 54 L 75 0 31		

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Sand Hill No. 66. (Bikāner) λ 28 8 17 L 74 51 54	Sangánir Hill. (Udaipur) λ 25 23 23 L 74 44 6	Sarháli House. (Amritsar) Flag on Bel Sing's house. λ 31 16 42'9 L 74 58 45'9 Nos. 601, 602
Sand Hill No. 67. (Bikāner) λ 28 12 38 L 74 57 24	Sangatpúr, LXXVII (Vide page 14—F.) λ 31 17 34'43 L 75 4 46'45 H 779 h 25 No. 88	Sarsa Fort, (Sarsa) Flag on turret. λ 29 32 8'9 L 75 4 33'9 Nos. 423, 424
Sand Hill No. 68. (Shekháwáti) λ 28 5 56 L 74 52 43 Nos. 305, 306	Sángna s. (Amritsar) In a field 1 mile N. of that village; thánah Amritsar, jágir Narsing of Yimwála. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station. λ 31 34 36'94 L 74 51 37'86 No. 932	Sarsa Jail, (Sarsa) Flag. λ 29 32 0'2 L 75 4 31'2 Nos. 425, 426
Sand Hill No. 69. (Shekháwáti) λ 28 7 17 L 75 2 41	Sankhatra House. (Siálkot) Flag on Kishan Sing's house. λ 32 13 31'5 L 74 57 49'8 Nos. 658, 659	Sarsa Kachahri, (Sarsa) Flag on roof. λ 29 32 15'0 L 75 4 54'9 Nos. 421, 422
Sand Hill No. 70. (Shekháwáti) λ 28 6 37 L 75 1 23	Sarái Amánat Khán, (Amritsar) Flag on house in town. λ 31 30 37'8 L 74 44 6'4 No. 887	Sarsa Temple No. 1. (Sarsa) Spire. λ 29 31 51'6 L 75 4 28'8 Nos. 427, 428
Sand Hill No. 71. (Shekháwáti) λ 28 6 37 L 74 59 29 Nos. 293, 294	Sarái Building, (Amritsar) Southern angle. λ 31 27 31'1 L 75 15 50'8	Sarsa Temple No. 2. (Sarsa) Centre of dome. λ 29 31 58'2 L 75 3 56'0 Nos. 429, 430
Sand Hill No. 72. (Shekháwáti) λ 28 3 36 L 75 0 21	Sarangda s. (Amritsar) 0'7 of a mile N.W. of that village and about 1'5 miles from the left bank of the Rávi; thánah and tahsil Sauria. A paka pillar 1 ft. high and 3 ft. in diameter, with mark- stones at top and bottom, defines the station. λ 31 54 12'30 L 74 43 42'32 No. 1019	Sarsola s. (Bikāner) On a sand ridge about 1 mile W. of Mundsir village. A platform 3 ft. square and 2 ft. high, defines the station. λ 27 55 13'40 L 73 40 45'31 No. 685
Sand Hill No. 73. (Shekháwáti) λ 28 2 16 L 74 57 56 Nos. 297, 298	Sarangra Village. (Amritsar) λ 31 42 50 L 74 36 53	Sár Tibbi s. (Sarsa) On mound. λ 29 53 38'02 L 74 53 1'75 Nos. 458, 459
Sand Hill No. 74. (Bikāner) λ 28 27 19 L 75 1 50 Nos. 760, 761	Sardárpur s. (Bikāner) On mound about 1 mile S. of the village of that name and about 1'5 miles N.W. of Sukhchainpura. λ 29 30 34'12 L 73 52 24'72 No. 812	Sauwál s. (Amritsar) N. of that village and immediately on the left bank of the Rávi; thánah and tahsil Sauria. A paka pillar 1 ft. high and 3 ft. in dia- meter, with mark-stones at top and bottom, defines the station. λ 31 55 20'57 L 74 46 37'32 No. 1021
Sand Hill No. 76. (Jodhpur) λ 27 5 55 L 74 23 8	Saregarh House. (Bikāner) Flag on Himlah Gogar's house. λ 29 39 36'8 L 74 28 26'7 Nos. 835, 836	Sauwála s. (Bikāner) On a high sand ridge about 3'25 miles N.E. of the village of Sauwála and about 1'5 miles N. of Jalána village. A wooden pin with central dot indicates the station. λ 29 14 23'92 L 75 18 54'64 No. 755
Sand Hill No. 77. (Jodhpur) λ 26 47 52 L 74 21 38 Nos. 235, 236		
Sánd Mátha Hill Temple. (Udaipur) λ 25 32 44'8 L 74 3 7'2 No. 174		

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Sawáipúr, LV (<i>Vide page 12—F.</i>) ° ' ''</p> <p>λ 29 39 13'96 L 75 5 33'30 H 697 h 31 No. 66</p>	<p>Sháhpuria s. (<i>Sarsa</i>) On the highest part of a sand ridge about a mile W. of village so called. It is indicated by a wooden pin with central dot on its surface.</p> <p> ° ' ''</p> <p>λ 29 19 32'84 L 75 12 35'07 No. 756</p>	<p>Shaun s. (<i>Gurdáspur</i>) On low ground about 50 yards S.E. of the village of Shaun; thánah Kalánúr, tahsil Gurdáspur.</p> <p> ° ' ''</p> <p>λ 32 3 4'73 L 75 13 53'54 No. 1060</p>
<p>Sáwar Hill Fort. (<i>Ajmír</i>)</p> <p>λ 25 45 15 L 75 15 50 No. 147</p>	<p>Shahúd s. (<i>Gurdáspur</i>) On a little mound 0'37 of a mile N.W. of that village and about 0'15 of a mile from the left bank of the Rávi; thánah Kalánúr, tahsil Batála. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 4 16'31 L 75 14 4'03 No. 1044</p>	<p>Shehandan Rock N. Head. (<i>Bikáner</i>)</p> <p>λ 27 50 27'3 L 74 47 0'6 Nos. 289, 290</p>
<p>Sera Bhát Flag (<i>Sarsa</i>) On high sand mound.</p> <p>λ 29 28 18'9 L 75 6 40'3</p>	<p>Shai Máttha Hill Temple. (<i>Udaipur</i>) Also called Danola Hill Temple.</p> <p>λ 25 39 19'8 L 75 22 38'9 Nos. 145, 146</p>	<p>Shehandan Rock S. Head. (<i>Bikáner</i>)</p> <p>λ 27 50 26'7 L 74 47 0'5</p>
<p>Sháhdra Minaret, (<i>Lahor</i>) S.W., spire.</p> <p>λ 31 37 21'3 L 74 20 40'6 Nos. 984, 985</p>	<p>Shai Máttha Hill Temple. (<i>Udaipur</i>) Also called Danola Hill Temple.</p> <p>λ 25 39 19'8 L 75 22 38'9 Nos. 145, 146</p>	<p>Shekhopur House. (<i>Sarsa</i>) Flag on Rugga Sing's house.</p> <p>λ 29 37 31'5 L 74 59 18'1 Nos. 436, 437</p>
<p>Sháhkot Building. (<i>Jallandar</i>) S.W. angle of westernmost building.</p> <p>λ 31 4 52'6 L 75 22 51'5</p>	<p>Shaikh Manga Village. (<i>Jallandar</i>)</p> <p>λ 31 10 53 L 75 8 10</p>	<p>Shekhúwála Flag (<i>Patidala</i>) On Man Sukh Bania's house.</p> <p>λ 29 59 10'2 L 74 55 2'5</p>
<p>Sháhpúr, LXXXVII (<i>Vide page 15—F.</i>)</p> <p>λ 32 1 33'77 L 75 8 2'08 H 830 h 25 No. 98</p>	<p>Shaikhúpur Temple, (<i>Jallandar</i>) Kalas.</p> <p>λ 31 21 28'3 L 75 24 13'0</p>	<p>Sheron Village, (<i>Amritsar</i>) On highest bank.</p> <p>λ 31 35 36 L 75 24 49</p>
<p>Sháhpur House. (<i>Gurdáspur</i>) Flag on Rám Sing's house.</p> <p>λ 31 57 52'3 L 75 3 14'0 No. 652</p>	<p>Shaipura Palace. (<i>Udaipur</i>)</p> <p>λ 25 37 38'8 L 74 58 6'1 Nos. 142, 143</p>	<p>Shewri Hill Fort, (<i>Jodhpur</i>) E. building.</p> <p>λ 26 21 34'1 L 74 17 18'3 No. 219</p>
<p>Sháhpur No. 1 s. (<i>Amritsar</i>) 0'4 of a mile N.W. of that village and about 1'25 miles from the right bank of the Rávi; thánah and tahsil Narowál. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 57 9'57 L 74 46 56'69 No. 1022</p>	<p>Shakargarh Mound, (<i>Gurdáspur</i>) Flag.</p> <p>λ 32 15 38'5 L 75 12 30'7 No. 663</p>	<p>Shisham Hill Temple. (<i>Shekhawáti</i>)</p> <p>λ 27 26 6'2 L 75 3 42'5 Nos. 269, 270</p>
<p>Sháhpur No. 2 s. (<i>Gurdáspur</i>) On high border of a field about 0'68 of a mile S. of Darangúla village and on the left bank of a branch of the Rávi; thánah Baráúpur, tahsil Dínánagar. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 6 49'01 L 75 20 8'22 No. 1050</p>	<p>Shakar Sháhwála Mound. (<i>Sarsa</i>) Flag on high mound (remains of village).</p> <p>λ 29 31 43'7 L 75 11 59'3 Nos. 415, 416</p>	<p>Síai, XLVII (<i>Vide page 11—F.</i>)</p> <p>λ 29 1 2'80 L 75 3 57'18 H 760 h 6 No. 58</p>
<p>Sháhpur No. 2 s. (<i>Gurdáspur</i>) On high border of a field about 0'68 of a mile S. of Darangúla village and on the left bank of a branch of the Rávi; thánah Baráúpur, tahsil Dínánagar. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 32 6 49'01 L 75 20 8'22 No. 1050</p>	<p>Shálemár Garden, • (<i>Lahor</i>) Flag over mark on turret of centre building.</p> <p>λ 31 35 12'8 L 74 25 25'9 Nos. 979, 980</p>	<p>Siálkot Chapel of Ease, (<i>Siálkot</i>) Belfry.</p> <p>λ 32 31 23'2 L 74 35 17'0 Nos. 669, 670</p>
<p>Sháhpur Village. (<i>Amritsar</i>)</p> <p>λ 31 57 16 L 74 47 17</p>	<p>Shámpándi s. (<i>Bukáner</i>) On the house of Jugat Rám Sád, about 5 miles N.W. of Reni town. It is indicated by a dot and circle inscribed on the roof.</p> <p>λ 28 44 20'01 L 75 2 24'85 Nos. 767, 768</p>	<p>Siálkot Church, (<i>Siálkot</i>) Large, centre of steeple.</p> <p>λ 32 31 14'5 L 74 36 20'6 Nos. 671 672</p>

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
Siálkot R.C. Chapel, (Siálkot) Centre. λ 32 31 10'4 L 74 36 46'2 No. 668	Sívían Mound, (Patiála) Flag near village. λ 30 15 38'6 L 74 56 27'2 Nos. 518, 519	Sultánpur Fort, (Jallandar) S. cupola of gateway of building. λ 31 12 53'9 L 75 13 56'3
Siálkot Shiwála, (Siálkot) Spire in city. λ 32 29 28'4 L 74 35 11'9 No. 667	Sobraun No. 1 s. (Ferozpur) On remains of British battery. λ 31 6 18'58 L 74 55 9'30	Sultánpur W. Minaret. (Jallandar) λ 31 12 53'8 L 75 13 55'6 No. 697
Siára Hill Temple, (Jodhpur) Near town. λ 26 27 15'6 L 73 46 0'2 Nos. 231, 232	Sobraun No. 2 s. (Lahor) On ruined fort. λ 31 10 54'52 L 74 53 26'26	Súpra Hill. (Udaipur) λ 25 12 37 L 74 30 2
Sidowán Building, (Ludhiána) In fort, S.W. angle. λ 30 55 45'2 L 75 31 0'8	Sodiwála, LXXII (Vide page 18—F.) λ 30 55 0'61 L 74 58 4'55 H 718 h 25 No. 83	Súratgarh s. (Bikáner) Mark on Rája's Mahal (built during the famine) in fort. λ 29 19 37'65 L 73 56 30'95 No. 850
Sikandarpur Flag (Sarsa) On high mound (remains of village). λ 29 32 53'5 L 75 9 4'4	Sohúwála Custom House, (Sarsa) Flag on roof. λ 29 39 33'6 L 75 0 33'2 Nos. 440, 441	Súr Sing s. (Lahor) On highest paka building belonging to Jawáhar Sing Lambardár; thánah Patti, tahsil Kasúr. A platform with trigonometrical mark inscribed thereon, defines the station. λ 31 23 57'03 L 74 45 28'57 No. 876
Sikanwála House. (Faridkot) Flag on Khuda Sing's house. λ 30 38 21'4 L 74 52 21'3 No. 566	Sonábhár s. (Bikáner) On the highest part of a sand ridge about 1 mile S. of Kulána. Indicated by a wooden pin with central dot. λ 28 28 19'55 L 75 21 24'92 No. 741	Tájgarh Temple, (Lahor) Spire. λ 31 36 14'1 L 74 29 37'8 No. 974
Singhána Flag (Sarsa) On mound (remains of village). λ 29 31 8'1 L 74 40 37'9	Sujágarh s. (Bikáner) On Kastúr Chand Bania's paka house about the centre of the town and about 100 yards N. of fort. Marked by a dot and circle. λ 27 41 51'68 L 74 30 31'94 Nos. 733, 734	Tákhra s. (Bikáner) λ 27 47 32'60 L 73 46 28'91 No. 684
Singpura Flag (Lahor) On house. λ 31 22 3'1 L 74 44 31'5	Sukladi Flag (Patiála) On Guláb Sing's house. λ 30 0 7'1 L 74 57 21'5	Takhtmal Flag (Sarsa) On Mohar Sing's house. λ 29 51 13'9 L 75 2 56'1
Singpura Village. (Ferozpur) λ 31 0 12 L 75 21 15	Sultánkhánwála s. (Ferozpur) On Híra Mal Bania's house. λ 30 55 58'63 L 74 48 57'07 No. 864	Talrd Village. (Amritsar) λ 31 32 5 L 75 5 48
Sirí, LXXXV (Vide page 15—F.) λ 31 52 36'14 L 75 7 9'57 H 846 h 25 No. 96	Sultán Pír Mound, (Sarsa) Flag. λ 29 34 15'3 L 74 31 41'6 Nos. 833, 834	Talwandi Flag (Patiála) On Kishan Sing's house. λ 29 59 1'5 L 75 7 16'8
Sirsá, LIII (Vide page 11—F.) λ 29 31 35'39 L 75 3 41'94 H 738 h 4 No. 64	Sultánpur E. Minaret. (Jallandar) λ 31 12 53'9 L 75 13 56'2 No. 596	Talwandi House. (Ferozpur) Flag on Bhái Sapúran Sing's house. λ 30 51 18'6 L 74 58 14'6 Nos. 579, 580

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Talwandi Temple, (Patiāla) Spire.</p> <p>λ 29 59 14.3 L 75 7 12.9 Nos. 488, 489</p>	<p>Tarn Tāran Gurūdwāra Temple, (Amritsar) Spire of gilded dome.</p> <p>λ 31 27 3.6 L 74 58 1.2 Nos. 606, 607</p>	<p>Thiunā, LXII (Vide page 12—F.)</p> <p>λ 30 10 16.04 L 74 52 28.27 H 704 h 30 No. 78</p>
<p>Tamālāwālā, LXX (Vide page 13—F.)</p> <p>λ 30 44 44.36 L 74 55 35.97 H 729 h 26 No. 81</p>	<p>Tarn Tāran Minaret, (Amritsar) Centre of dome.</p> <p>λ 31 27 9.7 L 74 58 0.3 Nos. 608, 609</p>	<p>Thoria s. (Bikāner) On a high sand mound about 0.75 of a mile N. E. of Gogatia village and 1.5 miles S.W. of Reni. It is indicated by a wooden pin with a central dot.</p> <p>λ 28 38 54.05 L 75 3 18.81 No. 740.</p>
<p>Tāna Village. (Amritsar)</p> <p>λ 31 43 32 L 74 31 19</p>	<p>Teona Flag (Patiāla) On Jimmi Sing's house.</p> <p>λ 29 55 43.2 L 75 7 9.9</p>	<p>Tihāra Mausoleum, (Ludhiāna) Dome.</p> <p>λ 30 56 30.6 L 75 25 40.7</p>
<p>Tāra s. (Lahor) On S. outskirts of the low jungle, that lies N. E. of Miānmir cantonment and about 1.75 miles N. W. of Tāra village; thānah and tahsil Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 34 9.86 L 74 27 53.92 No. 947</p>	<p>Thalwandi Building, (Jallandar) Stair case seat.</p> <p>λ 31 17 57.3 L 75 13 4.7</p>	<p>Tikhānwāla House. (Patiāla) Flag on Sobha Brāhman's house.</p> <p>λ 29 58 3.6 L 74 56 58.8 Nos. 480, 481</p>
<p>Tāra Village, (Lahor) Centre.</p> <p>λ 31 33 28 L 74 29 28</p>	<p>Thāman s. (Lahor) On a high paka building belonging to Bāba Marār in village so called; thānah and tahsil Kasūr. Marked by a circle and dot on paka roof.</p> <p>λ 31 9 34.11 L 74 19 0.98 No. 881</p>	<p>Tilaria Flag (Sarsa) On high mound (remains of village).</p> <p>λ 29 26 56.4 L 74 57 8.6</p>
<p>Tārāgarh Hill Fort, (Ajmir) Centre of arch of gateway.</p> <p>λ 26 26 29.0 L 74 39 31.4</p>	<p>Thatti Flag (Amritsar) On Mya Dia Sādhu's house.</p> <p>λ 31 18 8.8 L 74 59 50.4</p>	<p>Tilokā, LVII (Vide page 12—F.)</p> <p>λ 29 49 3.00 L 75 3 57.54 H 710 h 21 No. 68</p>
<p>Tārāgarh Idgāh. (Ajmir) N. Minaret of Idgāh in fort. Also de- termined by Ajmir Revenue Survey.</p> <p>λ 26 26 29.2 L 74 39 31.6 No. 227</p>	<p>Thatti House. (Ferozpur) Flag on Gurmukh Sing's house.</p> <p>λ 30 33 52.5 L 75 4 12.4 Nos. 553, 554</p>	<p>Tilwandi s. (Amritsar) 0.72 of a mile E. of village so called and 0.5 of a mile from the right bank of the Rāvi; thānah Miāni, tahsil Narowāl. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 49 56.69 L 74 36 1.44 No. 1012</p>
<p>Tārāgarh S. Cupola, (Ajmir) On gateway of hill fort.</p> <p>λ 26 26 28.9 L 74 39 31.6 Nos. 211, 212</p>	<p>Thaura Hill Temple. (Bikāner)</p> <p>λ 27 39 29.4 L 74 37 43.3 Nos. 275, 276</p>	<p>Tirathnāth s. (Jodhpur) On hill temple.</p> <p>λ 27 20 19.73 L 74 33 43.32 Nos. 251, 252</p>
<p>Tārāgarh Turret. (Amritsar)</p> <p>λ 31 32 59.4 L 75 6 15.2 No. 989</p>	<p>Thetar s. (Lahor) On top of Sardār Jaimal Sing's house; thānah and tahsil Lahor. A platform with trigonometrical mark inscribed thereon defines the station.</p> <p>λ 31 25 15.45 L 74 30 1.93 No. 891</p>	<p>Tomb No. 1. (Sarsa) Centre of dome.</p> <p>λ 29 28 16.7 L 75 1 37.7 Nos. 382, 383</p>
<p>Tarehwal Village. (Ferozpur)</p> <p>λ 30 59 23 L 75 22 1</p>	<p>Thiraj Dharmśāla, (Sarsa) Flag.</p> <p>λ 29 43 40.8 L 75 9 40.7 Nos. 450, 451</p>	<p>Tomb No. 2. (Sarsa) Centre of dome.</p> <p>λ 29 29 46.9 L 75 4 43.1 Nos. 393, 394</p>
	<p>Thirathnāth, XXX (Vide page 9—F.)</p> <p>λ 27 20 19.56 L 74 33 43.83 H 1478 h 2 No. 41</p>	

Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.	Name of station, district, description, co-ordinates &c.
<p>Tonkro h.s. (<i>Kishanganj</i>) Also determined by Ajmír Revenue Survey.</p> <p>λ 26 38 59'08 L 74 55 36'93 No. 240</p>	<p>Upál s. (<i>Amritsar</i>) On the boundary of Upál and Fathipur and to the S. W. of the former; thánah Bhairowál, tahsíl Tarn Táran. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 29 14'26 L 75 13 1'94 No. 915</p>	<p>Várpár s. (<i>Amritsar</i>) 1'45 miles S. of that village; thánah Jandiála, tahsíl Amritsar. A Paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 32 9'00 L 74 56 26'62 No. 923</p>
<p>Toti Khokhar. s. (<i>Amritsar</i>) 0'54 of a mile S. of village so called and 1'25 miles from the right bank of the Rávi; thánah and tahsíl Sháhdra. Marked by a pin.</p> <p>λ 31 44 42'43 L 74 32 20'59 No. 1006</p>	<p>Usmánwála s. (<i>Ferozpur</i>) On house.</p> <p>λ 31 3 37'34 L 74 47 18'63</p>	<p>Vasáhu-da-kot Village. (<i>Gurdáspur</i>)</p> <p>λ 32 6 54 L 75 13 46</p>
<p>Trijunction Pillar, (<i>Jallandar</i>) Of Revenue Survey.</p> <p>λ 31 24 46'0 L 75 19 3'8</p>	<p>Vadáli s. (<i>Amritsar</i>) By the side of the road leading from Basarki to Amritsar and N. W. of Vadáli (<i>Gurúki</i>) village; thánah Bopara, tahsíl Tarn Táran. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 36 57'25 L 74 50 1'21 No. 933</p>	<p>Walhúr s. (<i>Ferozpur</i>) On roof of Malúk Sing Lambardár's house.</p> <p>λ 30 56 27'97 L 74 46 9'45 No. 866</p>
<p>Tung, LXXXII (<i>Vide page 14—F.</i>)</p> <p>λ 31 39 17'24 L 74 56 57'25 H 788 h 30 No. 93</p>	<p>Vádiwála Flag (<i>Fardkót</i>) On mound.</p> <p>λ 30 32 11'3 L 74 57 5'6</p>	<p>Waltoha s. (<i>Lahor</i>) On Sardár Amar Sing's house; thánah Patti, tahsíl Kasúr. A platform with trigonometrical mark inscribed thereon, defines the station.</p> <p>λ 31 12 24'21 L 74 40 57'76 No. 877</p>
<p>Ucharda Hill. (<i>Ajmír</i>) Also called Mewária hill.</p> <p>λ 26 20 24 L 74 23 8</p>	<p>Vága s. (<i>Lahor</i>) On the elevated piece of ground 0'67 of a mile N. E. of that village; thánah and tahsíl Lahor. A paka pillar 1 ft. high and 3 ft. in diameter, with mark-stones at top and bottom, defines the station.</p> <p>λ 31 36 21'56 L 74 35 46'55 No. 942</p>	<p>Wazír Village. (<i>Amritsar</i>)</p> <p>λ 31 30 15 L 75 19 3'5</p>
<p>Uchlanga s. (<i>Jodhpur</i>)</p> <p>λ 27 27 50'05 L 73 32 39'62 No. 680</p>	<p>Vandár Flag (<i>Ferozpur</i>) On Basan Sing's house.</p> <p>λ 30 30 46'1 L 75 2 56'8</p>	<p>Yálki s. (<i>Bikáner</i>) On Isar Lambardár's house, N.N.W. side of Yálki village.</p> <p>λ 29 36 22'05 L 74 8 28'07 No. 808</p>
<p>Ugoki House. (<i>Ferozpur</i>) Flag on Rápa Sing Zamíndár's house.</p> <p>λ 30 54 22'3 L 74 47 36'0 Nos. 873, 874</p>	<p>Vára s. (<i>Amritsar</i>) On the island between the two branches of the Rávi and 0'80 of a mile N.E. of village so called; thánah and tahsíl Sauria. Marked by a paka pillar 1 ft. high and 3 ft. in diameter with mark-stones at top and bottom.</p> <p>λ 31 48 9'92 L 74 37 10'14 No. 101F</p>	<p>Zaffarwál House. (<i>Sialkót</i>) Flag on Múla Sháh and Bhág Mal's house.</p> <p>λ 32 20 43'1 L 74 56 30'2 No. 664</p>
<p>Umartáni h.s. (<i>Udaipur</i>)</p> <p>λ 25 1 4'85 L 74 55 43'81</p>		<p>Zira House. (<i>Ferozpur</i>) Flag on Bodh Sing's house.</p> <p>λ 30 58 2'9 L 75 1 48'7 Nos. 591, 592</p>
<p>Unchal s. (<i>Bikáner</i>) On a high sand hill about 2 miles W. of the large villages of Rájpura and Saithún. Indicated by a wooden pin with a central dot.</p> <p>λ 28 34 13'75 L 75 12 26'37 No. 739</p>		

July 1874.

J. B. N. HENNESSEY.

NOTE TO CHART No. 2.

Alphabetical list of points omitted in the Chart from want of space on which to project them.

Abholi	Flag.	Gújarwála	Village.	Malúka	Flag.
Amritsar	Bába Atal Minaret.	Guniána	Flag.	Mánawála	"
Do.	Bunga "	Hodiára	"	Mangála	"
Do.	Gurúdwára.	Jagmalwáli	"	Miáni	Village.
Do.	Haveli.	Jasar Khás	"	Miávind	"
Do.	Rámgarh Minaret.	Jasi	"	Mírpur	Flag.
Anbolta	Flag.	Ját's Temple	Kalas.	Mulháki	"
Awan	Village.	Jaul	Village.	Multánia	"
Badála	"	Jaura	Shiwála.	Munda	Village.
Bája	Flag.	Jaurki No. 2.	"	Múránwáli	Flag.
Banbíha	"	Jhunprah	Flag.	Náthowála	"
Bara Kot Karor	"	Jíwanwála	"	Niámiwála	"
Bara Malha	"	Jogánand	"	Pakhoka	Village.
Bara Sangat	"	Jukanwála	Village.	Phata	"
Bara Sekha	"	Kála Khatái	"	Pohána	"
Baraich	Village.	Kálu	"	Puáthvind	"
Barládah	Flag.	Kámeh	Square Building.	Rája Chatar Sing's	Garden.
Bhagelewála	"	Kamírpur	Date Tree.	Rangarh	Village.
Bhagwánpur	Turret.	Kánákauta	Village.	Ratan	"
Bhol	Village.	Kanjari-ka-Pul	"	Ratar-Chatar	Khángáh.
Bhúda	Flag.	Kánúpur	Turret.	Samehwála	Village.
Bopára	Turret.	Khana	Village.	Sárangra	"
Bora	Flag.	Khandúr	Temple.	Shaikh Manga	"
Burjánwáli	"	Khángah	Building.	Shálemár	Garden.
Chaba	Village.	Khapar Khári	Turret.	Sikandarpur	Flag.
Chamba	"	Khoáspur	Hill Tomb.	Singpura	"
Chidr	"	Kotli	Village.	Singpura	Village.
Chota Sekha	Flag.	Kot Samír	Flag.	Sukladi	Flag.
Daimíro Nawa	"	Lahor	Anár Kali's Tomb.	Tájgarh	Temple.
Desu Malkána	"	Do.	Haveli.	Tabid	Village.
Dharár	"	Do.	House.	Tána	"
Dharmapura	"	Do.	Sonahri Mosque.	Tárágarh	Turret.
Diál	Village.	Do.	Wazír Khán's	Thalwandi	Building.
Dogar	"	Lákhú-Jorar	"	Tilaria	Flag.
Duburji	Tower.	Lodhigújur	Flag.	Vádiwála	"
Dugári	Village.	Machiwára	Village.	Vandár	"
Fathigarh	Flag.	Mala	"	Vasáhu-dá-kot	Village.
Gairi	"		"		



