
LISTS OF OFFICERS
IN THE
SURVEY DEPARTMENTS
ON THE
1st APRIL 1876.

CONTENTS

	PAGES
TOPOGRAPHICAL AND REVENUE SURVEY DEPARTMENT—	
Classified List	1
General List	8
SURVEYOR-GENERAL'S OFFICE AND TOPOGRAPHICAL SURVEY DEPARTMENT—	
Disposition List	16
REVENUE SURVEY DEPARTMENT—	
Disposition List	20
GREAT TRIGONOMETRICAL SURVEY DEPARTMENT—	
Classified List	22
General List	26
Disposition List	30
MYSORE REVENUE SURVEY DEPARTMENT—	
Classified List	34
General List	34
Disposition List	36
BEAR REVENUE SURVEY DEPARTMENT—	
Classified List	38
General List	38
Disposition List	38
MARINE SURVEY DEPARTMENT—	
Classified List	41
General List	42
Disposition List	42
GEOLOGICAL SURVEY DEPARTMENT—	
Classified List	44
General List	44
Disposition List	46
FOREST DEPARTMENT—	
Classified List	48
General List	52
Disposition List	56
GENERAL ALPHABETICAL INDEX	73

Classified List of Officers of the Topographical and Revenue Survey Departments as it stood on the 1st April 1876.

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
ADMINISTRATIVE STAFF.				Rs. A. P.	
1	1 Col. H. L. Thuillier, c. s. I., F. B. S.	Survr. Genl. of India and Supdt. of Topo- graphical Surveys ...	...	3,000 0 0	
1	1 Col. D. C. Vanrenen, B. A., P. H.	Dy. Survr. Genl. and Supdt. of Revenue Survvs. Lower Circle	...	2,265 10 0	
1	1 J. O. N. James, Esq.	1st Asst. Survr. Genl.	...	1,000 0 0	
1	1 Capt. J. Waterhouse, s. c.	2nd ditto	...	1,000 0 0	Offg. Dy. Supdt., 3rd grade, from the 28th March 1875, vice Capt. Riddell on leave.
TOPOGRAPHICAL SURVEY DEPARTMENT.					
SENIOR BRANCH.					
1	...	<i>Dy. Supdt., 1st grade, maxm. salary Rs. 1,600, plus pay proper to Engr. Officers.</i>			
1	1 Lt.-Col. G. C. Depree, s. c., P. H.	Dy. Supdt., 1st grade	No. 4, or N.-E. Division, C. P. Survey ...	1,600 0 0	
2	...	<i>Dy. Supdts., 2nd grade, maxm. salary Rs. 1,300, plus pay proper to Engr. Officers.</i>			
1	Capt. W. G. Murray, s. c., P. H. Capt. Geo. Strahan, B. E., P. H. ...	Dy. Supdt., 2nd grade Ditto	No. 8, or Nunddroog Division, Mysore Survey ...	1,383 10 0	On 2 years' furlough up to 14th February 1875; obtain- ed an extension of 6 months' leave, vide Milly. Dept. No- tification No. 224, dated 2nd March 1875. Received extension of 6 months' leave after expiration of the last extension of leave, vide R. A. & C. Dept. No. 573, dated 16th August 1875.
3	...	<i>Dy. Supdts., 3rd grade, maxm. salary Rs. 1,000, plus pay proper to Engr. Officers.</i>			
1	1 Capt. R. V. Riddell, B. E., P. H.	Dy. Supdt., 3rd grade	...	...	On furlough for 17 months, from 20th March 1875, vide G. O. C. C. No. 148, dated 10th February 1876.
2	2 Capt. Charles Strahan, B. E. ...	Ditto	No. 1, or Gwalior and C. I. Survey ...	1,140 0 0	See Administrative Staff.
3	J. O. N. James, Esq. F. D. Girdlestone, Esq. ...	Ditto Ditto	...	...	On furlough for 2 years, from 19th October 1874, vide R. A. & C. Dept. No- tification No. 8, dated 5th January 1875.
REVENUE SURVEY DEPARTMENT.					
SENIOR BRANCH.					
3	...	<i>Dy. Supdts., 1st grade, maxm. salary Rs. 1,600, plus pay proper to Engr. Officers.</i>			
1	1 Lt.-Col. J. Macdonald, s. c., P. H.	Dy. Supdt., 1st grade	...	1,627 14 0	Doing duty in Head-Quar- ters Office. { Rs. 27-14 as personal allow- ance. Rs. 27-14 as personal allow- ance. Ditto ditto.
2	2 Col. H. C. Johnstone, c. B., s. c., P. H.	Ditto	1st or Dera Ismail Khan Dis- trict Survey, Punjab ...	1,627 14 0	
3	3 Lt.-Col. F. C. Anderson, s. c., P. H.	Ditto	5th or Banda District Survey, N. W. P. ...	1,627 14 0	
5	...	<i>Dy. Supdts., 2nd grade, maxm. salary Rs. 1,300, plus pay proper to Engr. Officers.</i>			
1	1 Lt.-Col. A. D. Vanrenen, s. c., P. H.	Dy. Supdt., 2nd grade	...	...	On furlough.
2	2 Lt.-Col. R. E. Oakes, s. c., P. H. R. B. Smart, Esq. ...	Ditto Ditto	...	...	Ditto.
3	3 Major J. Sconce, s. c., P. H. ...	Ditto	7th or Hamirpur Dist. Sur- vey, N. W. P. ...	1,200 0 0	
4	4 W. Lane, Esq. ...	Ditto	12th or Midnapore District Sur- vey, Bengal ...	1,300 0 0	
			...	1,200 0 0	Doing duty in Head-Quarters Office.

(a) Subsidiary leave for 30 days from 14th July 1875, and leave on urgent private affairs to Europe for 6 months. Extension of leave for 6 months on medical certificate.

Classified List of Officers of the Topographical and Revenue Survey

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
REVENUE SURVEY DEPARTMENT.				Rs. A. P.	
SENIOR BRANCH—contd.					
6	<i>Dy. Supdts., 3rd grade, maxm. salary Rs. 1,000, plus pay proper to Engr. Officers.</i>				
1	Maj. Donald Macdonald, s.c., P.H.	Dy. Supdt., 3rd grade	10th or 1st Deccan Topogl. Survey, Bombay ...	1,300 0 0	Offg. in the 2nd grade.
2	Capt. F. Coddington, s. c., P. H.	Ditto ...	... ..	.....	On furlough.
2	,, W. Barron, s. c., P. H. ...	Ditto ...	4th or Moradabad and Budaon Dists. Survey, N. W. P. ...	1,000 0 0	
3	Major H. C. B. Tanner, Bombay, s. c., P. H. ...	Ditto ...	11th or 2nd Deccan Topographical Survey, Bombay ...	1,000 0 0	
4	E. T. S. Johnson, Esq. ...	Ditto ...	6th or Eastern Soane Irrigation Surv., Dist. Gya, Behar ...	1,000 0 0	
TOPOGL. AND REVENUE SURVEY DEPTS.					
SENIOR BRANCH.					
8	<i>Asst. Supdts., 1st grade, maxm. salary Rs. 750, plus pay proper to Engr. Officers.</i>				
1	Capt. D. C. Andrew, s. c., P. H. ...	Asst. Supdt., 1st grade	9th or Azamgarh Dist. Survey, N. W. P. ...	1,000 0 0	Offg. 3rd grade Dopy. Supdt.
2	,, W. H. Wilkins, s. c., P. H.	Ditto ...	2nd or Gurgaon Dist. Survey, Punjab. ...	1,000 0 0	Ditto.
3	J. Campbell, Esq. ...	Ditto ...	14th or Ganges Dearah Survey, Bengal ...	1,000 0 0	Ditto.
4	Capt. E. W. Samuells, s. c., P. H.	Ditto ...	... ..	750 0 0	On special duty, Nepal Frontier Boundary Survey.
5	,, W. F. Badgley, s. c., P.H. ...	Ditto ...	No. 6, or Khasi and Garo Hills Survey ...	1,000 0 0	Offg. 3rd grade since 29th Mar.
6	,, J. E. Sandeman, s. c., P. H.	Ditto ...	... ..	750 0 0	On special duty, Dhanwar Estate Survey.
7	Lieut. T. H. Holdich, B. E., L. S.	Ditto ...	In charge No. 3, or Central Provinces and Vizagapatam Agency Survey ...	820 0 0	Offg. as 3rd grade Dy. Supdt. since 26th March
8	Capt. J. Waterhouse, s. c., P. H.	.....	In charge No. 2, or Khandesh and Bombay Native States Survey	.....	See Administrative Staff.
8	H. Horst, Esq. ...	Asst. Supdt., 1st grade	... ..	750 0 0	On furlough.
9	Capt. H. L. Smith, s. c., P. H. ...	Ditto ...	... ..	.....	On furlough.
10	H. B. Talbot, Esq., L. S. ...	Ditto ...	6th or Agra Dist. Surv., N. W.P.	750 0 0	} These Officers are permanent Asst. Supdts., 1st grade, but have become Offg. only under consolidated scheme.
11	Capt. J. R. Wilmer, s. c., H. S. ...	Ditto ...	In charge No. 5, Topographical Party, Bhopal and Malwa Survey ...	750 0 0	}
8	<i>Asst. Supdts., 2nd grade, maxm. salary Rs. 600, plus pay proper to Engr. Officers.</i>				
1	Capt. H. S. Concan, s. c., P. H. ...	Asst. Supdt., 2nd grade	... ..	.....	On furlough.
1	,, H. S. Hutchinson, s. c., P. H.	Ditto ...	11th or 2nd Deccan Topogl. Survey, Bombay ...	749 1 6	Rs. 140-1-6 personal allowance.
2	E. C. Barrett, Esq., H. S. ...	Ditto ...	7th or Hamirpur Dist. Survey, N. W. P. ...	600 0 0	
3	E. J. Jackson, Esq., L. S. ...	Ditto ...	14th or Ganges Dearah Survey, Bengal ...	600 0 0	
4	Capt. E. H. Steel, s. c., H. S. ...	Ditto ...	5th or Banda Dist. Survey, N. W. P. ...	624 1 6	Rs. 24-1-6 personal allowance.
5	,, R. Beavan, s. c., P. H. ...	Ditto ...	1st or Pera Ismail Khan Dist. Survey, Punjab ...	624 1 6	Ditto.
6	Lieut. R. G. Woodthorpe, B. E., L. S.	Ditto ...	No. 6, or Khasi and Garo Hills	670 0 0	
7	,, E. P. Leach, B. E., L. S. ...	Ditto ...	No. 7, or Rajpootana Survey ...	670 0 0	
8	H. E. Gastrell, Esq., L. S. ...	Ditto ...	... ..	.....	Supernumerary, on furlough.
9	G. H. Cooke, Esq., L. S. ...	Ditto ...	9th or Azamgarh Dist. Survey, N. W. P. ...	600 0 0	Ditto.
7	<i>Asst. Supdts., 3rd grade, maxm. salary Rs. 500, plus pay proper to Engr. Officers.</i>				
7	<i>Civil Officers—Rs. 400.</i>				
1	Lieut. G. W. Martin, s. c., H. S.	Asst. Supdt., 3rd grade	... ..	.....	On furlough.
1	Lieut. A. J. C. Scott, s. c., H. S.	Ditto ...	... ..	.....	On furlough for 2 years.
1	Lieut. J. R. Hobday, s. c., H. S. ...	Ditto ...	No. 1, or Gwalior and Central India Topogl. Survey ...	500 0 0	
2 to 7	Vacant, owing to Officers on furlough.				

Departments as it stood on the 1st April 1876—continued.

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appoint- ment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
	TOPOGRAPHICAL SURVEY DEPARTMENT.			Rs. A. P.	
	JUNIOR BRANCH.				
	SURVEYORS.				
3	<i>1st grade—Salary Rs. 500.</i>				
1	Mr. N. A. Belletty, L. S. ...	Surveyor, 1st grade ...	On duty at Head-Quarters ...	500 0 0	
8	" J. F. Baness ...	Ditto ...	On duty as Chief Draftsman at Head-Quarters Office ...	600 0 0	<i>Supernumerary.</i> (a) Exclusive of Rs. 45 as Presidency house-rent.
2	" A. Chamarett ...	Ditto ...	On duty at Head-Quarters Office	500 0 0	
3	" H. J. Bolst ...	Ditto ...	No. 1, or Gwalior & C. I. Surv.	500 0 0	
4	<i>2nd grade—Salary Rs. 400.</i>				
1	Mr. G. A. McGill, L. S. ...	Surveyor, 2nd grade	No. 4, or N. E. Divn., C. P. Surv.	400 0 0	
2	" D. Atkinson ...	Ditto ...	No. 2, or Khandesh and Bombay Native States Survey ...	400 0 0	
3	" J. A. Vanderputt ...	Ditto ...	No. 4, or N. E. Divn., C. P. Surv.	400 0 0	
4	" R. W. Chew ...	Ditto ...	No. 2, or Khandesh and Bombay Native States Survey ...	400 0 0	
	<i>3rd grade—Salary Rs. 350.</i>				
1	Mr. A. J. Wilson, L. S. ...	Surveyor, 3rd grade ...	No. 2 Topogr. Party, Khandesh and Bombay Native States Survey ...	350 0 0	
2	" J. A. May ...	Ditto ...	No. 3, or C. P. and Vizagapatam Agency Survey ...	350 0 0	
3	Vacant.				
4	<i>4th grade—Salary Rs. 300.</i>				
1	Mr. F. Adams ...	Surveyor, 4th grade...	No. 3, or C. P. and Vizagapatam Agency Survey ...	300 0 0	
2	" R. D. Farrell ...	Ditto ...	No. 1, or Gwalior & C. I. Surv.	300 0 0	
3	" E. S. P. Atkinson ...	Ditto ...	No. 7, or Rajpootana and Simla Survey ...	300 0 0	
4	" M. J. Ogle ...	Ditto ...	No. 6, or Khasi and Garo Hills Survey ...	300 0 0	
5	" A. G. Wyatt ...	Ditto ...	No. 2, or Khandesh & Bombay Native States Survey ...	300 0 0	
	ASSISTANT SURVEYORS.				
8	<i>1st grade—Salary Rs. 250.</i>				
1	Mr. C. F. Hamer ...	Asst. Survr., 1st grade	No. 5, or Bhopal & Malwa Surv.	250 0 0	Leave on medl. certificate for 15 months, from 1st Jan. 1875.
2	" C. A. R. Scanlan ...	Ditto ...	No. 1, or Gwalior & C. I. Surv.	250 0 0	
3	" R. Todd ...	Ditto ...	No. 7, or Rajpootana and Simla Survey ...	250 0 0	
4	" A. Chennell ...	Ditto ...	No. 6, or Khasi and Garo Hills Survey ...	250 0 0	
5	" C. Tapsell ...	Ditto ...	No. 7, or Rajpootana and Simla Survey ...	250 0 0	
6	" A. James ...	Ditto ...	No. 4, or N. E. Divn., C. P. Surv.	250 0 0	
7	" T. E. M. Claudius ...	Ditto ...	No. 3, or C. P. and Vizagapatam Agency Survey ...	250 0 0	
8	" F. Kitchen ...	Ditto ...	No. 8, or Nundidroog Division, Mysore Survey ...	250 0 0	
9	" W. Stotesbury ...	Ditto ...	Ditto ditto ...	250 0 0	
9	<i>2nd grade—Salary Rs. 200.</i>				
1	Mr. J. A. Barker ...	Asst. Survr., 2nd grade	No. 5, or Bhopal & Malwa Surv.	200 0 0	Leave on medl. certificate for 15 months, from 7th Nov- ember 1874.—Extension of leave for 2 months, medi- cal certificate.
2	" E. A. Wainright ...	Ditto ...	Ditto ditto ...	200 0 0	
3	" W. J. Cornelius, L. S. ...	Ditto ...	No. 1, or Gwalior & C. I. Surv.	200 0 0	
4	" W. W. McNair ...	Ditto ...	No. 8, or Nundidroog Division, Mysore Survey ...	200 0 0	
8	" W. F. Pettigrew ...	Ditto ...	No. 3, or C. P. and Vizagapatam Agency Survey ...	200 0 0	
5	" P. J. W. Doran, L. S. ...	Ditto ...	No. 1, or Gwalior & C. I. Surv.	200 0 0	
6	" H. T. Kitchen ...	Ditto ...	No. 5, or Bhopal & Malwa Surv.	200 0 0	
7	" A. Cooper ...	Ditto ...	No. 3, or C. P. and Vizagapatam Agency Survey ...	200 0 0	
8	" J. H. Wilson, L. S. ...	Ditto ...	No. 4, or N. E. Divn., C. P. Surv.	200 0 0	
9	Vacant.				Served previously in the Pegu Survey from 22nd Jan. 1868.
9	<i>3rd grade—Salary Rs. 160.</i>				
1	Mr. W. H. Lilley ...	Asst. Survr., 3rd grade	No. 5, or Bhopal & Malwa Surv.	160 0 0	Served previously in the Pegu Survey from 22nd Jan. 1868.
2	" W. Robert ...	Ditto ...	No. 6, or Khasi & Garo Hills Survey ...	160 0 0	
3	" F. E. Warde ...	Ditto ...	No. 7, or Rajpootana and Simla Survey ...	160 0 0	
4	" C. T. Templeton ...	Ditto ...	No. 1, or Gwalior & C. I. Surv.	160 0 0	
5	" J. McCay ...	Ditto ...	No. 3, or C. P. and Vizagapatam Agency Survey ...	160 0 0	
6	" W. C. G. Barclay ...	Ditto ...	On duty at Head-Quarters ...	160 0 0	
7	Vacant.				
8	Vacant.				
9	Vacant.				

Classified List of Officers of the Topographical and Revenue Survey

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appoint- ment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
TOPOGRAPHICAL SURVEY DEPARTMENT.					Rs. A. P.
JUNIOR BRANCH.					
ASSISTANT SURVEYORS—contd.					
4th grade—Salary Rs. 120.					
8	1 Mr. Geo. Vander Beek	Asst. Survr., 4th grade	No. 3, or C. P. and Vizagapatam Agency Survey	120 0 0	
	2 „ W. M. Kelly	Ditto	No. 7 Rajpootana and Simla Survey	120 0 0	
	3 „ J. Murray	Ditto	No. 5, or Bhopal & Malwa Survey	120 0 0	
	4 „ A. Kitchen	Ditto	Ditto ditto	120 0 0	
	5 „ P. White	Ditto	No. 7, or Rajpootana & Simla Survey	120 0 0	
	6 „ T. Downes	Proby. Asst. Survr., 4th grade	No. 5, or Bhopal & Malwa Survey	120 0 0	
	7 „ E. Graham, L. S.	Ditto	No. 2, or Khandesh and Bombay Native States Survey	120 0 0	
	8 „ G. L. Fleming	Ditto	No. 4, or N. E. Divn., C. P. Surv.	120 0 0	
	9 „ G. R. Copping	Ditto	No. 5, or Bhopal & Malwa Surv.	120 0 0	
	10 „ G. A. Knight	Ditto	No. 1, or Gwalior & C. I. Surv.	120 0 0	
	11 „ Duncan Campbell	Ditto	No. 3, or Central Provinces and Vizagapatam Agency Survey	120 0 0	
REVENUE SURVEY DEPT. JUNIOR BRANCH. SURVEYORS.					
1st grade—Salary Rs. 500.					
2	1 Mr. George Housden	Reve. Surveyor, 1st grade	1st or Dera Ismail Khan District Survey, Punjab	500 0 0	Exclusive of Rs. 15, half-scale local allowance whilst in the field.
	2 „ William Henry Patterson, L. S.	Ditto	...	500 0 0	On deputation to Darrang Lakshmi Holdings Survey. Exclusive of Assam and deputation allowance Rs. 100.
2nd grade—Salary Rs. 400.					
4	S Mr. Frederick William Kelly, H. S.	Reve. Surveyor, 2nd grade	...	400 0 0	Exclusive of personal allowance Rs. 100. Supernumerary.—Doing duty in Head-Quarters Office.
	1 „ Charles William Campbell	Ditto	5th or Muttra and Banda Districts Survey, N. W. P.	400 0 0	
	2 „ Edward Loftie	Ditto	2nd or Gurgaon District Survey, Punjab	400 0 0	
	3 „ George Henry Blythe	Ditto	Ditto ditto	400 0 0	
	4 „ Frederick Grant	Ditto	8th or Western Soane Irrigation, District Shahabad, Behar	400 0 0	
3rd grade—Salary Rs. 350.					
8	1 Mr. William Sinclair	Reve. Surveyor, 3rd grade	4th or Moradabad and Budaon Districts Survey, N. W. P.	350 0 0	
	2 „ Constantine Brownfield, L. S.	Ditto	7th or Hamirpur District Survey, N. W. P.	350 0 0	
	S „ Arthur David Smart	Ditto	...	350 0 0	Supernumerary.—Doing duty in Head-Quarters Office.
	S „ Robert Barclay	Ditto	...	350 0 0	Ditto ditto.
	3 „ James Todd	Ditto	12th or Midnapore District Survey, Bengal	350 0 0	
	4 „ Patrick Augustus George Cowley, L. S.	Ditto	6th or Eastern Soane Irrigation Surv., District Gya, Behar	350 0 0	
	5 „ Charles David	Ditto	12th or Midnapore District Survey, Bengal	350 0 0	
	6 „ George Rae	Ditto	8th or Western Soane Irrigation Surv., Dist. Shahabad, Behar	350 0 0	
	7 „ Samuel Mack Smylie, L. S.	Ditto	11th or 2nd Deccan Topographical Survey, Bombay	350 0 0	Exclusive of half-scale local allowance Rs. 15.
4th grade—Salary Rs. 300.					
14	1 Mr. Jas. Stewart Pemberton, L. S.	Reve. Surveyor, 4th grade	2nd or Gurgaon District Survey, Punjab	300 0 0	
	2 „ William Robert Vvall	Ditto	Khoordah Survey, Orissa	300 0 0	
	3 „ Henry Ross Littlewood	Ditto	9th or Azamgarh District Survey, N. W. P.	300 0 0	
	4 „ Wm. Alexander Wilson, L. S.	Ditto	14th or Ganges Dearab Survey, Bengal	300 0 0	
	5 „ William Samuel Buttress	Ditto	1st or Dera Ismail Khan District Survey, Punjab	300 0 0	Exclusive of Rs. 15, half-scale local allowance whilst in the field.

Departments as it stood on the 1st April 1876—continued.

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appoint- ment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
	REVENUE SURVEY DEPART- MENT.			Rs. A. P.	
	JUNIOR BRANCH. SURVEYORS.				
	4th grade—contd.				
6	Mr. George Robert Buttress ...	Reve. Survr., 4th grade	8th or Western Soane Irrigation Survey, District Shahabad, Behar ...	300 0 0	
7	„ Thomas Wilfred Reilly, L. s.	Ditto ...	11th or 2nd Deccan Topograp- hical Survey, Bombay ...	300 0 0	Exclusive of half-scale local allowance Rs. 18.
8	„ Alexander Macdonald Lawson, L. s. ...	Ditto ...	10th or 1st Deccan Topogl. Sur- vey, Bombay ...	300 0 0	Ditto ditto.
9	„ Andrew John Gibson ...	Ditto ...	1st Dera Ismail Khan District, Punjab ...	300 0 0	Exclusive of Rs. 15, half-scale local allowance while in field.
10	„ Henry Dowman ...	Ditto ...	7th or Hamirpur Dist. Survey, N. W. P. ...	300 0 0	
11	„ Edwin Little ...	Ditto ...	Khoordah Estate Survey, Orissa	300 0 0	
12	„ Henry Townsend Hanby, L. s.	Ditto ...	4th or Moradabad and Budaon Dist. Surv., N. W. P. ...	300 0 0	
13	„ George Batley Scott, L. s. ...	Ditto ...	Dhanwar Estate Survey ...	300 0 0	
14	Vacant.				
	ASSISTANT SURVEYORS.				
	1st grade—Salary Rs. 250.				
1	Mr. James Hoppner O'Donel ...	Asst. Reve. Survr., 1st grade.	6th or Agra Dist. Surv., N. W. P.	250 0 0	
2	„ Phillip Ford, L. s. ...	Ditto ...	2nd or Gurgaon Dist. Surv., Punjab ...	250 0 0	
3	„ Daniel Arthur King ...	Ditto ...	7th or Hamirpur Dist. Surv., N. W. P. ...	250 0 0	
4	„ Robert Boddington Smart, L. s.	Ditto ...	1st or Dera Ismail Khan Dist. Surv., Punjab ...	250 0 0	Exclusive of Rs. 15, half-scale local allowance whilst in the field.
5	„ Edward Wrafter Lincoln ...	Ditto ...	14th or Ganges Dearah Surv., Bengal ...	250 0 0	
5	„ James Connor ...	Ditto ...	...	250 0 0	} Supernumerary.—Doing duty in Head-Quarters Office.
5	„ Thomas Henry Dunne, L. s.	Ditto ...	...	250 0 0	
6	„ William James Lane ...	Ditto ...	9th or Azamgarh Dist. Surv., N. W. P. ...	250 0 0	
a } ...	2nd grade—Salary Rs. 200.				
11 } 1	Mr. John Thomas Uniacke Coxen	Asst. Reve. Survr., 2nd grade.	11th or 2nd Deccan Topogl. Sur- vey, Bombay ...	200 0 0	Exclusive of half-scale local allowance Rs. 12.
2	„ John Newland, L. s. ...	Ditto ...	10th or 1st Deccan Topogl. Surv., Bombay ...	200 0 0	Exclusive of half-scale local allowance Rs. 12.
3	„ Richard Cunningham Dundee Ewing, L. s. ...	Ditto ...	14th or Ganges Dearah Surv., Bengal ...	200 0 0	
4	„ George William Jarbo ...	Ditto ...	5th or Banda Dist. Surv., N. W. P. ...	200 0 0	
5	„ James Reid Scott, L. s. ...	Ditto ...	Ditto ditto ...	200 0 0	
6	„ John McHatton, L. s. ...	Ditto ...	9th or Azamgarh Dist. Surv., N. W. P. ...	200 0 0	
7	„ William James Smith ...	Ditto ...	1st or Dera Ismail Khan Dist. Surv., Punjab ...	200 0 0	Exclusive of Rs. 12, half- scale local allowance whilst in the field.
8	„ Septimus Oswald Madras ...	Ditto ...	4th or Moradabad and Budaon Dist. Surv., N. W. P. ...	200 0 0	
8	„ Thomas Frederick Freeman, L. s. ...	Ditto ...	...	200 0 0	Supernumerary.—Doing duty at Head-Quarters Office.
9	„ George Carleton Swiney ...	Ditto ...	12th or Midnapore Dist. Surv., Bengal ...	200 0 0	
10 } 11 }	Vacant.				
b } ...	3rd grade—Salary Rs. 160.				
15 } 1	Mr. Charles Walker Wilson, L. s. ...	Asst. Reve. Survr., 3rd grade.	14th or Ganges Dearah Surv., Bengal ...	160 0 0	
2	„ Charles Walter Franklin Seyers ...	Ditto ...	Ditto ditto ...	160 0 0	
3	„ Alfred Collimore Wilson Lemarchand, L. s. ...	Ditto ...	10th or 1st Deccan Topogl. Survey, Bombay ...	160 0 0	Exclusive of half-scale local allowance Rs. 9-0-7.
4	„ John Sidney Swiney ...	Ditto ...	6th or Agra Dist. Surv., N. W. P.	160 0 0	

(a) Includes 1 Leveler.

(b) Includes 2 Levelers.

Classified List of Officers of the Topographical and Revenue Survey Departments as it stood on the 1st April 1876 —concluded.

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
	REVENUE SURVEY DEPARTMENT.			Rs. A. P.	
	JUNIOR BRANCH.				
	ASSISTANT SURVEYORS.				
	<i>3rd grade—continued.</i>				
5	Mr. George Latter Rodway Scott, L. s. ...	Asst. Reve. Surveyor, 3rd grade ...	6th or Agra District Survey, N. W. P. ...	160 0 0	
6	„ James O'Toole ...	Ditto ...	8th or Western Soane Irri. Surv., Shahabad, Behar ...	160 0 0	
7	„ William Joseph Lincoln, L. s. ...	Ditto ...	4th or Moradabad and Budaon Dists. Surv., N. W. P. ...	160 0 0	
8	„ Benjamin Anderson, L. s. ...	Ditto ...	2nd or Gurgaon Dist. Survey, Punjab ...	160 0 0	
9	„ Thomas Shaw, L. s. ...	Ditto ...	8th or Western Soane Irri. Surv., Dist. Shahabad, Behar ...	160 0 0	
10	„ William Henry Penrose, L. s. ...	Ditto ...	11th or 2nd Deccan Topog. Survey, Bombay ...	160 0 0	Exclusive of half-scale local allowance Rs. 9-9-7.
11	„ Edmund James Martin ...	Ditto ...	6th or Eastern Soane Irri. Surv., Dist. Gya, Behar ...	160 0 0	
12	„ William Dease Corbett ...	Ditto ...	7th or Hamirpur Dist. Surv., N. W. P. ...	160 0 0	
13	„ George Edwin Parker ...	Ditto ...	12th or Midnapore Dist. Surv., Bengal ...	160 0 0	
14	„ George Campbell ...	Ditto ...	7th or Hamirpur Dist. Surv., N. W. P. ...	160 0 0	
15	Vacant.				
	PROBATIONARY ASST. SURVEYORS.				
	<i>4th grade—Salary Rs. 120.</i>				
1	Mr. John Murphy ...	Proby. Asst. Revenue Surveyor, 4th grade.	5th or Banda District Survey, N. W. P. ...	120 0 0	
2	„ Charles Wyatt Joseph Ford, L. s. ...	Ditto ...	4th or Moradabad and Budaon Dists. Surv., N. W. P. ...	120 0 0	
3	„ Arthur William Smart ...	Ditto ...	6th or Eastern Soane Irri. Surv., Dist. Gya, Behar ...	120 0 0	
4	„ George Hugh O'Donel ...	Ditto ...	8th or Western Soane Irri. Surv., Dist. Shahabad, Behar ...	120 0 0	
5	„ Henry George Young, H. s. ...	Ditto ...	5th or Banda District Survey, N. W. P. ...	120 0 0	
6	„ Percival Edwin Heberlet ...	Ditto ...	Khoordah Survey, Orissa ...	120 0 0	
7	„ Percy Sheels Ross ...	Ditto ...	5th or Banda District Survey, N. W. P. ...	120 0 0	
8	„ Bruce Macdonald Wilson ...	Ditto ...	12th or Midnapore District Survey, Bengal ...	120 0 0	
9	„ Elliot Playfair Smyth Hill ...	Ditto ...	4th or Moradabad and Budaon Dists. Survey, N. W. P. ...	120 0 0	
10	„ Edmund Hume Stephen Gasper ...	Ditto ...	12th or Midnapore District Survey, Bengal ...	120 0 0	
11	„ Henry Charles Bradley ...	Ditto ...	1st or Dera Ismail Khan Dist. Survey, Punjab ...	120 0 0	Exclusive of Rs. 10-12-6, half-scale local allowance whilst in the field.
12	„ Richard Randall Dickinson, L. s. ...	Ditto ...	10th or 1st Deccan Topog. Survey, Bombay ...	120 0 0	Exclusive of half-scale local allowance Rs. 10-12-9.
13	„ Thomas Anderson ...	Ditto ...	9th or Azamgarh Dist. Survey, N. W. P. ...	120 0 0	
14	„ Edward Bolderodi Montebello Drew ...	Ditto ...	5th or Banda District Survey, N. W. P. ...	120 0 0	
15	„ Paul Agabeg Peters, L. s. ...	Ditto ...	1st or Dera Ismail Khan District Survey, Punjab ...	120 0 0	Exclusive of Rs. 10-12-6, half-scale local allowance whilst in the field.
16	„ Henry Reed Adels ...	Ditto ...	14th or Ganges Deerah Survey, Bengal ...	120 0 0	
17	„ Charles Samuel Kraal ...	Ditto ...	2nd or Gurgaon Dist. Survey, Punjab ...	120 0 0	
18	„ Conly Thomas James Dease ...	Ditto ...	Ditto ditto ...	120 0 0	
19	„ Thos. Campbell ...	Ditto ...	6th or Eastern Soane Irri. Surv., District Gya, Behar ...	120 0 0	
20	„ Lionel Fitzhardinge Berkeley ...	Ditto ...	4th or Moradabad and Budaon Dists. Surv., N. W. P. ...	120 0 0	

(a) Includes 1 Leveler and 4 additional Assistants sanctioned to strengthen ½ parties.

General List of the Officers of the Topographical and Revenue Survey Departments on the 1st April 1876.

1	2	3	4	5	6	7	8	9	10	11	12
Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.	Date of first appointment to Department.	Date of appointment to present grade.	Period of service counting for pension on 1st Apl. 1876.	Present Post.	REMARKS.
			Y. M. D.			Rs. A. P.			Y. M. D.		
1	Mr. William Lane	...	54 5 21	Depty. Supdt., Revenue Survey	2nd grade...	1,200 0 0	Feb. 10, 1837	Mar. 4, 1873	29 6 8	Doing duty at Head-Quarters Office, Calcutta.	<p><i>Periods of deductions from service of Mr. W. Lane.</i></p> <p>Y. M. D.</p> <p>Service before age of 22 years, from 10th February 1837 to 24th September 1843 ... 6 7 29</p> <p>Portion of sick leave, medical certificate, to Europe, from 2nd October 1843 to 9th June 1844 ... 0 8 0</p> <p>Sick leave, from 13th to 10th November 1840 ... 0 0 4</p> <p>Sick leave, medical certificate, to Europe, from 21st May 1847 to 11th August 1849 ... 2 2 23</p> <p>From 18th November to 4th December 1846, caused by transfer in travelling long distance to join new office on abolition of old office ... 0 9 17</p> <p>TOTAL ... 9 7 12</p>
2	James Campbell	...	48 1 27	Asst. Supdt., Revenue Survey	1st grade ...	1,000 0 0	Oct. 8, 1844	Nov. 29, 1867	31 5 24	14th or Ganges Dearth Reve. Surv., Bengal ...	Officiating Deputy Superintendent, 3rd grade.
3	J. O. N. James	...	46 7 24	Asst. Surveyor General	2nd grade...	1,000 0 0	July 29, 1845	April 1, 1869	30 8 3	Asst. Survr. Genl., in charge Cartographic and Engraving Branches, Head-Quarters, Calcutta.	Rs. 200 local allowance.
4	R. B. Smart	...	49 0 28	Depty. Supdt., Revenue Survey	Ditto ...	1,200 0 0	Sept. 21, 1846	Nov. 6, 1868	28 7 9	7th or Hamirpur District Revenue Survey, N. W. P.	<p>Sick leave, from 2nd May to 30th June 1848.</p> <p>Ditto, from 28th October 1848 to 20th January 1849.</p> <p>Ditto, from 8th July 1857 to 13th January 1859.</p> <p>Note.—Absence without leave for 3 days in October 1853 was erroneously entered in list on the 1st October 1872 against Mr. R. B. Smart's name. Leave of absence for 3 months, from</p>
5	Colonel D. C. Vanrenen, R. A.	P. H.	53 10 0	Supdt. of Reve. Surv., Lower-Circle	...	2,265 10 0	Oct. 3, 1846	Mar. 11, 1867	...	Calcutta—Supdt. of Revenue Survey, Lower Circle, and Deputy Surveyor General.	Sick leave, from 21st November 1870 to 20th April 1871.
6	Mr. G. H. Blythe	...	46 5 24	Revenue Surveyor	2nd grade...	400 0 0	Dec. 1, 1846	Jan. 1, 1872	28 11 0	2nd or Gurgaon Dist. Reve. Surv., Punjab ...	
7	E. Loftie	...	48 5 10	Ditto	...	400 0 0	Jan. 1, 1847	Jan. 1, 1871	29 3 0	Ditto ditto.	
8	G. Housden	...	45 2 15	Ditto	1st grade ...	500 0 0	Feb. 18, 1847	July 1, 1867	29 1 11	1st or Dera Ismail Khan District Revenue Survey, Punjab.	
9	N. A. Belletty	L. S.	47 6 26	Topographical Surveyor	Ditto ...	500 0 0	July 16, 1847	April 1, 1866	28 8 16	On duty at Head-Quarters.	
10	C. David	...	48 3 0	Revenue Surveyor	3rd grade ...	350 0 0	Sept. 1, 1847	Jan. 1, 1872	28 7 0	12th or Midnapur Dist. Reve. Surv., Bengal	Office Asst., from 1st Sept. 1847 to 31st Dec. 1861.
11	E. T. S. Johnson	...	47 11 2	Deputy Supdt., Revenue Survey	Ditto ...	1,000 0 0	Oct. 13, 1847	July 5, 1870	28 5 19	6th or Eastern Soane Irri. Surv., Dist. Gya. Behar.	
12	H. B. Talbot	L. S.	47 5 5	Assistant Supdt., Revenue Survey	1st grade ...	750 0 0	Dec. 1, 1848	Sept. 12, 1870	27 4 0	6th or Agra Dist., N. W. P.	
13	W. H. Patterson	...	37 0 29	Revenue Surveyor	Ditto ...	500 0 0	Dec. 1, 1851	Jan. 1, 1871	23 6 0	On deputation to Darrang Lakhiraj Survey, Assam.	Private affairs' leave, from 1st May to 31st Aug. 1862.—Eur. leave on private affairs, from 20th July 1872 to 19th Jan. 1873.
14	A. Chamarett	...	43 4 1	Topographical Surveyor	Ditto ...	500 0 0	June 2, 1852	Mar. 1, 1871	23 9 29	Geographical Examiner, Head-Quarters	Exclusive of Rs. 45 as Presidency house-rent.
15	H. J. Bolst	...	39 1 0	Ditto	...	500 0 0	July 26, 1852	Oct. 1, 1872	23 0 8	No. 1 Topogl. Party, Gwalior and C.I. Survey	On furlough, from 3rd November 1873 to 30th April 1875.
16	Lieut. Col. J. Macdonald, s. c.	P. H.	45 10 20	Depty. Supdt., Revenue Survey	Ditto ...	1,627 14 0	Sept. 10, 1852	April 1, 1866	...	Doing duty, Head-Quarters Office, Calcutta.	Returned to duty 1st May 1876.
17	F. C. Anderson, s. c.	P. H.	48 9 8	Ditto	Ditto ...	1,627 14 0	Ditto	April 1, 1868	...	6th or Banda District Revenue Survey, N. W. P.	
18	Col. H. C. Johnstone, c. D., s. c.	P. H.	52 9 4	Ditto	Ditto ...	1,627 14 0	May 27, 1853	April 1, 1866	...	1st or Dera Ismail Khan District Revenue Survey, Punjab.	
19	Mr. C. W. Campbell	...	44 10 24	Revenue Surveyor	2nd grade...	400 0 0	Nov. 1, 1853	July 1, 1870	22 5 0	5th or Banda Dist. Reve. Surv., N. W. P.	
20	H. Horst	...	41 10 24	Asst. Supdt., Topogl. Survey	Ditto ...	750 0 0	Sept. 1, 1854	Oct. 1, 1869	21 7 0	In charge No. 2 or Khandesh and Bombay Native States Topographical Survey.	
21	Lt. Col. G. C. Deprce, s. c.	P. H.	43 7 28	Depty. Supdt., Topogl. Survey	1st grade ...	1,600 0 0	Oct. 20, 1854	Oct. 20, 1866	...	No. 4 or North-Eastern Divn., Central Provinces Topographical Survey.	
22	Mr. G. A. McGill	L. S.	37 11 7	Topographical Surveyor	2nd grade...	400 0 0	April 8, 1855	Jan. 1, 1871	20 11 23	Ditto ditto.	
23	W. Sinclair	...	37 6 8	Revenue Surveyor	3rd grade ...	350 0 0	Oct. 1, 1855	April 1, 1869	20 6 0	4th or Moradabad and Budaon Dist. Revenue Survey, N. W. P.	
24	G. R. Buttress	...	35 8 0	Ditto	4th grade ...	300 0 0	Nov. 1, 1855	Oct. 31, 1872	19 4 17	8th or Western Soane Irri. Survey, District Shahabad, Behar.	Sick leave, from 9th to 23rd July 1863. Ditto, from 3rd September 1868 to 30th October 1869.
25	W. R. Vyall	...	37 3 2	Ditto	Ditto ...	300 0 0	June 13, 1856	April 1, 1869	19 9 18	Khoordah Survey, Orissa.	
26	Lieut. Col. A. D. Vanrenen, S. C.	P. H.	45 0 15	Depty. Supdt., Revenue Survey	2nd grade...	400 0 0	July 8, 1856	July 8, 1866	...	...	On furlough.
27	Mr. F. Grant	...	40 0 6	Revenue Surveyor	Ditto ...	400 0 0	July 11, 1856	April 1, 1872	19 8 21	8th or Western Soane Irri. Survey, District Shahabad, Behar.	
28	D. Atkinson	...	37 10 23	Topographical Surveyor	Ditto ...	400 0 0	Aug. 4, 1856	Jan. 1, 1871	19 7 28	No. 2 Topogl. Party, Khandesh and Bombay Native States Survey.	
29	J. A. Vanderputt	...	37 5 15	Ditto	Ditto ...	400 0 0	Sept. 1, 1856	Oct. 1, 1874	19 7 0	No. 4 or N. E. Divn., C. P. Topogl. Surv.	Service reckoned under new rules.
30	J. F. Baness	...	45 9 1	Ditto	1st grade ...	600 0 0	Sept. 5, 1856	May 1, 1870	19 6 26	Chief Draftsman, Head-Quarters	
31	R. W. Chew	...	36 8 8	Ditto	2nd grade...	400 0 0	Sept. 15, 1856	Oct. 1, 1871	19 6 16	No. 2 or Khandesh and Bombay Native States Topographical Survey.	
32	C. Brownfield	L. S.	35 7 24	Revenue Surveyor	Ditto ...	350 0 0	Sept. 20, 1856	April 1, 1869	19 6 11	7th or Khoordah Survey, Orissa.	
33	R. Barclay	...	35 8 21	Ditto	Ditto ...	350 0 0	Ditto	Jan. 1, 1871	18 0 5	Supdt. of Revenue Survey's Office, Calcutta...	Private affairs, furlough to Europe, from 11th Dec. 1867 to 8th Dec. 1868. Sick leave, from 9th Nov. 1869 to 14th April 1870. Ditto, for 3 months, from 16th March 1870.
34	Major W. G. Murray, S. C.	P. H.	41 0 21	Depty. Supdt., Topogl. Survey	Ditto ...	.....	May 8, 1857	April 1, 1869	...	...	On furlough to Europe for 2 years, up to 14th February 1874. Since extended for 6 months, vide Military Department Notification No. 223, dated 2nd March 1875. Received extension of 6 months' leave after expiration of the last extension, vide R. A. & C. Dept. No. 673, dated 10th August 1876.

General List of the Officers of the Topographical and Revenue

Survey Departments on the 1st April 1876 — continued.

1	2	3	4	5	6	7
Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
35	Major H. H. Godwin-Austen, S. C. ...	P. H.	Y. M. D. 41 8 27	Depy. Supdt., Topogl. Survey	2nd grade ...	Rs. A. P. ...
36	Lieut. Col. R. E. Oakes, s. c. ...	P. H.	47 1 23	Depy. Supdt., Revenue Survey	Ditto ...	1,300 0 0
37	Mr. F. W. Kelly ...	H. S.	42 7 5	Revenue Surveyor	Ditto ...	400 0 0
38	" P. A. G. Cowley ...	L. S.	34 2 15	Ditto	3rd grade ...	350 0 0
39	" G. Rae ...	...	34 3 9	Ditto	Ditto ...	350 0 0
40	" T. W. Reilly ...	L. S.	33 9 27	Ditto	4th grade ...	300 0 0
41	Major J. Seance, s. c. ...	P. H.	39 11 29	Depy. Supdt., Revenue Survey	2nd grade ...	1,267 7 8
42	Mr. E. Little ...	...	30 5 19	Revenue Surveyor	4th grade ...	300 0 0
43	" S. M. Smylie ...	L. S.	34 4 5	Ditto	3rd grade ...	350 0 0
44	" W. S. Buttress ...	...	32 1 12	Ditto	4th grade ...	300 0 0
45	" A. J. Wilson ...	L. S.	33 7 0	Topographical Surveyor	3rd grade ...	350 0 0
46	" J. A. May ...	...	33 6 14	Ditto	Ditto ...	350 0 0
47	" F. Adams ...	...	39 11 6	Ditto	4th grade ...	300 0 0
48	" R. D. Farrell ...	...	32 2 1	Ditto	Ditto ...	300 0 0
49	" J. S. Pemberton ...	L. S.	32 8 23	Revenue Surveyor	Ditto ...	300 0 0
50	" H. R. Littlewood ...	...	32 4 25	Ditto	Ditto ...	300 0 0
51	Major D. Macdonald, s. c. ...	P. H.	40 3 21	Depy. Supdt., Revenue Survey	3rd grade ...	1,300 0 0
52	Mr. W. A. Wilson ...	L. S.	32 10 12	Revenue Surveyor	4th grade ...	300 0 0
53	" A. J. Gibson ...	...	34 0 0	Ditto	Ditto ...	300 0 0
54	" E. S. P. Atkinson ...	...	30 8 5	Topographical Surveyor	Ditto ...	300 0 0
55	" A. G. Wyatt ...	...	31 1 5	Ditto	Ditto ...	300 0 0
56	Captain F. Coddington, S. C. ...	P. H.	37 10 28	Depy. Supdt., Revenue Survey	3rd grade ...	...
57	" W. Barron, s. c. ...	P. H.	38 2 15	Ditto ditto	Ditto ...	1,000 1 6
58	" Geo. Strahan, R. E. ...	P. H.	37 1 25	Depy. Supdt., Topogl. Survey	2nd grade ...	1,333 10 0
59	" R. V. Riddell, R. E. ...	P. H.	36 0 18	Ditto ditto	3rd grade ...	1,283 10 0
60	Major H. C. E. Tanner, s. c. ...	P. H.	40 8 15	Depy. Supdt., Revenue Survey	Ditto ...	1,000 0 0
61	Mr. H. Dowman ...	...	29 9 20	Revenue Surveyor	4th grade ...	300 0 0
62	" H. T. Hanby ...	L. S.	29 5 12	Ditto	Ditto ...	300 0 0
63	" E. C. Barrett ...	H. S.	32 11 16	Asst. Supdt., Revenue Survey	2nd grade ...	600 0 0
64	" A. M. Lawson ...	L. S.	37 2 29	Revenue Surveyor	4th grade ...	300 0 0
65	Captain D. C. Andrew, s. c. ...	P. H.	35 0 13	Asst. Supdt., Revenue Survey	1st grade ...	1,000 0 0
66	" W. H. Wilkins, s. c. ...	P. H.	34 5 25	Ditto ditto	Ditto ...	1,000 1 6
67	Mr. G. B. Scott ...	L. S.	31 8 0	Revenue Surveyor	4th grade ...	300 0 0
68	" J. T. U. Coxen ...	...	35 6 22	Asst. Revenue Surveyor	2nd grade ...	200 0 0
69	" M. J. Ogle ...	...	34 0 27	Topographical Surveyor	4th grade ...	300 0 0
70	" F. B. Girdlestone ...	...	33 0 0	Depy. Supdt., Topogl. Survey	3rd grade ...	300 0 0
71	" C. F. Hamer ...	...	30 4 24	Asst. Topographical Surveyor	1st grade ...	250 0 0
72	" T. E. M. Claudius ...	...	29 10 0	Ditto ditto	Ditto ...	250 0 0
73	" C. A. R. Scanlan ...	...	28 6 18	Ditto ditto	Ditto ...	250 0 0
74	Captain Charles Strahan, R. E. ...	...	32 10 26	Depy. Supdt., Topographical Survey	3rd grade ...	1,140 0 0
75	Mr. J. H. O'Donel ...	...	30 8 15	Asst. Revenue Surveyor	1st grade ...	250 0 0
76	" J. Newland ...	L. S.	38 7 26	Ditto	2nd grade ...	200 0 0
77	" R. Todd ...	...	30 8 19	Asst. Topographical Surveyor	1st grade ...	250 0 0
78	" P. Ford ...	L. S.	30 3 24	Asst. Revenue Surveyor	Ditto ...	250 0 0
79	Captain E. W. Samuells, s. c. ...	P. H.	33 8 24	Asst. Supdt., Revenue Survey	Ditto ...	750 0 0
80	Mr. J. Todd ...	...	41 10 19	Revenue Surveyor	3rd grade ...	350 0 0
81	" G. Campbell ...	...	26 8 19	Assistant Revenue Surveyor	Ditto ...	150 0 0
82	" R. B. Smart ...	L. S.	28 9 2	Ditto ditto	1st grade ...	250 0 0

8	9	10	11	12
Date of first appointment to Department.	Date of appointment to present grade.	Period of service counting for pension on 1st Apl. 1876.	Present Post.	REMARKS.
May 8, 1857	Jan. 1, 1868	Y. M. D. ...	In charge No. 6 or Khasi, Garo and Naga Hills Topographical Survey.	Subsidiary leave for 30 days from 14th July 1875, and leave on private affairs for 6 months from 13th August. Extension of leave for 6 months on Medical Certificate.
April 7, 1858	April 7, 1867	...	8th or Western Soane Irri. Survey, District Shahabad, Behar.	Rs. 177-14 personal allowance.
Aug. 17, 1858	July 1, 1869	17 7 15	Supdt. of Revenue Survey's Office, Calcutta...	(a) Exclusive of personal allowance of Rs. 100.
Sept. 1, 1859	Oct. 1, 1873	16 7 0	6th or Eastern Soane Irri. Survey, District Gya, Behar.	(b) Commencement of second service.
Ditto	April 1, 1872	16 7 0	8th or Western Soane Irri. Survey, Dist. Shahabad, Behar.	
Oct. 18, 1859	Nov. 1, 1872	16 4 2	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	Absent without leave from 20th Jan. to 28th Feb. 1861.
Oct. 21, 1859	Nov. 6, 1868	...	12th or Midnapore Dist. Reve. Surv., Bengal.	
Jan. 1, 1860	Nov. 5, 1871	16 3 0	Khoordah Survey, Orissa	Apprentice, from 1st Jan. 1860 to 4th Nov. 1862.
July 24, 1860	April 1, 1872	15 8 8	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	
Sept. 1, 1860	Oct. 1, 1872	15 7 0	1st or Dera Ismail Khan District Revenue Survey, Punjab.	Copyist, from 1st to 30th September 1860.
Oct. 1, 1860	April 1, 1874	15 6 0	No. 2, Topogl. Party, Khandesh and Bombay Native States Survey.	
Ditto	Oct. 1, 1871	15 6 0	No. 3, or Central Provinces and Vizagapatam Agency Topogl. Survey.	
Ditto	Ditto	19 4 20	Ditto ditto	Including service as Sub-Surveyor, from 3rd November 1860 to 30th September 1860.
Ditto	April 1, 1872	15 6 0	No. 1, or Gwalior and C. I. Topogl. Survey.	
Oct. 6, 1860	Ditto	15 5 21	2nd or Gurgaon Dist. Reve. Surv., Punjab	Overstayed privilege leave by five days in June 1869.
Ditto	Ditto	15 5 26	9th or Azamgarh Dist. Reve. Surv., N. W. P.	
Dec. 19, 1860	April 1, 1866	...	10th or 1st Deccan Topogl. Surv., Bombay Presidency.	Officiating Deputy Superintendent, 2nd grade.
Jan. 1, 1861	April 1, 1872	15 3 0	14th or Gauges Dearah Reve. Surv., Bengal.	
May 1, 1861	Oct. 1, 1873	14 10 27	1st or D. I. Khan Dist. Reve. Surv., Punjab...	Absent without leave three days in January 1866.
Aug. 13, 1861	April 1, 1872	14 7 19	No. 7, or Rajpootana and Simla Topogl. Surv.	
Nov. 1, 1861	April 1, 1874	14 5 0	No. 2, or Khandesh and Bombay Native States Topographical Survey.	
Jan. 17, 1862	July 26, 1867	...	...	On furlough.
June 27, 1862	April 1, 1870	...	4th or Moradabad and Budaon Dists. Reve. Surv., N. W. P. Division.	
July 2, 1862	Oct. 26, 1870	...	No. 8, or Nundidroog Division Mysore Survey.	
Aug. 28, 1862	Oct. 1, 1867	...	...	Officiating Deputy Supdt., 2nd grade, vice Major Godwin-Austen, on furlough. On privilege leave for 3 months, from 15th September 1874.
Oct. 10, 1862	April 1, 1870	...	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	On furlough for 17 months, from 20th March 1875.
Oct. 16, 1862	Oct. 16, 1874	13 5 1	7th or Hamirpur Dist. Reve. Surv., N. W. P. ...	Absent without leave three days, and on sick leave for two days, in October 1865. Sick leave for four days in December 1865. Ditto, from 11th to 16th December 1866.
Nov. 13, 1862	Nov. 13, 1874	13 4 18	4th or Moradabad and Budaon Dists. Reve. Surv., N. W. P.	
Nov. 18, 1862	Dec. 30, 1868	13 3 13	7th or Hamirpur Dist. Reve. Surv., N. W. P.	Sick leave for one month, from 20th June 1869.
Ditto	May 1, 1873	13 4 13	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	
Dec. 30, 1862	Dec. 30, 1866	...	9th or Azamgarh Dist. Reve. Surv., N. W. P.	Officiating Deputy Supdt., 3rd grade.
April 27, 1863	April 27, 1867	...	2nd or Gurgaon Dist. Reve. Surv., Punjab	Ditto ditto.
May 1, 1863	Dec. 15, 1874	12 11 0	Dhanwar Estate Survey, Bengal.	
May 16, 1863	Jan. 1, 1874	12 9 22	2nd Deccan Topogl. Survey, Bombay Presidency.	Sick leave, from 8th to 31st October 1873.
July 1, 1863	April 1, 1873	12 0 27	No. 6, or Khasi and Garo Hills Topogl. Surv.	(c) Exclusive of 15 months' leave on medical certificate to Europe, from 23rd Sept. 1867 to 28th Dec. 1868. On furlough for 2 years, from 18th Oct. 1871. Service reckoned under new rules.
Aug. 1, 1863	Aug. 11, 1873	e9 9 0	...	
Aug. 3, 1863	Oct. 1, 1871	8 1 24	No. 5, or Bhopal and Malwa Topogl. Surv.	
Aug. 10, 1863	April 1, 1874	7 10 0	No. 3, or Central Provinces and Vizagapatam Agency, Topogl. Survey.	
Sept. 9, 1863	Oct. 1, 1871	6 6 18	No. 1 Topgl. Party, Gwalior and C. I. Survey	Leave on medical certificate for 4 months, from 1st Jan. 1875.
Sept. 26, 1863	Dec. 1, 1867	...	No. 1, or Gwalior and C. I. Topogl. Survey.	
Oct. 1, 1863	Oct. 1, 1872	8 8 15	6th or Agra Dist. Reve. Surv., N. W. P.	
Oct. 22, 1863	June 29, 1871	12 5 10	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	
Nov. 1, 1863	Oct. 1, 1871	8 8 19	No. 7, or Rajpootana and Simla Topogl. Surv.	
Dec. 15, 1863	June 4, 1873	8 3 19	2nd or Gurgaon District Reve. Surv., Punjab	Absent without leave one day, and on sick leave days in October 1865.
Dec. 17, 1863	Jan. 25, 1868	...	On special duty, Nepal Frontier.	
Dec. 27, 1863	Jan. 1, 1872	12 3 4	12th or Midnapore Dist. Reve. Surv., Bengal	Overstayed privilege leave by one day in August 1874.
Jan. 1, 1864	Dec. 1, 1874	4 8 19	7th or Hamirpur Dist. Reve. Surv., N. W. P.	Office Asst., from 1st Jan. 1864 to 28th Feb. 1871.
Ditto	May 27, 1874	6 9 2	1st or Dera Ismail Khan Dist. Reve. Surv., Punjab.	Apprentice, from 1st January to 31st December 1864.

General List of the Officers of the Topographical and Revenue

Survey Departments on the 1st April 1876—continued.

1	2	3	4	5	6	7
Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
			Y. M. D.			Rs. A. P.
83	Mr. D. A. King	...	29 4 26	Asst. Revenue Surveyor	1st grade ...	250 0 0
84	" A. Chennell	...	29 4 16	Asst. Topographical Surveyor	Ditto ...	250 0 0
85	" A. James	...	29 4 12	Ditto	Ditto ...	250 0 0
86	" C. Tapsell	...	31 4 17	Ditto	Ditto ...	250 0 0
87	" E. J. Jackson	L. S.	32 3 0	Asst. Supdt., Revenue Survey	2nd grade ...	600 0 0
88	" W. Stotesbury	...	28 8 6	Asst. Topographical Surveyor	1st grade ...	250 0 0
89	" F. Kitchen	...	30 0 7	Ditto	Ditto ...	250 0 0
90	Captain J. E. Sandeman, s. c.	P. H.	32 6 29	Asst. Supdt., Revenue Survey	Ditto	750 0 0
91	Mr. C. W. F. Seyers	...	32 7 15	Asst. Revenue Surveyor	3rd grade ...	160 0 0
92	" E. W. Lincoln	...	27 8 28	Ditto	1st grade ...	250 0 0
93	" J. Connor	...	28 6 24	Ditto	Ditto ...	250 0 0
94	" T. H. Dunne	L. S.	28 3 5	Ditto	Ditto ...	250 0 0
95	" W. J. Lane	...	28 10 5	Ditto	Ditto ...	250 0 0
96	" E. A. Wainright	...	27 9 13	Asst. Topographical Surveyor	Ditto	200 0 0
97	Captain W. F. Badgley, s. c.	P. H.	38 4 21	Asst. Supdt., Topogl. Survey	Ditto	974 1 6
98	Mr. J. A. Barker	...	29 11 18	Asst. Topographical Surveyor	2nd grade ...	200 0 0
99	Captain H. Lees Smith, s. c.	P. H.	37 0 18	Asst. Supdt., Revenue Survey	Ditto	.....
100	Mr. R. C. D. Ewing	L. S.	27 9 20	Asst. Revenue Surveyor	Ditto	200 0 0
101	Lieutenant T. H. Holdich, r. e.	L. S.	33 1 17	Asst. Supdt., Topogl. Survey	1st grade ...	820 0 0
102	Captain J. Waterhouse, s. c.	P. H.	33 8 8	Asst. Surveyor General	3rd grade ...	1,000 0 0
103	Mr. W. J. Cornelius	L. S.	27 0 1	Asst. Topographical Surveyor	2nd grade ...	200 0 0
104	" W. J. Smith	...	27 8 19	Asst. Revenue Surveyor	Ditto	200 0 0
105	" W. F. Pettigrew	...	31 7 18	Asst. Topographical Surveyor	Ditto	200 0 0
106	" G. W. Jarbo	...	28 6 15	Asst. Revenue Surveyor	Ditto	200 0 0
107	" G. H. Cooke	L. S.	31 4 1	Asst. Supdt., Revenue Survey	3rd grade ...	600 0 0
108	Captain H. S. Cowan, s. c.	P. H.	34 6 16	Ditto	2nd grade ...	.....
109	Mr. J. R. Scott	L. S.	27 0 27	Asst. Revenue Surveyor	Ditto	200 0 0
110	" P. J. W. Doran	L. S.	26 10 26	Asst. Topographical Surveyor	Ditto	200 0 0
111	" C. W. Wilson	L. S.	30 4 22	Asst. Revenue Surveyor	3rd grade ...	160 0 0
112	" J. McHatton	L. S.	25 8 14	Ditto	2nd grade ...	200 0 0
113	Captain H. S. Hutchinson, s. c.	P. H.	35 11 20	Asst. Supdt., Revenue Survey	Ditto	749 1 6
114	Mr. W. W. McNair	...	25 7 18	Asst. Topographical Surveyor	Ditto	200 0 0
115	" E. J. Martin	...	25 1 15	Asst. Revenue Surveyor	3rd grade ...	160 0 0
116	" H. T. Kitchen	...	27 9 23	Asst. Topographical Surveyor	2nd grade ...	200 0 0
117	" A. Cooper	...	35 5 4	Ditto	Ditto	200 0 0
118	" J. H. Wilson	L. S.	29 8 23	Ditto	Ditto	200 0 0
119	" W. H. Lilley	...	27 3 28	Ditto	3rd grade ...	160 0 0
120	" S. O. Madras	...	25 7 16	Asst. Revenue Surveyor	2nd grade ...	200 0 0
121	Captain R. Deavan, s. c.	P. H.	31 6 11	Asst. Supdt., Revenue Survey	3rd grade ...	624 1 6
122	Mr. T. F. Freeman	L. S.	25 0 27	Asst. Revenue Surveyor	2nd grade ...	200 0 0
123	" J. O'Toole	...	25 1 22	Ditto	3rd grade ...	160 0 0
124	" G. C. Swiney	...	26 9 4	Ditto	Ditto	160 0 0
125	" A. C. W. LeMarchand	L. S.	25 4 15	Ditto	Ditto	160 0 0
126	" J. Murphy	...	23 8 19	Proby. Asst. Revenue Surveyor	4th grade ...	120 0 0
127	" W. D. Corbett	...	25 10 0	Asst. Revenue Surveyor	3rd grade ...	160 0 0
128	" J. S. Swiney	...	25 3 12	Ditto	Ditto	160 0 0
129	Captain E. H. Steel, s. c.	H. S.	34 10 26	Asst. Supdt., Revenue Survey	Ditto	624 1 6
130	Mr. G. L. R. Scott	L. S.	24 10 15	Asst. Revenue Surveyor	Ditto	160 0 0
131	" W. J. Lincoln	L. S.	24 6 22	Ditto	Ditto	160 0 0
132	" B. Anderson	L. S.	24 10 15	Ditto	Ditto	160 0 0

8	9	10	11	12
Date of first appointment to Department.	Date of appointment to present grade.	Period of service counting for pension on 1st Apl. 1876.	Present Post.	REMARKS.
		Y. M. D.		
April 12, 1864	Jan. 1, 1874	7 4 25	7th or Hamirpur Dist. Reve. Surv., N. W. P.	Apprentice, from 12th April to 30th June 1864.
May 1, 1864	Oct. 1, 1872	7 4 1	No. 6 or Khasi and Garo Hills Topogl. Surv.	
June 15, 1864	Sept. 1, 1873	7 4 12	No. 4 or N. E. Divn., C. P. Topogl. Survey.	
Aug. 2, 1864	Oct. 1, 1872	9 4 17	No. 7 or Rajpootana and Simla Topogl. Surv.	
Sept. 26, 1864	Nov. 5, 1868	8 7 5	14th or Ganges Dearah Revenue Survey, Bengal.	Sick leave, from 4th July to 3rd August 1867. Ditto, from 19th August to 30th November 1867. Europe, medical certificate, from 30th July 1871 to 10th November 1872.
Oct. 1, 1864	April 1, 1874	6 8 6	No. 8 or Nundidroog Division, Mysore Survey.	
Oct. 4, 1864	Ditto	8 0 7	Ditto ditto	On special duty Dharwar Estate Survey, Bengal.
Oct. 6, 1864	Oct. 6, 1868	....	
Dec. 1, 1864	Oct. 1, 1871	10 7 15	14th or Ganges Dearah Revenue Survey, Bengal.	
Feb. 15, 1865	July 8, 1874	5 8 22	Ditto ditto	Overstayed privilege leave by six days in December 1871.
Ditto	Dec. 1, 1874	6 6 24	Supdt. of Revenue Surveys' Office, Calcutta.	
Ditto	Feb. 15, 1871	6 2 24	Ditto ditto	Absent without leave one day, and on sick leave for ten days in October 1865.
Mar. 1, 1865	April 24, 1871	6 5 26	9th or Azamgarh District Revenue Survey, N. W. P.	Sick leave, from 10th May to 8th July 1865. Ditto, 7th August to 23rd October 1866.
May 1, 1865	Oct. 1, 1871	5 9 13	No. 5 or Bhopal and Malwa Topogl. Survey.	
May 3, 1865	May 8, 1868	....	No. 6 or Khasi and Garo Hills Topographical Survey.	
Sept. 18, 1865	Oct. 1, 1871	7 11 18	No. 5 or Bhopal and Malwa Topogl. Surv.	On furlough.
Mar. 26, 1866	June 18, 1870	....	
June 9, 1866	Sept. 9, 1872	5 9 20	14th or Ganges Dearah Revenue Survey, Bengal.	
July 23, 1866	Dec. 15, 1868	....	In charge, No. 3 or C. P. and Vizagapatam Agency Topogl. Survey.	
Ditto	June 17, 1870	....	In charge, Lithographic and Photographic Branches, Head-Quarters.	Rs. 200 local allowance. Officiating Deputy Superintendent, 3rd grade, from the 26th March 1875, vice Captain Riddell, on furlough.
Aug. 15, 1866	Oct. 1, 1872	5 0 1	No. 1 or Gwalior and C. I. Topogl. Survey.	
Sept. 1, 1866	May 27, 1874	5 8 19	1st or Dera Ismail Khan District Revenue Survey, Punjab.	Office Asst., from 1st Sept. 1866 to 31st Mar. 1868.
Sept. 12, 1866	Oct. 1, 1872	9 6 19	No. 3 or C. P. and Vizagapatam Agency Topogl. Survey.	On furlough, from the 7th November 1874.
Nov. 1, 1866	Nov. 1, 1872	6 6 0	5th or Banda District Revenue Survey, N. W. Provinces.	Sick leave for 15 days, from 26th May to 8th June 1869.
Dec. 6, 1866	May 10, 1871	9 3 26	9th or Azamgarh District Revenue Survey, N. W. P.	Officiating in 2nd grade.
Jan. 19, 1867	Mar. 17, 1868	....		On furlough.
Ditto	May 1, 1870	5 0 27	5th or Banda District Revenue Survey, North-Western Provinces.	
Feb. 1, 1867	April 1, 1873	4 10 26	No. 1 or Gwalior and C. I. Topogl. Survey.	
*June 21, 1867	Oct. 1, 1870	7 11 22	14th or Ganges Dearah Reve. Surv., Bengal...	* Commencement of second service. Sick leave for 3 months, from 1st March 1869. Ditto for 2 months, from 1st August 1869.
July 1, 1867	July 1, 1870	3 8 14	9th or Azamgarh District Revenue Survey, N. W. P.	
Aug. 13, 1867	Aug. 13, 1868	....	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	
Sept. 1, 1867	Oct. 1, 1872	3 6 18	No. 8 or Nundidroog Division, Mysore Survey.	
Sept. 16, 1867	May 27, 1874	3 1 15	6th or Eastern Soane Irr. Surv., Dist. Gya, Behar.	Office Asst., from 16th Sept. 1867 to 31st July 1870.
Nov. 1, 1867	Nov. 1, 1873	5 9 23	No. 5 or Bhopal and Malwa Topogl. Survey.	
Dec. 1, 1867	April 1, 1874	13 2 10	No. 3 or C. P. and Vizagapatam Agency Topographical Survey.	Service reckoned under old rules. Includes previous service in Pegu Survey, from 2nd Jan. 1863 to 30th Nov. 1867.
April 1, 1868	Ditto	7 8 23	No. 4 or N. E. Divn., C. P. Topogl. Survey.	
May 1, 1868	May 1, 1871	5 3 28	No. 5 or Bhopal and Malwa Topogl. Survey.	
July 6, 1868	July 6, 1874	3 7 16	4th or Moradabad and Budaon Districts Reve. Surv., N. W. P.	
July 17, 1868	Nov. 9, 1869	....	1st or Dera Ismail Khan District Revenue Survey, Punjab.	Officiating in 2nd grade. Rs. 24-1-0 Personal Allowance.
Sept. 9, 1868	Sept. 9, 1874	3 0 27	Superintendent of Revenue Survey Office, Calcutta.	
Sept. 10, 1868	Mar. 10, 1872	2 1 22	8th or Western Soane Irrign. Survey, District Shahabad, Behar.	
Sept. 17, 1868	Sept. 17, 1871	4 9 4	12th or Midnapore Dist. Reve. Surv., Bengal.	
Nov. 2, 1868	Nov. 2, 1871	3 4 15	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	
Nov. 22, 1868	Nov. 1, 1871	1 8 19	5th or Banda District Revenue Survey, N. W. P.	Office Asst., from 22nd Nov. 1868 to 31st Oct. 1871.
Dec. 1, 1868	May 30, 1874	3 10 0	7th or Hamirpur Dist. Reve. Surv., N. W. P.	Office Asst., from 1st Dec. 1868 to 31st July 1870.
Jan. 5, 1869	Jan. 5, 1872	3 3 12	6th or Agra Dist. Reve. Surv., N. W. P.	
†Jan. 26, 1869	May 20, 1869	....	5th or Banda District Revenue Survey, N. W. P.	† Commencement of second service. Officiating in 2nd grade. Rs. 24-1-0 Personal Allowance.
Mar. 1, 1869	Mar. 1, 1872	2 10 15	6th or Agra Dist. Reve. Surv., N. W. P.	
April 1, 1869	April 1, 1872	2 6 22	4th or Moradabad and Budaon Dist. Reve. Surv., N. W. P.	
April 20, 1869	June 20, 1872	2 10 15	2nd or Gurgaon Dist. Reve. Surv., Punjab.	

General List of the Officers of the Topographical and Revenue Survey Departments on the 1st April 1876—concluded.

1	2	3	4	5		6	7	8	9	10	11	12
133	Mr. T. Shaw ...	L. S.	Y. M. D. 23 4 15	Asst. Revenue Surveyor	3rd grade	Rs. A. P. 160 0 0		April 21, 1869	May 1, 1873	Y. M. D. 1 4 15	Western Soane Irri. Surv., Dist. Shahabad, Behar.	
134	" H. E. Gastrell ...	L. S.	27 1 8	Asst. Supdt., Revenue Survey	2nd grade	450 0 0		April 26, 1869	April 26, 1870	4 7 15		On furlough.
135	" W. Robert ...	L. S.	25 1 3	Asst. Topographical Surveyor	Ditto	160 0 0		Aug. 21, 1869	Oct. 1, 1872	3 1 3	No. 6 or Khasi & Garo Hills Topogl. Surv.	
136	" W. H. Penrose ...	L. S.	24 5 24	Asst. Revenue Surveyor	Ditto	160 0 0		Aug. 11, 1869	June 4, 1873	2 5 24	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	
137	Captain J. R. Wilmer, s. c. ...	H. S.	35 2 12	Asst. Supdt., Topogl. Survey	1st grade	750 0 0		Aug. 24, 1869	Aug. 28, 1872		In charge No. 5 or Malwa and Bhopal Topogl. Survey.	
138	Mr. F. E. Warde ...		24 6 24	Asst. Topographical Surveyor	3rd grade	160 0 0		Sept. 1, 1870	Sept. 1, 1873	2 6 24	No. 7 or Rajpootana and Simla Topogl. Surv.	
139	" C. T. Templeton ...		23 6 27	Ditto ditto	Ditto	160 0 0		Ditto	Ditto	1 6 27	No. 1 or Gwalior and C. I. Topogl. Survey.	
140	" A. D. Smart ...		45 5 17	Revenue Surveyor	Ditto	350 0 0		*Oct. 1, 1870	Oct. 1, 1870	5 6 0	Supdt. of Revenue Surveys' Office, Calcutta...	* Commencement of second service.
141	" G. E. Parker ...		26 1 18	Asst. Revenue Surveyor	Ditto	160 0 0		Nov. 18, 1870	July 8, 1874	4 1 18	12th or Midnapore Dist. Reve. Surv., Bengal.	
142	" J. McCay ...		22 5 23	Asst. Topographical Surveyor	Ditto	160 0 0		Dec. 1, 1870	Dec. 1, 1873	0 5 3	No. 3 or Central Provinces and Vizagapatam Agency Topogl. Survey.	
143	Lieut. G. W. Martin, s. c. ...	H. S.	28 10 2	Asst. Supdt., Revenue Survey	Ditto			Mar. 24, 1871	Jan. 17, 1873			On furlough.
144	Mr. P. S. Ross ...		21 3 0	Proby. Asst. Revenue Surveyor	4th grade	120 0 0		April 23, 1871	Nov. 1, 1872	Nil	5th or Banda Dist. Reve. Survey, N. W. P. ...	Apprentice, from 23rd April 1871 to 31st October 1872.
145	Lieut. R. G. Woodthorpe, R. E. ...	L. S.	31 6 8	Asst. Supdt., Topogl. Survey	3rd grade	670 0 0		July 14, 1871	Nov. 1, 1874	Nil	No. 6 or Khasi and Garo Hills Topogl. Surv.	
146	Mr. P. E. Heberlet ...		21 8 1	Proby. Asst. Revenue Surveyor	4th grade	120 0 0		Aug. 9, 1871	Sept. 12, 1872	Nil	Khoordah Estate Survey, Orissa	Apprentice, from 3rd Aug. 1871 to 11th Sept. 1872.
147	Lieut. E. P. Leach, R. E. ...	L. S.	28 11 29	Asst. Supdt., Topogl. Survey	3rd grade	670 0 0		Oct. 6, 1871	April 1, 1874		No. 7 or Rajpootana and Simla Topogl. Survey.	
148	Mr. C. W. J. Ford ...		23 0 6	Proby. Asst. Revenue Surveyor	4th grade	120 0 0		Nov. 1, 1871		1 0 6	4th or Moradabad and Budaon Dists. Reve. Surv., N. W. P.	
149	" W. C. G. Barkley ...		24 5 10	Asst. Topographical Surveyor	3rd grade	160 0 0		Dec. 1, 1871	Feb. 1, 1874	2 5 10	On duty at Head-Quarters.	
150	" A. W. Smart ...		25 1 1	Proby. Asst. Revenue Surveyor	4th grade	120 0 0		Ditto	Jan. 1, 1872	3 1 1	Eastern Soane Irri. Surv., Dist. Gya, Behar ...	Apprentice, from 1st to 31st December 1871.
151	Lieut. A. J. C. Scott, s. c. ...	H. S.	27 7 8	Asst. Supdt., Revenue Survey	3rd grade			Jan. 17, 1872	Jan. 17, 1873			Europe, p. a., for 2 years, from 14th July 1874.
152	Mr. B. M. Wilson ...		27 11 17	Proby. Asst. Revenue Surveyor	4th grade	120 0 0		Feb. 1, 1872	Nov. 15, 1872	4 2 0	12th or Midnapore Dist. Reve. Surv., Bengal.	Apprentice, from 1st February to 14th November 1872.
153	" H. G. Young ...	H. S.	24 11 19	Ditto ditto	Ditto	120 0 0		Feb. 16, 1872	Sept. 1, 1872	2 11 19	5th or Banda District Revenue Survey, North-Western Provinces.	
154	" R. R. Dickinson ...	L. S.	24 8 6	Ditto ditto	Ditto	120 0 0		April 1, 1872	April 16, 1873	2 8 6	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	Apprentice, from 1st April 1872 to 15th April 1873.
155	" G. Vander Beek ...		26 6 15	Asst. Topographical Surveyor	Ditto	120 0 0		July 1, 1872		3 9 0	No. 3 or Central Provinces and Vizagapatam Agency Topographical Survey.	
156	" G. H. O'Donel ...		28 7 18	Proby. Asst. Revenue Surveyor	Ditto	120 0 0		July 23, 1872		3 5 9	8th or Western Soane Irri. Surv., Dist. Gya, Behar.	Commencement of second service. Sick leave, from 1st April to 30th December 1874.
157	" W. M. Kelly ...		21 7 25	Asst. Topographical Surveyor	Ditto	120 0 0		Oct. 1, 1872		Nil	No. 7 or Rajpootana and Simla Topogl. Survey.	
158	" J. Murray ...		23 7 16	Ditto ditto	Ditto	120 0 0		Ditto		1 7 16	No. 5 or Bhopal and Malwa Topogl. Survey.	
159	" A. Kitchen ...		23 2 5	Ditto ditto	Ditto	120 0 0		Ditto		2 2 5	Ditto ditto.	
160	" P. White ...		25 5 8	Ditto ditto	Ditto	120 0 0		Ditto		3 5 8	No. 7 or Rajpootana and Simla Topogl. Surv.	
161	" E. F. S. Hill ...		21 9 17	Proby. Asst. Revenue Surveyor	Ditto	120 0 0		Nov. 16, 1872		Nil	4th or Moradabad and Budaon Dists. Reve. Surv., N. W. P.	
162	" E. H. S. Gaspar ...		22 4 16	Ditto ditto	Ditto	120 0 0		Ditto		0 4 16	12th or Midnapore Dist. Reve. Surv., Bengal.	
163	" H. C. Bradley ...		24 4 10	Ditto ditto	Ditto	120 0 0		April 17, 1873		2 4 10	1st or Dera Ismail Khan Dist. Revenue Survey, Punjab.	
164	" T. Anderson ...		22 9 6	Ditto ditto	Ditto	120 0 0		May 5, 1873		0 9 6	9th or Azamgarh Dist. Reve. Surv., N. W. P.	
165	" E. B. M. Drew ...		21 11 10	Ditto ditto	Ditto	120 0 0		June 1, 1873	Dec. 1, 1874	Nil	5th or Banda Dist. Revenue Survey, North-Western Provinces.	
166	" C. T. J. Dense ...		20 9 4	Ditto ditto	Ditto	120 0 0		Aug. 11, 1873		1 2 22	2nd or Gurgaon Dist. Reve. Surv., Punjab ...	Office Asst., from 1st June 1873 to 30th November 1874.
167	" T. Downes ...		23 2 22	Ditto Topogl. Surveyor	Ditto	120 0 0		Ditto		0 5 0	No. 5 or Bhopal and Malwa Topogl. Survey	Previous service as Sub-Surv., from 1st Nov. 1872.
168	" E. Graham ...	L. S.	22 5 0	Ditto ditto	Ditto	120 0 0		Ditto			No. 2 or Khandesh and Bombay Native States Topographical Survey.	Ditto ditto.
169	" G. L. Fleming ...		22 0 0	Ditto ditto	Ditto	120 0 0		Ditto		0 9 6	No. 4 or N. E. Divn., C. P., Topogl. Survey.	Previous service as apprentice, from 1st October 1872.
170	" G. R. Copping ...		22 9 6	Ditto ditto	Ditto	120 0 0		Ditto			No. 5 or Bhopal and Malwa Topogl. Survey	
171	" G. A. Knight ...		21 5 9	Ditto ditto	Ditto	120 0 0		Ditto			No. 1 or Gwalior and Central India Topogl. Survey.	
172	" P. A. Peters ...	L. S.	21 3 23	Ditto Revenue Surveyor	Ditto	120 0 0		Nov. 1, 1873			1st or Dera Ismail Khan District Revenue Survey, Punjab.	
173	" H. R. Adels ...		26 0 25	Ditto ditto	Ditto	120 0 0		Feb. 19, 1874		2 1 10	14th or Ganges Dearnh Reve. Surv., Bengal.	
174	" C. S. Kraal ...		22 6 6	Ditto ditto	Ditto	120 0 0		July 24, 1874		0 6 6	2nd or Gurgaon District Reve. Surv., Punjab.	
175	Lieut. J. R. Hobday, s. c. ...		25 8 16	Asst. Supdt., Topogl. Survey	3rd grade	500 0 0		Sept. 11, 1874			No. 1 or Gwalior and C. I. Topogl. Survey.	
176	Mr. Duncan Campbell ...			Asst. Topogl. Surveyor	4th grade	120 0 0		Nov. 1, 1874			No. 3 or Central Provinces and Vizagapatam Agency Topogl. Survey.	Joined as a Sub-Surveyor on 3rd July 1872.
177	" Thos. Campbell ...		19 2 16	Proby. Asst. Revenue Surveyor	Ditto	120 0 0		May 1, 1875			6th or Agra District Revenue Survey.	
178	" L. F. Berkeley ...		21 7 3	Ditto ditto	Ditto	120 0 0		Aug. 16, 1875			4th or Moradabad & Budaon Dists. Reve. Surv.	

Disposition List of Officers of the Surveyor General's Office, Head-Quarters, Calcutta, and of the Topographical Survey Department, on the 1st April 1876.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party. Rs.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Native Doctors.	Burkundazes.	Apothecary.	
		No.	No.	No.	No.	No.	No.	
	Calcutta—Head-Quarters	...	...	...	...	...	...	.....
1	Native States, Central India, and Rajpootana Agencies, viz., Gwalior, Holkar, Tonk, Kotah, Jhalawar, Pertabgarh, Udepur, Bhynsrorgarh and Joura.	5	1	112	1	10	...	60,885
2	Khandesh and Bombay Native States, Holkar's territory south of the Nerbudda.	10	1	63	1	13	...	55,869
3	Jeypur, Madgul, and Golconda, in the Vizagapatam Agency, and Rampa Zemindary of District Rajamundry in the Madras Presidency.	1	...	37	...	7	1	58,042
4	Districts of Bilaspur, Mandla, and Balaghât, in the Central Provinces.	5	1	53	1	2	...	58,987

Officer in charge, Surveyors and Assistant Surveyors.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Col. H. L. Thuillier, F. R. S., C. S. I. Capt. W. G. Murray, s. c.	... 34	Surv. Genl. of India and Supdt. of Topogr. Surveys Assistant Surveyor General	Mar. 13, 1861.	On furlough to Europe for 2 years, from the 14th February 1873, and obtained an extension of 9 months. <i>Vide</i> Notification No. 229, dated 2nd March 1876. Received extension of 8 months' leave after expiration of the last extension of leave. <i>Vide</i> Revenue, Agriculture and Commerce Dept. No. 573, dated 30th August 1875.
J. O. N. James, Esq. Capt. J. Waterhouse, s. c.	3 102	Ditto ditto Ditto ditto	April 1, 1866 July 23, 1866	In charge Cartographic and Engraving Branches. In charge Photographic and Lithographic Branches. <i>Officiating</i> Deputy Superintendent, 3rd grade, from the 26th March 1875, vice Captain Biddell, on leave.
Captain Charles Strahan, R. E. (in charge) Lieutenant J. R. Hobday, s. c. Mr. H. J. Bolst " R. D. Farrell " W. J. Cornelius " P. J. W. Doran " C. T. Templeton " G. A. Knight	74 175 15 48 103 110 139 171	Deputy Superintendent, 3rd grade Asst. Superintendent, 3rd grade. Surveyor, 1st grade Ditto, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Proby. ditto, 3rd grade.	Oct. 13, 1867.	On furlough to Europe from 3rd November 1873 to 30th April 1875.
F. B. Girdlestone, Esq. (in charge) H. Horsl, Esq., Offg. in charge Mr. D. Atkinson " R. W. Chew " A. J. Wilson " A. G. Wyatt " E. Graham	70 20 28 31 45 55 168	Depty. Supdt., 3rd grade Asst. Supdt., 1st grade Surveyor, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade. Proby. ditto, 4th grade.	Dec. 4, 1871	On furlough for 2 years, from 10th Oct. 1874.
Lieut. T. H. Holdich, R. E. (in charge) Mr. J. A. May " F. Adams " T. E. M. Claudius " W. F. Pettigrew " A. Cooper " J. McCay " G. Vander Beek " Duncan Campbell	101 46 47 72 105 117 142 155 176	Asst. Supdt., 1st grade (Offg. 3rd grade Depty. Supdt.) Surveyor, 3rd grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade.	Dec. 15, 1873.	On leave, from 7th November 1874.
Lieut. Colonel G. C. Depree, s. c. (in charge) Mr. G. A. McGill " J. A. Vanderputt " A. James " J. H. Wilson " G. L. Fleming	21 22 29 85 116 169	Depty. Supdt., 1st grade Surveyor, 2nd grade Ditto, 2nd grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Asst. Surveyor, 4th grade.	March 1856.	Reverted to substantive grade, 1st May 1875.

Disposition List of Officers of the Topographical Survey Department of India on the 1st April 1876 —concluded.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Native Doctors.	Burkundazes.	Apothecary.	
		No.	No.	No.	No.	No.	No.	Rs.
5	Bhopal, Gwalior, Rajgurh, Nursingurh, Tonk, &c., Native States in the Central India Agency.	5	...	138	1	6	...	56,093
6	Naga and Duffa Hills on the Eastern Frontier, Assam	1	1	39	1	9	...	71,679
7	Meywar, Marwar, Godwar, Shahpura, Mhairwara, and Ajmere in the Rajpootana Agency, and at Simla.	4	2	126	1	...	...	68,285
8	Mysore,—Nundidroog Division	...	...	...	...	...	...	.....
9	Mysore,—Nagar Division	...	...	...	...	...	...	.....

Officer in charge, Surveyors and Assistant Surveyors.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Captain R. V. Riddell, R. E. ... " J. R. Wilmer, s. c. (in charge) ... Lieut. St. G. C. Gore ... Mr. C. F. Hamer ... " E. A. Wainright ... " J. A. Barker ... " H. T. Kitchen ... " W. H. Lilley ... " J. Murray ... " A. Kitchen ... " T. Downes ... " G. R. Copping ...	59 137 ... 71 96 98 116 119 158 159 167 170	..... Assistant Superintendent, 1st grade Ditto, 3rd grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade. Proby. Ditto, 4th grade. Ditto, 4th grade.	... .. Sept. 1874.	On furlough, from 28th March 1876. Transferred from G. T. Survey.
Major H. H. Godwin-Austen, s. c. Captain W. F. Badgley, s. c. (Offg. in charge) ... Lieut. R. G. Woodthorpe, R. E. ... Mr. M. J. Ogle ... " A. Chennell ... " W. Robert ...	35 97 145 69 84 135	Depy. Supdt., 2nd grade ... Offg. Depy. Supdt., 3rd grade. Offg. Asst. Supdt., 3rd grade. Surveyor, 4th grade. Asst. Surveyor, 1st grade. Ditto, 3rd grade.	Oct. 15, 1863	Europe, p. a. Six months' extension, medical certificate.
Lieutenant E. P. Leach, R. E. ... Mr. E. S. P. Atkinson ... " R. Todd ... " C. Tapsell ... " F. E. Warde ... " P. White ... " W. M. Kelly ...	147 54 77 86 138 152 157	Asst. Supdt., 2nd grade. ... Surveyor, 4th grade. Asst. Surveyor, 1st grade. Ditto, 1st grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade.	Oct. 1875	
Capt. Geo. Strahan, R. E. ... Mr. F. Kitchen ... " W. Stotesbury ... " W. W. McNair...	58 80 88 114	Depy. Supdt., 2nd grade Asst. Surveyor, 1st grade. Ditto, 1st grade. Ditto, 2nd grade.	Oct. 1875	Party formed 1st October 1875.
Captain J. R. McCullagh, R. E. ... Mr. L. J. Pocock ... " J. W. Macdougall ... " E. J. Connor ...	55* 30 38 39	Asst. Supdt., 2nd grade ... Surveyor, 4th grade ... Asst. Surveyor, 1st grade ... Ditto, ditto ...	Oct. 1875	Party formed 1st October 1875. Members of the G. T. Survey. * G. T. Survey.

Disposition List of Officers of the Revenue Survey Department on the 1st April 1876.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE DEPARTMENT IN ALL GRADES.							Annual cost of Party. Rs.	Officers in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Surveyors.	Asst. Surveyors.	Sub Surveyors, &c.	Levelers.	Chainmen or Measurers.	Native Doctors.	Burkundazes.						
		No.	No.	No.	No.	No.	No.	No.						
	Calcutta Head-Quarters	2	3	...	...	...	...	...	
1st or Dera Ismail Khan District Survey, Punjab.	Dera Ismail Khan District	3	4	31	1	200	1	15	Profnl. 83,359 Leveling 4,988	Col. D. C. Vanrenen, R. A. ... Lieut. Col. J. Macdonald, s. c. ... W. Lane, Esq. ...	5 16 1	Supdt. of Revenue Surveys, Lower Grade Deputy Supdt. of Reve. Surv., 1st grade, offg. as Supdt. of Reve. Surv., L. C. ... Depy. Supdt. of Reve. Survey, 2nd grade.	Mar. 11, 1867 April 26, 1874.	No. 207. Antea. 11th December 1870. Genl. 11th April 1874.
2nd or Gurgaon Dist. Surv., Punjab	Gurgaon District	3	4	30	...	200	1	15	59,295	Col. H. C. Johnstone, c. B., s. c. ... Captain R. Beavan, s. c. ... " W. H. Wilkins, s. c. ...	18 121 66	Depy. Supdt. of Reve. Survey, 1st grade Offg. Asst. Supdt. of Reve. Survey, 2nd grade Asst. Supdt. of Reve. Survey, 1st grade, offg. as Depy. Supdt., 3rd grade ...	Oct. 15, 1873. Oct. 1, 1874. Oct. 21, 1871.	
4th or Moradabad and Budaon Districts Survey, N. W. Provinces.	Moradabad and Budaon Districts	2	6	31	...	168	1	15	Profnl. 64,005 Leveling 3,092	Lieut. Col. A. D. Vanrenen, s. c. ... Captain W. Barron, s. c. ... " H. L. Smith, s. c. ...	26 57 99	Depy. Supdt. of Reve. Survey, 3rd grade Offg. Asst. Supdt. of Reve. Survey, 1st grade	Nov. 12, 1873	On furlough. On furlough.
5th or Banda District Survey, N. W. Provinces.	Banda District	1	6	26	...	173	...	17	Profnl. 67,339 Leveling 3,083	Lieut. Col. F. C. Anderson, s. c. ... Captain E. H. Steel, s. c. ...	17 129	Depy. Supdt. of Reve. Survey, 1st grade Offg. Asst. Supdt. of Reve. Survey, 2nd grade	Nov. 1, 1871. Oct. 1, 1874	
6th or Agra and Gya Districts Survey, N. W. Provinces.	District Agra, N. W. P., District Gya, Behar.	1	6	29	...	178	1	17	Profnl. 65,906 Leveling 1,160	E. T. S. Johnson, Esq. ... H. B. Talbot, Esq. ...	11 12	Depy. Supdt. of Reve. Surv., 3rd grade Offg. Asst. Supdt. of Revenue Survey, 1st grade	Oct. 1, 1872. Jan. 1, 1873.	
7th or Hamirpur District Survey, N. W. Provinces.	Hamirpur District, N. W. P., Khoorda Estate, Orissa.	4	4	27	...	236	2	11	Profnl. 78,705 Leveling 1,835	R. B. Smart, Esq. ... E. C. Barrett, Esq. ...	4 63	Depy. Supdt. of Reve. Surv., 2nd grade Asst. Supdt. of Reve. Survey, 2nd grade	Sept. 19, 1872. Oct. 1, 1872.	
8th or Western Soane Irrigation Survey District, Shahabad and Behar.	Shahabad District	3	3	31	...	200	1	12	63,810	Lieut. Col. R. E. Oakes, s. c. ... Captain J. E. Sandeman, s. c. ... H. E. Gastrell, Esq. ...	36 90 134	Depy. Supdt. of Reve. Surv., 2nd grade, offg. in 1st grade ... Offg. Asst. Supdt. of Revenue Survey, 2nd grade ... Asst. Supdt. of Reve. Survey, 1st grade	Nov. 1, 1872 Oct. 1, 1874	Furlough. Special duty, Dharwar Estate Survey. On furlough. Supernumerary.
9th or Azamgarh District Revenue Survey, N. W. P.	Azamgarh District	1	3	14	...	50	1	7	38,910	Captain D. C. Andrew ... G. H. Cooke, Esq. ...	65 107	Offg. Depy. Supdt. of Revenue Survey, 3rd grade ... Offg. Asst. Supdt. of Revenue Survey, 2nd grade ...	Nov. 1, 1875. Dec. 1, 1873	Supernumerary.
10th or 1st Deccan Topographical Survey, Bombay.	Nasik Collectorate	1	3	18	...	165	1	13	60,708	Major D. Macdonald ... Captain F. Coddington, s. c. ... " E. W. Samuella, s. c. ... Lieut. G. W. Martin, s. c. ...	51 56 79 143	Depy. Supdt. of Reve. Survey, 3rd grade ... Asst. Supdt. of Reve. Survey, 1st grade ... Asst. Supdt. of Reve. Survey, 3rd grade	Dec. 23, 1875	Officiating in 2nd grade. On furlough. On special duty, Nepal Frontier Boundary Survey. On furlough.
11th or 2nd Deccan Topographical Survey, Bombay.	Ahmadnagar Collectorate	2	2	17	...	165	1	12	60,604	Major H. C. B. Tanner, s. c. ... Captain H. S. Hutchinson, s. c. ...	60 113	Depy. Supdt. of Reve. Survey, 3rd grade Asst. Supdt. of Reve. Survey, 2nd grade	Aug. 29, 1872. Oct. 1, 1872.	
12th or Midnapore District Survey, Bengal.	Midnapore District	2	4	35	...	200	1	15	64,862	Major J. Scoffee, s. c. ...	41	Depy. Supdt. of Reve. Survey, 2nd grade	Dec. 6, 1873.	
14th or Ganges Dearah Survey, Bengal.	Ganges Dearahs in District Furrerdpoore.	1	5	30	...	200	1	15	52,957	J. Campbell, Esq. ... E. J. Jackson, Esq. ... Captain S. H. Cowan, s. c. ... Lieut. A. J. C. Scott, s. c. ...	2 87 108 151	Asst. Supdt. of Reve. Survey, 1st grade Ditto ditto, 2nd grade	Nov. 1, 1874 Dec. 1, 1872.	Officiating Deputy Superintendent of Revenue Surveys, 3rd grade. On furlough. Ditto.

Classified List of Officers of the Great Trigonometrical Survey Department as it stood on the 1st April 1876.

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	SALARIES, INCLUDING ALLOWANCES.			REMARKS.
				Net Military Pay of Royal Engineer Officers.	Consolidated Salary.	TOTAL.	
				Rs. A. P.	Rs. A. P.	Rs. A. P.	
	SUPERINTENDENT.						
	<i>Consolidated salary Rs. 2,500.</i>						
1	Colonel J. T. Walker, Royal Engineers	Superintendent	...	.....	.....	2,565 5 0	Draws Rs. 65-5 as a personal allowance.
	SENIOR BRANCH.						
	DEPUTY SUPERINTENDENTS.						
	<i>1st Grade—Consolidated salary Rs. 1,600.</i>						
1	Lieut.-Col. T. G. Montgomerie, Royal Engineers	Deputy Superintendent, 1st grade...	...	.....	.....	.....	On furlough.
2	Mr. J. B. N. Hennessey, M. A., F. R. S.	Ditto	...	.....	.....	.....	Ditto.
	<i>2nd Grade—Consolidated salary Rs. 1,800.</i>						
1	Captain H. R. Thuillier, Royal Engineers	Deputy Superintendent, 2nd grade	Kanmaun and Garhwal Survey	.....	.....	1,533 10 0	Officiating Deputy Superintendent, 1st grade.
2	Major C. T. Haig, Royal Engineers	Ditto	Guzerat Survey	.....	.....	1,740 14 0	Ditto ditto.
3	Captain J. Herschel, Royal Engineers	Ditto	Computing Office	.....	.....	1,383 10 0	
4	Major B. R. Branfill, Bengal Cavalry	Ditto	Madras Party	.....	.....	1,300 0 0	
	<i>3rd Grade—Consolidated salary Rs. 1,000.</i>						
1	Captain T. T. Carter, Royal Engineers	Deputy Superintendent, 3rd grade	...	.....	.....	.....	On furlough.
2	W. M. Campbell, Royal Engineers	Ditto	No. 2 Extra Party	.....	.....	1,383 10 0	Officiating Deputy Superintendent, 2nd grade.
3	Henry Trotter, Royal Engineers	Ditto	...	.....	.....	.....	Ditto ditto. On furlough.
4	Mr. W. C. Rossenrode	Ditto	Eastern Frontier Series	.....	.....	1,000 0 0	
5	Captain W. J. Heaviside, Royal Engineers	Ditto	No. 1 Extra Party	140 0 0	1 000 0 0	1,140 0 0	
	ASSISTANT SUPERINTENDENTS.						
	<i>1st Grade—Consolidated salary Rs. 750.</i>						
1	Captain A. Pullan (Staff Corps)	Asst. Superintendent, 1st grade	Kattywar Survey	.....	.....	1,000 0 0	Officiating Deputy Superintendent, 3rd grade.
2	M. W. Rogers, Royal Engineers	Ditto	Jodhpore Series	140 0 0	1 000 0 0	1,140 0 0	Ditto ditto.
3	J. Hill, Royal Engineers	Ditto	...	.....	.....	.....	On furlough.
4	Mr. W. H. Cole, M. A.	Ditto	...	.....	.....	.....	Officiating Deputy Superintendent, 3rd grade. On furlough.
	<i>2nd Grade—Consolidated salary Rs. 800.</i>						
1	Captain A. Baird, Royal Engineers	Asst. Superintendent, 2nd grade	Bombay Tidal and Leveling Party	140 0 0	750 0 0	890 0 0	Officiating Assistant Superintendent, 1st grade.
2	J. R. McCullagh, Royal Engineers	Ditto	...	140 0 0	750 0 0	890 0 0	Ditto ditto. Transferred to Mysore Topographical Survey.
3	Mr. J. McGill	Ditto	Kattywar Survey	.....	.....	750 0 0	Officiating Assistant Superintendent, 1st grade.
4	W. G. Beverley	Ditto	Burma Party	.....	.....	750 0 0	Ditto ditto.
	<i>3rd Grade—Consolidated salary Rs. 500; for Civil Officers, Rs. 400.</i>						
1	Lieutenant H. J. Harman, Royal Engineers	Asst. Superintendent, 3rd grade	Assam Survey	70 0 0	600 0 0	670 0 0	Officiating Assistant Superintendent, 2nd grade.
2	Mr. E. C. Ryall	Ditto	Kanmaun and Garhwal Survey	.....	.....	600 0 0	Ditto ditto.
3	Lieutenant St. G. C. Gore, R. E.	Ditto	...	70 0 0	600 0 0	670 0 0	Ditto ditto. Transferred to the Topographical branch under the Surveyor Genl
4	J. E. Gibbs, R. E.	Ditto	Guzerat Survey	70 0 0	600 0 0	670 0 0	Ditto ditto.
	JUNIOR BRANCH.						
	SURVEYORS.						
	<i>1st Grade—Salary Rs. 500.</i>						
1	Mr. Harry Duhan	Surveyor, 1st grade	Corresponding Office	.....	.....	500 0 0	Personal Assistant to Superintendent.
2	H. Beverley	Ditto	Eastern Frontier Series	.....	.....	500 0 0	
3	J. Peyton	Ditto	Kattywar Survey	.....	.....	500 0 0	
4	A. D'Souza	Ditto	Guzerat Survey	.....	.....	500 0 0	
	<i>2nd Grade—Salary Rs. 400.</i>						
1	Mr. C. J. Neuville	Surveyor, 2nd grade	Kanmaun and Garhwal Survey	.....	.....	400 0 0	
2	L. H. Clarke	Ditto	Head-Quarters	.....	.....	400 0 0	
3	W. Todd	Ditto	...	.....	.....	400 0 0	Kanmaun and Garhwal Survey.
4	J. Low	Ditto	Burma Party	.....	.....	400 0 0	
	<i>3rd Grade—Salary Rs. 350.</i>						
1	Mr. C. Wood	Surveyor, 3rd grade	Computing Office	.....	.....	350 0 0	
2	H. E. T. Keelan	Ditto	No. 1 Extra Party	.....	.....	350 0 0	
3	F. Bell	Ditto	Kattywar Survey	.....	.....	350 0 0	
4	G. Atkinson	Ditto	Drawing Office	.....	.....	350 0 0	

Classified List of Officers of the Great Trigonometrical Survey as it stood on the 1st April 1876—concluded.

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	SALARIES, INCLUDING ALLOWANCES.			REMARKS.
				Net Military Pay of Royal Engineer Officers.	Consolidated Salary.	TOTAL.	
				Rs. A. P.	Rs. A. P.	Rs. A. P.	
SURVEYORS—contd.							
<i>4th Grade—Salary Rs. 300.</i>							
1	Mr. H. Pechers	Surveyor, 4th grade	Computing Office	.....	.....	300 0 0	
2	" G. Belcham	" Ditto	Madras Party	.....	.....	300 0 0	
3	" J. W. Mitchell	" Ditto	Eastern Frontier Series	.....	.....	300 0 0	
4	" L. J. Pocock	" Ditto	"	.....	.....	300 0 0	
5	" A. Christie	" Ditto	"	.....	.....	300 0 0	Transferred to Mysore Topographical Survey.
6	" W. O'Sullivan	" Ditto	Guzerat Survey	.....	.....	300 0 0	
7	" N. C. Gwynne	" Ditto	Assam Survey	.....	.....	300 0 0	
8	" W. C. Price	" Ditto	Kattywar Survey	.....	.....	300 0 0	
9	" C. H. McA Fee	" Ditto	Jodhpore Series	.....	.....	300 0 0	
			Guzerat Survey	.....	.....	300 0 0	
ASSISTANT SURVEYORS.							
<i>1st Grade—Salary Rs. 250.</i>							
1	Mr. T. H. Rendell	Asst. Surveyor, 1st grade	Tidal and Leveling Party	.....	.....	250 0 0	
2	" J. W. Macdougall	" Ditto	"	.....	.....	250 0 0	Transferred to Mysore Topographical Survey.
3	" Hugh Todd	" Ditto	Kamaun and Garhwál Survey	.....	.....	250 0 0	
4	" E. J. Connor	" Ditto	"	.....	.....	250 0 0	
5	" J. Bond	" Ditto	No. 2 Astronomical Party	.....	.....	250 0 0	Transferred to Mysore Topographical Survey.
6	" C. D. Potter	" Ditto	Madras Party	.....	.....	250 0 0	
7	" T. Kinney	" Ditto	Kamaun and Garhwál Survey	.....	.....	250 0 0	
<i>2nd Grade—Salary Rs. 200.</i>							
1	Mr. E. P. Wrixon	Asst. Surveyor, 2nd grade	Assam Party	.....	.....	200 0 0	
2	" J. Hickie	" Ditto	Guzerat Survey	.....	.....	200 0 0	
3	" W. Fielding	" Ditto	Kattywar Survey	.....	.....	200 0 0	
4	" G. D. Cusson	" Ditto	Guzerat Survey	.....	.....	200 0 0	
5	" E. W. Lasseron	" Ditto	Madras Party	.....	.....	200 0 0	
6	" E. F. Litchfield	" Ditto	Kamaun and Garhwál Survey	.....	.....	200 0 0	
<i>3rd Grade—Salary Rs. 160.</i>							
1	Mr. C. P. Torrens	Asst. Surveyor, 3rd grade	Jodhpore Series	.....	.....	160 0 0	
2	" A. Bryson	" Ditto	Madras Party	.....	.....	160 0 0	
3	" W. Oldham	" Ditto	Kattywar Survey	.....	.....	160 0 0	
4	" J. C. Clancey	" Ditto	Eastern Frontier Series	.....	.....	160 0 0	
5	" J. O. Hughes	" Ditto	"	.....	.....	160 0 0	
6	" I. Pocock	" Ditto	Kamaun and Garhwál Survey	.....	.....	160 0 0	
7	" G. T. Hall	" Ditto	Kattywar Survey	.....	.....	160 0 0	
<i>4th Grade—Salary Rs. 120.</i>							
1	Mr. J. F. McCarthy	Asst. Surveyor, 4th grade	Assam Party	.....	.....	120 0 0	
2	" D. J. Collins	" Ditto	Burma Party	.....	.....	120 0 0	
3	" H. Corkery	" Ditto	Kattywar Survey	.....	.....	120 0 0	
4	" P. F. Prunty	" Ditto	Jodhpore Series	.....	.....	120 0 0	
5	" J. Keating	" Ditto	Computing Office	.....	.....	120 0 0	
6	" S. F. Norman	" Ditto	Guzerat Survey	.....	.....	120 0 0	
7	" C. Norman	" Ditto	"	.....	.....	120 0 0	
8	" R. F. Warwick	" Ditto	Kamaun and Garhwál Survey	.....	.....	120 0 0	
9	" J. M. Kennedy	" Ditto	Computing Office	.....	.....	120 0 0	

General List of Officers of the Great Trigonometrical Survey Department on the 1st April 1876.

1	2	3	4	5	6	7	8	9	10	11	12
			Y. M. D.			Rs. A. P.			Y. M. D.		
1	Mr. W. C. Rossenrode (Senior Branch) ...	Not passed ...	52 4 9	Deputy Superintendent	3rd grade ...	1,000 0 0	Dec. 13, 1838	Apl. 1, 1874	36 4 9	In charge, Eastern Frontier Series	Services reckoned under old rules.
2	„ J. B. N. Hennessey, M. A., F. R. S., (Senior Branch).	Ditto ...	46 8 0	Ditto	1st grade ...	...	Apl. 14, 1844	Ditto ...	29 4 16	...	Column 10 includes 2 years' leave on medical certificate from March 1863, under the old rules which were then in force, and allowed the leave to reckon as service. On furlough to Europe on medical certificate.
3	„ Harry Duhan ...	Ditto ...	49 2 22	Surveyor	...	500 0 0	Apl. 22, 1845	Apl. 1, 1866	25 10 9	Personal Asst. to Supdt. (16 months and 4 days' furlough to Europe excluded).	Services reckoned under new rules.
4	„ J. McGill (Senior Branch) ...	Ditto ...	45 5 9	Assistant Superintendent	2nd grade ...	700 0 0	Oct. 1, 1851	Apl. 1, 1874	24 6 0	Kattywar Survey	Offg. Assistant Superintendent, 1st grade. Services reckoned under old rules.
5	Lt.-Col. T. G. Montgomerie, R. E. ...	Passed ...	45 10 23	Deputy Superintendent	1st grade ...	...	Oct. 1, 1852	Ditto ...	...	...	On furlough.
6	Colonel J. T. Walker, R. E. ...	...	49 4 0	Superintendent	...	2,565 5 0	Dec. 1, 1853	Mar. 12, 1861	...	Superintendent.	...
7	Mr. W. G. Beverley (Senior Branch) ...	Not passed ...	40 5 15	Assistant Superintendent	2nd grade ...	700 0 0	July 1, 1854	Apl. 1, 1874	21 9 0	In charge, Burma Party	Offg. Asst. Supdt., 1st grade; leave to Europe on medical certificate for 1 year, and 355 days included under old rules.
8	„ E. C. Ryall (ditto) ...	Ditto ...	38 2 15	Ditto	3rd grade ...	600 0 0	Apl. 25, 1855	Ditto ...	20 11 6	Kamaun and Garhwal Survey	225 days' sick leave included under old rules. Offg. Asst. Supdt., 2nd grade.
9	„ H. Beverley ...	Ditto ...	37 5 3	Surveyor	1st grade ...	500 0 0	June 14, 1855	Apl. 1, 1871	20 9 17	Eastern Frontier Series	30 days' leave included under old rules.
10	„ L. H. Clarke ...	Ditto ...	41 9 26	Ditto	2nd grade ...	400 0 0	Nov. 26, 1855	Dec. 1, 1872	20 4 5	Head-Quarters.	...
11	„ C. J. Neuville ...	Ditto ...	41 9 12	Ditto	...	400 0 0	Dec. 1, 1855	Oct. 1, 1871	20 4 0	Kamaun and Garhwal Survey	6 months' sick leave included under old rules.
12	„ W. Todd ...	Ditto ...	37 4 21	Ditto	...	400 0 0	Jan. 11, 1856	June 1, 1874	18 3 19	Ditto	Services reckoned under old rules.
13	„ A. D'Souza ...	Ditto ...	38 7 17	Ditto	1st grade ...	500 0 0	Feb. 19, 1856	Sept. 1, 1875	15 5 17	Guzerat Survey	349 days' furlough, and 77 days' medical leave excluded under new rules.
14	„ J. Low ...	Ditto ...	36 1 0	Ditto	2nd grade ...	400 0 0	Oct. 1, 1857	Aug. 1, 1875	18 6 0	Burma Party	302 days' sick leave included under old rules.
15	„ C. Wood ...	Ditto ...	33 8 10	Ditto	3rd grade ...	350 0 0	May 6, 1858	Apl. 1, 1871	17 8 10	Computing Office	Services reckoned under old rules.
16	„ H. E. T. Keelan ...	Ditto ...	33 0 1	Ditto	Ditto ...	350 0 0	Aug. 17, 1858	Apl. 1, 1872	10 2 18	No. 1 Extra Party	9 months and 13 days' furlough excluded under the new rules.
17	„ F. Bell ...	Lower Standard	33 11 6	Ditto	Ditto ...	350 0 0	Ditto ...	June 1, 1873	10 6 6	Kattywar Survey	1 year's furlough excluded under new rules. On medical leave to Australia for 1 year, from 1st November 1875.
18	Major B. R. Branfill, B. C. ...	Passed ...	42 4 8	Deputy Superintendent	2nd grade ...	1,300 0 0	Oct. 4, 1858	Apl. 1, 1874	...	Depy. Supdt., 2nd grade	In charge, Madras Party.
19	Captain H. R. Thuillier, B. E. ...	Ditto ...	38 0 5	Ditto	Ditto ...	1,433 10 0	May 21, 1859	Ditto ...	...	Offg. Depy. Supdt., 1st grade	In charge, Kamaun and Garhwal Survey.
20	Mr. G. Atkinson ...	Not passed ...	32 5 20	Surveyor	3rd grade ...	350 0 0	Aug. 1, 1859	Jan. 1, 1874	16 5 20	Drawing Office	Services reckoned under old rules.
21	Major C. T. Haig, R. E. ...	Ditto ...	41 8 15	Deputy Superintendent	2nd grade ...	1,333 10 0	Sept. 22, 1859	Apl. 1, 1874	...	Offg. Depy. Supdt., 1st grade	In charge, Guzerat Party.
22	Captain J. Herschel, B. E. ...	Passed ...	38 5 1	Ditto	Ditto ...	1,283 10 0	Nov. 12, 1859	Ditto ...	...	In charge, Computing Office.	...
23	Mr. J. Peyton ...	Not passed ...	48 2 2	Surveyor	1st grade ...	500 0 0	Feb. 3, 1860	Ditto ...	16 1 26	Guzerat Survey	Services reckoned under old rules.
24	„ J. W. Mitchell ...	Ditto ...	32 7 29	Ditto	4th grade ...	300 0 0	Sept. 1, 1861	July 1, 1874	14 7 0	Burma Party	Ditto ditto.
25	Captain T. T. Carter, B. E. ...	Passed ...	38 1 22	Deputy Superintendent	3rd grade ...	...	Mar. 1, 1861	Apl. 1, 1874	...	...	On furlough.
26	Mr. H. Peychers ...	Not passed ...	33 3 18	Surveyor	4th grade ...	300 0 0	Apl. 8, 1862	June 1, 1874	13 11 23	Computing Office	Services reckoned under old rules.
27	„ G. Belcham ...	Ditto ...	31 1 15	Ditto	Ditto ...	300 0 0	Nov. 1, 1862	Ditto ...	13 5 0	Madras Party	Ditto ditto.
28	Captain A. Pullan, s. c. ...	Passed ...	40 0 0	Assistant Superintendent	1st grade ...	1,000 0 0	Jan. 18, 1863	Apl. 1, 1874	...	Offg. Depy. Supdt., 3rd grade	In charge, Kattywar Party.
29	„ W. M. Campbell, R. E. ...	Ditto ...	36 8 12	Deputy Superintendent	3rd grade ...	1,283 0 0	Jan. 30, 1863	Ditto ...	...	Ditto, 2nd grade	In charge, No. 2 Extra Party.
30	Mr. L. J. Pocock ...	Not passed ...	32 11 5	Surveyor	4th grade ...	300 0 0	July 10, 1863	July 1, 1874	10 8 5	Mysore Topographical Survey	80 days' sick leave excluded.
31	„ A. Christie ...	Higher Standard	30 6 1	Ditto	Ditto ...	300 0 0	Aug. 7, 1863	Oct. 1, 1874	8 6 1	Guzerat Survey.	...
32	Captain H. Trotter, B. E. ...	Not passed ...	34 7 1	Deputy Superintendent	3rd grade ...	...	Sept. 5, 1863	Apl. 1, 1874	...	Offg. Depy. Supdt., 2nd grade	On furlough.
33	Mr. W. O'Sullivan ...	Ditto ...	32 1 17	Surveyor	4th grade ...	300 0 0	Oct. 1, 1863	Oct. 1, 1874	10 1 18	Assam Survey.	...
34	Mr. N. C. Gwynne ...	Ditto ...	33 0 25	Ditto	Ditto ...	300 0 0	Oct. 19, 1863	Ditto ...	11 0 25	Kattywar Survey.	...
35	„ W. C. Price ...	Ditto ...	29 9 7	Ditto	Ditto ...	300 0 0	Nov. 1, 1863	Ditto ...	7 9 7	Jodhpore Series.	...
36	„ C. H. McA Fee ...	Lower Standard	26 4 15	Ditto	Ditto ...	300 0 0	Sept. 6, 1864	Aug. 1, 1875	4 4 16	Guzerat Survey.	...
37	„ T. H. Rendell ...	Not passed ...	31 8 9	Assistant Surveyor	1st grade ...	250 0 0	Oct. 11, 1864	June 1, 1873	9 8 9	Tidal and Levelling Party.	...
38	„ J. W. Macdougall ...	Ditto ...	31 1 16	Ditto	Ditto ...	250 0 0	March 1, 1865	June 1, 1874	9 1 17	Mysore Topographical Survey.	...
39	„ E. J. Connor ...	Lower Standard	27 7 15	Ditto	Ditto ...	250 0 0	Ditto ...	July 1, 1874	5 7 16	Ditto ditto.	...
40	„ Hugh Todd ...	Not passed ...	28 7 15	Ditto	Ditto ...	250 0 0	July 15, 1865	June 1, 1874	6 6 16	Kamaun and Garhwal Survey	30 days' sick leave excluded.
41	„ E. P. Wrixon ...	Ditto ...	29 11 2	Ditto	2nd grade ...	200 0 0	Oct. 25, 1865	Ditto ...	7 11 2	Assam Party.	...
42	Captain W. J. Heaviside, B. E. ...	Passed ...	35 9 27	Deputy Superintendent	3rd grade ...	1,133 10 0	March 1, 1866	Apl. 1, 1874	...	Depy. Supdt., 3rd grade	In charge, Pendulum and Magnetic Party.
43	„ M. W. Rogers, B. E. ...	Ditto ...	34 1 12	Assistant Superintendent	1st grade ...	1,133 10 0	July 30, 1866	Ditto ...	...	In charge, Jodhpore Series	Offg. Depy. Supdt., 3rd grade.
44	Mr. J. Bond ...	Not passed ...	26 2 24	Assistant Surveyor	Ditto ...	250 0 0	Oct. 18, 1866	Oct. 1, 1874	4 2 4	No. 2 Astronomical Party	20 days' sick leave excluded.
45	„ C. D. Potter ...	Tamil, Civil Engineering College, Madras...	30 6 27	Ditto	Ditto ...	250 0 0	Oct. 29, 1866	Ditto ...	8 5 23	Madras Party	33 days' leave excluded.
46	Captain J. Hill, B. E. ...	Not passed ...	35 3 7	Assistant Superintendent	Ditto ...	...	Dec. 18, 1866	Apl. 1, 1874	...	...	On furlough.
47	Mr. W. H. Cole, M. A. (Senior Branch)...	Higher Standard	38 3 16	Ditto	Ditto ...	...	Jan. 3, 1867	Ditto ...	9 2 27	Offg. Depy. Supdt., 3rd grade	Excludes service as Professor of Mathematics, Government College, Azra, from 14th April 1862 to end of February 1864. On furlough.
48	„ J. Hickie ...	Lower Standard	27 2 17	Assistant Surveyor	2nd grade ...	200 0 0	Apl. 29, 1868	June 1, 1874	4 8 17	Guzerat Survey	0 months' medical leave excluded.
49	„ W. Fielding ...	Ditto ...	27 10 13	Ditto	Ditto ...	200 0 0	May 3, 1868	July 1, 1874	5 10 13	Kattywar Survey.	...
50	„ G. D. Cusson ...	Ditto ...	29 6 7	Ditto	Ditto ...	200 0 0	May 8, 1868	Oct. 1, 1874	7 6 7	Guzerat Survey.	...
51	„ T. Kinney ...	Ditto ...	28 10 27	Ditto	1st grade ...	250 0 0	June 17, 1868	Ditto ...	6 5 12	Kamaun and Garhwal Survey	5 months and 15 days' leave on private affairs excluded.
52	„ E. F. Litchfield ...	Ditto ...	24 2 7	Ditto	2nd grade ...	200 0 0	Nov. 26, 1868	Apl. 1, 1875	2 2 27	Ditto ditto.	...
53	Captain A. Baird, B. E. ...	Passed ...	33 10 26	Assistant Superintendent	Ditto ...	890 0 0	Dec. 4, 1868	Apl. 1, 1874	...	Offg. Asst. Supdt., 1st grade	In charge, Bombay Tidal and Levelling Party.
54	Mr. C. P. Torrens ...	Not passed ...	25 9 11	Assistant Surveyor	3rd grade ...	160 0 0	Dec. 12, 1868	Apl. 1, 1873	3 9 11	Jodhpore Series.	...
55	Captain J. R. McCullagh, B. E. ...	Passed ...	34 0 5	Assistant Superintendent	2nd grade ...	890 0 0	Feb. 12, 1869	Apl. 1, 1874	...	Mysore Topographical Survey	Offg. Asst. Supdt., 1st grade.

NOTE.—In this list the Officers have been arranged according to their length of service in the Department, the Officer who has the longest service counting for pension (column 10) being first.

the Uncovenanted Civil Service Rules. longest in the Department standing first on the list. Their dates of first appointment to Department (column 8), and period of service counting for pension (column 10) have been arranged in consecutive order.

General List of Officers of the Great Trigonometrical Survey Department on the 1st April 1876 —concluded.

1	2	3	4	5	6	7
Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
			Y. M. D.			Rs. A. P.
56	Mr. E. W. Lasseron ...	Not passed ...	31 11 7	Assistant Surveyor ...	2nd grade ...	200 0 0
57	" A. Bryson ...	Ditto ...	26 7 1	Ditto ...	3rd grade ...	160 0 0
58	" W. Oldham ...	Ditto ...	23 3 15	Ditto ...	Ditto ...	160 0 0
59	Lieut. H. J. Harman, R. E. ...	Ditto ...	25 10 17	Assistant Superintendent ...	Ditto ...	820 0 0
60	Mr. J. C. Clancey ...	...	21 6 13	Assistant Surveyor ...	Ditto ...	160 0 0
61	" J. O. Hughes ...	...	20 7 8	Ditto ...	Ditto ...	160 0 0
62	" Irvin Pocock ...	...	26 10 9	Ditto ...	Ditto ...	160 0 0
63	" G. T. Hall ...	Lower Standard ...	23 11 24	Ditto ...	Ditto ...	160 0 0
64	Lieut. St. G. C. Gore, R. E. ...	...	27 1 8	Assistant Superintendent ...	Ditto ...	670 0 0
65	" J. E. Gibbs, R. E. ...	...	...	Ditto ...	Ditto ...	670 0 0
66	Mr. J. F. McCarthy ...	...	22 11 2	Assistant Surveyor ...	4th grade ...	120 0 0
67	" D. J. Collins ...	...	21 10 27	Ditto ...	Ditto ...	120 0 0
68	" H. Corkery ...	Lower Standard ...	24 7 10	Ditto ...	Ditto ...	120 0 0
69	" P. F. Prunty ...	...	21 3 6	Ditto ...	Ditto ...	120 0 0
70	" J. Keating ...	...	21 10 27	Ditto ...	Ditto ...	120 0 0
71	" S. F. Norman ...	...	21 7 23	Ditto ...	Ditto ...	120 0 0
72	" C. Norman ...	Lower Standard ...	19 10 12	Ditto ...	Ditto ...	120 0 0
73	" R. F. Warwick ...	Ditto ...	21 0 2	Ditto ...	Ditto ...	120 0 0
74	" J. M. Kennedy ...	...	19 4 28	Ditto ...	Ditto ...	120 0 0

8	9	10	11	12
Date of first appointment to the Department.	Date of appointment to present grade.	* Period of service counting for pension.	Present post.	REMARKS.
		Y. M. D.		
May 1, 1869	Oct. 1, 1874	6 11 0	Madras Party.	
Sept. 20, 1869	Oct. 1, 1873	4 7 1	Ditto.	
Oct. 15, 1871	June 1, 1874	1 3 15	Kattywar Survey.	
June 3, 1872	Apr. 1, 1874	...	Offg. Asst. Supdt., 2nd grade ...	In charge, Assam Survey.
Sept. 30, 1872	Oct. 1, 1874	...	Eastern Frontier Series.	
Oct. 14, 1872	Apr. 1, 1875	...	Ditto 2 months and 22 days' sick leave excluded.	
Oct. 28, 1872	Ditto ...	3 5 4	Kamaun and Garhwál Survey ...	Previous service in the Stud Department, from 1st March 1869 to 23rd October 1872.
Nov. 22, 1872	Aug. 1, 1875	1 11 24	Kattywar Survey.	
Apr. 11, 1873	Apr. 1, 1874	...	Transferred to the Topographical branch under the Surveyor General ...	Officiating Assistant Superintendent, 2nd grade.
Aug. 15, 1873	Ditto ...	...	Guzerat Survey	Ditto ditto.
Aug. 1, 1873	Aug. 1, 1873	0 11 2	Assam Party.	
Oct. 6, 1873	Oct. 6, 1873	...	Burma Party.	
Nov. 20, 1873	Nov. 20, 1873	2 4 11	Kattywar Survey.	
May 9, 1874	May 9, 1874	...	Jodhpore Series.	
June 1, 1874	June 1, 1874	...	Computing Office.	
Sept. 1, 1874	Sept. 1, 1874	...	Guzerat Survey.	
Oct. 12, 1874	Oct. 12, 1874	...	Ditto.	
July 2, 1875	July 2, 1875	...	Kamaun and Garhwál Survey.	
Aug. 19, 1875	Aug. 19, 1875	...	Computing Office.	

NOTE.—In this list the Officers have been arranged according to their length of service in the Department, the Officer who has been longest in the Department standing first on the list. Their dates of first appointment to Department (column 8), and period of service counting for pension (column 10),

the Uncovenanted Civil Service Rules. * Applies only to Officers who are under longest in the Department standing first on the list. Their dates of first appointment to Department (column 8), and period of have been arranged in consecutive order.

Disposition List of Officers of the Great Trigonometrical Survey of India on the 1st April 1876.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.					Annual cost of Party, from 1st Oct. 1874 to 30th Sept. 1875.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Barkandazes.		Jemadars.
		No.	No.	No.	No.	No.	Rs.
	<i>Madras Party.</i> On the Ramnad Longitudinal Series, parallel 94°, recess quarters at Baugalore	...	...	46	1	17	41,610
	<i>Eastern Frontier Series.</i> British Burma, recess quarters at Moulmein	...	...	86	2	12	54,416
	<i>Burma Party.</i> British Burma, recess quarters at Moulmein	...	2	36	1	7	31,670
	<i>Kamaun and Garhwál Party.</i> A portion of this party was employed in the Snowy Ranges of Kamaun and Garhwál, and remainder in Dehra Dún	20	...	154	1	17	95,766
	<i>Assam Valley Triangulation.</i> Assam, recess quarters at Shillong	...	...	54	1	12	34,520
	<i>Jodhpore Series.</i> In the Jodhpore, Jesulmeer, and Bikaner States, recess quarters at Mount Aboo	...	...	50	1	14	38,726
	<i>Kattywar Party.</i> The Province of Kattywar, Bombay Presidency, recess quarters at Poona	15	1	128	1	26	71,458

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Major B. R. Branfill, B. C.	18	Deputy Superintendent, 2nd Grade	July 28, 1868.	
Mr. G. Belcham	27	Surveyor, 4th Grade	...	
" C. D. Potter	45	Assistant Surveyor, 2nd Grade	...	
" E. W. Lasseron	56	Ditto, 3rd do.	...	
" A. Bryson	57	Ditto, 3rd do.	...	
W. C. Rossenrode, Esq.	1	Deputy Superintendent, 3rd Grade	Oct. 1, 1873.	
Mr. H. Beverley	9	Surveyor, 1st Grade	...	
" J. C. Clancey	60	Assistant Surveyor, 3rd Grade	...	
" J. O. Hughes	61	Ditto, 3rd do.	...	
W. G. Beverley, Esq.	7	Offg. Asst. Supdt., 1st Grade	Oct. 1, 1874.	
Mr. J. Low	14	Surveyor, 2nd Grade	...	
" J. W. Mitchell	24	Ditto, 4th do.	...	
" D. J. Collins	67	Assistant Surveyor, 4th Grade	...	
Captain H. R. Thuillier, B. E.	19	Offg. Depy. Supdt., 1st Grade	Oct. 1, 1873.	
Mr. E. C. Ryall	8	Offg. Asst. Supdt., 2nd do.	...	
" C. J. Neuville	11	Surveyor, 2nd do.	...	
" W. Todd	12	Ditto, 2nd do.	...	
" H. Todd	40	Assistant Surveyor, 1st do.	...	
" T. Kinney	51	Ditto, 1st do.	...	
" E. F. Litchfield	62	Ditto, 2nd do.	...	
" J. Pocock	62	Ditto, 3rd do.	...	
" R. F. Warwick	73	Ditto, 4th do.	...	
Lieut. H. J. Harman, B. E.	59	Offg. Asst. Supdt., 2nd Grade	Oct. 6, 1874.	
Mr. W. O'Sullivan	33	Assistant Surveyor, 1st do.	...	
" E. P. Wrixon	41	Ditto, 2nd do.	...	
" J. F. McCarthy	66	Ditto, 4th do.	...	
Captain M. W. Rogers	43	Offg. Depy. Supdt., 3rd Grade	Nov. 20, 1874.	
Mr. W. C. Price	35	Surveyor, 4th do.	...	
" C. P. Torrens	54	Assistant Surveyor, 3rd do.	...	
" P. F. Prunty	69	Ditto, 4th do.	...	
Captain A. Pullan, s. c.	28	Offg. Depy. Supdt., 3rd Grade	Apl. 6, 1873.	
Mr. J. McGill	4	Offg. Asst. Supdt., 1st do.	...	
" J. Peyton	23	Surveyor, 1st Grade	...	
" F. Bell	17	Ditto, 3rd do.	...	
" N. C. Gwynne	34	Ditto, 4th do.	...	
" W. A. Fielding	49	Assistant Surveyor, 2nd do.	...	
" W. Oldham	58	Ditto, 3rd do.	...	
" G. T. Hall	63	Ditto, 3rd do.	...	
" H. Corkery	68	Ditto, 4th do.	...	
				On medical leave to Australia.

Disposition List of Officers of the Great Trigonometrical Survey of India on the 1st April 1876 —concluded.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party, from 1st Oct. 1874 to 30th Sept. 1875.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Barkandazes.	Jemadars.	
	<i>Guzerat Party.</i>	No.	No.	No.	No.	No.	No.	Ra.
	Guzerat, recess quarters at Poona	11	1	112	1	26	1	91,591
	<i>No. 1 Extra Party.</i>							
	Carrying on Electric determinations of Longitude in the Madras and Bombay Presidencies, recess quarters at Bangalore ... ..	...	...	24	1	12	...	22,115
	<i>No. 2 Extra Party.</i>							
	Carrying on Electric determinations of Longitude in the Madras and Bombay Presidencies, recess quarters at Bangalore ... ..	...	1	10	...	...	...	12,029
	<i>Bombay Tidal and Leveling Party.</i>							
	Gulf of Cutch and Kattywar	9	2	36	1	12	...	31,418

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Major C. T. Haig, R. E. ...	21	Deputy Superintendent, 2nd Grade ...	Sep. 23, 1871.	
Lieut. J. E. Gibbs, R. E. ...	65	Offg. Asst. Supdt., 2nd Grade ...		
Mr. A. D'Souza ...	13	Surveyor, 1st Grade ...		
" A. Christie ...	31	Ditto, 4th do. ...		
" C. H. McA Fee ...	36	Ditto, 4th do. ...		
" J. Hickie ...	48	Asst. Surveyor, 2nd Grade ...		
" G. D. Cusson ...	50	Ditto, 2nd do. ...		
" S. F. Norman ...	71	Ditto, 4th do. ...		
" C. Norman ...	72	Ditto, 4th do. ...		
Captain W. J. Heaviside, R. E. ...	42	Depy. Supdt., 3rd Grade ...	Dec. 20, 1875.	
Mr. H. E. T. Keelan ...	16	Surveyor, 3rd do. ...		
Captain W. M. Campbell, R. E. ...	29	Offg. Depy. Supdt., 2nd Grade ...	Aug. 1, 1875.	
Mr. J. Bond ...	44	Asst. Surveyor, 1st do. ...		
Captain A. Baird, R. E. ...	53	Offg. Asst. Supdt., 1st Grade ...	On the formation of the Party, 1st September 1872.	
Mr. T. H. Rendell ...	37	Assistant Surveyor, 1st do. ...		

Disposition List of Officers of the Mysore Revenue Survey Department on the 1st April 1876.

Number of Party.	Where employed.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party (from 1st April 1875 to 31st Mar. 1876)	Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.	
		Sub-Surveyors.	English Clerks.	Karkoons, &c.	Learners.	Mappers.	Peons.							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	
		No.	No.	No.	No.	No.	No.	Rs.						
1	Mysore Province ...	...	...	...	...	...	...	...		The Hon'ble Col. W. C. Anderson	1	Survey and Settlement Commissioner	Sep. 28, 1863	
2	Ditto ...	...	2	2	...	...	4	18,609		Major J. P. Grant	2	Superintendent	Jan. 15, 1869	
3	Ditto ...	...	2	58	...	28	10	21,34,226		" J. W. M. Anderson	3	Deputy Superintendent	Nov. 1, 1869	
	<i>Measuring Establishments.</i>													
4	Túmkúr and Kadur Districts ...	24	...	2	1	...	2	16,659		Captain D. Cowie	14	Assistant Supdt., 2nd grade	Dec. 2, 1871	
5	Hassan District ...	28	...	2	6	...	2	15,736		" J. B. Lawrence	12	Ditto, 2nd grade	Oct. 28, 1870	
6	Kolar and Bangalore Districts ...	26	...	2	3	...	2	13,648		Mr. F. B. Clerk	11	Ditto, 3rd grade	Nov. 26, 1869	
7	Hassan and Túmkúr Districts ...	25	...	3	3	...	2	12,889		" G. K. Betham	18	Ditto, 4th grade	April 15, 1875	
8	Túmkúr and Kadur Districts ...	24	...	2	4	...	2	16,316		Captain R. L. Price	16	Ditto, 2nd grade	Sept. 10, 1875	
9	Hassan and Kadur Districts ...	25	...	2	3	...	2	15,897		Lieut. A. H. Macintire	13	Ditto, 2nd grade	Dec. 8, 1870	
10	Túmkúr and Bangalore Districts ...	22	...	2	3	...	2	12,537		Captain A. McCally	15	Ditto, 4th grade	Nov. 8, 1874	
11	Bangalore, Túmkúr and Hassan Districts ...	23	...	2	4	...	2	17,766		" G. Mackenzie	17	Ditto, 1st grade	Nov. 5, 1873	
12	Hassan and Kadur Districts ...	22	...	3	5	...	2	16,662		Mr. J. P. Barker	8	Ditto, 2nd grade	Dec. 1, 1867	
13	Bangalore, Túmkúr and Hassan Districts ...	21	...	3	5	...	2	14,779		" W. E. A. James	10	Ditto, 3rd grade	April 19, 1873	
14	Shimoga, Bangalore, Kadur and Túmkúr Districts ...	14	...	1	3	...	2	9,786		" G. F. Meiklejohn	9	Ditto, 2nd grade	Sept. 10, 1875	
	<i>Classing Establishments.</i>													
15	Bangalore and Shimoga Districts ...	13	...	1	3	...	2	13,171		Captain M. F. Coussmaker	7	Assistant Supdt., 2nd grade	May 11, 1875	
16	Túmkúr and Hassan Districts ...	13	...	1	5	...	2	13,978		Mr. E. H. Butcher	6	Ditto, 2nd grade	Jan. 26, 1867	
17	Hassan and Kadur Districts ...	13	...	1	4	...	2	15,527		Captain F. W. Major	5	Ditto, 1st grade	April 16, 1875	
18	Shimoga, Kadur and Túmkúr Districts ...	3	...	...	...	...	...	2,965		Mr. G. F. Meiklejohn	9	Ditto, 2nd grade	Sept. 10, 1875	
	TOTAL ...	296	6	93	52	28	46	2,84,921						

Classified List of Officers of the Berar

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Duty on which at present employed.
1	Mr. R. R. Beynon 1st Grade.	Superintendent	Superintendent
1	Captain C. C. Pemberton	Assistant Superintendent	Assistant Superintendent

N. B.—The salaries of the Military Assistant Superintendents are now consolidated

General List of Officers of the Berar Revenue

1	2	3	4	5	6	7
Genl. Seniority Number.	NAMES.	Passed in the Vernacular.	Age on 15th April.	Rank.	Grade.	Salary.
1	Mr. R. R. Beynon	Passed ...	Y. M. D. 36 5 3	Superintendent	3rd grade	Rs. A. P. 1,175 0 0
2	Captain C. C. Pemberton	Ditto ...	36 3 6	Assistant Superintendent	1st grade	795 0 0

N. B.—The dates given under the head of "First appointment" (column 9), are those

Disposition List of Officers of the Berar Revenue

Number of Party.	Where employed.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Average number of square miles surveyed during the last three years, or other work done by Party.	Work of last twelve months.	Annual cost of Party from 1st April 1875 to 31st Mar. 1876.
		Sub-Surveyors.	English Clerks.	Karkoons.	Mappers.	Peons.	TOTAL.			
1	East and West Berar ...	No. 1	No. 2	No. 22	No. 21	No. 13	No. 59	Omitted in accordance with instructions contained in letter No. 437, dated the 14th July 1874, from the Government of India, in the Department of Revenue, Agriculture and Commerce.	Rs. 31,558	
2	Wán & Bassim Districts ...	19	...	5	...	3	27		19,000	
TOTAL ...		20	2	27	21	16	86		50,558	

Revenue Survey Department on the 1st April 1876.

SALARIES, INCLUDING ALLOWANCES.				REMARKS.
TO MILITARY OFFICERS.			TO CIVILIANS.	
Military Pay and Allowances.	Staff Pay.	Aggregate Pay and Allowances.	Civil Consolidated Salary.	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
.....	.....	.....	1,175 0 0	
.....	.....	795 0 0	.....

vide Government of India, Financial Department, No. 2956, dated 21st October 1865.

Survey Department on the 1st April 1876.

8	9	10	11	12	13
Date of appointment to present grade.	Date of first appointment to the Department.	Period of service in present grade.	*Period of service counting for pension.	Present post.	REMARKS.
May. 4, 1874	Oct. 30, 1859	Omitted in accordance with instructions contained in letter No. 437, dated the 14th July 1874, from the Govt. of India in the Dept. of Reve., Agriculture and Commerce.	Y. M. D. 13 0 9	Superintendent	Service under 22 years of age and period on leave to Europe have been deducted.
Feb. 2, 1873	Sept. 9, 1864		...	Assistant Superintendent.	

Unconvenanted Civil Service Rules. appointment to Probationary Assistant in the Survey Department.

Survey Department on the 1st April 1876.

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Mr. R. R. Beynon ...	1	Superintendent, 3rd grade	Oct. 30, 1872	
Captain C. C. Pemberton ...	2	Assistant Superintendent, 1st grade	Oct. 30, 1871	

Classified List of Officers of the Marine Survey Department as it stood on the 1st April 1876.

No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Present Pay.	REMARKS.
SCIENTIFIC OFFICERS.					
				Rs. A. P.	
1	Commander A. D. Taylor, late I. N.	Supdt. of Marine Surveys ...	...	1,800 0 0	
1	Staff Commander J. H. Ellis, R. N.	Deputy Supdt. of Marine Surveys, 1st grade ...	...	900 0 0	
1	Navg. Lieut. F. W. Jarrad, R. N.	Ditto 2nd grade ...	Commanding the I. G. S. S. <i>Clyde</i> ...	650 0 0	Exclusive of Rs. 50 per mensem as draughtsmen.
3	<i>Assistant Superintendents, 1st Grade—</i>				
1	Navg. Lieut. G. C. Hammond, R. N. ...	Asst. Supdt., 1st grade	Commanding the I. G. S. <i>Constance</i> ...	575 0 0	
2	Vacant ...	Ditto.			
3	Vacant ...	Ditto.			
4	<i>Assistant Superintendents, 2nd Grade—</i>				
1	Navg. Sub-Lieut. E. W. Petley, R. N. ...	Asst. Supdt., 2nd grade	Attached to the I. G. S. <i>Constance</i> ...	375 0 0	
2	Mr. N. Chapman, late I. N. ...	Ditto ...	Attached to the I. G. S. S. <i>Clyde</i> ...	375 0 0	
3	Vacant ...	Ditto.			
4	Vacant ...	Ditto.			
2	<i>Assistant Superintendents, 3rd Grade—</i>				
1	Mr. P. J. Falle (Bengal Marine)...	Asst. Supdt., 3rd grade	Attached to the I. G. S. S., <i>Clyde</i> ...	225 0 0	
2	Vacant ...	Ditto.			
2	<i>Executive Officers—</i>				
1	Mr. G. W. Hill, (Bombay Marine)	Executive Officer ...	...	225 0 0	On privilege leave for one month from the 27th. March 1876, vide R., A. and C. Dept. Notification No. 258, dated 14th March 1876.
2	Mr. T. W. Baker (Bombay Marine)	Ditto ...	Attached to the I. G. S. <i>Constance</i> ...	225 0 0	
CIVIL OFFICERS.					
1	<i>Supdt. of Drawing Branch—</i>				
1	Mr. R. C. Carrington ...	Superintendent, Drawing Branch ...	...	700 0 0	
1	<i>Medical Officer and Naturalist—</i>				
1	Surgeon J. Armstrong ...	Medical Officer and Naturalist ...	Attached to the I. G. S. S. <i>Clyde</i> ...	400 0 0	

General List of the Officers of the Marine Survey Department on the 1st April 1876.

1	2	3	4	5	6	7
Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
			Y. M. D.			Rs. A. P.
SCIENTIFIC OFFICERS.						
1	Commander A. D. Taylor, late I. N. ...	...	50 7 1	Superintendent of Marine Surveys	...	1,800 0 0
2	Staff Commander J. H. Ellis, R. N. ...	...	40 3 9	Depy. Supdt. of Marine Surveys	1st grade ...	900 0 0
3	Navg. Lieut. F. W. Jarrad, R. N. ...	Hindustani	32 0 19	Ditto	2nd grade ...	650 0 0
4	„ Lieut. G. C. Hammond, R. N. ...	L. S.	29 6 0	Assistant Superintendent	1st grade ...	575 0 0
5	„ Sub-Lieut. E. W. Petley, R. N. ...	...	25 10 0	Ditto	2nd grade ...	375 0 0
6	Mr. M. Chapman, late I. N.	...	33 4 0	Ditto	Ditto	375 0 0
7	„ P. J. Falle, Bengal Marine	...	28 3 19	Ditto	3rd grade ...	225 0 0
8	„ G. W. Hill, Bombay Marine	...	26 0 0	Executive Officer	...	225 0 0
9	„ T. W. Baker, Bombay Marine	...	30 0 0	Ditto	...	225 0 0
CIVIL OFFICERS.						
1	Mr. R. C. Carrington ...	Hindustani	37 9 0	Supdt., Drawing Branch	...	700 0 0
2	Surgeon J. Armstrong ...	L. S.	29 5 2	Medical Officer and Naturalist	...	400 0 0

8	9	10	11	12
Date of first appointment to Department.	Date of appointment to present grade.	Period of service counting for pension.	Present Post.	REMARKS.
		Y. M. D.		
July 27, 1874	July 27, 1874	1 8 5*	Superintendent of Marine Surveys	* Exclusive of Indian Navy service.
Nov. 19, 1874	Nov. 19, 1874	19 0 0	Depy. Supdt., Marine Surveys, 1st grade.	
Nov. 19, 1874	Nov. 19, 1874	10 0 0	Depy. Supdt., Marine Surveys, 2nd grade, Comdg. S. S. <i>Clyde</i> .	
Nov. 19, 1874	Nov. 19, 1874	9 0 0	Asstt. Superintendent, 1st grade, Comdg. S. <i>Constance</i> .	
Nov. 19, 1874	Nov. 19, 1874	†	Asstt. Superintendent, 2nd grade, attached to the S. <i>Constance</i> .	† Counts no service at present according to Navy Rules.
Jan. 21, 1875	Jan. 21, 1875	5 4 0‡	Asstt. Superintendent, 2nd grade, attached to the S. S. <i>Clyde</i> .	‡ Exclusive of I. N. service.
Nov. 1, 1874	Nov. 1, 1875	8 3 0	Attached to the S. S. <i>Clyde</i> .	
Jan. 21, 1875	Jan. 21, 1875	3 4 6	...	Privilege leave from 27th March for one month.— <i>Vide</i> R. A. and C. Department Notification No. 258, dated the 14th March 1876.
Feb. 4, 1875	Feb. 4, 1875	3 0 0	Attached to the S. <i>Constance</i>	
Dec. 26, 1874	Dec. 26, 1874	17 0 0	Superintendent, Drawing Branch, Office of Superintendent of Marine Surveys.	
Jan. 24, 1875	Jan. 24, 1875	2 0 0	Medical Officer and Naturalist attached to the S. S. <i>Clyde</i> .	

Disposition List of Officers of the Marine Survey Department on the 1st April 1876.

Name of Surveying Vessel.	Where employed.	STRENGTH OF CREW.				Annual cost of party.
		Surveying Amanuensis.	Warrant Officers.	Engineer Officers.	Ship's Company.	
						Rs. A. P.
	Calcutta—Head Quarters	...	...	...	...	...
I. G. S. S. <i>Clyde</i>	Rangoon and Akyab	...	4	3	66	53,852-44
I. G. S. <i>Constance</i>	False Point and the Palmyras Shoals.	1	3	1	44	33,934-10

Officer in Charge, Assistant Superintendents and Executive Officers.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Commander A. D. Taylor, F. R. S., late I. N.	1	Superintendent of Marine Surveys	July 27, 1874.	
Staff Commander J. H. Ellis, R. N.	2	Deputy Supdt. of Marine Surveys, 1st grade.	Nov. 19, 1874.	
Mr. R. C. Carrington	1	Superintendent, Drawing Branch	Dec. 26, 1874.	
Navg. Lieutenant F. W. Jarrad, R. N.	3	Depy. Supdt. of Marine Surveys, 2nd grade.	Nov. 1st 1875.	
Mr. M. Chapman, late I. N.	6	Asst. Supdt. of Marine Surveys, 2nd grade.		
Mr. P. J. Falle, Bengal Marine	7	Asst. Supdt. of Marine Surveys, 3rd grade.		
Surgeon J. Armstrong	2	Surgeon and Naturalist.		
Navg. Lieutenant G. C. Hammond, R. N.	4	Asst. Supdt. of Marine Surveys, 1st grade.	June 21st 1875.	
Navg. Sub-Lieutenant E. W. Petley, R. N.	5	Asst. Supdt. of Marine Surveys, 2nd grade.		
Mr. T. W. Baker, Bombay Marine	9	Executive Officer	...	Unattached.
Mr. G. W. Hill, Bombay Marine	8	Executive Officer	...	Privilege leave for one month from the 27th March 1876, <i>vide</i> Department of Revenue, Agriculture and Commerce Notification No. 258, dated 14th March 1876.

Classified List of the Officers of the Geological Survey of India on the 1st April 1876.

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Duty on which at present engaged.
1	H. B. Medlicott, A. M., F. G. S. ... <i>1st Grade, Rs. 700, rising to Rs. 1,000.</i>	Superintendent, Geological Survey...	Head-Quarters ...
1	W. T. Blanford, A. R. S. M., F. G. S. ...	Senior Depy. Supdt. for Bombay ...	Sind ...
2	W. Theobald ...	Deputy Superintendent ...	On furlough ...
3	W. King, Jr., A. B., F. G. S. ...	Deputy Superintendent for Madras ...	Godavari District ...
4	R. B. Foote, F. G. S. ... <i>2nd Grade, Rs. 500, rising to Rs. 700.</i>	Assistant, Geological Survey ...	Nellore and Kristna District ...
1	A. B. Wynne, F. G. S. ...	Assistant, Geological Survey ...	On furlough ...
2	F. R. Mallet, F. G. S. ...	Ditto ...	Naga Hills, Assam ...
3	T. W. H. Hughes, A. R. S. M., F. G. S. ...	Ditto ...	Godavari Valley ...
4	W. L. Willson ...	Ditto ...	Bundelkund ...
5	V. Ball, A. M., F. G. S. ... <i>3rd Grade, Rs. 300, rising to Rs. 500.</i>	Ditto ...	Talchir Coal Field, Orissa ...
1	F. Fedden, A. R. S. M., F. G. S. ...	Assistant, Geological Survey ...	Sindh ...
2	C. A. Hackett ...	Ditto ...	Rajputana ...
3	A. Tween, A. R. S. M. ...	Curator and Registrar ...	Head-Quarters ...
4	R. Lydekker, A. D. ...	Assistant, Geological Survey ...	Sub-Himalaya ...
5	O. Feistmantel, M. D. ...	Ditto ...	Head-Quarters ...
<i>Ungraded Officers.</i>			
	Vacant ...	Mining Geologist ...	...
	T. H. Turner ...	Assistant Curator ...	Head-Quarters ...
	J. Schaumburg ...	Artist ...	Ditto ...
	Kissen Singh ...	Apprentice ...	Ditto ...
	Ram Singh ...	Ditto ...	Ditto ...
	Hera Lall ...	Ditto ...	Ditto ...

SALARIES INCLUDING ALLOWANCES.				REMARKS.
Pay.	Travelling and Horse Allowance.	Additional Pay as Deputy Superintendent.	Total Pay and Allowances.	
Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	
1,800 0 0	200 0 0	.....	2,000 0 0	
1,400 0 0	140 0 0	.....	1,540 0 0	
1,000 0 0	130 0 0	100 0 0	1,230 0 0	On furlough for 8 months.
1,000 0 0	130 0 0	100 0 0	1,230 0 0	
1,000 0 0	130 0 0	.....	1,130 0 0	
700 0 0	130 0 0	.....	830 0 0	On furlough for 1 year, 1 month and 14 days.
700 0 0	130 0 0	.....	830 0 0	
700 0 0	130 0 0	.....	830 0 0	
700 0 0	130 0 0	.....	830 0 0	
700 0 0	130 0 0	.....	830 0 0	
500 0 0	130 0 0	.....	630 0 0	Acting in 2nd grade, vice Mr. A. B. Wynne, on furlough.
500 0 0	130 0 0	.....	630 0 0	
500 0 0	150 0 0	.....	650 0 0	
350 0 0	130 0 0	.....	480 0 0	
350 0 0	130 0 0	.....	480 0 0	
275 0 0	.....	.....	275 0 0	Vacancy caused by death of Mr. Mark Fryar.
300 0 0	.....	.....	300 0 0	
75 0 0	.....	.....	75 0 0	
50 0 0	.....	.....	50 0 0	
50 0 0	.....	.....	50 0 0	

General List of the Officers of the Geological Survey of India on the 1st April 1876.

Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
			Y. M. D.			Rs.
1	W. Theobald ...	...	46 11 14	Asst., Geol. Survey ...	1st grade ...	1,000
2	H. B. Medlicott, A. M., F. G. S. ...	...	46 7 29	Supdt., Geol. Survey ...	No grade ...	1,800
3	W. T. Blanford, F. R. S., A. R. S. M. ...	...	43 5 25	Senior Depy. Supdt. ...	1st grade ...	1,400
4	William King, Jr., A. B., F. G. S. ...	...	42 8 16	Depy. Supdt. ...	Ditto ...	1,000+100
5	W. L. Willson ...	...	52 10 1	Asst., Geol. Survey ...	2nd grade ...	700
6	R. B. Foote, F. G. S. ...	...	41 6 9	Ditto ...	1st grade ...	1,000
7	F. R. Mallet, F. G. S. ...	Oct. 5, 1868	35 1 19	Ditto ...	2nd grade ...	700
8	A. Tween, A. R. S. M. ...	Mar. 8, 1865	54 4 26	Curator and Registrar ...	3rd grade ...	500
9	F. Fedden, A. R. S. M., F. G. S. ...	Oct. 26, 1869	37 0 10	Asst., Geol. Survey ...	Ditto ...	500
10	C. A. Hackett ...	Oct. 5, 1868	42 8 20	Ditto ...	Ditto ...	500
11	T. W. H. Hughes, A. R. S. M., F. G. S. ...	Aug. 3, 1868	32 7 30	Ditto ...	2nd grade ...	700
12	A. B. Wynne, F. G. S. ...	Nov. 9, 1868	40 5 17	Ditto ...	Ditto ...	700
13	V. Ball, A. M., F. G. S. ...	Oct. 1, 1867	32 8 18	Ditto ...	Ditto ...	700
14	R. Lydekker, A. B. ...	Apl. 5, 1875	26 8 7	Ditto ...	Ditto ...	350
15	O. Feistmantel, M. D. ...	Oct. 4, 1875	27 4 10	Ditto ...	Ditto ...	350
<i>Ungraded Officers.</i>						
	Vacant ...	...	...	Mining Geologist ...	...	275
	T. H. Turner ...	...	35 9 6	Asst. Curator ...	No grade ...	300
	J. Schaumburg ...	...	36 8 30	Artist ...	...	75
	Kissen Singh ...	...	*	Apprentice ...	...	50
	Ram Singh ...	...	*	Ditto ...	...	50
	Hera Lall ...	...	*	Ditto ...	...	50

Date of first appointment to the Department.	Date of appointment to present grade.	Period of service counting for pension.	Present post.	REMARKS.
		Y. M. D.		
Nov. —, 1848	Mar. 31, 1869	23 4 21	On furlough ...	Appointed Depy. Supdt. on 1st April 1876.
Mar. 24, 1854	Apl. 1, 1876	21 0 19	Head-Quarters.	
Oct. 1, 1855	Ditto ...	18 0 9	Sind.	
Mar. 4, 1857	Apl. 21, 1875	17 9 28	Godavari District.	
Ditto	Ditto ...	17 9 28	Bundelkund.	
Sept. 23, 1858	Apl. 1, 1876	16 1 8	Kristna District.	
Feb. 12, 1859	May 1, 1872	12 1 19	Naga Hills, Assam.	
May 12, 1859	May 1, 1866	14 11 29	Office and Museum.	
Oct. 1, 1860	Ditto ...	12 10 12	Sind.	
Nov. 11, 1861	Ditto ...	13 1 29	Rajputana.	
Nov. 11, 1862	Apl. 21, 1875	9 3 22	Godavari District.	
Nov. 13, 1862	Mar. 31, 1869	10 0 20	On furlough.	
Oct. 29, 1864	Apl. 1, 1876	10 8 18	Talchir Coal Field, Orissa.	
Nov. 26, 1874	Nov. 26, 1874	1 4 5	Sub-Himalaya.	
Mar. 25, 1875	Mar. 25, 1875	1 0 6	Office and Museum.	
Apl. 1, 1869	Apl. 1, 1869	7 0 0	Office and Museum.	
Apl. 12, 1869	Apl. 12, 1869	6 11 19	Ditto.	
Jan. 7, 1874	Jan. 7, 1874	.....	Ditto.	
Ditto ...	Ditto ...	.....	Ditto.	
Ditto ...	Ditto ...	.....	Ditto.	

Disposition List of the Officers of the Geological Survey of India on the 1st April 1876.

NAMES OF OFFICERS.	Where employed.	No. in General List.	Rank and Grade.	Date of assuming charge.	STRENGTH OF SUBORDINATE ESTABLISHMENT OF ALL GRADES.						Office Establish-ment. (Clerks & Draughts-men, Pressmen and Servants.)	Where employed during last three years.	Annual cost (salary, contingencies, travelling allowances of officers and their subordinates, if any).*	REMARKS.	
					1st Grade.		2nd Grade.		3rd Grade.						Non-graded Officers.
					No.	No.	No.	No.	No.	No.					
H. B. Medlicott, A. M., F. G. S. <i>1st grade.</i>	Head-Quarters	2	Supdt., Geological Survey.	Mar. 24, 1854	4	5	5	5	10	19	1873-74. Office and Garo Hills 1874-75. Ditto and Narbada 1875-76. Sub-Himalaya	Salary and allowances Extra travelling allowances	Rs. 15,060 0 0 A. P. 1,928 2 6	16,988 2 6	
W. T. Blanford, A. R. S. M., F. B. S.	Sindh	3	Senior Depy. Supdt.	Oct. 1, 1855							1873-74. On sick leave 1874-75. Ditto & Sindh 1875-76. Sindh	Salary and allowances Extra travelling do.	15,060 0 0 1,220 14 0	16,280 14 0	
William Theobald	On furlough	1	Depy. Supdt., Geological Survey.	Nov. 1848							1873-74. Sivalik Hills 1874-75. Ditto 1875-76. Sub-Himalaya	Salary and allowances Extra travelling allowances	13,785 0 0 919 12 3	14,704 12 3	
William King, Jr., A. B., F. G. S.	Godavari District	4	Dy. Supdt., Madras	Mar. 4, 1857	4 first grade officers.							1873-74. Godavari District 1874-75. Ditto 1875-76. Ditto	Salary and allowances Extra travelling do. Hospital Assistant's pay, etc.	14,960 0 0 733 0 0	15,693 0 0
R. B. Foote, F. G. S. <i>2nd grade.</i>	Nellore District	6	Asst., Geological Survey.	Sept. 28, 1858							1873-74. Nellore and Kristna District. 1874-75. Nellore District 1875-76. Ditto	Salary and allowances Extra travelling allowances	10,170 0 0 594 0 0	10,764 0 0	
A. B. Wynne, F. G. S.	On furlough	12	Ditto	Nov. 13, 1862							1873-74. Rawul Pindi 1874-75. Ditto and furlough 1875-76. Furlough	Salary and allowances Extra travelling do.	762 1 6	762 1 6	
F. R. Mallet, F. G. S.	Naga Hills, Assam	7	Ditto	Feb. 12, 1859							1873-74. Sikkim 1874-75. Assam 1875-76. Ditto	Salary and allowances Extra travelling do. Hospital Assistant's pay, etc.	10,173 13 8 780 7 9 424 0 1	11,378 5 6	
T. W. H. Hughes, A. R. S. M., F. G. S.	Godavari District	11	Ditto	Nov. 11, 1862							1873-74. Nagpur & Nizam's Territory. 1874-75. Wardha Coal-field 1875-76. Godavari Valley	Salary and allowances Extra travelling do. Hospital Assistant's pay, etc.	9,869 2 8 1,094 15 0 651 5 3	11,615 6 11	
W. L. Willson	Bundelkund	5	Ditto	Mar. 4, 1857	5 second grade officers.							1873-74. Bundelkund 1874-75. Ditto 1875-76. Ditto	Salary and allowances Extra travelling allowances	10,187 14 5 792 6 0	10,980 4 5
V. Ball, A. M., F. G. S. <i>3rd grade.</i>	Talchir Coal-field, Orissa.	13	Ditto	Oct. 29, 1864							1873-74. Satpura 1874-75. Sambalpur 1875-76. Talchir Coal-field, Orissa	Salary and allowances Extra travelling do. Hospital Assistant's pay, etc.	7,785 0 0 983 9 2 616 5 11	9,284 15 1	
F. Fedden, A. R. S. M., F. G. S.	Sindh	9	Ditto	Oct. 1, 1860							1873-74. Sick leave & Nizam's Territories 1874-75. Sindh 1875-76. Ditto	Salary and allowances Extra travelling do.	10,019 5 8 1,402 7 0	11,421 12 8	
C. A. Hacket	Rajpootana	10	Ditto	Nov. 11, 1861							1873-74. Rajpootana 1874-75. Furlough 1875-76. Rajpootana	Salary and allowances Extra travelling do.	2,583 5 4 484 0 0	3,067 5 4	
A. Tween, A. R. S. M.	Head-Quarters	8	Curator & Registrar	May 12, 1859							1873-74. Museum and Office 1874-75. Ditto 1875-76. Ditto	Salary House allowance	6,000 0 0 1,800 0 0	7,800 0 0	
R. Lydekker, A. B.	Sub-Himalaya	14	Asst., Geological Survey.	Nov. 26, 1874							1873-74. Office 1874-75. Office 1875-76. Sub-Himalaya	Salary and allowances Extra travelling do.	5,898 5 4 621 8 0	6,519 13 4	
O. Feistmantel, M. D. <i>Non-graded Officers.</i>	Head-Quarters	15	Ditto	Mar. 25, 1875							1873-74. Office 1874-75. Office 1875-76. Rajmahal Hills and Office	Salary and allowances Extra travelling do.	5,199 8 1 105 4 0	5,304 12 1	
Vacant			Mining Geologist												
T. H. Turner	Head-Quarters		Asst. Curator	April 1, 1869							1873-74. Office and Museum 1874-75. Ditto 1875-76. Ditto	Salary		3,000 0 0	
J. Schaumburg	Ditto		Artist	April 12, 1869							1873-74. Office and Museum 1874-75. Ditto 1875-76. Rajmahal Hills & Office	Salary		3,275 0 0	
Kissen Singh	Ditto		Apprentice	Jan. 7, 1874							1873-74. Office and Museum 1874-75. Ditto 1875-76. Ditto	Salary		545 2 6	
Ram Singh	Ditto		Ditto	Ditto							1873-74. Office and Museum 1874-75. Ditto 1875-76. Ditto	Salary		396 2 0	
Hera Lall	Ditto		Ditto	Ditto							1873-74. Office and Museum 1874-75. Ditto 1875-76. Ditto	Salary		396 2 0	

* The "Annual Cost" as given above, is the cost for twelve months, from 1st April 1875 to 31st March 1876. It is to some extent a variable item depending on cost of travelling, this depending on district engaged in, &c., &c.

GENERAL ALPHABETICAL INDEX
OF
OFFICERS IN THE DEPARTMENTS
UNDER THE
DEPARTMENT OF REVENUE, AGRICULTURE & COMMERCE.

A

		PAGES
Adams, F. ...	... Topographical and Revenue Survey ...	3 10 17
Adamson, J. ...	... Forests ...	48 52 66
Adels, H. R. ...	... Topographical and Revenue Survey ...	6 14 ...
Allan, W. G. ...	... Forests ...	48 54 58
Allmark, J. ...	... Ditto ...	66 ...
Amery, C. F. ...	... Ditto ...	48 52 56
Anderson, B. ...	... Topographical and Revenue Survey ...	6 12 ...
Anderson, Lieut.-Col. F. C. ...	... Ditto ditto ...	1 8 21
Anderson, Major J. W. M. ...	... Mysore Survey ...	34 34 37
Anderson, T. ...	... Topographical and Revenue Survey ...	6 14 ...
Anderson, Col. W. C. ...	... Mysore Survey ...	34 34 37
Andrew, Capt. D. C. ...	... Topographical and Revenue Survey ...	2 10 21
Anstruther, R. N. ...	... Forests ...	50 54 66
Anwar Khan ...	... Ditto ...	50 52 70
Armstrong, Surgeon J. ...	... Marine Survey ...	41 42 43
Atkinson, D. ...	... Topographical and Revenue Survey ...	3 8 17
Atkinson, E. S. P. ...	... Ditto ditto ...	3 10 19
Atkinson, G. ...	... Great Trigonometrical Survey ...	22 26 ...
Atkinson, T. G. B. ...	... Forests ...	50 54 58
Austen, Major H. H. Godwin ...	... Topographical and Revenue Survey ...	1 10 19

B

Badgley, Capt. W. F. ...	... Topographical and Revenue Survey ...	2 12 19
Bagshawe, C. ...	... Forests ...	48 52 58
Bailey, Capt. F. ...	... Ditto ...	48 50 ...
Baird, Capt. A. ...	... Great Trigonometrical Survey ...	22 26 33
Baker, T. W. ...	... Marine Survey ...	41 42 43
Ball, V. ...	... Geological Survey ...	44 44 46
Ballantyne, J. ...	... Forests ...	50 52 68
Baness, J. F. ...	... Topographical and Revenue Survey ...	3 8 ...
Barkley, W. C. G. ...	... Ditto ditto ...	3 14 ...
Barclay, R. ...	... Topographical and Revenue Survey ...	4 8 ...
Barker, J. A. ...	... Ditto ditto ...	3 12 19
Barker, J. P. ...	... Mysore Survey ...	34 34 37
Barrett, E. C. ...	... Topographical and Revenue Survey ...	2 10 21
Barron, Capt. W. ...	... Ditto ditto ...	2 10 21
Batchelor, Lieut.-Col. C. ...	... Forests ...	48 52 58
Beavan, Capt. R. ...	... Topographical and Revenue Survey ...	2 12 21
Belcham, G. ...	... Great Trigonometrical Survey ...	24 26 31
Bell, F. ...	... Ditto ditto ...	22 26 31
Belletty, N. A. ...	... Topographical and Revenue Survey ...	3 8 ...
Berkley, L. F. ...	... Ditto ditto ...	6 14 ...
Betham, G. K. ...	... Berar and Mysore Survey ...	34 34 37
Beverley, H. ...	... Great Trigonometrical Survey ...	22 26 31
Beverly, W. G. ...	... Ditto ditto ...	22 26 31
Beynon, R. R. ...	... Berar Survey ...	38 38 39
Blanford, W. T. ...	... Geological Survey ...	44 44 46
Blythe, G. H. ...	... Topographical and Revenue Survey ...	4 8 ...
Bolst, H. J. ...	... Ditto ditto ...	3 8 17
Bond, J. ...	... Great Trigonometrical Survey ...	24 26 33
Bradley, H. C. ...	... Topographical and Revenue Survey ...	6 14 ...

GENERAL ALPHABETICAL INDEX.

		PAGES
Braidwood, J. M. ...	... Forests	50 52 56
Brandis, D. ...	... Ditto	48 52 ...
Branfill, Major B. R. ...	... Great Trigonometrical Survey ...	22 26 31
Bvereton, W. ...	... Forests	48 52 ...
Browne, B. ...	... Ditto	48 52 60
Brownfield, C. ...	... Topographical and Revenue Survey ...	4 8 ...
Bryson, A. ...	... Great Trigonometrical Survey ...	24 28 31
Butcher, E. H. ...	... Mysore Survey	34 34 37
Buttress, G. R. ...	... Topographical and Revenue Survey ...	5 8 ...
Buttress, W. S. ...	... Ditto ditto	4 10 ...

C

Campbell, D. ...	... Topographical and Revenue Survey ...	4 14 17
Campbell, G. ...	... Ditto ditto	6 10 ...
Campbell, C. W. ...	... Ditto ditto	4 8 ...
Campbell, J. ...	... Ditto ditto	2 8 21
Campbell, Capt. J. E. ...	... Forests	48 50 52 56
Campbell, Capt. W. M. ...	... Great Trigonometrical Survey ...	22 26 33
Campbell, T. ...	... Topographical and Revenue Survey ...	6 14 ...
Carrington, R. C. ...	... Marine Survey	41 42 43
Carter, F. H. B. ...	... Forests	50 54 56
Carter, P. J. ...	... Ditto	50 54 66
Carter, Capt. T. T. ...	... Great Trigonometrical Survey ...	22 26 ...
Chamarett, A. ...	... Topographical and Revenue Survey ...	3 8 ...
Chapman, M. ...	... Marine Survey	41 42 43
Chennell, A. ...	... Topographical and Revenue Survey ...	3 12 19
Chester, E. G. ...	... Forests	50 54 56
Chew, R. W. ...	... Topographical and Revenue Survey ...	3 8 17
Christie, A. ...	... Great Trigonometrical Survey ...	24 26 33
Clancey, J. C. ...	... Ditto ditto	24 28 31
Clarke, L. H. ...	... Ditto ditto	22 26 ...
Claudius, T. E. M. ...	... Topographical and Revenue Survey ...	3 10 17
Clerk, F. B. ...	... Mysore Survey	34 34 37
Coddington, Capt. F. ...	... Topographical and Revenue Survey ...	2 10 21
Cole, W. H. ...	... Great Trigonometrical Survey ...	22 26 ...
Collins, D. J. ...	... Ditto ditto	24 28 31
Colvin, R. P. ...	... Forests	48 52 ...
Condon, H. B. ...	... Ditto	50 52 70
Connor, E. J. ...	... Great Trigonometrical Survey ...	24 26 19
Connor, J. ...	... Topographical and Revenue Survey ...	5 12 ...
Cooke, G. H. ...	... Ditto ditto	2 12 21
Cooper, A. ...	... Topographical and Revenue Survey ...	3 12 17
Copping, G. R. ...	... Ditto ditto	4 14 19
Corbett, W. D. ...	... Ditto ditto	6 12 ...
Corkery, H. ...	... Great Trigonometrical Survey ...	24 28 31
Cornelius, W. J. ...	... Topographical and Revenue Survey ...	3 12 17
Coussmaker, Capt. M. F. ...	... Mysore Survey	34 34 37
Cowan, Capt. H. S. ...	... Topographical and Revenue Survey ...	2 12 21
Cowie, Capt. D. ...	... Mysore Survey	34 34 37
Cowley, P. A. G. ...	... Topographical and Revenue Survey ...	4 10 ...
Coxen, J. T. U. ...	... Ditto ditto	5 10 ...
Cusson, G. D. ...	... Great Trigonometrical Survey ...	24 26 33

D

D'Arcy, W. E. ...	... Forests	50 54 70
Daly, N. ...	... Ditto	50 52 68
Dansey, E. P. ...	... Ditto	50 54 56
David, C. ...	... Topographical and Revenue Survey ...	4 8 ...
Davis, H. H. ...	... Forests	50 52 56
Dense, C. T. J. ...	... Topographical and Revenue Survey ...	6 14 ...
Depree, Lieut.-Col. G. C. ...	... Ditto ditto	1 8 17
Dickinson, R. R. ...	... Ditto ditto	6 14 ...

GENERAL ALPHABETICAL INDEX.

		PAGES
Dickinson, F. B. ...	... Forests	50 54 68
Dobbs, E. ...	... Ditto	50 54 64
Dodsworth, R. S. ...	... Ditto ... ..	...48 50 52 60
Doran, P. J. W. ...	... Topographical and Revenue Survey	... 3 12 17
Douglas, Capt. W. ...	... Forests ... ..	... 44 48 62
Doveton, Capt. J. C. ...	... Ditto ... ..	...48 52, 62 64
Downman, H. ...	... Topographical and Revenue Survey	... 5 10 ...
Down, E. A. ...	... Forests ... ..	... 50 54 58
Downes, T. ...	... Topographical and Revenue Survey	... 4 14 19
Drew, E. B. M. ...	... Ditto ditto ...	... 6 14 ...
Drysdale, A. T. ...	... Forests ... ..	... 48 52 68
D'Souza, A. ...	... Great Trigonometrical Survey ...	... 22 26 33
Duhan, H. ...	... Ditto ditto ...	... 22 26 ...
Dunne, T. H. ...	... Topographical and Revenue Survey	... 5 12 ...

E

Elliott, C. F. ...	... Forests ... ..	... 50 52 58
Ellis, Staff Comdr. J. H. ...	... Marine Survey ... ..	... 41 42 43
Ellis, R. H. M. ...	... Forests ... ..	... 50 52 60
Ewing, R. C. D. ...	... Topographical and Revenue Survey	... 5 12 ...

F

Falle, P. J. ...	... Marine Survey ... ..	... 41 42 43
Farrell, R. D. ...	... Topographical and Revenue Survey	... 3 10 17
Fedden, F. ...	... Geological Survey ... ..	... 44 44 46
Fee, C. H. McA. ...	... Great Trigonometrical Survey ...	... 24 26 33
Feistmantel, O. ...	... Geological Survey ... ..	... 44 44 46
Fendall, C. E. ...	... Forests ... ..	... 50 52 58
Fernandez, E. E. ...	... Ditto ... ..	... 50 54 62
Ferrars, M. H. ...	... Ditto ... ..	... 50 54 66
Fielding, W. ...	... Great Trigonometrical Survey ...	... 24 26 31
Fisher, W. R. ...	... Forests ... ..	... 50 54 70
Fleming, G. L. ...	... Topographical and Revenue Survey	... 4 14 17
Foote, R. B. ...	... Geological Survey ... ..	... 44 44 46
Ford, C. W. J. ...	... Topographical and Revenue Survey	... 6 14 ...
Ford, P. ...	... Ditto ditto ...	... 5 10 ...
Forrest, E. ...	... Forests ... ..	... 50 52 58
Foster, G. H. ...	... Ditto ... ..	... 50 52 64
Freeman, T. F. ...	... Topographical and Revenue Survey	... 5 12 ...
Fuchs, E. ...	... Forests ... ..	... 50 54 56

G

Gamble, J. S. ...	... Forests ... ..	... 50 54 56
Gaspar, E. H. S. ...	... Topographical and Revenue Survey	... 6 14 ...
Gastrell, H. E. ...	... Ditto ditto ...	... 2 14 21
Gibbs, Lieut. J. E. ...	... Trigonometrical Survey ... ..	... 22 28 33
Gibson, A. J. ...	... Topographical and Revenue Survey	... 5 10 ...
Girdlestone, F. B. ...	... Ditto ditto ...	... 1 10 17
Gore, Lieut. St. G. C. ...	... Great Trigonometrical Survey ...	... 22 28 19
Graham, E. ...	... Topographical and Revenue Survey	... 4 14 17
Grant, A. R. ...	... Forest ... ..	... 50 52 53
Grant, F. ...	... Topographical and Revenue Survey	... 4 8 ...
Grant, Major J. P. ...	... Mysore Survey ... ..	... 34 34 37
Greig, G. ...	... Forests ... ..	... 48 52 56
Greig, O. ...	... Ditto ... ..	... 50
Gwynne, N. C. ...	... Great Trigonometrical Survey ...	... 24 26 31

H

Hacket, C. A. ...	... Geological Survey ... ..	... 44 44 46
Haig, Major C. T. ...	... Great Trigonometrical Survey ...	... 22 26 33
Hall, G. T. ...	... Ditto ditto ...	... 24 28 31

GENERAL ALPHABETICAL INDEX.

		PAGES
Hamer, C. F.	... Topographical and Revenue Survey	3 10 19
Haumond, Navg. Lieut. G. C.	... Marine Survey	41 42 43
Hanby, H. T.	... Topographical and Revenue Survey	5 10 ...
Harman, Lieut. H. J.	... Great Trigonometrical Survey	22 28 31
Heaviside, Capt. W. J.	... Ditto ditto	22 26 33
Heberlet, P. E.	... Topographical and Revenue Survey	6 14 ...
Hennessey, J. B. N.	... Great Trigonometrical Survey	22 26 ...
Hera Lall	... Geological Survey	44 44 46
Herschel, Capt. J.	... Great Trigonometrical Survey	22 26 ...
Hickie, J.	... Ditto ditto	24 26 33
Hicks, F. C.	... Forests	50 52 68
Hill, E. P. S.	... Topographical and Revenue Survey	6 14 ...
Hill, G. W.	... Marine Survey	41 42 43
Hill, H. C.	... Forests	50 54 ...
Hill, Capt. J.	... Great Trigonometrical Survey	22 26 ...
Hillier, W. S.	... Forests	50 52 60
Hobday, Lieut. J. R.	... Topographical and Revenue Survey	2 14 17
Holdich, Lieut. T. H.	... Ditto ditto	2 12 17
Home, A. L.	... Forests	48 52 56
Hooper, E. D. M.	... Ditto	50 54 62
Horst, H.	... Topographical and Revenue Survey	2 8 17
Housden, G.	... Topographical and Revenue Survey	4 8 ...
Hughes, J. O.	... Great Trigonometrical Survey	24 28 31
Hughes, T. W. H.	... Geological Survey	44 44 46
Hutchins, D. E.	... Ditto	50 54 ...
Hutchinson, Capt. H. S.	... Topographical and Revenue Survey	2 12 21

J

Jackson, E. J.	... Topographical and Revenue Survey	2 12 21
Jacob, W.	... Forests	48 52 64
James, A.	... Topographical and Revenue Survey	3 12 17
James, J. O. N.	... Ditto ditto	1 8 17
James, W. E. A.	... Mysore Survey	34 34 37
Jarbo, G. W.	... Topographical and Revenue Survey	5 12 ...
Jarrad, Navg. Lieut. F. W.	... Marine Survey	41 42 43
Jarrett, Capt. H. C. T.	... Forests	48 52 68
Jellicoe, J. T.	... Ditto	50 54 68
Johnson, E. T. S.	... Topographical and Revenue Survey	2 8 21
Johnstone, Col. H. C.	... Ditto ditto	1 8 21
Johnstone, W.	... Forests	50 54 56

K

Keating, J.	... Great Trigonometrical Survey	24 28 ...
Keelan, H. E. T.	... Ditto ditto	22 26 33
Kelly, F. W.	... Topographical and Revenue Survey	4 10 ...
Kelly, W. M.	... Ditto ditto	4 14 19
Kennedy, J. M.	... Great Trigonometrical Survey	24 28 ...
King, D. A.	... Topographical and Revenue Survey	5 12 ...
King, W.	... Geological Survey	44 44 46
King, W.	... Forests	50 52 68
Kinney, T.	... Great Trigonometrical Survey	24 26 31
Kissen Sing	... Geological Survey	44 44 46
Kitchen, A.	... Topographical and Revenue Survey	4 14 19
Kitchen, F.	... Ditto ditto	3 12 19
Kitchen, H. T.	... Ditto ditto	3 12 19
Knight, G. A.	... Ditto ditto	4 14 17
Kraal, C. S.	... Ditto ditto	6 14 ...

L

Lane, W.	... Topographical and Revenue Survey	1 8 21
Lane, W. J.	... Ditto ditto	5 12 31
Lasseron, E. W.	... Great Trigonometrical Survey	24 28 31
Lawrence, Capt. J. B.	... Mysore Survey	34 34 37

GENERAL ALPHABETICAL INDEX.

		PAGES
Lawson, A. M. ...	... Topographical and Revenue Survey ...	5 10 ...
Leach, Lieut. E. P. ...	... Ditto ditto ...	2 14 19
Leeds, H. ...	... Forests ...	48 52 ...
Lemarchand, A. C. W. ...	... Topographical and Revenue Survey ...	5 12 ...
LeMarchand, F. O. ...	... Forests ...	50 52 58
Lilley, W. H. ...	... Topographical and Revenue Survey ...	3 12 19
Lincoln, E. W. ...	... Ditto ditto ...	5 12 ...
Lincoln, W. J. ...	... Ditto ditto ...	6 12 ...
Litchfield, E. F. ...	... Great Trigonometrical Survey ...	24 26 31
Little, E. ...	... Topographical and Revenue Survey ...	5 10 ...
Littlewood, H. R. ...	... Ditto ditto ...	4 10 ...
Loftie, E. ...	... Ditto ditto ...	4 8 ...
Losack, Capt. C. W. ...	... Forests ...	48 52 62
Low, J. ...	... Great Trigonometrical Survey ...	22 26 31
Ludlow, E. ...	... Forests ...	48 52 68
Lydekker, R. ...	... Geological Survey ...	44 44 46

M

Macdonald, Major D. ...	... Topographical and Revenue Survey ...	2 10 21
Macdonald, Lieut.-Col. J. ...	... Ditto ditto ...	1 8 21
MacDonell, J. C. ...	... Forests ...	48 52 56
Macdougall, J. W. ...	... Great Trigonometrical Survey ...	24 26 19
Macintyre, Lieut. A. H. ...	... Mysore Survey ...	34 34 37
Mackay, J. S. ...	... Forests ...	50 52 ...
Mackenzie, Capt. G. ...	... Mysore Survey ...	34 34 37
Macpherson, J. ...	... Forests ...	48 52 ...
Madras, S. O. ...	... Topographical and Revenue Survey ...	5 12 ...
Major, Capt. F. W. ...	... Mysore Survey ...	34 34 37
Mallet, F. R. ...	... Geological Survey ...	44 44 46
Mann, G. ...	... Forests ...	48 52 70
Manson, F. B. ...	... Ditto ...	50 54 56
Martin, E. J. ...	... Topographical and Revenue Survey ...	6 12 ...
Martin, Lieut. G. W. ...	... Ditto ditto ...	2 14 21
May, J. A. ...	... Ditto ditto ...	3 10 17
McCally, Capt. A. ...	... Mysore Survey ...	34 34 37
McCarthy, J. F. ...	... Great Trigonometrical Survey ...	24 28 31
McCay, J. ...	... Topographical and Revenue Survey ...	3 14 17
McCullagh, Capt. J. R. ...	... Great Trigonometrical Survey ...	22 26 19
McGill, G. A. ...	... Topographical and Revenue Survey ...	3 8 17
McGill, J. ...	... Great Trigonometrical Survey ...	22 26 31
McHatton, J. ...	... Topographical and Revenue Survey ...	5 12 ...
McKee, J. ...	... Forests ...	50 52 62
McNair, W. W. ...	... Topographical and Revenue Survey ...	3 12 19
Medlicott, H. B. ...	... Geological Survey ...	44 44 46
Meiklejohn, G. F. ...	... Mysore Survey ...	34 34 37
Mein, A. J. ...	... Forests ...	50 54 70
Minniken, G. G. ...	... Ditto ...	50 52 60
Mitchell, J. W. ...	... Great Trigonometrical Survey ...	24 26 31
Mohi-u-din, Shaik ...	... Forests ...	50 52 58
Moir, E. McA. ...	... Ditto ...	48 50 52 70
Montgomerie, Lieut.-Col. T. G. ...	... Great Trigonometrical Survey ...	22 26 ...
Moore, H. ...	... Forests ...	50 54 62
Murphy, J. ...	... Topographical and Revenue Survey ...	6 12 ...
Murray, J. ...	... Ditto ditto ...	4 14 19
Murray, Capt. W. G. ...	... Ditto ditto ...	1 8 17

N

Nepean, C. F. ...	... Forests ...	50 52 66
Neuville, C. J. ...	... Great Trigonometrical Survey ...	22 26 31
Newland, J. ...	... Topographical and Revenue Survey ...	5 10 ...
Nisbett, J. ...	... Forests ...	50 54 66
Norman, C. ...	... Great Trigonometrical Survey ...	24 28 33
Norman, S. F. ...	... Ditto ditto ...	24 28 33

GENERAL ALPHABETICAL INDEX.

O

		PAGES
Oakes, Lieut.-Col. R. E.	... Topographical and Revenue Survey ...	1 10 21
O'Callaghan, I. E. ...	... Forests ...	48 52 58
O'Donel, G. H. ...	... Topographical and Revenue Survey ...	6 14 ...
O'Donel, J. H. ...	... Ditto ditto ...	5 10 ...
Ogle, M. J. ...	... Ditto ditto ...	3 10 19
Oldham, W. ...	... Great Trigonometrical Survey ...	24 28 31
Oliver, J. W. ...	... Forests ...	50 54 66
O'Sullivan, W. ...	... Great Trigonometrical Survey ...	24 26 31
O'Toole, J. ...	... Topographical and Revenue Survey ...	6 12 ...

P

Palmer, C. W. ...	... Forests ...	50 54 58
Parker, G. E. ...	... Topographical and Revenue Survey ...	6 14 ...
Patterson, W. H. ...	... Ditto ditto ...	4 8 ...
Pearson, Lieut.-Col. G. F.	... Forests ...	48 52 ...
Pemberton, Capt. C. C.	... Berar Survey ...	38 38 39
Pemberton, J. S. ...	... Topographical and Revenue Survey ...	4 10 ...
Pengelly, A. ...	... Forests ...	48 50 52 56
Penrose, W. H. ...	... Topographical and Revenue Survey ...	6 14 ...
Peters, P. A. ...	... Ditto ditto ...	6 14 ...
Petley, Navg. Sub-Lieut. E. W.	... Marine Survey ...	41 42 43
Pettigrew, W. F. ...	... Topographical and Revenue Survey ...	3 12 17
Psychers, H. ...	... Great Trigonometrical Survey ...	24 26 ..
Peyton, J. ...	... Ditto ditto ...	22 26 31
Pocock, J. ...	... Ditto ditto ...	24 28 31
Pocock, L. J. ...	... Ditto ditto ...	24 26 19
Ponsonby, C. J. ...	... Forests ...	48 52 60
Popert, E. P. ...	... Ditto ...	50 54 66
Potter, C. D. ...	... Great Trigonometrical Survey ...	24 26 31
Powell, B. H. B. ...	... Forests ...	48 52 ...
Prevost, G. F. ...	... Ditto ...	50 54 70
Price, Capt. R. L. ...	... Mysore Survey ...	34 34 37
Price, W. C. ...	... Great Trigonometrical Survey ...	24 26 31
Pullan, Capt. A. ...	... Ditto ditto ...	22 26 31
Pranty, P. F. ...	... Ditto ditto ...	24 28 31

R

Rae, G. ...	... Topographical and Revenue Survey ...	4 10 ...
Ram Singh ...	... Geological Survey ...	44 44 46
Reilly, T. W. ...	... Topographical and Revenue Survey ...	5 10 ...
Rendell, T. H. ...	... Great Trigonometrical Survey ...	24 26 33
Reynolds, W. H. ...	... Forests ...	50 52 ...
Ribbentrop, B. ...	... Ditto ...	48 52 66
Richardson, G. A. ...	... Ditto ...	50 52 56
Riddell, Capt. R. V. ...	... Topographical and Revenue Survey ...	1 10 19
Rigby, W. ...	... Forests ...	48 50 52 58
Rind, L. A. W. ...	... Ditto ...	50 52 58
Ring, H. R. ...	... Ditto ...	50 52 68
Robert, W. ...	... Topographical and Revenue Survey ...	3 14 19
Rogers, Capt. M. W. ...	... Great Trigonometrical Survey ...	22 26 31
Ross, P. S. ...	... Topographical and Revenue Survey ...	6 14 ...
Rossenrode, W. C. ...	... Great Trigonometrical Survey ...	22 26 31
Rutherford, Capt. J. ...	... Mysore Survey ...	34 34 37
Ryall, E. C. ...	... Great Trigonometrical Survey ...	22 26 31

S

Samuells, Capt. E. W. ...	... Topographical and Revenue Survey ...	2 10 21
Sandeman, Capt. J. E. ...	... Ditto ditto ...	2 12 21
Scanlan, C. A. R. ...	... Ditto ditto ...	3 10 ...
Schlich, W. ...	... Forests ...	48 52 56

GENERAL ALPHABETICAL INDEX.

			PAGES
Seonce, Major J. ...	... Topographical and Revenue Survey	...	1 10 21
Scott, Lieut. A. J. C. ...	... Ditto ditto ...	...	2 14 21
Scott, G. B. ...	... Ditto ditto ...	...	6 10 ...
Scott, G. L. R. ...	... Ditto ditto ...	...	6 12 ...
Scott, J. R. ...	... Ditto ditto ...	...	5 12 ...
Seaton, Major W. J. ...	... Forests ...	...	48 52 66
Seyers, C. W. F. ...	... Topographical and Revenue Survey	...	5 12 ...
Shakespeare, W. ...	... Forests ...	...	50 52 70
Shaw, T. ...	... Topographical and Revenue Survey	...	6 14 ...
Sinclair, W. ...	... Ditto ditto ...	...	4 8 ...
Slym, M. J. ...	... Forests ...	...	48 52 66
Smart, A. D. ...	... Topographical and Revenue Survey	...	4 14 ...
Smart, A. W. ...	... Ditto ditto ...	...	6 14 ...
Smart, R. B. ...	... Ditto ditto ...	...	1 8 21
Smart, R. B. ...	... Ditto ditto ...	...	5 10 ...
Smith, Capt. H. L. ...	... Ditto ditto ...	...	2 42 21
Smith, W. J. ...	... Ditto ditto ...	...	5 12 ...
Smylie, S. M. ...	... Ditto ditto ...	...	4 10 ...
Smythies, A. ...	... Forests ...	...	50 54 ...
Sparling, E. ...	... Ditto ...	...	48 52 58
Steel, Capt. E. H. ...	... Topographical and Revenue Survey	...	2 12 21
Stenhouse, Lt. Col. W. ...	... Forests ...	...	48 52 58
Stewart, A. ...	... Ditto ...	...	50 52 60
Stotesbury, W. ...	... Topographical and Revenue Survey	...	3 12 19
Strahan, Capt. C. ...	... Ditto ditto ...	...	1 10 17
Strahan, Capt. G. ...	... Ditto ditto ...	...	1 10 19
Stratford, G. ...	... Forests ...	...	50 52 66
Strettell, G. W. ...	... Ditto ...	...	48 52 66
Swiney, G. C. ...	... Topographical and Revenue Survey	...	5 12 ...
Swiney, J. S. ...	... Ditto ditto ...	...	5 12 ...
Schaumburg, J. ...	... Geological Survey ...	...	44 44 46

T

Talbot, H. B. ...	... Topographical and Revenue Survey	...	2 8 21
Tanner, Major H. C. B. ...	... Ditto ditto ...	...	2 10 21
Tapsell, C. ...	... Ditto ditto ...	...	3 12 19
Taylor, Comdr. A. D. ...	... Marine Survey ...	...	41 42 43
Templeton, C. T. ...	... Topographical and Revenue Survey	...	3 14 17
Theobald, W. ...	... Geological Survey ...	...	44 44 46
Thomas, W. P. ...	... Forests ...	...	50 52 64
Thompson, R. H. E. ...	... Ditto ...	...	48 52 64
Thuillier, Col. H. L. ...	... Topographical and Revenue Survey	...	1 ... 17
Thuillier, Capt. H. R. ...	... Great Trigonometrical Survey ...	...	22 26 31
Todd, H. ...	... Ditto ditto ...	...	24 26 31
Todd, J. ...	... Topographical and Revenue Survey	...	4 10 ...
Todd, R. ...	... Ditto ditto ...	...	3 10 19
Todd, W. ...	... Great Trigonometrical Survey ...	...	22 26 31
Torrans, C. P. ...	... Ditto ditto ...	...	24 26 31
Trotter, Capt. H. ...	... Ditto ditto ...	...	22 26 ...
Turner, T. H. ...	... Geological Survey ...	...	44 44 46
Tween, A. ...	... Ditto ...	...	44 44 46

V

Vander Beek, G. ...	... Topographical and Revenue Survey	...	4 14 17
Vanderputt, J. A. ...	... Ditto ditto ...	...	3 8 17
Vaurenen, Lt. Col. A. D. ...	... Ditto ditto ...	...	1 8 21
Vanrenen, Col. D. C. ...	... Ditto ditto ...	...	1 8 21
Vansomeran, Capt. G. J. ...	... Forests ...	...	48 52 68
Vincent, F. d'A. ...	... Ditto ...	...	50 54 58
Vyall, W. R. ...	... Topographical and Revenue Survey	...	4 8 ...

GENERAL ALPHABETICAL INDEX.

W

		PAGES
Wainright, E. A. ...	... Topographical and Revenue Survey ...	3 12 19
Walker, Col. J. T. ...	... Great Trigonometrical Survey ...	22 26 ...
Warde, F. E. ...	... Topographical and Revenue Survey ...	3 14 19
Warwick, R. F. ...	... Great Trigonometrical Survey ...	24 28 31
Waterhouse, Capt. J.	... Topographical and Revenue Survey ...	1 12 17
White, P. ...	... Ditto ditto ...	4 14 19
Whittall, R. H. C. ...	... Forests ...	50 54 66
Wild, A. E. ...	... Ditto ...	48 50 52 66
Wilkins, Capt. W. H.	... Topographical and Revenue Survey ...	2 10 21
Wilmer, Capt. J. R.	... Ditto ditto ...	2 14 19
Wilmot, S. E. ...	... Forests ...	50 54 60
Wilson, A. J. ...	... Topographical and Revenue Survey ...	3 10 17
Wilson, B. M. ...	... Ditto ditto ...	6 14 ...
Wilson, C. W. ...	... Ditto ditto ...	5 12 ...
Wilson, J. H. ...	... Ditto ditto ...	3 12 17
Wilson, W. A. ...	... Ditto ditto ...	4 10 ...
Willson, W. L. ...	... Geological Survey ...	44 44 46
Wood, C. ...	... Great Trigonometrical Survey ...	22 26 ...
Wood, Capt. E. S. ...	... Forests ...	48 52 60
Woodthorpe, Lieut. R. G.	... Topographical and Revenue Survey ...	2 14 19
Wrixon, E. P. ...	... Great Trigonometrical Survey ...	24 26 31
Wyatt, A. G. ...	... Topographical and Revenue Survey ...	3 10 17
Wynne, A. B. ...	... Geological Survey ...	44 44 46

Y

Young, H. G. Topographical and Revenue Survey ...	6 14 ...
------------------	--	----------