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

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

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
	<b>ADMINISTRATIVE STAFF.</b>			Rs. A. P.	
1	1 Col. H. L. Thuillier, C. S. I., F. R. S.	Surv. Genl. of India and Supdt. of Topo- graphical Surveys ...	... ..	3,000 0 0	
1	1 Col. D. C. Vanrenen, B. A., P. H.	Dy. Surv. Genl. and Supdt. of Revenue Surveys ...	... ..	2,265 10 0	
2	1 J. O. N. James, Esq. ...	Asst. Surv. Genl. ...	... ..	1,000 0 0	
2	2 Capt. J. Waterhouse, S. C. ...	Ditto ...	... ..	1,000 0 0	Offg. Dy. Supdt., 3rd grade, from the 26th March 1875.
	<b>TOPOGRAPHICAL SURVEY DEPARTMENT.</b>				
	<b>SENIOR BRANCH.</b>				
1	... Dy. Supdt., 1st grade, maxm. salary Rs. 1,600, plus pay proper to Engr. Officers.				
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	... Dy. Supdts., 2nd grade, maxm. salary Rs. 1,300, plus pay proper to Engr. Officers.				
	Capt. Geo. Strahan, B. E., P. H.	Ditto ...	No. 8, or Nundydroog Divi- sion, Mysore Survey ...	1,383 10 0	
	Maj. H. H. Godwin-Austen, S. C., P. H.	Ditto ...	... ..	..... <sup>a</sup>	On furlough, p. a.
2	... Dy. Supdts., 3rd grade, maxm. salary Rs. 1,000, plus pay proper to Engr. Officers.				
1	1 Capt. R. V. Riddell, R. E., P. H. ...	Dy. Supdt., 3rd grade	On duty at Head Quarters ...	1,140 0 0	Retd. from furlough 12th Sep. 1876.
2	1 Capt. Charles Strahan, B. E. ...	Ditto ...	No. 1, or Gwalior and C. I. Survey ...	1,140 0 0	
	J. O. N. James, Esq. ...	Ditto ...	... ..	.....	See Administrative Staff.
	F. B. Girdlestone, Esq. ...	Ditto ...	... ..	.....	
	<b>REVENUE SURVEY DEPARTMENT.</b>				
	<b>SENIOR BRANCH.</b>				
3	... Dy. Supdts., 1st grade, maxm. salary Rs. 1,600, plus pay proper to Engr. Officers.				
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	
3	... Dy. Supdts., 2nd grade, maxm. salary Rs. 1,300, plus pay proper to Engr. Officers.				
	5 Lt.-Col. A. D. Vanrenen, S. C., P. H.	Dy. Supdt., 2nd grade	... ..	.....	On furlough, p. a., 2 years, 1st Dec. 1873, extended 12 months.
	Lt.-Col. R. E. Oakes, S. C., P. H.	Ditto ...	... ..	.....	On furlough, p. a., 2 years, 23rd March 1876.
1	1 R. B. Smart, Esq. ...	Ditto ...	7th or Hamirpur Dist. Sur- vey, N. W. P. ...	1,200 0 0	
2	2 Major J. Sconce, S. C., P. H. ...	Ditto ...	8th or Western Soane Irrigation Survey, District Sahabad, Behar	1,300 0 0	
3	3 W. Lane, Esq. ...	Ditto ...	12th or Midnapore District Sur- vey ...	1,200 0 0	

(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. Further extension for 4 months on medical certificate.

*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.
				Rs. A. P.	
<b>REVENUE SURVEY DEPARTMENT.</b>					
<b>SENIOR BRANCH—contd.</b>					
4	<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	
2	Capt. F. Coddington, s. c., P. H. Capt. W. Barron, s. c., P. H.	Ditto ...	4th or Moradabad and Budaun Dists. Survey, N. W. P. ...	1,000 0 0	Offg. in the 2nd grade, On furlough, p. a., 2 years, 26th Mar. 1876.
3	Major H. C. B. Tanner, Bombay s. c., P. H. E. T. S. Johnson, Esq.	Ditto ...	6th or Eastern Soane Irrigation Surv., Dist. Gya, Behar ...	1,000 0 0	On furlough, p. a., for 6 months, from 25th August 1876.
<b>TOPOGL. AND REVENUE SURVEY DEPTS.</b>					
<b>SENIOR BRANCH.</b>					
6	<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 Depy. 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 privilege leave for 3 months, from 26th July 1876.
5	„ W. F. Badgley, s. c., P. H.	Ditto ...	No. 6, or Khasi and Garo Hills Survey ...	1,000 0 0	Offg. 3rd grade.
6	„ J. E. Sandeman, s. c., P. H.	Ditto ...	... ..	750 0 0	On special duty, Dhanest Estate Survey.
7	Lieut. T. H. Holdich, R. E., L. S.	Ditto ...	In charge No. 3, or Central Provinces and Vizagapatam Agency Survey ...	1,065 12 0	Offg. as 3rd grade Dy. Supdt. since 20th March 1875. See Administrative Staff.
8	Capt. J. Waterhouse, s. c., P. H. H. Horst, Esq.	Asst. Supdt., 1st grade	In charge No. 2, or Khandesh and Bombay Native States Survey	750 0 0	On furlough, p. a., 2 years, 24th April 1876.
9	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.
10	Capt. J. R. Wilmer, s. c., H. S.	Ditto ...	In charge No. 5, Topographical Party, Bhopal and Malwa Survey	750 0 0	
6	<i>Asst. Supdts., 2nd grade, maxm. salary Rs. 600, plus pay proper to Engr. Officers.</i>				
1	Capt. H. S. Hutchinson, s. c., P. H.	Asst. Supdt., 2nd grade	11th or 2nd Deccan Topogl. Survey, Bombay ...	749 1 6	On furlough, p. a. and m. c., 1 year, 10th July 1875. Estimated 4 months. Rs. 148-1-6 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 Dera Ismail Khan Dist. Survey, Punjab ...	624 1 6	Ditto.
6	Lieut. R. G. Woodthorpe, R. E., L. S.	Ditto ...	No. 6, or Khasi and Garo Hills	670 0 0	
7	„ E. P. Leach, R. E., L. S.	Ditto ...	No. 7, or Rajpootana Survey	670 0 0	Snpernumerary.
8	H. E. Gastrell, Esq., L. S.	Ditto ...	5th or Banda Dist., N. W. P. ...	600 0 0	
9	G. H. Cooke, Esq., L. S.	Ditto ...	2nd or Gurgaon Dist. Survey, Punjab ...	600 0 0	Snpernumerary.
7	<i>Asst. Supdts., 3rd grade, maxm. salary Rs. 500, plus pay proper to Engr. Officers.</i>				
	<i>Civil Officers—Rs. 400.</i>				
	Lieut. G. W. Martin, s. c., H. S.	Asst. Supdt., 3rd grade	... ..	... ..	On furlough, p. a., 2 years 15th Nov. 1875.
1	Lieut. A. J. C. Scott, s. c., H. S.	Ditto ...	4th or Moradabad and Budaun Dist. Survey, N. W. P. ...	500 0 0	
	Lieut. J. R. Hobday, s. c., H. S.	Ditto ...	No. 8, or Nundydroog Divn., Mysore Survey ...	500 0 0	
3 to 7	V. want.				

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

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
TOPOGRAPHICAL SURVEY DEPARTMENT.				Rs. A. P.	
JUNIOR BRANCH.					
SURVEYORS.					
3	1st grade—Salary Rs. 500.				
1	Mr. N. A. Belletty, L. s.	Surveyor, 1st grade ...	On duty at Head-Quarters ...	500 0 0	
8	" J. F. Baness	Ditto ...	Chief Draftsman, Head-Quarters Office ...	600 0 0	Supernumerary.
2	" A. Chamarett	Ditto ...	On duty at Head-Quarters Office ...	a 500 0 0	(a) Exclusive of Rs. 45 as Presidency house-rent.
3	" H. J. Bolst	Ditto ...	No. 1, or Gwalior & C. I. Surv.	500 0 0	
4	2nd grade—Salary Rs. 400.				
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. 5, or Bhopal & Malwa Surv.	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. 8, or Nundydroog Division, Mysore Survey ...	400 0 0	
3	3rd grade—Salary Rs. 350.				
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	4th grade—Salary Rs. 300.				
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. 8, or Nundydroog Division, Mysore Survey ...	300 0 0	
8	" E. S. P. Atkinson	Ditto ...	.....	.....	Subsidiary leave for 1 month, from 28th June, and (urlough to Europe for 1 year, from 28th July 1876.
3	" M. J. Ogle	Ditto ...	No. 6, or Khasi and Garo Hills Survey ...	300 0 0	
4	" A. G. Wyatt	Ditto ...	No. 2, or Khandesh & Bombay Native States Survey ...	300 0 0	
ASSISTANT SURVEYORS.					
9	1st grade—Salary Rs. 250.				
1	Mr. C. F. Hamer	Asst. Survr., 1st grade	No. 5, or Bhopal & Malwa Surv.	250 0 0	
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. Tapsoll	Ditto ...	No. 7, or Rajpootana and Simla Survey ...	250 0 0	
6	" A. James	Ditto ...	No. 8, or Nundydroog Division, Mysore Survey ...	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 Nundydroog Division, Mysore Survey ...	250 0 0	
9	" W. Stotesbury	Ditto ...	Ditto ditto ...	250 0 0	
9	2nd grade—Salary Rs. 200.				
1	Mr. J. A. Barker	Asst. Survr., 2nd grade	No. 8, or Nundydroog Division, Mysore Survey ...	200 0 0	
2	" E. A. Wainright	Ditto ...	No. 5, or Bhopal & Malwa Surv.	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 Nundydroog Division, Mysore Survey ...	200 0 0	
5	" W. F. Pettigrew	Ditto ...	No. 3, or C. P. and Vizagapatam Agency Survey ...	200 0 0	
6	" P. J. W. Doran, L. s.	Ditto ...	No. 1, or Gwalior & C. I. Surv.	200 0 0	
7	" H. T. Kitchen	Ditto ...	No. 5, or Bhopal & Malwa Surv.	200 0 0	
8	" A. Cooper	Ditto ...	No. 3, or C. P. and Vizagapatam Agency Survey ...	200 0 0	
9	" J. H. Wilson, L. s.	Ditto ...	No. 4, or N. E. Divn., C. P. Surv.	200 0 0	Served previously in the Pegu Survey from 22nd Jan. 1863.
9	3rd grade—Salary Rs. 160.				
1	Mr. W. H. Lilley	Asst. Survr., 3rd grade	No. 5, or Bhopal & Malwa Surv.	160 0 0	
2	" W. Robert	Ditto ...	No. 6, or Khasi & Garo Hills Survey ...	160 0 0	
3	" F. E. Warde	Ditto ...	No. 2, or Khandesh and Bombay Native States 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. Barchley	Ditto ...	.....	.....	Special sick leave to Eur. from 11th Apl. 1876 for 8 months granted extension for 4 months, vide R. A. and C. Dept. No. 720, dated 4th September 1876.
6	} Vacant.				
6					
9					

*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.	
<b>TOPOGRAPHICAL SURVEY DEPARTMENT.</b>					Rs. A. P.	
<b>JUNIOR BRANCH.</b>						
<b>ASSISTANT SURVEYORS—contd.</b>						
8	<i>4th grade—Salary Rs. 120.</i>					
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. 8, or Nundydroog Division, Mysore Survey	120 0 0		
6	,, T. Downes ...	Proby. Asst. Survr., 4th grade	No. 2, or Khandesh and Bombay Native States Survey	120 0 0		
7	,, E. Graham, L. S. ...	Ditto ...	Ditto ditto	120 0 0		
8	,, G. L. Fleming ...	Ditto ...	No. 8, or Nundydroog Division, Mysore Survey	120 0 0		
9	,, G. R. Copping ...	Ditto ...	No. 5, or Bhopal & Malwa Surv.	120 0 0		
10	,, G. A. Knight ...	Ditto ...	No. 8, or Nundydroog Division, Mysore Survey	120 0 0		
11	,, Duncan Campbell ...	Ditto ...	No. 3, or Central Provinces and Vizagapatam Agency Survey	120 0 0		
<b>REVENUE SURVEY DEPT.</b>						
<b>JUNIOR BRANCH.</b>						
<b>SURVEYORS.</b>						
2	<i>1st grade—Salary Rs. 500.</i>					
1	Mr. George Housden ...	Rev. 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 Komrap Lakhiraj Holdings Survey. Exclusive of Assam and deputation allowance Rs. 100.	
4	<i>2nd grade—Salary Rs. 400.</i>					
5	Mr. Frederick William Kelly, H. S.	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 Banda District 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 Surv., District Shahabad, Behar	400 0 0		
8	<i>3rd grade—Salary Rs. 350.</i>					
1	Mr. William Sinclair ...	Surveyor, 3rd grade...	4th or Moradabad and Budaun Districts Survey, N. W. P.	350 0 0		
2	,, Constantine Brownfield, L. S.	Ditto ...	Khoordah Estate Survey, Orissa	350 0 0		
5	,, Arthur David Smart ...	Ditto ...	...	350 0 0	Supernumerary.—Doing duty in Head-Quarters Office.	
5	,, Robert Barclay ...	Ditto ...	...	.....	S. leave for 21 months, from 4th March 1878.	
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.	
8	Vacant.					
14	<i>4th grade—Salary Rs. 300.</i>					
1	Mr. Jas. Stewart Pemberton, L. S.	Surveyor, 4th grade...	2nd or Gurgaon District Survey, Punjab	300 0 0		
2	,, William Robert Vvall ...	Ditto ...	Khoordah Estate 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 Dearah 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 October 1876—continued.

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
<b>REVENUE SURVEY DEPARTMENT.</b>					<b>Rs. A. P.</b>
<b>JUNIOR BRANCH.</b>					
<b>SURVEYORS.</b>					
<i>4th grade—contd.</i>					
6	Mr. George Robert Buttress ...	Surveyor, 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 Topographical 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. Survey, Bombay ...	300 0 0	Ditto ditto.
9	„ Andrew John Gibson ...	Ditto ...	1st or Dera Ismail Khan District Survey, Punjab ...	300 0 0	Exclusive of Rs. 15, half-scale local allowance whilst 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 Moradabnd and Budaun Dists. Surv., N. W. P. ...	300 0 0	
13	„ George Batley Scott, L. s. ...	Ditto ...	Dhanwar Estate Survey ...	300 0 0	
14	Vacant.				
<b>ASSISTANT SURVEYORS.</b>					
<i>1st grade—Salary Rs. 250.</i>					
6	1 Mr. James Hoppner O'Donel ...	Asst. 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 ...	... ..	.....	Temporarily transferred to Chumba Settlement Survey.
8	„ James Connor ...	Ditto ...	... ..	250 0 0	} Supernumerary.—Doing duty in Head-Quarters Office.
8	„ Thomas Henry Dunne, L. s.	Ditto ...	... ..	250 0 0	
4	„ William James Lane ...	Ditto ...	9th or Azamgarh Dist. Surv., N. W. P. ...	250 0 0	
5 & 6	Vacant.				
<i>2nd grade—Salary Rs. 200.</i>					
11	1 Mr. John Thomas Uniacke Coxen	Asst. Survr., 2nd grade	11th or 2nd Deccan Topogl. Survey, 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	Ditto ditto.
3	„ Richard Cunningham Dundee Ewing, L. s. ...	Ditto ...	14th or Ganges Dearah Surv., Bengal ...	200 0 0	
4	„ George William Jarbo, L. s.	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 Budaun Dists. Surv., N. W. P. ...	200 0 0	
9	„ Thomas Frederick Freeman, L. s.	Ditto ...	7th or Hamirpur Dist., Survey, N. W. P. ...	200 0 0	
10	„ Edward Wrafter Lincoln ...	Ditto ...	8th or Western Soane Irrigation Surv., Dist. Shahabad, Behar ...	200 0 0	
11	„ George Carleton Swiney ...	Ditto ...	12th or Midnapore Dist. Surv., Bengal ...	200 0 0	
<i>3rd grade—Salary Rs. 160.</i>					
15	1 Mr. Charles Walker Wilson, L. s.	Asst. 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. 9-9-7
4	„ John Sidney Swiney ...	Ditto ...	6th or Eastern Soane Irrigation Surv., Gya, Behar ...	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 October 1876—concluded.*

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
	<b>REVENUE SURVEY DEPARTMENT.</b>			Rs. A. P.	
	<b>JUNIOR BRANCH.</b>				
	ASSISTANT SURVEYORS.				
	3rd grade—continued.				
5	Mr. George Latter Rodway Scott, L. s. ...	Asst. Surveyor, 3rd grade ...	6th or Agra District Survey, N. W. P. ...	160 0 0	
8	„ James O’Toole ...	Ditto ...	... ..	.....	On s. leave for 9 months, from 7th May 1876.
6	„ William Joseph Lincoln, L. s. ...	Ditto ...	4th or Moradabad and Budaun Dists. Surv., N. W. P. ...	160 0 0	
7	„ Benjamin Anderson, L. s. ...	Ditto ...	2nd or Gurgaon Dist. Survey, Punjab ...	160 0 0	
8	„ Thomas Shaw, L. s. ...	Ditto ...	8th or Western Soane Irri. Surv., Dist. Shahabad, Behar ...	160 0 0	
9	„ William Henry Penrose, L. s. ...	Ditto ...	11th or 2nd Deccan Topog. Survey, Bombay ...	160 0 0	Exclusive of half-scale local allowance Rs. 9-6-7.
10	„ Edmund James Martin ...	Ditto ...	6th or Eastern Soane Irri. Surv., Dist. Gya, Behar ...	160 0 0	
11	„ William Dease Corbett ...	Ditto ...	7th or Hamirpur Dist. Surv., N. W. P. ...	160 0 0	
12	„ George Edwin Parker ...	Ditto ...	12th or Midnapore Dist. Surv., Bengal ...	160 0 0	
13	„ George Campbell ...	Ditto ...	7th or Hamirpur Dist. Surv., N. W. P. ...	160 0 0	
14	} Vacant.				
15					
	<b>PROBATIONARY ASST. SURVEYORS.</b>				
	4th grade—Salary Rs. 120.				
1	Mr. John Murphy ...	Proby. Asst. 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 Budaun 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 Estate Survey, Orissa ...	120 0 0	
7	„ Bruce Macdonald Wilson ...	Ditto ...	12th or Midnapore District Survey, Bengal ...	120 0 0	
8	„ Elliot Playfair Smyth Hill ...	Ditto ...	4th or Moradabad and Budaun Dists. Survey, N. W. P. ...	120 0 0	
9	„ Edmund Hume Stephen Gasper ...	Ditto ...	12th or Midnapore District Survey, Bengal ...	120 0 0	
10	„ 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.
11	„ Thomas Anderson ...	Ditto ...	9th or Azangarh Dist. Survey, N. W. P. ...	120 0 0	
12	„ Edward Bolderodi Montebello Drew ...	Ditto ...	5th or Banda District Survey, N. W. P. ...	120 0 0	
13	„ Paul Agabeg Peters, L. s. ...	Ditto ...	1st or Dera Ismail Khan District Survey, Punjab ...	120 0 0	Exclusive of Rs. 10-13-9, half-scale local allowance which in the field.
14	„ Henry Reed Adels ...	Ditto ...	14th or Ganges Dearah Survey, Bengal ...	120 0 0	
15	„ Charles Samuel Kraal ...	Ditto ...	2nd or Gurgaon Dist. Survey, Punjab ...	120 0 0	
16	„ Conly Thomas James Dease ...	Ditto ...	7th or Hamirpur Dist. Survey, N. W. P. ...	120 0 0	
17	„ Thos. Campbell ...	Ditto ...	6th or Eastern Soane Irri. Surv., District Gya, Behar ...	120 0 0	
18	„ Lionel Fitzhardings Berkeley ...	Ditto ...	4th or Moradabad and Budaun Dists. Surv., N. W. P. ...	120 0 0	
19 & 20	} Vacant.				

(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 October 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.
1	William Lane, Esq.	...	54 11 21	Depy. Supdt., Revenue Survey	2nd grade...	1,200 0 0
2	James Campbell, Esq.	...	48 7 27	Asst. Supdt., Revenue Survey	1st grade ...	1,000 0 0
3	J. O. N. James, Esq.	...	47 1 24	Asst. Surveyor General	...	1,000 0 0
4	R. B. Smart, Esq.	...	49 6 28	Depy. Supdt., Revenue Survey	2nd grade...	1,200 0 0
5	Colonel D. C. Vanrenen, R. A.	P. H.	54 4 0	Supdt. of Reve. Surveys	...	2,265 10 0
6	Mr. G. H. Blythe	...	46 11 24	Revenue Surveyor	2nd grade...	400 0 0
7	" E. Loftie	...	48 11 10	Ditto	Ditto ...	400 0 0
8	" G. Housden	...	45 8 15	Ditto	1st grade ...	500 0 0
9	" N. A. Belletty	L. S.	48 0 26	Topographical Surveyor	Ditto ...	500 0 0
10	" C. David	...	48 9 0	Revenue Surveyor	3rd grade ...	350 0 0
11	" E. T. S. Johnson	...	48 5 2	Deputy Supdt., Revenue Survey	Ditto ...	1,000 0 0
12	" H. B. Talbot	L. S.	47 11 5	Assistant Supdt., Revenue Survey	1st grade ...	750 0 0
13	" W. H. Patterson	L. S.	37 6 29	Revenue Surveyor	Ditto ...	500 0 0
14	" A. Chamarett	...	43 10 1	Topographical Surveyor	Ditto ...	500 0 0
15	" H. J. Bolst	...	39 7 0	Ditto	Ditto ...	500 0 0
16	Lieut. Col. J. Macdonald, s. c.	P. H.	46 4 20	Depy. Supdt., Revenue Survey	Ditto ...	1,627 14 0
17	" " F. C. Anderson, s. c.	P. H.	49 3 8	Ditto	Ditto ...	1,627 14 0
18	Col. H. C. Johnstone, c. b., s. c.	P. H.	53 3 4	Ditto	Ditto ...	1,627 14 0
19	Mr. C. W. Campbell	...	45 4 24	Revenue Surveyor	2nd grade...	400 0 0
20	" H. Horst	...	42 4 24	Asst. Supdt., Topogl. Survey	Ditto ...	750 0 0
21	Lt. Col. G. C. Deprce, s. c.	P. H.	44 1 28	Depy. Supdt., Topogl. Survey	1st grade ...	1,600 0 0
22	Mr. G. A. McGill	L. S.	38 5 7	Topographical Surveyor	2nd grade ...	400 0 0
23	" W. Sinclair	...	38 0 8	Revenue Surveyor	3rd grade ...	350 0 0
24	" G. R. Buttress	...	36 2 0	Ditto	4th grade ...	300 0 0
25	" W. R. Vyall	...	37 9 2	Ditto	Ditto ...	300 0 0
26	Lieut. Col. A. D. Vanrenen, S. C.	P. H.	45 6 15	Depy. Supdt., Revenue Survey	2nd grade ...	400 0 0
27	Mr. F. Grant	...	40 6 6	Revenue Surveyor	Ditto ...	400 0 0
28	" D. Atkinson	...	38 4 23	Topographical Surveyor	Ditto ...	400 0 0
29	" J. A. Vanderputt	...	37 11 15	Ditto	Ditto ...	400 0 0
30	" J. F. Baness	...	46 3 1	Ditto	1st grade ...	600 0 0
31	" R. W. Chew	...	37 2 8	Ditto	2nd grade ...	400 0 0
32	" C. Brownfield	L. S.	36 1 24	Revenue Surveyor	3rd grade ...	350 0 0
33	" R. Barclay	...	36 2 21	Ditto	3rd grade ...	350 0 0
34	Major H. H. Godwin-Austen, S. C.	P. H.	42 2 27	Depy. Supdt., Topogl. Survey	2nd grade ...	.....
35	Lieut. Col. R. F. Oakes, S. C.	P. H.	47 7 23	Depy. Supdt., Revenue Survey	Ditto ...	.....
36	Mr. F. W. Kelly	H. S.	43 1 5	Revenue Surveyor	Ditto ...	400 0 0
37	" P. A. G. Cowley	L. S.	34 8 15	Ditto	3rd grade ...	350 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 Oct. 1876.	Present Post.	REMARKS.
		Y. M. D.		
Feb. 10, 1837	Mar. 4, 1873	30 0 8	12th or Midnapore District Survey	Periods of deductions from service of Mr. W. Lane. Y. M. D. Service before age of 23 years, from 10th February 1837 to 24th September 1843 ... 6 7 20 Portion of sick leave, medical certificate, to Europe, from 2nd October 1843 to 9th June 1844 ... 0 8 0 Sick leave, from 13th to 18th November 1848 ... 0 0 4 Sick leave, medical certificate, to Europe, from 21st May 1867 to 11th August 1869 ... 2 2 22 From 18th November to 3th December 1846, caused by transfer in travelling long distance to join new office on abolition of old office ... 0 0 17 TOTAL ... 9 7 12
Oct. 8, 1844 July 29, 1845	Nov. 29, 1867 April 1, 1869	31 11 24 31 2 3	14th or Ganges Denrah Reve. Surv., Bengal ... Asst. Survr. Genl., in charge Cartographic and Engraving Branches, Head-Quarters, Calcutta.	Officiating Deputy Superintendent, 3rd grade. Rs. 200 local allowance.
Sept. 21, 1846	Nov. 6, 1868	29 1 9	7th or Hamirpur District Revenue Survey, N. W. P.	Sick leave, from 2nd May to 30th June 1846. Ditto, from 28th October 1849 to 20th January 1850. Ditto, from 8th July 1857 to 13th January 1858. Norr.—Absence without leave for 3 days in October 1853 was erroneously entered in list on the 1st October 1872 against Mr. B. B. Smart's name.
Oct. 3, 1846	Mar. 11, 1867	...	Calcutta—Supdt. of Revenue Surveys and Deputy Surveyor General.	
Dec. 1, 1846 Jan. 1, 1847 Feb. 18, 1847	Jan. 1, 1872 Jan. 1, 1871 July 1, 1867	29 5 0 29 9 0 29 7 11	2nd or Gurgaon Dist. Reve. Surv., Punjab ... Ditto ditto. 1st or Dera Ismail Khan District Revenue Survey, Punjab.	Sick leave, from 21st November 1870 to 20th April 1871.
July 16, 1847 Sept. 1, 1847 Oct. 13, 1847	April 1, 1868 Jan. 1, 1872 July 5, 1870	29 2 16 29 1 0 28 11 19	On duty at Head-Quarters. 12th or Midnapore Dist. Reve. Surv., Bengal 6th or Eastern Soane Irri. Surv., Dist. Gya, Behar.	Office Asst., from 1st Sept. 1847 to 31st Dec. 1861.
Dec. 1, 1848 Dec. 1, 1851	Sept. 12, 1870 Jan. 1, 1871	27 10 0 24 0 0	6th or Agra Dist. Reve. Surv., N. W. P. ... On deputation to Kamrup Lakhiraj Survey, Assam.	Supernumerary. Private affairs' leave, from 1st May to 31st Aug. 1862.— Eur., leave on private affairs, from 20th July 1873 to 18th Jan. 1873. Exclusive of Rs. 45 as Presidency house-rent.
June 2, 1852 July 26, 1852 Sept. 10, 1852 Ditto	Mar. 1, 1871 Oct. 1, 1872 April 1, 1868 April 1, 1868	24 3 29 23 6 8 ... ...	Geographical Examiner, Head-Quarters ... No. 1 Topogl. Party, Gwalior and C.I. Survey Doing duty, Head-Quarters Office, Calcutta. 5th or Banda District Revenue Survey, N. W. P.	On furlough, from 3rd November 1873 to 30th April 1875. Returned to duty 1st May 1875.
May 27, 1853	April 1, 1866	...	1st or Dera Ismail Khan District Revenue Survey, Punjab.	
Nov. 1, 1853 Sept. 1, 1854	July 1, 1870 Oct. 1, 1869	22 11 0 22 1 0	5th or Banda Dist. Reve. Surv., N. W. P. In charge No. 2 or Khaudesh and Bombay Native States Topographical Survey.	
Oct. 20, 1854	Oct. 20, 1866	...	No. 4 or North-Eastern Divn., Central Provinces Topographical Survey. Ditto ditto.	
April 8, 1855 Oct. 1, 1855	Jan. 1, 1871 April 1, 1869	21 5 23 21 0 0	4th or Moradabad and Budaun Dist. Revenue Survey, N. W. P.	
Nov. 1, 1855	Oct. 31, 1872	19 10 17	8th or Western Soane Irri. Survey, District Shahabad, Behar.	Sick leave, from 9th to 23rd July 1869. Ditto, from 3rd September 1869 to 30th October 1869.
June 13, 1856 July 8, 1856 July 11, 1856	April 1, 1869 July 8, 1866 April 1, 1872	20 3 18 ... 20 2 21	Khoordah Estate Survey, Orissa. ... 8th or Western Soane Irri. Survey, District Shahabad, Behar.	On furlough, p. a., 2 years, 1st December 1873. Extended 12 months on medical certificate.
Aug. 4, 1856 Sept. 1, 1856 Sept. 5, 1856	Jan. 1, 1871 Oct. 1, 1874 May 1, 1870	20 1 28 20 1 0 20 0 26	No. 5 or Bhopal and Malwa Survey. No. 4 or N. E. Divn., C. P. Topogl. Surv. Chief Draftsman, Head-Quarters	Service reckoned under new rules.
Sept. 15, 1856 Sept. 20, 1856 Ditto	Oct. 1, 1874 April 1, 1869 Jan. 1, 1871	20 0 16 20 0 11 18 0 5	No. 8 or Nunddroog Division Mysore Survey. Khoordah Estate Survey, Orissa. ... ... ...	Private affairs, furlough to Europe, from 11th Dec. 1867 to 8th Dec. 1869. Sick leave, from 9th Nov. 1869 to 18th April 1870. Ditto, for 21 months, from 4th March 1870.
May 8, 1857	Jan. 1, 1868	...	...	Subsidiary leave for 30 days, from 14th July 1875; and leave on private affairs for 6 months, from 19th Aug. 1875. Extension of leave for 6 months on medical certificate. Further extension for 4 months on medical certificate. On furlough, private affairs, 2 years, from 23rd Mar. 1876.
April 7, 1858 Aug. 17, 1858 Sept. 1, 1859	April 7, 1867 July 1, 1869 Oct. 1, 1873	... 18 1 15 17 1 0	Supdt. of Revenue Surveys Office, Calcutta ... 6th or Eastern Soane Irri. Survey, District Gya, Behar.	(a) Exclusive of personal allowance of Rs. 100. (b) Commencement of second service.

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

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 Oct. 1876.	Present Post.	REMARKS.
			Y. M. D.			Rs. A. P.			Y. M. D.		
38	Mr. G. Rae ...	...	34 9 9	Revenue Surveyor ...	3rd grade ...	350 0 0	Sept. 1, 1859	April 1, 1872	17 1 0	8th or Western Soane Irri. Survey, Dist. Shahabad, Behar.	
39	" T. W. Reilly ...	L. S.	34 3 27	Ditto ...	4th grade ...	300 0 0	Oct. 18, 1859	Nov. 1, 1872	16 10 2	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	Absent without leave from 20th Jan. to 29th Feb. 1861.
40	Major J. Sconce, s. c. ...	P. H.	40 5 29	Depty. Supdt., Revenue Survey ...	2nd grade ...	1,300 0 0	Oct. 21, 1859	Nov. 6, 1868	...	8th or Western Soane Irrigation Survey, Dist. Shahabad, Behar.	
41	Mr. E. Little ...	...	30 11 19	Revenue Surveyor ...	4th grade ...	300 0 0	Jan. 1, 1860	Nov. 5, 1871	16 9 0	Khoordah Estate Survey, Orissa	Apprentice, from 1st Jan. 1860 to 4th Nov. 1862.
42	" S. M. Smylie ...	L. S.	34 10 5	Ditto ...	3rd grade ...	350 0 0	July 24, 1860	April 1, 1872	16 2 8	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	
43	" W. S. Buttress ...	...	32 7 12	Ditto ...	4th grade ...	300 0 0	Sept. 1, 1860	Oct. 1, 1872	16 1 0	1st or Dera Ismail Khan District Revenue Survey, Punjab.	Copyist, from 1st to 30th September 1860.
44	" A. J. Wilson ...	L. S.	34 1 0	Topographical Surveyor ...	3rd grade ...	350 0 0	Oct. 1, 1860	April 1, 1874	16 0 0	No. 2, Topogl. Party, Khandesh and Bombay Native States Survey.	
45	" J. A. May ...	...	34 0 14	Ditto ...	Ditto ...	350 0 0	Ditto ...	Oct. 1, 1874	16 0 0	No. 3, or Central Provinces and Vizagapatam Agency Topogl. Survey.	
46	" F. Adams ...	...	40 5 6	Ditto ...	4th grade ...	300 0 0	Ditto ...	Ditto ...	19 10 20	Ditto ditto	Including service as Sub-Surveyor, from 3rd November 1860 to 30th September 1861.
47	" R. D. Farrell ...	...	32 8 1	Ditto ...	Ditto ...	300 0 0	Ditto ...	April 1, 1872	16 0 0	No. 8, or Nundydroog Divn. Mysore Survey.	
48	" J. S. Pemberton ...	L. S.	33 2 23	Revenue Surveyor ...	Ditto ...	300 0 0	Oct. 6, 1860	Ditto ...	15 11 21	2nd or Gurgaon Dist. Reve. Surv., Punjab	Overstayed privilege leave by five days in June 1860.
49	" H. R. Littlewood ...	...	32 10 25	Ditto ...	Ditto ...	300 0 0	Oct. 13, 1861	Ditto ...	15 11 26	9th or Azamgarh Dist. Reve. Surv., N. W. P.	
50	Major D. Macdonald, s. c. ...	P. H.	40 9 21	Depty. Supdt., Revenue Survey ...	3rd grade ...	1,300 0 0	Dec. 19, 1860	April 1, 1866	...	10th or 1st Deccan Topogl. Surv., Bombay Presidency.	Officiating Deputy Superintendent, 2nd grade.
51	Mr. W. A. Wilson ...	L. S.	33 4 2	Revenue Surveyor ...	4th grade ...	300 0 0	Jan. 1, 1861	April 1, 1873	15 9 0	14th or Ganges Dearah Reve. Surv., Bengal.	Absent without leave three days in January 1866.
52	" A. J. Gibson ...	...	34 6 0	Ditto ...	Ditto ...	300 0 0	May 1, 1861	Oct. 1, 1873	15 4 27	1st or D. I. Khan Dist. Reve. Surv., Punjab	Furlough for 1 year, from 20th July 1876.
53	" E. S. P. Atkinson ...	...	31 2 5	Topographical Surveyor ...	Ditto ...	300 0 0	Aug. 13, 1861	April 1, 1872	15 1 19	...	
54	" A. G. Wyatt ...	...	31 7 5	Ditto ...	Ditto ...	300 0 0	Nov. 1, 1861	April 1, 1874	14 11 0	No. 2, or Khandesh and Bombay Native States Topographical Survey.	On furlough, private affairs, 2 years, from 20th Mar. 1875.
55	Captain F. Coddington, S. C. ...	P. H.	38 4 28	Depty. Supdt., Revenue Survey ...	3rd grade ...	...	Jan. 17, 1862	July 26, 1867	...	...	
56	" W. Barron, s. c. ...	P. H.	38 8 15	Ditto ditto ...	Ditto ...	1,000 0 0	June 27, 1862	April 1, 1870	...	4th or Moradabad and Budaun Dist. Reve. Surv., N. W. P.	
57	" Geo. Strahan, n. E. ...	P. H.	37 7 25	Depty. Supdt., Topogl. Survey ...	2nd grade ...	1,393 10 0	July 2, 1862	Oct. 26, 1870	...	No. 8, or Nundydroog Division Mysore Survey.	Returned from furlough, 12th September 1876.
58	" R. V. Riddell, n. E. ...	P. H.	36 6 18	Ditto ditto ...	3rd grade ...	1,140 0 0	Aug. 28, 1862	Oct. 1, 1867	...	On duty at Head Quarters ...	
59	Major H. C. B. Tanner, S. C. ...	P. H.	41 2 15	Depty. Supdt., Revenue Survey ...	Ditto ...	...	Oct. 10, 1862	April 1, 1870	...	...	On furlough, private affairs, for 6 months, from 25th August 1870.
60	Mr. H. Dowman ...	...	30 3 20	Revenue Surveyor ...	4th grade ...	300 0 0	Oct. 16, 1862	Oct. 16, 1874	13 11 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.
61	" H. T. Hanby ...	L. S.	29 11 12	Ditto ...	Ditto ...	300 0 0	Nov. 13, 1862	Nov. 13, 1874	13 10 18	4th or Moradabad and Budaun Dist. Reve. Surv., N. W. P.	
62	" E. C. Barrett ...	H. S.	33 5 16	Asst. Supdt., Revenue Survey ...	2nd grade ...	600 0 0	Nov. 18, 1862	Dec. 30, 1868	13 9 13	7th or Hamirpur Dist. Reve. Surv., N. W. P.	Sick leave for one month, from 20th June 1869.
63	" A. M. Lawson ...	L. S.	37 8 29	Revenue Surveyor ...	4th grade ...	300 0 0	Ditto ...	May 1, 1873	13 10 13	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	
64	Captain D. C. Andrew, s. c. ...	P. H.	35 6 13	Asst. Supdt., Revenue Survey ...	1st grade ...	1,000 0 0	Dec. 30, 1862	Dec. 30, 1866	...	9th or Azamgarh Dist. Reve. Surv., N. W. P.	Officiating Deputy Supdt., 3rd grade.
65	" W. H. Wilkins, s. c. ...	P. H.	34 11 25	Ditto ditto ...	Ditto ...	1,000 0 0	April 27, 1863	April 27, 1867	...	2nd or Gurgaon Dist. Reve. Survey, Punjab	Ditto ditto.
66	Mr. G. B. Scott ...	L. S.	32 2 0	Revenue Surveyor ...	4th grade ...	300 0 0	May 1, 1863	Dec. 15, 1874	13 5 0	Dhanwar Estate Survey, Bengal.	
67	" J. T. U. Coxen ...	...	36 0 22	Asst. Revenue Surveyor ...	2nd grade ...	200 0 0	May 16, 1863	Jan. 1, 1874	13 3 22	2nd Deccan Topogl. Survey, Bombay Presidency.	Sick leave, from 8th to 31st October 1873.
68	" M. J. Ogle ...	...	34 6 27	Topographical Surveyor ...	4th grade ...	300 0 0	July 1, 1863	April 1, 1873	12 6 27	No. 6, or Khasi and Garo Hills Topogl. Surv.	(a) Exclusive of 15 months' leave on medical certificate to Europe, from 23rd Sept. 1867 to 23rd December 1868.
69	" F. B. Girdlestone ...	...	33 6 0	Depty. Supdt., Topogl. Survey ...	3rd grade ...	...	Aug. 1, 1863	Aug. 11, 1873	10 3 0	...	On furlough for 2 years, from 19th Oct. 1874. Extension for 6 months in R. A. and C. Dept., No. 574, dated 3rd July 1876.
70	" C. F. Hamer ...	...	30 10 24	Asst. Topographical Surveyor ...	1st grade ...	250 0 0	Aug. 3, 1863	Oct. 1, 1871	8 7 24	No. 5, or Bhopal and Malwa Topogl. Surv....	Service reckoned under new rules.
71	" T. E. M. Claudius ...	...	30 4 0	Ditto ditto ...	Ditto ...	250 0 0	Aug. 10, 1863	April 1, 1874	8 4 0	No. 3, or Central Provinces and Vizagapatam Agency Topogl. Survey.	
72	" C. A. R. Scanlan ...	...	29 0 18	Ditto ditto ...	Ditto ...	250 0 0	Sept. 9, 1863	Oct. 1, 1871	7 0 18	No. 1 Topogl. Party, Gwalior and C. I. Survey	Leave on medical certificate for 1 month, from 1st Jan. 1875.
73	Captain Charles Strahan, n. E. ...	...	33 4 26	Depty. Supdt., Topographical Survey ...	3rd grade ...	1,140 0 0	Sept. 26, 1863	Dec. 1, 1867	...	No. 1, or Gwalior and C. I. Topogl. Survey.	
74	Mr. J. H. O'Donel ...	...	31 2 15	Asst. Revenue Surveyor ...	1st grade ...	250 0 0	Oct. 1, 1863	Oct. 1, 1872	9 2 15	6th or Agra Dist. Reve. Surv., N. W. P.	Office Asst., from 1st Jan. 1864 to 29th Feb. 1871.
75	" J. Newland ...	L. S.	39 1 26	Ditto ...	2nd grade ...	200 0 0	Oct. 22, 1863	June 29, 1871	12 11 10	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	Apprentice, from 1st January to 31st December 1864.
76	" R. Todd ...	...	31 2 19	Asst. Topographical Surveyor ...	1st grade ...	250 0 0	Nov. 1, 1863	Oct. 1, 1871	9 2 19	No. 7, or Rajpootana and Simla Topogl. Surv.	Absent without leave one day, and on sick leave four days in October 1865.
77	" P. Ford ...	L. S.	30 9 24	Asst. Revenue Surveyor ...	Ditto ...	250 0 0	Dec. 15, 1863	June 4, 1873	8 9 19	2nd or Gurgaon District Reve. Surv., Punjab	On privilege leave, from 20th July 1876, for 3 months.
78	Captain E. W. Samuells, s. c. ...	P. H.	34 2 24	Asst. Supdt., Revenue Survey ...	Ditto ...	750 0 0	Dec. 17, 1863	Jan. 25, 1868	...	...	Overstayed privilege leave by one day in August 1874.
79	Mr. J. Todd ...	...	42 4 19	Revenue Surveyor ...	3rd grade ...	350 0 0	Dec. 27, 1863	Jan. 1, 1872	12 9 4	12th or Midnapore Dist. Reve. Surv., Bengal	
80	" G. Campbell ...	...	27 2 19	Asst. Revenue Surveyor ...	Ditto ...	160 0 0	Jan. 1, 1864	Dec. 1, 1874	5 2 19	7th or Hamirpur Dist. Reve. Surv., N. W. P.	Temporarily transferred to Chumba Settlement Survey.
81	" R. B. Smart ...	L. S.	29 3 2	Ditto ...	1st grade ...	250 0 0	Ditto ...	May 27, 1874	7 3 2	...	Apprentice, from 12th April to 30th June 1864.
82	" D. A. King ...	...	29 10 26	Ditto ...	Ditto ...	250 0 0	April 12, 1864	Jan. 1, 1874	7 10 25	7th or Hamirpur Dist. Reve. Surv., N. W. P.	
83	" A. Chennell ...	...	29 10 16	Asst. Topographical Surveyor ...	Ditto ...	250 0 0	May 1, 1864	Oct. 1, 1872	7 10 1	No. 6, or Khasi and Garo Hills Topogl. Surv.	
84	" A. James ...	...	29 10 12	Ditto ...	Ditto ...	250 0 0	June 15, 1864	Sept. 1, 1873	7 10 12	No. 8, or Nundydroog Divn. Mysore Survey.	
85	" C. Tapsell ...	...	31 10 17	Ditto ...	Ditto ...	250 0 0	Aug. 2, 1864	Oct. 1, 1872	9 10 17	No. 7, or Rajpootana and Simla Topogl. Surv.	
86	" E. J. Jackson ...	L. S.	32 9 0	Asst. Supdt., Revenue Survey ...	2nd grade ...	600 0 0	Sept. 26, 1864	Nov. 5, 1868	9 1 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.
87	" W. Stotesbury ...	...	29 2 6	Asst. Topographical Surveyor ...	1st grade ...	250 0 0	Oct. 1, 1864	April 1, 1874	7 2 6	No. 8, or Nundydroog Division, Mysore Survey.	
88	" F. Kitchen ...	...	30 6 7	Ditto ...	Ditto ...	250 0 0	Oct. 4, 1864	Ditto ...	8 6 7	Ditto ditto	On special duty, Dhanwar Estate Survey, Bengal.
89	Captain J. E. Sandeman, s. c. ...	P. H.	33 0 29	Asst. Supdt., Revenue Survey ...	Ditto ...	750 0 0	Oct. 6, 1864	Oct. 6, 1868	...	...	
90	Mr. C. W. F. Seyers ...	...	33 1 15	Asst. Revenue Surveyor ...	3rd grade ...	160 0 0	Dec. 1, 1864	Oct. 1, 1871	11 1 15	14th or Ganges Dearah Revenue Survey, Bengal.	

NOTE.—Service qualifying for pension calculated under old rules, *vide*

Section 61, (b), new Pension Code, for all appointments prior to 8th June 1863.

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

1 Gent. Seniority Number.	2 NAMES.	3 Passed in Vernacular.	4 Age.	5 Rank.	6 Grade.	7 Salary.	8 Date of first appointment to Department.	9 Date of appointment to present grade.	10 Period of service counting for pension on 1st Oct. 1876.	11 Present Post.	12 REMARKS.
91	Mr. E. W. Lincoln	...	28 2 28	Asst. Revenue Surveyor	2nd grade	Rs. A. P. 200 0 0	Feb. 15, 1865	May 6, 1876	6 2 22	8th or West Soane Irrig. Survey, Dist. Shahabad, Behar.	Overstayed privilege leave by six days in December 1871.
92	" J. Connor	...	29 0 24	Ditto	1st grade	250 0 0	Ditto	Dec. 1, 1874	7 0 24	Supdt. of Revenue Surveyors' Office, Calcutta.	
93	" T. H. Duane	L. S.	28 9 5	Ditto	Ditto	250 0 0	Ditto	Feb. 15, 1871	6 8 24	Ditto ditto	Absent without leave one day, and on sick leave for ten days in October 1865.
94	" W. J. Lane	...	29 4 5	Ditto	Ditto	250 0 0	Mar. 1, 1865	April 24, 1871	6 11 26	9th or Azamgarh District Revenue Survey, N. W. P.	Sick leave from 10th May to 9th July 1865.
95	" E. A. Wainright	...	28 3 13	Asst. Topographical Surveyor	Ditto	200 0 0	May 1, 1865	Oct. 1, 1871	6 3 13	No. 5 or Bhopal and Malwa Topogl. Survey.	Ditto, 7th August to 23rd October 1866.
96	Captain W. F. Badgley, s. c.	P. H.	38 10 21	Asst. Supdt., Topogl. Survey	Ditto	1,000 0 0	May 3, 1865	May 8, 1868	...	No. 6 or Khasi and Garo Hills Topographical Survey.	
97	Mr. J. A. Barker	...	30 5 18	Asst. Topographical Surveyor	2nd grade	200 0 0	Sept. 18, 1865	Oct. 1, 1871	8 5 18	In charge, No. 8 or Nundydroog Divn., Mysore Survey.	
98	Captain H. Lees Smith, s. c.	P. H.	37 6 18	Asst. Supdt., Revenue Survey	1st grade	...	Mar. 26, 1866	June 18, 1870	6 3 20	...	On furlough, p. a., 2 years, from 24th Apl. 1870.
99	Mr. R. C. D. Ewing	L. S.	28 3 20	Asst. Revenue Surveyor	2nd grade	200 0 0	June 9, 1866	Sept. 9, 1872	6 3 20	14th or Ganges Dearah Revenue Survey, Bengal.	
100	Lieutenant T. H. Holdich, B. E.	L. S.	33 7 17	Asst. Supdt., Topogl. Survey	1st grade	1,065 12 0	July 23, 1866	Dec. 15, 1868	...	In charge, No. 3 or C. P. and Vizagapatam Agency Topogl. Survey.	Offg. Depy. Supdt., 3rd Grade.
101	Captain J. Waterhouse, s. c.	P. H.	34 2 8	Asst. Surveyor General	3rd grade	1,000 0 0	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.
102	Mr. W. J. Cornelius	L. S.	27 6 1	Asst. Topographical Surveyor	2nd grade	200 0 0	Aug. 15, 1866	Oct. 1, 1872	5 6 1	No. 1 or Gwalior and C. I. Topogl. Survey.	
103	" W. J. Smith	...	28 2 19	Asst. Revenue Surveyor	Ditto	200 0 0	Sept. 1, 1866	May 27, 1874	6 2 19	1st or Dera Ismail Khan District Revenue Survey, Punjab.	Office Asst., from 1st Sept. 1860 to 31st Mar. 1869.
104	" W. F. Pettigrew	...	32 1 18	Asst. Topographical Surveyor	Ditto	200 0 0	Sept. 12, 1866	Oct. 1, 1872	10 0 19	No. 3 or C. P. and Vizagapatam Agency, Topogl. Survey.	Including leave on medical certificate, from 7th Nov. 1873 to 17th Apl. 1870.
105	" G. W. Jarbo	L. S.	29 0 15	Asst. Revenue Surveyor	Ditto	200 0 0	Nov. 1, 1866	Nov. 1, 1872	7 0 0	5th or Banda District Revenue Survey, N. W. Provinces.	Sick leave for 15 days, from 20th May to 9th June 1869.
106	" G. H. Cooke	L. S.	31 10 1	Asst. Supdt., Revenue Survey	Ditto	600 0 0	Dec. 6, 1866	May 10, 1871	9 9 26	2nd or Gurgaon District Revenue Survey, Punjab.	Supernumerary.
107	Captain H. S. Cowan, s. c.	P. H.	35 0 16	Ditto	Ditto	...	Jan. 19, 1867	Mar. 17, 1868	...	...	On furlough, private affairs and medical certificate, for 1 year, from 10th July 1875. Extended 4 months.
108	Mr. J. R. Scott	L. S.	27 6 27	Asst. Revenue Surveyor	Ditto	200 0 0	Ditto	May 1, 1870	5 6 27	5th or Banda District Revenue Survey, North-Western Provinces.	
109	" P. J. W. Doran	L. S.	27 4 26	Asst. Topographical Surveyor	Ditto	200 0 0	Feb. 1, 1867	April 1, 1873	5 4 26	No. 1 or Gwalior and C. I. Topogl. Survey.	* Commencement of second service.
110	" C. W. Wilson	L. S.	30 10 22	Asst. Revenue Surveyor	3rd grade	160 0 0	* June 21, 1867	Oct. 1, 1870	8 5 22	14th or Ganges Dearah Reve. Surv., Bengal...	Sick leave for 3 months, from 1st March 1869. Ditto for 2 months, from 1st August 1869.
111	" J. McHatton	L. S.	26 2 14	Ditto	2nd grade	200 0 0	July 1, 1867	July 1, 1870	4 2 14	9th or Azamgarh District Revenue Survey, N. W. P.	
112	Captain H. S. Hutchinson, s. c.	P. H.	36 5 20	Asst. Supdt., Revenue Survey	Ditto	749 1 6	Aug. 13, 1867	Aug. 13, 1868	...	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	
113	Mr. W. W. McNair	...	26 1 18	Asst. Topographical Surveyor	Ditto	200 0 0	Sept. 1, 1867	Oct. 1, 1872	4 0 18	No. 8 or Nundydroog Division, Mysore Survey.	Office Asst., from 10th Sept. 1867 to 31st July 1870.
114	" E. J. Martin	...	25 7 15	Asst. Revenue Surveyor	3rd grade	160 0 0	Sept. 16, 1867	May 27, 1874	3 7 15	6th or Eastern Soane Irrig. Surv., Dist. Gya, Behar.	
115	" H. T. Kitchen	...	28 3 23	Asst. Topographical Surveyor	2nd grade	200 0 0	Nov. 1, 1867	Nov. 1, 1873	6 3 23	No. 5 or Bhopal and Malwa Topogl. Survey.	Service reckoned under old rules. Includes previous service in Pegu Survey, from 2nd Jan. 1863 to 30th Nov. 1867.
116	" A. Cooper	...	35 11 4	Ditto	Ditto	200 0 0	Dec. 1, 1867	April 1, 1874	13 8 10	No. 3 or C. P. and Vizagapatam Agency Topographical Survey.	
117	" J. H. Wilson	L. S.	30 2 23	Ditto	Ditto	200 0 0	April 1, 1868	Ditto	8 2 23	No. 4 or N. E. Divn., C. P. Topogl. Survey.	
118	" W. H. Lilley	...	27 9 28	Ditto	3rd grade	160 0 0	May 1, 1868	May 1, 1871	5 9 28	No. 5 or Bhopal and Malwa Topogl. Survey.	
119	" S. O. Madras	...	26 1 16	Asst. Revenue Surveyor	2nd grade	200 0 0	July 6, 1868	July 6, 1874	4 1 16	4th or Moradabad and Budaun Districts Reve. Surv., N. W. P.	Officiating in 2nd grade. Rs. 24-1-6 Personal Allowance.
120	Captain R. Beavan, s. c.	P. H.	32 0 11	Asst. Supdt., Revenue Survey	Ditto	624 1 6	July 17, 1868	Nov. 9, 1869	...	1st or Dera Ismail Khan District Revenue Survey, Punjab.	
121	Mr. T. F. Freeman	L. S.	25 6 27	Asst. Revenue Surveyor	Ditto	200 0 0	Sept. 9, 1868	Sept. 9, 1874	3 6 27	7th or Hamirpur Dist., N. W. P.	
122	" J. O'Toole	...	25 7 22	Ditto	3rd grade	...	Sept. 10, 1868	Mar. 10, 1872	2 2 28	8th or Western Soane Irrig. Survey, District Shahabad, Behar.	Sick leave for 9 months from 7th May 1876.
123	" G. C. Swiner	...	27 3 4	Ditto	2nd grade	200 0 0	Sept. 17, 1868	Dec. 1, 1874	5 3 4	12th or Midnapore Dist. Reve. Surv., Bengal.	
124	" A. C. W. LeMarchand	L. S.	25 10 15	Ditto	3rd grade	160 0 0	Nov. 2, 1868	Nov. 2, 1871	3 10 15	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	
125	" J. Murphy	...	24 2 19	Proby. Asst. Revenue Surveyor	4th grade	120 0 0	Nov. 22, 1868	Nov. 1, 1871	2 2 19	5th or Banda District Revenue Survey, N. W. P.	Office Asst., from 22nd Nov. 1869 to 31st Oct. 1871.
126	" W. D. Corbett	...	26 4 0	Asst. Revenue Surveyor	3rd grade	160 0 0	Dec. 1, 1868	May 30, 1874	4 4 0	7th or Hamirpur Dist. Reve. Surv., N. W. P.	Office Asst., from 1st Dec. 1869 to 31st July 1870.
127	" J. S. Swiner	...	25 9 12	Ditto	Ditto	160 0 0	Jan. 5, 1869	Jan. 5, 1872	3 9 12	6th or Eastern Soane Irrig. Surv., Dist. Gya, Behar.	† Commencement of second service.
128	Captain E. H. Steel, s. c.	H. S.	35 4 26	Asst. Supdt., Revenue Survey	2nd grade	624 1 6	† Jan. 26, 1869	May 20, 1869	...	5th or Banda District Revenue Survey, N. W. P.	Officiating in 2nd grade. Rs. 24-1-6 Personal allowance.
129	Mr. G. L. R. Scott	L. S.	25 4 15	Asst. Revenue Surveyor	3rd grade	160 0 0	Mar. 1, 1869	Mar. 1, 1872	3 4 15	6th or Agra Dist. Reve. Surv., N. W. P.	
130	" W. J. Lincoln	L. S.	25 0 22	Ditto	Ditto	160 0 0	April 1, 1869	April 1, 1872	3 0 22	4th or Moradabad and Budaun Districts Reve. Surv., N. W. P.	
131	" B. Anderson	L. S.	25 4 15	Ditto	Ditto	160 0 0	April 20, 1869	June 29, 1872	3 4 15	2nd or Gurgaon Dist. Reve. Surv., Punjab.	
132	" T. Shaw	L. S.	23 10 15	Ditto	Ditto	160 0 0	April 21, 1869	May 1, 1873	1 10 15	Western Soane Irrig. Surv., Dist. Shahabad, Behar.	
133	" H. E. Gastrell	L. S.	27 7 8	Asst. Supdt., Revenue Survey	2nd grade	600 0 0	April 26, 1869	April 26, 1870	4 7 15	5th or Banda Dist., N. W. P.	Supry. <del>...</del> m. c., 1 year from 23rd Sept. 1875.
134	" W. Robert	...	25 7 3	Asst. Topographical Surveyor	3rd grade	160 0 0	Aug. 21, 1869	Oct. 1, 1872	3 7 3	No. 6 or Khasi & Garo Hills Topogl. Surv.	
135	" W. H. Penrose	L. S.	24 11 24	Asst. Revenue Surveyor	Ditto	160 0 0	Aug. 11, 1869	June 4, 1873	2 11 24	11th or 2nd Deccan Topogl. Survey, Bombay Presidency.	
136	Captain J. R. Wilmer, s. c.	H. S.	35 8 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.	
137	Mr. F. E. Warde	...	25 0 21	Asst. Topographical Surveyor	3rd grade	160 0 0	Sept. 1, 1870	Sept. 1, 1873	3 0 21	No. 2 or Khandesh and Bomb. Nat. States Surv.	
138	" C. T. Templeton	...	24 0 27	Ditto	Ditto	160 0 0	Ditto	Ditto	2 0 27	No. 1 or Gwalior and C. I. Topogl. Survey.	
139	" A. D. Smart	...	45 11 17	Revenue Surveyor	Ditto	350 0 0	† Oct. 1, 1870	Oct. 1, 1870	6 0 0	Supdt. of Revenue Surveyors' Office, Calcutta...	† Commencement of second service.
140	" G. F. Parker	...	26 7 18	Asst. Revenue Surveyor	Ditto	160 0 0	Nov. 18, 1870	July 8, 1874	4 7 18	12th or Midnapore Dist. Reve. Surv., Bengal.	
141	" J. McCay	...	22 11 23	Asst. Topographical Surveyor	Ditto	160 0 0	Dec. 1, 1870	Dec. 1, 1873	0 11 23	No. 3 or Central Provinces and Vizagapatam Agency Topogl. Survey.	

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

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 Oct. 1876.	Present Post.	REMARKS.
			Y. M. D.			Rs. A. P.			Y. M. D.		
142	Lieut. G. W. Martin, s. c. ...	H. S.	29 4 2	Asst. Supdt., Revenue Survey	3rd grade ...	...	Mar. 24, 1871	Jan. 17, 1875	...	...	On furlough, p. a., 2 years, from 15th November 1875.
143	Lieut. R. G. Woodthorpe, R. E. ...	L. S.	32 0 8	Asst. Supdt., Topogl. Survey	Ditto ...	670 0 0	July 14, 1871	April 1, 1874	0 2 1	No. 6 or Khasi and Garo Hills Topogl. Surv. Khoordah Estate Survey, Orissa	Apprentice, from 3rd Aug. 1871 to 11th Sept. 1872.
144	Mr. P. E. Heberlet ...	...	22 2 1	Proby. Asst. Revenue Surveyor	4th grade ...	120 0 0	Aug. 9, 1871	Sept. 12, 1872	...	No. 7 or Rajpootana and Simla Topogl. Survey.	
145	Lieut. E. P. Leach, R. E. ...	L. S.	29 5 29	Asst. Supdt., Topogl. Survey	3rd grade ...	670 0 0	Oct. 6, 1871	April 1, 1874	1 6 6	4th or Moradabad and Budaun Dists. Reve. Surv., N. W. P.	
146	Mr. C. W. J. Ford ...	...	23 6 6	Proby. Asst. Revenue Surveyor	4th grade ...	120 0 0	Nov. 1, 1871	.....	...	...	
147	" W. C. G. Barckley ...	...	24 11 10	Asst. Topographical Surveyor	3rd grade ...	...	Dec. 1, 1871	Feb. 1, 1874	2 11 10	Eastern Soane Irri. Surv., Dist. Gya, Behar ...	On special sick leave to Europe for 8 months, from 9th April 1873, granted extension for 6 months. Apprentice, from 1st to 31st December 1871.
148	" A. W. Smart ...	...	25 7 1	Proby. Asst. Revenue Surveyor	4th grade ...	120 0 0	Jan. 1, 1872	Jan. 1, 1872	3 7 1	4th or Moradabad and Budaun Dists. Reve. Surv., N. W. P.	
149	Lieut. A. J. C. Scott, s. c. ...	H. S.	29 1 8	Asst. Supdt., Revenue Survey	3rd grade ...	500 0 0	Jan. 17, 1872	Jan. 17, 1873	...	12th or Midnapore Dist. Reve. Surv., Bengal	Apprentice, from 1st February to 14th November 1872.
150	Mr. B. M. Wilson ...	...	28 5 17	Proby. Asst. Revenue Surveyor	4th grade ...	120 0 0	Feb. 1, 1872	Nov. 15, 1872	4 8 0	5th or Banda District Revenue Survey, North-Western Provinces.	
151	" H. G. Young ...	H. S.	25 5 19	Ditto ditto	Ditto ...	120 0 0	Feb. 16, 1872	Sept. 1, 1872	3 5 19	10th or 1st Deccan Topogl. Survey, Bombay Presidency.	Apprentice, from 1st April 1872 to 15th April 1873.
152	" R. R. Dickinson ...	L. S.	25 2 6	Ditto ditto	Ditto ...	120 0 0	April 1, 1872	April 16, 1873	3 2 6	No. 3 or Central Provinces and Vizagapatam Agency Topographical Survey.	
153	" G. Vander Beek ...	...	27 0 15	Asst. Topographical Surveyor	Ditto ...	120 0 0	July 1, 1872	.....	4 3 0	8th or Western Soane Irri. Surv., Dist. Gya, Behar.	Commencement of second service. Sick leave, from 1st April to 30th December 1874.
154	" G. H. O'Donel ...	...	29 1 18	Proby. Asst. Revenue Surveyor	Ditto ...	120 0 0	July 23, 1872	.....	3 11 9	No. 7 or Rajpootana and Simla Topogl. Survey.	
155	" W. M. Kelly ...	...	22 1 25	Asst. Topographical Surveyor	Ditto ...	120 0 0	Oct. 1, 1872	.....	0 1 25	No. 5 or Bhopal and Malwa Topogl. Survey.	
156	" J. Murray ...	...	24 1 16	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	2 1 16	Ditto ditto.	
157	" A. Kitchen ...	...	23 8 5	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	1 8 5	No. 8 or Nundydroog Div., Mysore Survey.	
158	" P. White ...	...	25 11 8	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	3 11 8	4th or Moradabad and Budaun Dists. Reve. Surv., N. W. P.	
159	" E. P. S. Hill ...	...	22 3 17	Proby. Asst. Revenue Surveyor	Ditto ...	120 0 0	Nov. 16, 1872	.....	0 3 17	12th or Midnapore Dist. Reve. Surv., Bengal.	
160	" E. H. S. Gaspar ...	...	22 10 16	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	0 10 16	9th or Azamgarh Dist. Reve. Surv., N. W. P.	
161	" T. Anderson ...	...	23 3 6	Ditto ditto	Ditto ...	120 0 0	April 17, 1873	.....	1 3 6	5th or Banda Dist. Revenue Survey, North-Western Provinces.	
162	" E. B. M. Drew ...	...	22 5 10	Ditto ditto	Ditto ...	120 0 0	May 5, 1873	.....	0 5 10	7th or Hamirpur Dist. Rev. Surv., N. W. P.	Office Asst., from 1st June 1873 to 30th November 1874. Previous service as Sub-Surv., from 1st Nov. 1872.
163	" C. T. J. Dease ...	...	21 3 4	Ditto ditto	Ditto ...	120 0 0	June 1, 1873	Dec. 1, 1874	Nil ...	No. 2 or Khandesh and Bombay Nat. States Survey.	
164	" T. Downes ...	...	23 8 22	Ditto Topogl. Surveyor	Ditto ...	120 0 0	Aug. 11, 1873	.....	1 8 22	No. 2 or Khandesh and Bombay Native States Topographical Survey.	Ditto ditto.
165	" E. Graham ...	L. S.	22 11 0	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	0 11 0	No. 8 or Nundydroog Div. Mysore Survey.	
166	" G. L. Fleming ...	...	22 6 0	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	0 6 0	No. 5 or Bhopal and Malwa Topogl. Survey.	Previous service as apprentice, from 1st October 1872.
167	" G. R. Copping ...	...	23 3 6	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	1 3 6	No. 8 or Nundydroog Div., Mysore Survey.	
168	" G. A. Knight ...	...	21 11 9	Ditto ditto	Ditto ...	120 0 0	Ditto ...	.....	...	1st or Dera Ismail Khan District Revenue Survey, Punjab.	
169	" P. A. Peters ...	L. S.	21 9 23	Ditto Revenue Surveyor	Ditto ...	120 0 0	Nov. 1, 1873	.....	...	14th or Ganges Dearah Reve. Surv., Bengal...	Absent without leave 6 days in June 1876.
170	" H. R. Adels ...	...	26 6 25	Ditto ditto	Ditto ...	120 0 0	Feb. 19, 1874	.....	2 7 4	2nd or Gurgaon District Reve. Surv., Punjab.	
171	" C. S. Kraal ...	...	23 0 6	Ditto ditto	Ditto ...	120 0 0	July 24, 1874	.....	1 0 6	No. 8 or Nundydroog Div., Mysore Survey.	
172	Lieut. J. R. Hobday, s. c. ...	H. S.	26 2 16	Asst. Supdt., Topogl. Survey	3rd grade ...	500 0 0	Sept. 11, 1874	.....	...	No. 3 or Central Provinces and Vizagapatam Agency Topogl. Survey.	Joined as a Sub-Surveyor on 3rd July 1873.
173	Mr. Duncan Campbell ...	...	23 10 13	Asst. Topogl. Surveyor	4th grade ...	120 0 0	Nov. 1, 1874	.....	...	6th or Agra District Revenue Survey.	
174	" Thos. Campbell ...	...	19 8 16	Proby. Asst. Revenue Surveyor	Ditto ...	120 0 0	May 1, 1875	.....	...	4th or Moradabad & Budaun Dists. Reve. Surv.	
175	" L. F. Berkeley ...	...	22 1 3	Ditto ditto	Ditto ...	120 0 0	Aug. 16, 1875	.....	0 1 3		

Disposition List of Officers of the Surveyor General's Office, Head-Quarters, Calcutta, and of the Topographical Survey Department, on the 1st Oct. 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.	Rs.
	Calcutta—Head-Quarters ... ..	...	...	...	...	...	...	.....
1	Native States, Central India, and Rajpootana Agencies, viz., Gwnlior, Holkar, Tonk, Kotah, Jhalawar, Pertabgarh, Udepur, Bhynsrorgarh and Joura.	5	...	95	1	12	...	61,109
2	Khandesh and Bombay Native States, Holkar's territory south of the Nerbudda.	10	1	144	1	15	...	55,227
3	Jeypur, Madgul and Golconda, in the Vizagapatam Agency, and Rampa Zemindary of District Rajamundry in the Madras Presidency.	1	...	105	1	8	1	56,717
4	Districts of Bilaspur, Mandla and Balaghât, in the Central Provinces.	3	1	108	1	12	...	57,748

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. ...	...	Survr. Genl. of India and Supdt. of Topogl. Surveys ...	Mar. 13, 1861.	
J. O. N. James, Esq. ...	3	Assistant Surveyor General ...	April 1, 1866	In charge Cartographic and Engraving Branches.
Capt. J. Waterhouse, s. c. ...	101	Ditto ditto ...	July 23, 1866	In charge Photographic and Lithographic Branches. Oniciating Deputy Superintendent, 3rd grade, from the 20th March 1875, vice Captain Riddell, on leave.
Captain Charles Strahan, B. E. (in charge) ...	73	Deputy Superintendent, 3rd grade ...	Oct. 13, 1867.	
Mr. H. J. Bolst ...	15	Surveyor, 1st grade.		
" C. A. R. Scanlan ...	72	Assistant Surveyor, 1st grade.		
" W. J. Cornelius ...	102	Ditto, 2nd grade.		
" P. J. W. Doran ...	109	Ditto, 2nd grade.		
" C. T. Templeton ...	138	Ditto, 3rd grade.		
F. B. Girdlestone, Esq. (in charge) ...	69	Depy. Supdt., 3rd grade ...	Dec. 4, 1871	On furlough for 2 years, from 18th Oct. 1874. Extended 6 months.
H. Horst, Esq., Offg. in charge ...	20	Asst. Supdt., 1st grade ...	.....	
Mr. A. J. Wilson ...	44	Surveyor, 3rd grade.		
" A. G. Wyatt ...	54	Ditto, 4th grade.		
" F. E. Warde ...	137	Asst. Surveyor, 3rd grade.		
" T. Downes ...	164	Proby. Asst. Surveyor, 4th grade.		
" E. Graham ...	165	Ditto, 4th grade.		
Lieut. T. H. Holdich, B. E. (in charge) ...	100	Asst. Supdt., 1st grade (Offg. 3rd grade Depy. Supdt.) ...	Dec. 15, 1873.	
Mr. J. A. May ...	45	Surveyor, 3rd grade.		
" F. Adams ...	46	Ditto, 4th grade.		
" T. E. M. Claudius ...	71	Asst. Surveyor, 1st grade.		
" W. F. Pettigrew ...	104	Ditto, 2nd grade.		
" A. Cooper ...	116	Ditto, 2nd grade.		
" J. McCay ...	141	Ditto, 3rd grade.		
" G. Vander Beek ...	153	Ditto, 4th grade.		
" Duncan Campbell ...	173	Ditto, 4th grade.		
Lieut. Colonel G. C. Deprec, s. c. (in charge) ...	21	Depy. Supdt., 1st grade ...	March 1856.	
Mr. G. A. McGill ...	22	Surveyor, 2nd grade.		
" J. A. Vanderputt ...	29	Ditto, 2nd grade.		
" J. H. Wilson ...	117	Assistant Surveyor, 2nd grade.		



Disposition List of Officers of the Topographical Survey

Department of India on the 1st October 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.	
5	Bhopal, Gwalior, Rajgurh, Nursingurh, Tonk, &c., Native States in the Central India Agency.	5	...	125	1	9	...	Rs. 56,723
6	Naga and Daphla Hills on the Eastern Frontier, Assam	1	1	71	1	14	...	64,279
7	Meywar, Marwar, Godwar, Shahpura, Mhairwara, and Ajmere in the Rajpootana Agency, and at Simla.	6	2	81	1	17	...	67,398
8	Mysore,—Nundydroog Division	...	...	...	...	...	...	.....
9	Mysore,—Nagar Division	...	...	...	...	...	...	.....

Officer in charge, Surveyors and Assistant Surveyors.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
<i>Captain R. V. Riddell</i> , R. E. ... " <i>J. R. Wilmer</i> , s. c. (in charge) ... Lieut. <i>St. G. C. Gore</i> ... Mr. <i>D. Atkinson</i> ... " <i>C. F. Hamer</i> ... " <i>E. A. Wainright</i> ... " <i>H. T. Kitchen</i> ... " <i>W. H. Lilley</i> ... " <i>J. Murray</i> ... " <i>A. Kitchen</i> ... " <i>G. R. Copping</i> ...	58 136 28 70 95 115 118 156 157 167	..... Assistant Superintendent, 1st grade ... Ditto, 3rd grade ... Surveyor, 2nd grade. Asst. Surveyor, 1st grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade. Proby. Surveyor 4th grade.	Sept. 1874 ... ... ... ... ... ... ... ... ... ...	Transferred from G. T. Survey.
<i>Major H. H. Godwin-Austen</i> , s. c. Captain <i>W. F. Badgley</i> , s. c. (Offg. in charge) ... Lieut. <i>R. G. Woodthorpe</i> , R. E. ... Mr. <i>M. J. Ogle</i> ... " <i>A. Chennell</i> ... " <i>W. Robert</i> ...	34 96 143 68 83 134	Depty. Supdt., 2nd grade ... Offg. Depty. Supdt., 3rd grade. 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, for 6 months, and further extension for 4 months.
Lieutenant <i>E. P. Leach</i> , R. E. ... Mr. <i>E. S. P. Atkinson</i> ... " <i>R. Todd</i> ... " <i>C. Tapsell</i> ... " <i>W. M. Kelly</i> ...	145 53 76 85 165	Asst. Supdt., 2nd grade. ... Surveyor, 4th grade. ... Asst. Surveyor, 1st grade. Ditto, 4th grade. Ditto, 4th grade.	Oct. 1875 ... ... ... ...	On furlough to Europe for 1 year, from 26th July 1876.
Capt. <i>Geo. Strahan</i> , R. E. ... Lieutenant <i>J. R. Hobday</i> , s. c. ... Mr. <i>R. W. Chew</i> ... " <i>R. D. Farrell</i> ... " <i>A. James</i> ... " <i>F. Kitchen</i> ... " <i>W. Stotesbury</i> ... " <i>J. A. Barker</i> ... " <i>W. W. McNair</i> ... " <i>P. White</i> ... " <i>G. L. Fleming</i> ... " <i>G. A. Knight</i> ...	57 172 31 47 84 88 87 97 113 158 166 168	Depty. Supdt., 2nd grade Asst. Supdt., 3rd grade. Surveyor, 2nd grade. Ditto 4th grade. Asst. Surveyor, 1st grade. Ditto, 1st grade. Ditto, 1st grade. Ditto, 2nd grade. Ditto, 2nd grade. Ditto, 4th grade. Ditto, 4th grade. Ditto, 4th grade.	Oct. 1875 ... ... ... ... ... ... ... ... ... ... ...	Party formed 1st October 1876.
Captain <i>H. R. Thuillier</i> , R. E. ... " <i>J. R. McCullagh</i> , R. E. ... Mr. <i>W. Todd</i> ... " <i>L. J. Pocock</i> ... " <i>J. W. Macdougall</i> ... " <i>E. J. Connor</i> ... " <i>Hugh Todd</i> ... " <i>T. Kenney</i> ... " <i>W. Oldham</i> ... " <i>E. W. Lasserin</i> ... " <i>J. M. Kennedy</i> ...	...* 55† ... 30 38 39 ... ... ... ... ... ...	Depty. Supdt., 1st grade. Asst. Supdt., 2nd grade ... Surveyor, 2nd grade ... Ditto, 4th grade ... Asst. Surveyor, 1st grade ... Ditto, 1st grade. Ditto, 1st grade. Ditto, 1st grade. Ditto, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade.	Oct. 1875 ... ... ... ... ... ... ... ... ... ... ...	Party formed 1st October 1876. Members of the G. T. Survey. † G. T. Survey.

\* For numbers in General List of No. 9 party, please refer to G. T. Survey List.

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

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE DEPARTMENT IN ALL GRADES.							Annual cost of Party.
		Surveyors.	Asst. Surveyors.	Sub-Surveyors, &c.	Levelers.	Chainmen or Measurers.	Native Doctors.	Burkundazes.	
		No.	No.	No.	No.	No.	No.	No.	
	Calcutta Head-Quarters	2	2	...	...	...	...	...	...
1st or Dera Ismail Khan District Survey, Punjab.	Dera Ismail Khan District	3	2	31	...	200	1	15	Profnl. 83,359
2nd or Gurgaon Dist. Surv., Punjab	Gurgaon District	3	3	30	...	200	1	15	69,235
4th or Moradabad and Budaun Districts Survey, N. W. Provinces.	Moradabad and Budaun Districts	2	4	31	1	168	1	15	Profnl. 64,005 Leveling 3,092
5th or Banda District Survey, N. W. Provinces.	Banda District	1	4	26	1	173	1	17	Profnl. 67,339 Leveling 3,083
6th or Agra District Survey, N. W. P., and Eastern Soane Irrigation Survey, District Gya, Behar.	District Agra, N. W. P., District Gya, Behar.	1	6	29	...	178	1	17	Profnl. 65,906
7th or Hamirpur District Survey, N. W. Provinces and Khoorda Estate Survey.	Hamirpur District, N. W. P., Khoorda Estate, Orissa.	4	6	27	...	236	2	11	Profnl. 78,705
8th or Western Soane Irrigation Survey, District Shahabad, Behar.	Shahabad District	3	4	31	...	200	1	12	63,810
9th or Azamgarh District Survey, N. W. Provinces.	Azamgarh District	1	3	14	...	50	1	7	38,910
10th or 1st Deccan Topographical Survey, Bombay.	Nasik Collectorate	1	3	18	...	165	...	13	60,708
11th or 2nd Deccan Topographical Survey, Bombay.	Ahmadnagar Collectorate	2	2	17	...	165	1	12	60,804
12th or Midnapore District Survey, Bengal.	Midnapore District	2	4	35	...	200	1	15	64,882
14th or Ganges Dearah Survey, Bengal.	Ganges Dearah in District Furreedpore.	1	4	30	...	200	1	15	62,957

Officers in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Col. D. C. Vanrenen, R. A. ...	5	Supdt. of Revenue Surveys, Lower Circle	Mar. 11, 1867.	
Lieut. Col. J. Macdonald, s. c. ...	16	Deputy Supdt. of Reve. Surv., 1st grade.		
Col. H. C. Johnstone, c. B., s. c. ...	18	Depty. Supdt. of Reve. Survey, 1st grade	Oct. 15, 1873.	
Captain R. Beavan, s. c. ...	120	Offg. Asst. Supdt. of Reve. Survey, 2nd grade	Oct. 1, 1874.	
" W. H. Wilkins, s. c. ...	65	Asst. Supdt. of Reve. Survey, 1st grade, offg. Depy. Supdt., 3rd grade	Oct. 21, 1871.	
G. H. Cooke, Esq. ...	106	Offg. Asst. Supdt. of Reve. Survey, 2nd grade.	April 1, 1876	Supernumerary.
Lieut. Col. A. D. Vanrenen, s. c. ...	26	...	.....	On furlough, private affairs, 2 years, 1st December 1873. Extended 12 months.
Captain W. Barron, s. c. ...	56	Depty. Supdt. of Reve. Survey, 3rd grade	Nov. 12, 1873.	
Lieut. A. J. C. Scott, s. c. ...	149	Asst. Supdt. of Reve. Surv., 3rd grade...	April 24, 1876.	
Captain H. L. Smith, s. c. ...	98	...	.....	On furlough, private affairs, 2 years, from 24th April 1876.
Lieut. Col. F. C. Anderson, s. c. ...	17	Depty. Supdt. of Reve. Survey, 1st grade	Nov. 1, 1871.	
Captain E. H. Steel, s. c. ...	128	Offg. Asst. Supdt. of Reve. Survey, 2nd grade	Oct. 1, 1874.	
Mr. H. E. Gastrell ...	139	Offg. Asst. Supdt. of Revenue Survey, 2nd grade	.....	Supernumerary.
E. T. S. Johnson, Esq. ...	11	Depty. Supdt. of Reve. Surv., 3rd grade	Oct. 1, 1872.	
H. B. Talbot, Esq. ...	12	Offg. Asst. Supdt. of Revenue Survey, 1st grade	Jan. 1, 1873.	
R. B. Smart, Esq. ...	4	Depty. Supdt. of Reve. Surv., 2nd grade	Sept. 19, 1872.	
E. C. Barrett, Esq. ...	62	Asst. Supdt. of Reve. Survey, 2nd grade	Oct. 1, 1872.	
Lieut. Col. R. E. Oakes, s. c. ...	35	...	.....	On furlough, private affairs, 2 years, from 23rd March 1876.
Major J. Sconce, s. c. ...	40	Depty. Supdt. of Reve. Surv., 2nd grade	Mar. 15, 1876.	
Captain J. E. Sandeman, s. c. ...	89	Asst. Supdt. of Revenue Survey, 1st grade	Oct. 1, 1874	Special duty, Dhanwar Estate Survey.
Captain D. C. Andrew ...	64	Offg. Depy. Supdt. of Revenue Survey, 3rd grade	Nov. 1, 1875.	
Major D. Macdonald ...	50	Depty. Supdt. of Reve. Survey, 3rd grade	Dec. 23, 1875	Officiating in 2nd grade.
Captain F. Coddington, s. c. ...	55	...	.....	On furlough, private affairs, 2 years, from 29th March 1876.
" E. W. Samuells, s. c. ...	78	Asst. Supdt. of Reve. Survey, 1st grade	.....	On privilege leave for 3 months, from 25th July 1876.
Lieut. G. W. Martin, s. c. ...	142	...	.....	On furlough, private affairs, 2 years, 15th November 1876.
Major H. C. B. Towner, s. c. ...	59	...	.....	On furlough, private affairs, for 6 months from 25th August 1876.
Captain H. S. Hutchinson, s. c. ...	112	Asst. Supdt. of Reve. Survey, 2nd grade	Oct. 1, 1872.	
W. Lane, Esq. ...	1	Depty. Supdt. of Reve. Survey, 2nd grade	June 20, 1876.	
J. Campbell, Esq. ...	2	Asst. Supdt. of Reve. Survey, 1st grade	Nov. 1, 1874	Officiating Deputy Superintendent of Revenue Survey, 3rd grade.
E. J. Jackson, Esq. ...	86	Ditto ditto, 2nd grade	Dec. 1, 1872.	
Captain S. H. Cowan, s. c. ...	107	...	.....	On furlough, private affairs and medical certificate, 1 year, from 18th July 1876. Extended 4 months.

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

No. sanctioned. 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.	
<b>SUPERINTENDENT.</b>							
1	Colonel J. T. Walker, Royal Engineers	Superintendent					On furlough.
<b>SENIOR BRANCH.</b>							
<b>DEPUTY SUPERINTENDENTS.</b>							
<i>1st Grade—Consolidated salary Rs. 1,600.</i>							
1	Mr. J. B. N. Hennessey, M. A.	Deputy Superintendent, 1st grade...					On furlough.
2	Vacant	Ditto					
<i>2nd Grade—Consolidated salary Rs. 1,300.</i>							
1	Captain H. R. Thuillier, Royal Engineers	Deputy Superintendent, 2nd grade				2,033 10 0	Officiating Superintendent.
2	Major C. T. Haig, Royal Engineers	Ditto	Guzerat Survey			1,740 14 0	Officiating Deputy Superintendent, 1st grade.
3	J. Herschel, Royal Engineers	Ditto	Computing Office			1,482 10 0	
4	B. R. Branfill, Bengal Cavalry	Ditto					On furlough.
<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					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	
<b>ASSISTANT SUPERINTENDENTS.</b>							
<i>1st Grade—Consolidated salary Rs. 750.</i>							
1	Major A. Pullan (Staff Corps)	Asst. Superintendent, 1st grade	Kattywar Survey			1,000 0 0	Officiating Deputy Superintendent, 3rd grade.
2	Captain 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					Ditto.
<i>2nd Grade—Consolidated salary Rs. 600.</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	Kumaun and Garhwál 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.
<b>JUNIOR BRANCH.</b>							
<b>SURVEYORS.</b>							
<i>1st Grade—Salary Rs. 500.</i>							
1	Mr. Harry Duhan	Surveyor, 1st grade	Correspondence 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. Neville	Surveyor, 2nd grade	Kumaun and Garhwál Survey			400 0 0	
2	L. H. Clarke	Ditto	Head-Quarters			400 0 0	
3	W. Todd	Ditto	Kumaun and Garhwál Survey			400 0 0	Leave on private affairs for 4 months, from 20th July 1876.
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	On Medical leave to Australia for 1 year, from 1st November 1875.
3	F. Bell	Ditto				350 0 0	
4	G. Atkinson	Ditto	Drawing Office			350 0 0	
5	Vacant						

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

No. sanctioned. 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.	
<b>SURVEYORS—contd.</b>							
<i>4th Grade—Salary Rs. 300.</i>							
1	Mr. H. Peychers	Surveyor, 4th grade	Computing Office			300 0 0	
2	" G. Belcham	"	Madras Party			300 0 0	
3	" J. W. Mitchell	"	Eastern Frontier Series			300 0 0	
4	" L. J. Pocock	"	"			300 0 0	Transferred to Mysore Topographical Survey.
5	" A. Christie	"	Guzerat Survey			300 0 0	
6	" W. O'Sullivan	"	Assam Survey			300 0 0	
7	" N. C. Gwynne	"	Kattywar Survey			300 0 0	
8	" W. C. Price	"	Jodhpore Series			300 0 0	
9	" C. H. McA'Fee	"	Guzerat Survey			300 0 0	
<b>ASSISTANT SURVEYORS.</b>							
<i>1st Grade—Salary Rs. 250.</i>							
1	Mr. T. H. Rendell	Asst. Surveyor, 1st grade	Tidal and Leveling Party			250 0 0	Transferred to Mysore Topographical Survey.
2	" J. W. Macdougall	"	"			250 0 0	Ditto ditto.
3	" Hugh Todd	"	"			250 0 0	Ditto ditto.
4	" E. J. Connor	"	"			250 0 0	
5	" J. Bond	"	No. 2 Astronomical Party			250 0 0	
6	" C. D. Potler	"	Madras Party			250 0 0	Transferred to Mysore Topographical Survey.
7	" T. Kinney	"	"			250 0 0	
<i>2nd Grade—Salary Rs. 200.</i>							
1	Mr. E. P. Wrixon	Asst. Surveyor, 2nd grade	Assam Party			200 0 0	Leave on private affairs for 6 months from 17th July 1876.
2	" J. Hickie	"	Guzerat Survey			200 0 0	
3	" W. Fielding	"	Kattywar Survey			200 0 0	
4	" G. D. Cusson	"	Guzerat Survey			200 0 0	Transferred to Mysore Topographical Survey.
5	" E. W. Laseon	"	"			200 0 0	Appointed to the Forest Department as Sub-Assistant Conservator, Department of Revenue, Agriculture and Commerce Notification No. 893, dated the 8th September 1876.
6	" E. F. Litchfield	"	"			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	"	Madras Party			160 0 0	Transferred to Mysore Topographical Survey.
3	" W. Oldham	"	"			160 0 0	
4	" J. C. Clancey	"	Eastern Frontier Series			160 0 0	
5	" J. O. Hughes	"	"			160 0 0	
6	" I. Pocock	"	Kumaun and Garhwál Survey			160 0 0	
7	" G. T. Hall	"	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	"	Burma Party			120 0 0	
3	" H. Corkery	"	Kattywar Survey			120 0 0	
4	" P. F. Prunty	"	Jodhpore Series			120 0 0	
5	" J. Keating	"	Computing Office			120 0 0	
6	" S. F. Norman	"	Guzerat Survey			120 0 0	
7	" C. Norman	"	"			120 0 0	
8	" R. F. Warwick	"	Kumaun and Garhwál Survey			120 0 0	
9	" J. M. Kennedy	"	"			120 0 0	Transferred to Mysore Topographical Survey.

General List of Officers of the Great Trigonometrical Survey Department on the 1st October 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 the Department.	Date of appointment to present grade.	*Period of service counting for pension.	Present post.	REMARKS.
			Y. M. D.			Rs. A. P.			Y. M. D.		
1	Mr. W. C. Rossenrode (Senior Branch) ...	Not passed ...	52 10 9	Deputy Superintendent	3rd grade ...	1,000 0 0	Dec. 13, 1838	Apl. 1, 1874	36 10 9	In charge, Eastern Frontier Series	Services reckoned under old rules.
2	" J. B. N. Hennessey, M. A., (Senior Branch).	Ditto ...	47 2 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 8 22	Surveyor	" Ditto	500 0 0	Apl. 22, 1845	Apl. 1, 1866	26 4 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 11 9	Assistant Superintendent	2nd grade ...	700 0 0	Oct. 1, 1851	Apl. 1, 1874	25 0 0	Kattywar Survey	Offg. Assistant Superintendent, 1st grade. Services reckoned under old rules.
5	Colonel J. T. Walker, R. E. ...	Passed ...	49 10 0	Superintendent	"	"	Dec. 1, 1853	Mar. 12, 1861	"	"	On furlough.
6	Mr. W. G. Beverley (Senior Branch)	Not passed ...	40 11 15	Assistant Superintendent	2nd grade ...	700 0 0	July 1, 1854	Apl. 1, 1874	22 3 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.
7	" E. C. Ryall (ditto)	Ditto ...	38 8 15	" Ditto	3rd grade ...	600 0 0	Apl. 25, 1855	" Ditto ...	21 5 6	Kumaun and Garhwál Survey	225 days' sick leave included under old rules. Offg. Asst. Supdt., 2nd grade.
8	" H. Beverley	Ditto ...	37 11 3	Surveyor	1st grade ...	500 0 0	June 14, 1855	Apl. 1, 1871	21 3 17	Eastern Frontier Series	30 days' leave included under old rules.
9	" L. H. Clarke	Ditto ...	42 3 26	" Ditto	2nd grade ...	400 0 0	Nov. 26, 1855	Dec. 1, 1872	20 10 5	Head-Quarters.	"
10	" C. J. Neuville	Ditto ...	42 3 12	" Ditto	" Ditto	400 0 0	Dec. 1, 1855	Oct. 1, 1871	20 10 0	Kumaun and Garhwál Survey	6 months' sick leave included under old rules.
11	" W. Todd	Ditto ...	37 10 21	" Ditto	" Ditto	400 0 0	Jan. 11, 1856	June 1, 1874	18 9 19	" Ditto	Services reckoned under old rules.
12	" A. D'Souza	Ditto ...	39 1 17	" Ditto	1st grade ...	500 0 0	Feb. 19, 1856	Sept. 1, 1875	15 11 17	Guzerat Survey	349 days' furlough, and 77 days' medical leave excluded under new rules.
13	" J. Low	Ditto ...	36 7 0	" Ditto	2nd grade ...	400 0 0	Oct. 1, 1857	Aug. 1, 1875	18 6 0	Burma Party	392 days' sick leave included under old rules.
14	" C. Wood	Ditto ...	34 2 10	" Ditto	3rd grade ...	350 0 0	May 6, 1858	Apl. 1, 1871	18 2 10	Computing Office	Services reckoned under old rules.
15	" H. E. T. Keelan	Ditto ...	33 6 1	" Ditto	" Ditto	350 0 0	Aug. 17, 1858	Apl. 1, 1872	10 8 0	No. 1 Extra Party	9 months and 13 days' furlough excluded under the new rules and 18 days' sick leave.
16	" F. Bell	Lower Standard	34 5 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.
17	Major B. R. Branfill, B. C. ...	Passed ...	42 10 8	Deputy Superintendent	2nd grade ...	1,300 0 0	Oct. 4, 1858	Apl. 1, 1874	"	Depy. Supdt., 2nd grade	In charge, Madras Party.
18	Captain H. R. Thuillier, R. E.	Ditto ...	38 6 5	" Ditto	" Ditto	2,033 10 0	May 21, 1859	" Ditto	"	Offg. Superintendent.	"
19	Mr. G. Atkinson	Not passed ...	32 11 20	Surveyor	3rd grade ...	350 0 0	Aug. 1, 1859	Jan. 1, 1874	16 11 20	Drawing Office	Services reckoned under old rules.
20	Major C. T. Haig, R. E.	Ditto ...	42 2 15	Deputy Superintendent	2nd grade ...	1,740 14 0	Sept. 22, 1859	Apl. 1, 1874	"	Offg. Depy. Supdt., 1st grade	In charge, Guzerat Party.
21	" J. Herschel, R. E.	Passed ...	38 11 1	" Ditto	" Ditto	1,482 10 0	Nov. 12, 1859	" Ditto	"	In charge, Computing Office.	"
22	Mr. J. Peyton	Not passed ...	48 8 2	Surveyor	1st grade ...	500 0 0	Feb. 3, 1860	" Ditto	16 7 26	Guzerat Survey	Services reckoned under old rules.
23	" J. W. Mitchell	Ditto ...	33 1 29	" Ditto	4th grade ...	300 0 0	Sept. 1, 1861	July 1, 1874	15 1 0	Burma Party	Ditto ditto.
24	Captain T. T. Carter, R. E.	Passed ...	38 7 22	Deputy Superintendent	3rd grade ...	"	Mar. 1, 1862	Apl. 1, 1874	"	"	On furlough.
25	Mr. H. Pechers	Not passed ...	33 9 18	Surveyor	4th grade ...	300 0 0	Apl. 8, 1862	June 1, 1874	14 5 23	Computing Office	Services reckoned under old rules.
26	" G. Belcham	Ditto ...	31 7 15	" Ditto	" Ditto	300 0 0	Nov. 1, 1862	" Ditto	13 11 0	Madras Party	Ditto ditto.
27	Major A. Pullan, S. C.	Passed ...	40 6 0	Assistant Superintendent	1st grade ...	1,000 0 0	Jan. 18, 1863	Apl. 1, 1874	"	Offg. Depy. Supdt., 3rd grade	In charge, Kattywar Party.
28	Captain W. M. Campbell, R. E.	Ditto ...	37 2 12	Deputy Superintendent	3rd grade ...	1,383 10 0	Jan. 30, 1863	" Ditto	"	" Ditto, 2nd grade	In charge, No. 2 Extra Party.
29	Mr. L. J. Pocock	Not passed ...	33 5 5	Surveyor	4th grade ...	300 0 0	July 10, 1863	July 1, 1874	11 2 5	Mysore Topographical Survey	80 days' sick leave excluded.
30	" A. Christie	Higher Standard	31 0 1	" Ditto	" Ditto	300 0 0	Aug. 7, 1863	Oct. 1, 1874	9 0 1	Guzerat Survey.	"
31	Captain H. Trotter, R. E.	Not passed ...	35 1 1	Deputy Superintendent	3rd grade ...	"	Sept. 5, 1863	Apl. 1, 1874	"	Offg. Depy. Supdt., 2nd grade	On furlough.
32	Mr. W. O'Sullivan	Ditto ...	32 7 17	Surveyor	4th grade ...	300 0 0	Oct. 1, 1863	Oct. 1, 1874	10 7 18	Assam Survey.	"
33	" N. C. Gwynne	Ditto ...	33 6 25	" Ditto	" Ditto	300 0 0	Oct. 19, 1863	" Ditto	11 6 25	Kattywar Survey.	"
34	" W. C. Price	Ditto ...	30 3 7	" Ditto	" Ditto	300 0 0	Nov. 1, 1863	" Ditto	8 3 7	Jodhpore Series.	"
35	" C. H. McA' Fee	Lower Standard	26 10 15	" Ditto	" Ditto	300 0 0	Sept. 6, 1864	Aug. 1, 1875	4 10 16	Guzerat Survey.	"
36	" T. H. Rendell	Not passed ...	32 2 9	Assistant Surveyor	1st grade ...	250 0 0	Oct. 11, 1864	June 1, 1873	10 2 9	Tidal and Leveling Party.	"
37	" J. W. Macdougall	Ditto ...	31 7 16	" Ditto	" Ditto	250 0 0	March 1, 1865	June 1, 1874	9 7 17	Mysore Topographical Survey.	"
38	" E. J. Connor	Lower Standard	29 1 15	" Ditto	" Ditto	250 0 0	" Ditto	July 1, 1874	5 7 16	" Ditto	"
39	" Hugh Todd	Not passed ...	28 1 15	" Ditto	" Ditto	250 0 0	July 15, 1865	June 1, 1874	7 0 16	Kumaun and Garhwál Survey	30 days' sick leave excluded.
40	" E. P. Wrixon	Ditto ...	30 5 2	" Ditto	2nd grade ...	200 0 0	Oct. 25, 1865	" Ditto	7 11 12	Assam Party.	"
41	Captain W. J. Heaviside, R. E.	Passed ...	36 3 27	Deputy Superintendent	3rd grade ...	1,133 10 0	March 1, 1866	Apl. 1, 1874	"	Depy. Supdt., 3rd grade	In charge, No. 1 Extra Party.
42	" M. W. Rogers, R. E.	Ditto ...	34 7 12	Assistant Superintendent	1st grade ...	1,133 10 0	July 30, 1866	" Ditto	"	In charge, Jodhpore Series	Offg. Depy. Supdt., 3rd grade.
43	Mr. J. Bond	Not passed ...	26 8 24	Assistant Surveyor	" Ditto	250 0 0	Oct. 18, 1866	Oct. 1, 1874	4 8 4	No. 2 Astronomical Party	20 days' sick leave excluded.
44	" C. D. Potter	Tamil, Civil Engineering College, Madras...	31 0 27	" Ditto	" Ditto	250 0 0	Oct. 29, 1866	" Ditto	8 11 23	Madras Party	33 days' leave excluded.
45	Captain J. Hill, R. E.	Not passed ...	35 9 7	Assistant Superintendent	" Ditto	"	Dec. 18, 1866	Apl. 1, 1874	"	"	On furlough.
46	Mr. W. H. Cole, M. A. (Senior Branch)	Higher Standard	38 9 16	" Ditto	" Ditto	"	Jan. 3, 1867	" Ditto	9 2 27	Offg. Depy. Supdt., 3rd grade	Excludes service as Professor of Mathematics, Government College, Agra, from 14th April 1862 to end of February 1864. On furlough.
47	" J. Hickie	Lower Standard	27 8 17	Assistant Surveyor	2nd grade ...	200 0 0	Apl. 29, 1868	June 1, 1874	5 2 17	Guzerat Survey	6 months' medical leave excluded.
48	" W. Fielding	Ditto ...	29 4 13	" Ditto	" Ditto	200 0 0	May 3, 1868	July 1, 1874	6 4 13	Kattywar Survey.	"
49	" G. D. Cusson	Ditto ...	30 0 7	" Ditto	" Ditto	200 0 0	May 8, 1868	Oct. 1, 1874	8 0 7	Guzerat Survey.	"
50	" T. Kinney	Ditto ...	29 4 27	" Ditto	1st grade ...	250 0 0	June 17, 1868	" Ditto	6 11 12	Kumaun and Garhwál Survey	5 months and 15 days' leave on private affairs excluded.
51	" E. F. Litchfield	Ditto ...	24 8 7	" Ditto	2nd grade ...	200 0 0	Nov. 26, 1868	Apl. 1, 1875	2 8 27	" Ditto	"
52	Captain A. Baird, R. E.	Passed ...	34 4 26	Assistant Superintendent	" Ditto	890 0 0	Dec. 4, 1868	Apl. 1, 1874	"	Offg. Asst. Supdt., 1st grade	In charge, Bombay Tidal and Leveling Party.
53	Mr. C. P. Torrens	Not passed ...	26 3 11	Assistant Surveyor	3rd grade ...	160 0 0	Dec. 12, 1868	Apl. 1, 1873	4 3 11	Jodhpore Series.	"
54	Captain J. R. McCullagh, R. E.	Passed ...	34 6 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 longest been 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.

the Uncovenanted Civil Service Rules.

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

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 the Department.	Date of appointment to present grade.	* Period of service counting for pension.	Present post.	REMARKS.
									Y. M. D.		
			Y. M. D.			Rs. A. P.			Y. M. D.		
55	Mr. E. W. Laserson ...	Not passed ...	32 5 7	Assistant Surveyor ...	2nd grade ...	200 0 0	May 1, 1869	Oct. 1, 1874	7 5 0	Madras Party.	
56	" A. Bryson ...	Ditto ...	27 1 1	Ditto ...	3rd grade ...	160 0 0	Sept. 20, 1869	Oct. 1, 1873	5 1 1	Ditto.	
57	" W. Oldham ...	Ditto ...	23 9 15	Ditto ...	Ditto ...	160 0 0	Oct. 15, 1871	June 1, 1874	1 9 15	Kattywar Survey.	
58	Lieut. H. J. Harman, R. E. ...	Ditto ...	26 4 17	Assistant Superintendent ...	Ditto ...	820 0 0	June 3, 1872	Apr. 1, 1874	...	Offg. Asst. Supdt., 2nd grade ...	In charge, Assam Survey.
59	Mr. J. C. Clancey ...	...	22 0 13	Assistant Surveyor ...	Ditto ...	160 0 0	Sept. 30, 1872	Oct. 1, 1874	0 0 13	Eastern Frontier Series.	
60	" J. O. Hughes ...	...	21 1 8	Ditto ...	Ditto ...	160 0 0	Oct. 14, 1872	Apr. 1, 1875	...	Ditto ...	2 months and 22 days' sick leave excluded.
61	" Irvin Pocock ...	...	27 4 9	Ditto ...	Ditto ...	160 0 0	Oct. 28, 1872	Ditto ...	3 11 4	Kumaun and Garhwál Survey ...	Previous service in the Stud Department, from 1st March 1869 to 23rd October 1872.
62	" G. T. Hall ...	Lower Standard ...	24 5 24	Ditto ...	Ditto ...	160 0 0	Nov. 22, 1872	Aug. 1, 1875	2 5 24	Kattywar Survey.	
63	Lieut. St. G. C. Gore, R. E. ...	...	27 7 8	Assistant Superintendent ...	Ditto ...	670 0 0	Apr. 11, 1873	Apr. 1, 1874	...	Transferred to the Topographical branch under the Surveyor General ...	Officiating Assistant Superintendent, 2nd grade.
64	" J. E. Gibbs, R. E. ...	Lower Standard ...	26 6 30	Ditto ...	Ditto ...	670 0 0	Aug. 15, 1873	Ditto ...	...	Guzerat Survey	Ditto ditto.
65	Mr. J. F. McCarthy ...	...	23 5 2	Assistant Surveyor ...	4th grade ...	120 0 0	Aug. 1, 1873	Aug. 1, 1873	1 5 2	Assam Party.	
66	" D. J. Collins ...	...	22 4 27	Ditto ...	Ditto ...	120 0 0	Oct. 6, 1873	Oct. 6, 1873	0 4 27	Burma Party.	
67	" H. Corkery ...	Lower Standard ...	25 1 10	Ditto ...	Ditto ...	120 0 0	Nov. 20, 1873	Nov. 20, 1873	2 10 11	Kattywar Survey.	
68	" P. F. Prunty ...	...	21 9 6	Ditto ...	Ditto ...	120 0 0	May 9, 1874	May 9, 1874	...	Jodhpore Series.	
69	" J. Keating ...	...	22 4 27	Ditto ...	Ditto ...	120 0 0	June 1, 1874	June 1, 1874	0 4 27	Computing Office.	
70	" S. F. Norman ...	...	22 1 23	Ditto ...	Ditto ...	120 0 0	Sept. 1, 1874	Sept. 1, 1874	0 1 23	Guzerat Survey.	
71	" C. Norman ...	Lower Standard ...	20 4 12	Ditto ...	Ditto ...	120 0 0	Oct. 12, 1874	Oct. 12, 1874	...	Ditto.	
72	" R. F. Warwick ...	Ditto ...	21 6 2	Ditto ...	Ditto ...	120 0 0	July 2, 1875	July 2, 1875	...	Kumaun and Garhwál Survey.	
73	" J. M. Kennedy ...	...	19 10 28	Ditto ...	Ditto ...	120 0 0	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),

\* Applies only to Officers who are under the Uncovenanted Civil Service Rules.

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 have been arranged in consecutive order.

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

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party, from 1st Apl. 1876 to 31st Mar. 1876.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Barkhandazes.	Jemadars.	
		No.	No.	No.	No.	No.	No.	Rs.
	<i>Madras Party.</i> On the Ramnad Longitudinal Series, parallel 9½°, recess quarters at Bangalore	...	...	46	1	17	...	44,540
	<i>Eastern Frontier Series.</i> British Burma, recess quarters at Moulmein	...	...	86	2	12	11	56,068
	<i>Burma Party.</i> British Burma, recess quarters at Moulmein	...	2	36	1	7	...	36,363
	<i>Kumaun and Garhwál Party.</i> A portion of this party was employed in the Snowy Rauges of Kumaun and Garhwál, and remainder in Dehra Dún	20	...	154	1	17	...	74,681
	<i>Assam Valley Triangulation.</i> Assam, recess quarters at Shillong	...	...	54	1	12	...	41,842
	<i>Jodhpore Series.</i> In the Jodhpore, Jesulmeer and Bikaneer States, recess quarters at Mount Aboo	...	...	50	1	14	...	36,187
	<i>Kattywar Party.</i> The Province of Kattywar, Bombay Presidency, recess quarters at Poona	15	1	128	1	26	...	73,903

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Captain W. M. Campbell, R. E. Mr. G. Belcham " C. D. Potter " A. Bryson	... 26 44 56	Offg. Depy. Supdt., 3rd Grade Surveyor, 4th Grade. Assistant Surveyor, 2nd Grade. Ditto, 3rd do.	... May 9, 1876.	
W. C. Rossenrode, Esq. Mr. H. Beverley " J. C. Clancey " J. O. Hughes	... 1 8 59 60	Deputy Superintendent, 3rd Grade Surveyor, 1st Grade. Assistant Surveyor, 3rd Grade. Ditto, 3rd do.	... Oct. 1, 1873.	
W. G. Beverley, Esq. Mr. J. Low " J. W. Mitchell " D. J. Collins	... 6 13 23 66	Offg. Asst. Supdt., 1st Grade Surveyor, 2nd Grade. Ditto, 4th do. Assistant Surveyor, 4th Grade.	... Oct. 1, 1874.	
Mr. E. C. Ryall " C. J. Neuville " W. Todd " E. F. Litchfield " J. Pocock " R. F. Warwick	... 7 10 11 51 61 72	Offg. Asst. Supdt., 2nd do. Surveyor, 2nd do. Ditto, 2nd do. Assistant Surveyor, 2nd do. Ditto, 3rd do. Ditto, 4th do.	... Apl. 4, 1876.	
Lient. H. J. Harman, R. E. Mr. W. O'Sullivan " E. P. Wrixon " J. F. McCarthy	... 58 32 40 65	Offg. Asst. Supdt., 2nd Grade Assistant Surveyor, 1st do. Ditto, 2nd do. Ditto, 4th do.	... Oct. 6, 1874.	
Captain M. W. Rogers Mr. W. C. Price " C. P. Torrens " P. F. Prunty	... 42 34 53 68	Offg. Depy. Supdt., 3rd Grade Surveyor, 4th do. Assistant Surveyor, 3rd do. Ditto, 4th do.	... Nov. 20, 1874.	
Major A. Pullan, s. c. Mr. J. McGill " J. Peyton " F. Bell " N. C. Gwynne " W. A. Fielding " G. T. Hall " H. Corkery	... 27 4 22 16 33 48 62 67	Offg. Depy. Supdt., 3rd Grade Offg. Asst. Supdt., 1st do. Surveyor, 1st Grade Ditto, 3rd do. Ditto, 4th do. Assistant Surveyor, 2nd do. Ditto, 3rd do. Ditto, 4th do.	... Apl. 6, 1873.	On medical leave to Australia.

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

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party, from 1st Apl. 1876 to 31st Mar. 1876.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Barkandazes.	Jemadars.	
	<i>Guzerat Party.</i>	No.	No.	No.	No.	No.	No.	Rs.
	Guzerat, recess quarters at Poona ... ..	11	1	112	1	26	1	86,239
	<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	...	21,441
	<i>No. 2 Extra Party.</i>							
	Carrying on Electric determinations of Longitude in the Madras and Bombay Presidencies, recess quarters at Bangalore ... ..	...	1	10	...	...	...	22,210
	<i>Bombay Tidal and Leveling Party.</i>							
	Gulf of Cutch and Kattywar ... ..	9	2	36	1	12	...	30,318

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Major C. T. Haig, R. E. ... Lieut. J. E. Gibbs, R. E. ... Mr. A. D'Souza ... " A. Christie ... " C. H. McA'Fee ... " J. Hickio ... " G. D. Cusson ... " S. F. Norman ... " C. Norman ...	20 64 12 30 35 47 44 70 71	Deputy Superintendent, 2nd Grade ... Offg. Asst. Supdt., 2nd Grade. Surveyor, 1st Grade Ditto, 4th do. Ditto, 4th do. Asst. Surveyor, 2nd Grade. Ditto, 2nd do. Ditto, 4th do. Ditto, 4th do.	Sep. 23, 1871.	
Captain W. J. Heaviside, R. E. ... Mr. H. E. T. Keelan ...	41 15	Depy. Supdt., 3rd Grade Surveyor, 3rd do.	Dec. 20, 1875.	
Captain W. M. Campbell, R. E. ... Mr. J. Bond ...	28 43	Offg. Depy. Supdt., 2nd Grade Asst. Surveyor, 1st do.	Aug. 1, 1875.	
Captain A. Baird, R. E. ... Mr. T. H. Rendell ...	52 36	Offg. Asst. Supdt., 1st Grade Assistant Surveyor, 1st do.	On the formation of the Party, 1st September 1872.	



Classified List of Officers of the Mysore Revenue Survey Department as it stood on the 1st October 1876.

1 No. of Officers in each grade.	2 NAMES.	3 Substantive Appointment.	4 Duty on which at present employed.	5 SALARIES, INCLUDING ALLOWANCES.				9 REMARKS.
				6 TO MILITARY OFFICERS.			7 TO CIVILIANS.	
				5 Military Pay and Allowances.	6 Staff Pay.	7 Aggregate Pay and Allowances.	8 Civil Consolidated Salary.	
						Rs. A. P.	Rs. A. P.	
1	The Hon'ble Colonel W. C. Anderson	Survey and Settlement Commissioner	Survey and Settlement Commissioner			1,247 3 6		
1	Major J. P. Grant	Superintendent	Superintendent			1,565 14 0		
1	" J. W. M. Anderson	Deputy Superintendent	Deputy Superintendent			995 0 0		
	1st Grade.							
1	Captain J. Rutherford	Assistant Superintendent	Assistant Superintendent, 1st grade			795 0 0		
2	" G. Mackenzie	Ditto	Ditto, 1st grade			795 0 0		
3	" F. W. Major	Ditto	Ditto, 1st grade			795 0 0		
4	" J. B. Lawrence	Ditto	Ditto, 1st grade			795 0 0		
5	Mr. E. H. Butcher	Ditto	Ditto, 1st grade				795 0 0	
	2nd Grade.							
1	Captain M. F. Coussmaker	Assistant Superintendent	Assistant Superintendent, 2nd grade			695 0 0		
2	" R. L. Price	Ditto	Ditto, 2nd grade			695 0 0		On leave on medical certificate to Europe for 2 years, from 24th June 1876.
3	Mr. J. P. Barker	Ditto	Ditto, 2nd grade				695 0 0	
4	Lieutenant A. H. Macintire	Ditto	Ditto, 2nd grade				695 0 0	
5	Mr. G. F. Meiklejohn	Ditto	Ditto, 2nd grade				695 0 0	
6	Captain D. Cowie	Ditto	Ditto, 2nd grade				695 0 0	
7	Mr. W. E. A. James	Ditto	Ditto, 2nd grade				695 0 0	
	3rd Grade.							
1	Mr. F. B. Clerk	Assistant Superintendent	Assistant Superintendent, 3rd grade				560 0 0	
2	Lieutenant A. McCally	Ditto	Ditto, 3rd grade				560 0 0	
3	Mr. G. R. Betham	Ditto	Ditto, 3rd grade				560 0 0	

General List of Officers of the Mysore Revenue Survey Department on the 1st October 1876.

1 Genl. Seniority Number.	2 NAMES.	3 Passed in the Vernacular.	4 Age.	5 Rank.	6 Grade.	7 Salary.	8 Date of first appointment to the Department.	9 Date of appointment to present grade.	10 *Period of service counting for pension.	11 Present post.	12 REMARKS.
			Y. M. D.			Rs. A. P.			Y. M. D.		
1	The Hon'ble Col. W. C. Anderson	All have passed in the Vernacular.	54 2 5	Survey and Settlement Commissioner		1,100 0 0	Sept. 28, 1863	Sept. 28, 1863	...	Survey and Settlement Commissioner.	
2	Major J. P. Grant		38 6 0	Superintendent		1,074 0 0	Nov. 1, 1863	Jan. 15, 1868	...	Superintendent.	
3	" J. W. M. Anderson		38 11 20	Deputy Superintendent		800 0 0	Nov. 27, 1863	Nov. 27, 1873	...	Deputy Superintendent.	
4	Captain J. Rutherford		34 8 22	Assistant Superintendent		600 0 0	Feb. 1, 1865	July 1, 1873	...	Assistant Superintendent.	
5	" F. W. Major		36 2 3	Ditto	1st grade Asst.	600 0 0	April 23, 1865	Jan. 5, 1875	...	Ditto.	
6	Mr. E. H. Butcher		40 3 2	Ditto	Ditto	600 0 0	Oct. 2, 1865	Mar. 26, 1876	10 11 29	Ditto.	
7	Captain M. F. Coussmaker		33 4 20	Ditto	Ditto	500 0 0	Dec. 24, 1865	Jan. 26, 1870	...	Ditto.	
8	Mr. J. P. Barker		29 0 16	Ditto	Ditto	500 0 0	Dec. 22, 1866	Dec. 1, 1873	7 0 2	Ditto.	On leave on medical certificate to Europe for 2 years from 24th June 1876.
9	" G. F. Meiklejohn		27 9 8	Ditto	Ditto	500 0 0	Nov. 30, 1867	June 1, 1874	5 8 23	Ditto.	
10	" W. E. A. James		34 3 25	Ditto	Ditto	500 0 0	Dec. 1, 1867	June 8, 1876	7 4 9	Ditto.	
11	" F. B. Clerk		32 1 13	Ditto	Ditto	425 0 0	Jan. 16, 1868	Nov. 26, 1872	8 8 15	Ditto.	
12	Captain J. B. Lawrence		34 11 3	Ditto	3rd grade Asst.	600 0 0	Jan. 15, 1869	Mar. 10, 1876	...	Ditto.	
13	Lieutenant A. H. Macintire		28 7 11	Ditto	1st grade Asst.	500 0 0	Dec. 6, 1869	Jan. 8, 1871	...	Ditto.	
14	Captain D. Cowie		35 9 15	Ditto	Ditto	500 0 0	Dec. 3, 1870	Dec. 2, 1874	...	Ditto.	
15	Lieutenant A. McCally		32 10 24	Ditto	Ditto	425 0 0	Jan. 18, 1872	May 1, 1876	...	Ditto.	
16	" R. L. Price		33 9 20	Ditto	3rd grade Asst.	500 0 0	Nov. 1, 1872	Oct. 23, 1872	...	Ditto.	
17	Captain G. Mackenzie		35 2 28	Ditto	2nd grade Asst.	600 0 0	Oct. 24, 1873	Dec. 24, 1871	...	Ditto.	
18	Mr. G. R. Betham		26 0 0	Ditto	1st grade Asst.	425 0 0	Nov. 1, 1873	May 27, 1876	3 11 17	Ditto.	

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 the Department (column 8), and period of service counting for pension (column 10).

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

Number of Party.	Where employed.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party from 1st Oct 1874 to 30th Sept. 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.	Ra.					
1	Mysore Province ... ..	...	2	2	...	...	4	18,369	The Hon'ble Col. W. C. Anderson	1	Survey and Settlement Commissioner ...	Sept. 28, 1863.	
2	Ditto ... ..	...	2	58	...	31	11	39,084	Major J. P. Grant	2	Superintendent	Jan. 15, 1868.	
3	Ditto ... ..	...	2	7	...	...	4	21,312	" J. W. M. Anderson	3	Deputy Superintendent	Nov. 1, 1869.	
<i>Measuring Establishments.</i>													
4	Kadur and Tunkur Districts ... ..	24	...	3	4	...	2	15,986	Captain Cowie	14	Assistant Supdt., 2nd grade	Dec. 2, 1871.	
5	Hassan District ... ..	27	...	2	5	...	2	17,072	" J. R. Lawrence	12	Ditto, 1st grade	Oct. 28, 1870.	
6	Kolar and Bangalore Districts ... ..	27	...	2	4	...	2	15,283	Mr. F. R. Clerk	11	Ditto, 3rd grade	Nov. 26, 1869.	
7	Hassan District ... ..	27	...	2	4	...	2	13,882	" G. R. Betham	18	Ditto, 3rd grade	April 15, 1875.	
8	Kadur and Tunkur Districts ... ..	24	...	2	4	...	2	16,282	" G. R. Betham	16	Ditto, 2nd grade	Sept. 10, 1875.	
9	Kadur and Hassan Districts ... ..	26	...	2	5	...	2	15,884	Captain R. L. Price	13	Ditto, 2nd grade	Dec. 8, 1870.	
10	Bangalore District ... ..	23	...	2	4	...	2	12,930	Lieut. A. H. Macintire	15	Ditto, 3rd grade	Nov. 8, 1874.	
11	Hassan and Tunkur Districts ... ..	23	...	2	4	...	2	17,867	Captain A. McCally	17	Ditto, 1st grade	Nov. 5, 1873.	
12	Kadur and Hassan Districts ... ..	23	...	2	6	...	2	16,068	" G. Mackenzie	8	Ditto, 2nd grade	Dec. 1, 1867.	
13	Hassan and Tunkur Districts ... ..	24	...	3	5	...	2	15,028	Mr. J. B. Barker	10	Ditto, 2nd grade	April 19, 1873.	
14	Kadur, Tunkur and Bangalore Districts ... ..	14	...	1	5	...	2	10,442	" W. E. A. James	9	Ditto, 2nd grade	Sept. 10, 1875	Mr. Meiklejohn relieved Captain Cousemaker who proceeded to Europe on medical certificate.
TOTAL		262	6	90	50	31	41	2,44,457					
<i>Classing Establishments.</i>													
15	Shimoga and Bangalore Districts ... ..	12	...	1	1	...	2	11,619	Mr. G. F. Meiklejohn	7	Assistant Supdt., 2nd grade	May 11, 1875.	
16	Hassan and Kadur Districts ... ..	14	...	1	3	...	2	14,680	" E. H. Butcher	6	Ditto, 1st grade	Jan. 26, 1867.	
17	Kadur and Hassan Districts ... ..	14	...	1	3	...	2	15,813	Captain F. W. Major	5	Ditto, 1st grade	April 15, 1875.	
18	Shimoga, Tunkur and Bangalore Districts ... ..	3	...	...	...	...	...	3,213	Mr. G. F. Meiklejohn	9	Ditto, 2nd grade	Sept. 10, 1875	Is a branch of Party No. 14.
TOTAL		43	...	3	7	...	6	45,305					
GRAND TOTAL		305	6	93	57	31	47	2,89,762					

**Classified List of Officers of the Berar Revenue Survey Department on the 1st October 1876.**

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

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

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	On 3 months' privilege leave, from 21st August 1876.
.....	.....	795 0 0	.....	

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

**General List of Officers of the Berar Revenue Survey Department on the 1st October 1876.**

1	2	3	4	5	6	7
Genl. Seniority Number.	NAMES.	Passed in the Vernacular.	Age on 15th October.	Rank.	Grade.	Salary.
			Y. M. D.			Rs. A. P.
1	Mr. R. R. Beynon ... ..	Passed ...	36 11 3	Superintendent	3rd grade	1,175 0 0
2	Captain C. C. Pemberton ... ..	Ditto ...	36 9 6	Assistant Superintendent	1st grade	795 0 0

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

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.
			Y. M. D.		
May 4, 1874	Oct. 30, 1859	Omitted in accordance with instructions contained in letter No. 237, dated the 14th July 1874, from the Govt. of India in the Dept. of Reve., Agriculture and Commerce.	13 6 9	Superintendent	Service under 22 years of age and period on leave to Europe have been deducted. On 3 months' privilege leave, from 21st August 1876.
Feb. 2, 1873	Sept. 9, 1864		...	Assistant Superintendent.	

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

**Disposition List of Officers of the Berar Revenue Survey Department on the 1st October 1876.**

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 Oct. 1875 to 30th Sept. 1876.
		Sub-Surveyors.	English Clerks.	Carakoons.	Mappers.	Peons.	TOTAL.			
		No.	No.	No.	No.	No.	No.		Rs.	
1	East and West Berar ...	1	1	17	20	13	52	Omitted in accordance with instructions contained in letter No. 237, dated the 14th July 1874, from the Government of India, in the Department of Revenue, Agriculture and Commerce.	30,488	
2	Wán, Bassim, Akola and Buldana Districts ...	17	...	3	...	3	23		20,244	
	<b>TOTAL</b> ...	18	1	20	20	16	75	50,732		

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	On 3 months' privilege leave, from 21st August 1876.
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 October 1876.

No. sanctioned. No. existing in each grade.	NAMES.	Substantive Appoint- ment.	Survey Party to which at present attached.	Present Pay.	REMARKS.
<b>SCIENTIFIC OFFICERS.</b>					
				Rs. A. P.	
1	1 Commander A. D. Taylor, late I. N., F. R. G. S. ... ..	Supdt. of Marine Sur- veys ... ..	... ..	1,800 0 0	
1	1 Staff Commander J. H. Ellis, R. N.	Deputy Supdt. of Marine Surveys, 1st grade ... ..	... ..	900 0 0	
1	1 Navg. Lieut. F. W. Jarrad, R. N., F. R. G. S. ... ..	Ditto, 2nd grade ...	Survey of Madras Roadstead...	650 0 0	Exclusive of Rs. 50 per men- sem as draughtsman.
3	... <i>Assistant Superintendents, 1st Grade.</i>				
1	1 Navg. Lieut. G. C. Hammond, R. N. ... ..	Asst. Supdt., 1st grade	... ..	575 0 0	On leave for 6 months, from the 16th May 1876, vide H. A. and C. Dept. telegram dated the 10th May 1876.
2	Vacant ... ..	Ditto, 1st grade	... ..		
3	Vacant ... ..	Ditto, 1st grade	... ..		
4	... <i>Assistant Superintendents, 2nd Grade.</i>				
1	1 Navg. Sub-Lieut. E. W. Petley, R. N. ... ..	Asst. Supdt., 2nd grade	Preparing the I. G. S. S. <i>Clyde</i> for the work to be done during the ensuing season of 1876-77	375 0 0	
2	2 Mr. M. Chapman, late I. N. ...	Ditto, 2nd grade	... ..	375 0 0	On furlough for 1 year from the 1st May 1876, vide R. A. and C. Dept. Notifi- cation No. 358, dated 7th April 1876.
3	Vacant ... ..	Ditto, 2nd grade	... ..		
4	4 Mr. P. J. Falle ... ..	Ditto, 2nd grade	Survey of Madras Roadstead ...	300 0 0	
2	... <i>Assistant Superintendents, 3rd Grade.</i>				
1	1 Vacant ... ..	Asst. Supdt., 3rd grade.			
2	2 Ditto ... ..	Ditto, 3rd grade.			
<b>CIVIL OFFICERS.</b>					
1	... <i>Supdt., Drawing Branch.</i>				
1	1 Mr. R. C. Carrington ... ..	Superintendent, Draw- ing Branch ... ..	... ..	700 0 0	
1	... <i>Medical Officer and Naturalist.</i>				
1	1 Surgeon J. Armstrong, B. A. ...	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 October 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.
<b>SCIENTIFIC OFFICERS.</b>						
1	Commander A. D. Taylor, late I. N. ...	...	51 1 1	Superintendent of Marine Surveys	...	1,800 0 0
2	Staff Commander J. H. Ellis, R. N. ...	...	40 9 8	Depy. Supdt. of Marine Surveys ...	1st grade ...	900 0 0
3	Navg. Lieut. F. W. Jarrad, R. N. ...	Hindustani	32 6 18	Ditto ...	2nd grade ...	650 0 0
4	„ Lieut. G. C. Hammond, R. N. ...	L. S.	30 0 0	Assistant Superintendent	1st grade ...	575 0 0
5	Vacant ...	...	...	Ditto ...	Ditto ...	...
6	Vacant ...	...	...	Ditto ...	Ditto ...	...
7	Navg. Sub-Lieut. E. W. Petley, R. N. ...	...	26 4 7	Ditto ...	2nd grade ...	375 0 0
8	Mr. M. Chapman, late I. N. ...	...	33 10 0	Ditto ...	Ditto ...	375 0 0
9	Vacant ...	...	...	Ditto ...	Ditto ...	...
10	Mr. P. J. Falle ...	...	28 9 19	Ditto ...	Ditto ...	300 0 0
<b>CIVIL OFFICERS.</b>						
1	Mr. R. C. Carrington ...	Hindustani	38 3 0	Supdt., Drawing Branch	...	700 0 0
2	Surgeon J. Armstrong, B. A. ...	L. S. Ditto ...	29 11 2	Medical Officer and Naturalist	...	400 0 0

\* Exclusive of Indian Navy service.

Disposition List of Officers of the Marine

Name of Surveying Vessels.	Where employed.	STRENGTH OF CREW.				Cost of Vessels from 1st April to 30th September 1876.
		Surveying Amanuensis.	Warrant Officers.	Engineer Officers.	Ship's Company.	
						Rs. A. P.
	Calcutta—Head Quarters ...	...	...	...	...	...
	Madras Roadstead ...	...	...	...	...	...
I. G. S. S. <i>Clyde</i> ...	In recess ...	...	4	3	66	12,059-2-19*

\* Exclusive of cost of repairs, provisions, and stores, &c., which has not yet been furnished by the Examiner of Dockyard Accounts, although thrice called for.

Survey Department on the 1st October 1876.

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	2 2 3*	Superintendent of Marine Surveys	Exclusive of Indian Navy service.
Nov. 19, 1874	Nov. 19, 1874	19 6 0	Depy. Supdt. of Marine Surveys, 1st grade.	
Nov. 19, 1874	Dec. 1, 1875	10 3 15	Depy. Supdt. of Marine Surveys, 2nd grade.	
Nov. 19, 1874	Nov. 19, 1874	4 3 0	Asstt. Superintendent, 1st grade	Leave for 8 months.
Nov. 19, 1874	Nov. 19, 1874	†	...	
Jan. 21, 1875	Jan. 21, 1875	5 10 0*	Asstt. Superintendent, 2nd grade	Furlough for one year.
Nov. 1, 1874	July 20, 1876	7 9 18	...	
Dec. 26, 1874	Dec. 26, 1874	17 6 0	Superintendent, Drawing Branch.	
Jan. 24, 1875	Jan. 24, 1875	2 6 0	Medical Officer and Naturalist.	

† Counts no service at present according to Navy Rules.

Survey Department on the 1st October 1876.

Officer in Charge, and Assistant Superintendents.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Commander A. D. Taylor, F. R. G. 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. F. R. G. S.	3	Depy. Supdt. of Marine Surveys, 2nd grade.	Sep. 9, 1876	
Mr. P. J. Falle	10	Asst. Superintendent, 2nd grade.	...	
Navg. Sub-Lieutenant E. W. Petley, R. N.†	7	Asst. Superintendent, 2nd grade	Sep. 5, 1876.	
Surgeon J. Armstrong, B. A.	2	Medical Officer and Naturalist.	...	
Navg. Lieutenant G. C. Hammond, R. N.	4	Asst. Superintendent, 1st grade	...	On leave for six months, vide B. A. and C. Department telegram dated the 10th May 1876.
Mr. Morris Chapman, late I. N.	8	Asst. Superintendent, 1st grade.	...	Furlough for one year, vide B. A. and C. Department notification No. 356, dated 7th April 1876.

† Sub-Lieutenant Petley is preparing the *Clyde* for the work to be done during the ensuing season of 1876-77.

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

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Duty on which at present engaged.
1	H. B. Medicott, 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. R. S., F. G. S. ...	Senior Depy. Supdt. for Bombay ...	Sindh ...
2	W. Theobald ...	Deputy Superintendent for Bengal ...	On furlough ...
3	W. King, Jr., A. B., F. G. S. ...	Deputy Superintendent for Madras ...	Godaveri District ...
4	R. B. Foote, F. G. S. ...	Assistant, Geological Survey ...	Kistna and Godaveri District ...
	<i>2nd Grade, Rs. 500, rising to Rs. 700.</i>		
1	A. B. Wynne, F. G. S. ...	Assistant, Geological Survey ...	Upper Punjab ...
2	F. R. Mallet, F. G. S. ...	Ditto ...	Head-Quarters ...
3	T. W. H. Hughes, A. R. S. M., F. G. S. ...	Ditto ...	Satpura Coal-field ...
4	W. L. Willson ...	Ditto ...	Bundelkund ...
5	V. Ball, A. M., F. G. S. ...	Ditto ...	Bastar and Jaypur ...
	<i>3rd Grade, Rs. 300, rising to Rs. 500.</i>		
1	F. Fedden, A. R. S. M., F. G. S. ...	Assistant, Geological Survey ...	Sindh ...
2	C. A. Hacket ...	Ditto ...	Rajputana ...
3	A. Tween, A. R. S. M. ...	Curator and Registrar ...	On leave ...
4	R. Lydekker, A. B. ...	Assistant, Geological Survey ...	Head-Quarters ...
5	O. Feistmantel, M. D. ...	Ditto ...	Ditto ...
	<i>Ungraded Officers.</i>		
	Vacant ...	Mining Geologist ...	...
	T. H. Turner ...	Assistant Curator ...	Head-Quarters ...
	J. Schaumburg ...	Artist ...	Ditto ...
	W. R. Bion ...	Head Clerk and Librarian ...	Ditto ...
	Kissen Singh ...	Apprentice ...	To go with Mr. Theobald ...
	Ram Singh ...	Ditto ...	Mr. Fedden ...
	Hera Lall ...	Ditto ...	Ditto Mr. Blanford ...

SALARY INCLUDING ALLOWANCE.				REMARKS.
Pay.	Travelling and Horse Allowance.	Additional Pay as Deputy Superintendent.	Total Pay and Allowance.	
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	On furlough.
1,000 0 0	130 0 0	100 0 0	1,230 0 0	
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	Acting in 1st grade, vice Mr. Theobald, on furlough.
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, acting in 1st grade.
500 0 0	130 0 0	.....	630 0 0	
500 0 0	150 0 0	.....	650 0 0	
400 0 0	130 0 0	.....	530 0 0	
350 0 0	130 0 0	.....	480 0 0	
.....	.....	.....	.....	Vacancy caused by death of Mr. Mark Fryar.
275 0 0	.....	.....	275 0 0	
300 0 0	.....	.....	300 0 0	
200 0 0	.....	.....	200 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 October 1876.

Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
						Rs.
			Y. M. D.			
1	W. Theobald ...	...	47 5 14	Depy. Supdt. for Bengal ...	1st grade ...	1,000
2	H. B. Medicott, A. M., F. G. S. ...	...	47 1 29	Supdt., Geol. Survey ...	No grade ...	1,800
3	W. T. Blanford, A. R. S. M., F. R. S., F. G. S. ...	...	43 11 25	Senior Depy. Supdt. for Bombay ...	1st grade ...	1,400
4	William King, Jr., A. D., F. G. S. ...	...	43 2 16	Depy. Supdt. for Madras ...	Ditto ...	1,000
5	W. L. Willson ...	...	53 4 1	Asst., Geol. Survey ...	2nd grade ...	700
6	R. B. Foote, F. G. S. ...	...	42 0 9	Ditto ...	1st grade ...	1,000
7	F. R. Mallet, F. G. S. ...	...	35 7 19	Ditto ...	2nd grade ...	700
8	A. Tween, A. R. S. M. ...	Oct. 5, 1868	54 10 26	Curator and Registrar ...	3rd grade ...	600
9	F. Fedden, A. R. S. M., F. G. S. ...	Oct. 26, 1869	37 6 10	Asst., Geol. Survey ...	Ditto ...	600
10	C. A. Hacket ...	Oct. 5, 1868	43 2 20	Ditto ...	Ditto ...	600
11	T. W. H. Hughes, A. R. S. M., F. G. S. ...	Aug. 3, 1868	33 1 30	Ditto ...	2nd grade ...	700
12	A. B. Wynne, F. G. S. ...	Nov. 9, 1868	40 11 17	Ditto ...	Ditto ...	700
13	V. Ball, A. M., F. G. S. ...	Oct. 1, 1867	33 2 18	Ditto ...	Ditto ...	700
14	R. Lydekker, A. B. ...	Apl. 5, 1875	27 2 7	Ditto ...	3rd grade ...	400
15	O. Feistmantel, M. D. ...	Oct. 4, 1875	27 10 10	Ditto ...	Ditto ...	360
	<i>Ungraded Officers.</i>					
	Vacant ...	...	...	Mining Geologist ...	No grade ...	275
	T. H. Turner ...	...	36 3 6	Asst. Curator ...	Ditto ...	300
	J. Schaumburg ...	...	37 2 30	Artist ...	Ditto ...	300
	W. R. Bion ...	...	24 3 15	Head Clerk & Librarian ...	Ditto ...	75
	Kissen Singh ...	...	*	Apprentice ...	Ditto ...	50
	Ram Singh ...	...	*	Ditto ...	Ditto ...	50
	Hera Lall ...	...	*	Ditto ...	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	Apl. 1, 1876	23 4 21	On furlough.	
Mar. 24, 1854	Ditto ...	21 6 19	At Head-Quarters.	
Oct. 1, 1855	Ditto ...	18 6 9	Sindh.	
Mar. 4, 1857	Apl. 21, 1875	18 3 28	Godaveri District.	
Ditto ...	Ditto ...	18 3 28	Bundelkund.	
Sept. 28, 1858	Apl. 1, 1876	16 7 8	Kistna and Godaveri District.	
Feb. 12, 1859	May 1, 1872	12 7 19	At Head-Quarters.	
May 12, 1859	May 1, 1866	15 0 6	On 6 months' leave.	
Oct. 1, 1860	Ditto ...	13 4 12	Sindh.	
Nov. 11, 1861	Ditto ...	13 7 29	Rajputana.	
Nov. 11, 1862	Apl. 21, 1875	9 9 22	Satpura Coal-field.	
Nov. 13, 1862	Mar. 31, 1869	11 2 25	Upper Punjab.	
Oct. 29, 1864	Apl. 1, 1876	11 2 18	Bastar and Jaypur.	
Nov. 26, 1874	Nov. 26, 1874	1 10 5	At Head-Quarters.	
Mar. 25, 1875	Mar. 25, 1875	1 6 6	Ditto.	
Apl. 1, 1869	Apl. 1, 1869	7 6 0	Head-Quarters.	
Apl. 12, 1869	July 7, 1874	7 5 19	Ditto.	
Dec. 12, 1870	Aug 31, 1876	1 6 0	Ditto.	
Jan. 7, 1874	Jan. 7, 1874	...	To go with Mr. Theobald.	
Ditto ...	Ditto ...	...	Mr. Fedden.	
Ditto ...	Ditto ...	...	Mr. Blanford.	

\* Ages not known.

Disposition List of the Officers of the Geological Survey of India on the 1st October 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 Establishment.	Where employed during last three years.	Annual cost (salary, contingencies, travelling allowance of officers and their subordinates, if any).*	REMARKS.		
					1st Grade.	2nd Grade.	3rd Grade.	Non-graded Officers.	Clerks & Draftsmen.	Present and Absent.						
					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	6	9	10	1873-74. Office and Garo Hills 1874-75. Ditto and Narbada 1875-76. Sub-Himalaya	Salary and allowance Extra travelling allowances	Rs. 15,060 0 0 Rs. 1,928 2 6	16,988 2 6		
W. T. Blanford, A. R. S. M., F. R. S., F. G. S.	Sindh	3	Senior Depy. Supdt., Bombay.	Oct. 1, 1855							1873-74. On sick leave 1874-75. Ditto & Sindh 1875-76. Sindh	Salary and allowance Extra travelling do.	Rs. 15,060 0 0 Rs. 1,220 14 0	16,280 14 0		
William Theobald	On furlough	1	Dy. Supdt., Bengal	Nov. — 1848							1873-74. Sivalik Hills 1874-75. Ditto 1875-76. Sub-Himalaya	Salary and allowance Extra travelling allowances	Rs. 13,785 0 0 Rs. 919 12 3	14,704 12 3	On furlough for 8 months.	
William King, Jr., A. B., F. G. S.	Godaveri District	4	Dy. Supdt., Madras	Mar. 4, 1857							1873-74. Godaveri District 1874-75. Ditto 1875-76. Ditto	Salary and allowance Extra travelling do. Hospital Assistant's pay, etc.	Rs. 14,960 0 0 Rs. 733 0 0 Rs. —	15,693 0 0		
R. B. Foote, F. G. S. <i>2nd Grade.</i>	Kistna and Godaveri District.	6	Asst., Geological Survey.	Sept. 28, 1858							1873-74. Nellore and Kistna Districts 1874-75. Nellore District 1875-76. Ditto	Salary and allowance Extra travelling allowances	Rs. 10,170 0 0 Rs. 594 0 0	10,764 0 0		
A. B. Wynne, F. G. S.	Upper Punjab	12	Ditto	Nov. 13, 1862							1873-74. Rawul Pindi 1874-75. Ditto and furlough 1875-76. Furlough	Salary and allowance Extra travelling do.	Rs. 762 1 6 Rs. —	762 1 6	Acting in 1st grade, vice Mr. William Theobald.	
F. R. Mallet, F. G. S.	Head-Quarters	7	Ditto	Feb. 12, 1859							1873-74. Sikkim 1874-75. Assam 1875-76. Ditto	Salary and allowance Extra travelling do. Hospital Assistant's pay, etc.	Rs. 10,173 13 8 Rs. 780 7 9 Rs. 424 0 1	11,378 5 6		
T. W. H. Hughes, A. R. S. M., F. G. S.	Satpura Coal-field	11	Ditto	Nov. 11, 1862							1873-74. Nagpur & Nizam's Territory.. 1874-75. Wardha Coal-field 1875-76. Godaveri Valley	Salary and allowance Extra travelling do. Hospital Assistant's pay, etc.	Rs. 9,869 2 8 Rs. 1,094 15 0 Rs. 651 5 3	11,615 6 11		
W. L. Willson	Bundelkund	5	Ditto	Mar. 4, 1857							1873-74. Bundelkund 1874-75. Ditto 1875-76. Ditto	Salary and allowance Extra travelling allowances	Rs. 10,187 14 5 Rs. 792 6 0	10,980 4 5		
V. Ball, A. M., F. G. S. <i>3rd Grade.</i>	Bastar and Jaypur	13	Ditto	Oct. 29, 1864							1873-74. Satpura 1874-75. Sambalpur 1875-76. Talebir Coal-field, Orissa	Salary and allowance Extra travelling do. Hospital Assistant's pay, etc.	Rs. 7,785 0 0 Rs. 983 9 2 Rs. 516 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 allowance Extra travelling do.	Rs. 10,019 5 8 Rs. 1,402 7 0	11,421 12 8	Acting in 2nd grade, vice Mr. A. D. Wynne.	
C. A. Hacket	Rajputana	10	Ditto	Nov. 11, 1861							1873-74. Rajputana 1874-75. Furlough 1875-76. Rajputana	Salary and allowance Extra travelling do.	Rs. 2,583 5 4 Rs. 484 0 0	3,067 5 4		
A. Tween, A. R. S. M.	On leave	8	Curator & Registrar	May 12, 1859							1873-71. Museum and Office 1874-75. Ditto 1875-76. Ditto	Salary House allowance	Rs. 6,000 0 0 Rs. 1,800 0 0	7,800 0 0	6 months' leave on private affairs.	
R. Lydekker, A. B.	Head-Quarters	14	Asst., Geological Survey.	Nov. 26, 1874							1873-74. Office 1874-75. Office 1875-76. Sub-Himalaya	Salary and allowance Extra travelling do.	Rs. 5,898 5 4 Rs. 621 8 0	6,519 13 4		
O. Feistmantel, M. D. <i>Non-graded Officers.</i>	Ditto	15	Ditto	Mar. 25, 1875							1873-74. Office 1874-75. Office 1875-76. Rajmahal Hills and Office	Salary and allowance Extra travelling do.	Rs. 5,199 8 1 Rs. 105 4 0	5,304 12 1		
Vacant			Mining Geologist													Vacancy caused by death of Mr. Mark Ferrar.
T. H. Turner	Head-Quarters		Asst. Curator	April 1, 1869							1873-74. Museum, Calcutta 1874-75. Ditto 1875-76. Ditto	Salary	Rs. 3,000 0 0			
J. Schaumburg	Ditto		Artist	April 12, 1869							1873-74. Office, Calcutta 1874-75. Ditto 1875-76. Rajmahal Hills & Office	Salary	Rs. 3,275 0 0			
W. R. Bion	Ditto		Head Clerk and Librarian	Dec. 12, 1870							1873-74. Office, Calcutta 1874-75. Ditto 1875-76. Ditto	Salary	Rs. 1,920 0 0			
Kissen Singh	To go with Mr. Theobald.		Apprentice	Jan. 7, 1874							1873-74. Museum, Calcutta 1874-75. Ditto 1875-76. Ditto	Salary	Rs. 545 2 6			
Ram Singh	To go with Mr. Fedden		Ditto	Ditto							1873-74. Museum, Calcutta 1874-75. Ditto 1875-76. Ditto	Salary	Rs. 396 2 0			
Hera Lal	Mr. Blanford.		Ditto	Ditto							1873-74. Museum, Calcutta 1874-75. Ditto 1875-76. Ditto	Salary	Rs. 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

extent a variable item depending on cost of travelling, this depending on district engaged in, &c., &c.





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