



LISTS OF OFFICERS

IN THE

SURVEY DEPARTMENTS

ON THE

1st APRIL 1878.

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Classified List of the Officers of the Senior Department

of the Survey of India as it stood on the 1st April 1878.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.
ADMINISTRATIVE STAFF.				
1	1	Col. J. T. Walker, C. B., R. E., F. R. S. [G. T. S.]	Surv. Genl. of India and Supdt. of Great Trigl. and Topogl. Surveys	...
1	1	Maj.-Genl. D. C. Vanrenen, R. A., P. H. [Rev.]	Depty. Surv. Genl. and Supdt. of Revenue Surveys	...
3	1	Capt. R. V. Riddell, R. E., P. H. [Topogl.]	Asst. Surveyor General	...
		Mr. J. O. N. James [G. T. S.]	Ditto	...
	2	Capt. J. Waterhouse, s. c., P. H. [Topogl.]	Ditto	...
	3	" E. H. Steel, s. c., H. S. [Rev.]	Offg. ditto	...
SENIOR BRANCH.				
DEPUTY SUPERINTENDENTS.				
1ST GRADE.				
4	4	Col. H. C. Johnstone, C. B., s. c., P. H. [Rev.]	Depty. Supdt., 1st grade	In charge 1st Dera Ismail Khan District Survey, Punjab
	2	Mr. J. B. Hennessey, M. A., F. R. S. [G. T. S.]	Ditto	In charge Head-quarters Offices, Dehra Dún
	3	Col. F. C. Anderson, s. c., P. H. [Rev.]	Ditto	In charge 5th Banda District Revenue Survey, North-Western Provinces
	4	Lt.-Col. G. C. Depree, s. c., P. H. [Topogl.]	Ditto	In charge No. 7 Topogl. Party, Rajputana Survey
2ND GRADE.				
10	10	Maj. H. R. Thuillier, R. E. P. H. [G. T. S.]	Depty. Supdt., 2nd grade	In charge Mysore Topogl. Surveys
		Col. J. Macdonald, s. c., P. H. [Rev.]	Ditto	...
		Lt.-Col. C. T. Haig, R. E. [G. T. S.]	Ditto	...
	2	Maj. J. Herschel, R. E., F. R. S., P. H. [G. T. S.]	Ditto	On duty, Head-quarters Offices, Dehra Dún
	3	Mr. R. B. Smart [Rev.]	Ditto	In charge 7th or Khurda Estate Survey, Orissa
	4	Maj. J. Sconce, s. c., P. H. [Rev.]	Ditto	In charge 8th Western Soane Irrigation Survey, District Shahabad, Behar
	5	Lt.-Col. B. R. Branfill, B. C., P. H. [G. T. S.]	Ditto	In charge Madras Survey, Bangalore
		Capt. G. Strahan, R. E., P. H. [Topogl.]	Ditto	...
	6	Maj. T. T. Carter, R. E. P. H. [G. T. S.]	Ditto	In charge Guzerat Survey
	7	" D. Macdonald, s. c., P. H. [Rev.]	Ditto	In charge 2nd Rohtak and Sirsa Districts Survey, Punjab
3RD GRADE.				
12	12	Maj. F. Coddington, s. c., P. H. [Rev.]	Deputy Supdt., 3rd grade	...
		" W. M. Campbell, R. E., Passed [G. T. S.]	Ditto	...
		Capt. R. V. Riddell, R. E., P. H. [Topogl.]	Ditto	Head-quarters, Calcutta
		" C. Strahan, R. E. [Topogl.]	Ditto	In charge No. 1 Gwalior and Central India Topogl. Survey
		Mr. J. O. N. James [G. T. S.]	Ditto	...
		Capt. W. Barron, s. c., P. H. [Rev.]	Ditto	In charge 4th Moradabad and Budaon Distrs. Rev. Survey, N.-W. P.
		" H. Trotter, R. E. [G. T. S.]	Ditto	...
	1	Major H. C. B. Tanner, Bombay s. c., P. H. [Rev.]	Ditto	In charge 11th Deccan Topogl. Survey, Bombay
	2	Mr. E. F. S. Johnson [Rev.]	Ditto	In charge 6th Jounpur Dist. Survey, N.-W. P.
		Capt. W. J. Heaviside, R. E., P. H. [G. T. S.]	Ditto	...
	3	Major A. Pullan, s. c., P. H. [G. T. S.]	Ditto	In charge Kattywar Survey, Poona
	4	Capt. D. C. Andrew, s. c., P. H. [Rev.]	Ditto	In charge 9th Cuttack Dist. Irrigation Survey, Orissa

Consolidated Salary.	REMARKS.
Rs. A. P.	
3,000 0 0	
2,265 10 0	Includes as personal allowance Rs. 65-10.
1,440 0 0	Exclusive of presidency allowance Rs. 200. Officiating Superintendent, Mathematical Instrument Department, and in charge Lithographic Branch, Head-quarters Calcutta.
1,000 0 0	On furlough for 2 years, from 1st April 1878.
750 0 0	Exclusive of presidency allowance Rs. 200. In charge Photographic Branch, Head-quarters Calcutta. Exclusive of presidency allowance. In charge Engraving and Cartographic Branches, Head-quarters Calcutta.
1,627 14 0	
1,600 0 0	Rs. 27-14 as personal allowance.
1,627 14 0	
1,600 0 0	Ditto ditto.
1,482 10 0	
1,482 10 0	On furlough, p. a., for 2 years, from 6th May 1877.
1,300 0 0	On furlough, p. a., for 1 year and 190 days, from 31st March 1877.
1,300 0 0	
1,300 0 0	
1,482 10 0	On furlough, p. a., for 2 years, from 1st May 1877.
1,300 0 0	
1,440 0 0	On furlough, p. a., for 6 months, from 15th February 1878.
1,440 0 0	On furlough, p. a., for 1 year, from 1st February 1878.
1,440 0 0	Officiating Deputy Superintendent, 2nd grade. Assistant Surveyor General. Exclusive of Rs. 200, local allowance.
1,440 0 0	Officiating Deputy Superintendent, 2nd grade. On furlough for 2 years from 1st April 1878.
1,440 0 0	Officiating Deputy Superintendent, 2nd grade. On furlough, p. a., for 2 years, from 20th February 1876. Sent by the Secretary of State on military duty to Turkey under Sir Arnold Kamball.
1,000 0 0	
1,000 0 0	
1,000 0 0	On furlough, p. a., in Europe and India for 1 year, from 16th November 1877.
1,000 0 0	

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		SENIOR BRANCH—contd.				
		ASSISTANT SUPERINTENDENTS.				
		1ST GRADE.				
11	11	Major W. H. Wilkins, s. c., P. H. [Rev.] Mr. J. Campbell [Rev.]	Asst. Supdt., 1st grade Ditto	In charge 3rd Saharanpore Dist. Survey, N.-W. P. N.-W. P. Cadastral Revision Survey, Agra, Azim- gurbh and Humeerpur	1,000 0 0 1,000 0 0	Officiating Deputy Superintendent, 3rd grade. Ditto ditto.
		Capt. E. W. Samuels, s. c., P. H. [Rev.] Major W. F. Badgley, s. c., P. H. [Topogl.] Capt. J. E. Sandeman, s. c., P. H. [Rev.]	Ditto Ditto Ditto	In charge 10th Deccan Topogl. Survey, Bombay ... In charge No. 6 Topogl. Khasi and Garo Hills Survey On special duty, Chota Nagpore Estate Survey, Bengal	1,000 0 0 1,075 0 0 1,000 0 0	Ditto ditto. Ditto ditto. Inclusive of Rs. 75 Assam local allowances. Ditto, ditto.
		„ T. H. Holdich, R. E., L. S. [Topogl.] „ J. Waterhouse, s. c., P. H. [Topogl.]	Ditto Ditto	On furlough, p. a., for 2 years, from 14th May 1877. In charge Photographic Branch. Head-quarters Calcutta	1,000 0 0 1,140 0 0	Offg. Deputy Superintendent, 3rd grade. Assistant Surveyor General. Exclusive of Rs. 200, presidency allowance. Officiating Deputy Superintendent, 3rd grade.
		„ M. W. Rogers, R. E., L. S. [G. T. S.] „ J. Hill, R. E. [G. T. S.] „ H. Lees Smith, s. c., P. H. [Rev.]	Ditto Ditto Ditto	In charge Jodhpore Series ... In charge Eastern Frontier Series ... 3rd Saharanpore District Survey, N.-W. P.	1,140 0 0 750 0 0	Ditto ditto.
1	2	Mr. H. Horst [Topogl.]	Ditto	In charge No. 2 Topogl., Khandesh and Bombay Native States Survey	750 0 0	
11	11	2ND GRADE.				
		Mr. W. H. Cole, M. A., H. S. [G. T. S.] „ H. B. Talbot, L. S. [Rev.]	Asst. Supdt., 2nd grade Ditto	On duty at Head-quarters Offices, Dehra Dún ... In charge Eastern Soane Irrigation Survey, District Patna, Behar	750 0 0 890 0 0	Officiating Assistant Superintendent, 1st grade. Ditto ditto.
		Capt. A. W. Baird, R. E., P. H. [G. T. S.] „ J. R. McCullagh, R. E., L. S. [G. T. S.] „ J. R. Wilmer, s. c., H. S. [Topogl.] Mr. J. McGill [G. T. S.] Capt. H. S. Cowan, s. c., P. H. [Rev.] „ E. H. Steel, s. c., H. S. [Rev.]	Ditto Ditto Ditto Ditto Ditto	In charge Tidal and Leveling operations, Bombay ... In charge No. 5, Bhopal and Malwa Topogl. Survey Kattywar Survey, Poona ... On duty Supdt. of Rev. Survey's Office, Calcutta In charge Engraving and Cartographic Branches, Head-quarters Calcutta	850 0 0 750 0 0 750 0 0	On furlough, p. a., for 1 year and 3 days, from 5th November 1877. Officiating Assistant Superintendent, 1st grade. Ditto ditto. Ditto ditto.
		„ H. S. Hutchinson, s. c., P. H. [Rev.] Mr. E. C. Barrett, H. S. [Rev.] „ E. J. Jackson, L. S. [Rev.]	Ditto Ditto Ditto	11th Deccan Topogl. Survey, Bombay ... 7th Khurda Estate Survey, Orissa ... 5th Banda Dist. Revenue Survey, N.-W. P.	750 0 0 750 0 0 600 0 0	Officiating Assistant Superintendent, 1st grade. Officiating Assistant Surveyor General. Ditto ditto. Ditto ditto.
1						
12	12	3RD GRADE.				
		Capt. R. Beavan, s. c., P. H. [Rev.] Lieut. R. G. Woodthorpe, R. E., L. S. [Topogl.] „ E. P. Leach, R. E., L. S. [Topogl.] Mr. H. E. ... [Rev.]	Asst. Supdt., 3rd grade Ditto Ditto Ditto	1st Dera Ismail Khan Dist. Survey, Punjab ... No. 6 Party North Brahmaputra exploration Survey	624 1 6 845 0 0	Offg. Assistant Superintendent, 2nd grade. Includes Rs. 24-1-6, personal allowance. Inclusive of Rs. 75 Assam Local allowance. On furlough, p. a., for 18 months, from 26th November 1877.
		„ M. ... [G. T. S.] „ G. H. Cooke, L. S. [Rev.] Lieut. H. J. Harman, R. E., L. S. [G. T. S.] „ G. W. Martin, s. c., H. S. [Rev.]	Ditto Ditto Ditto Ditto	10th Deccan Topogl. Survey, Bombay ... In charge Assam Survey, Dibrugarh ... 8th Western Soane Irrigation Survey District, Shahabad Behar	600 0 0 670 0 0 600 0 0	On furlough for 8 months, from 17th May 1877. Extended by 8 months and 29 days by the Secretary of State. Officiating Assistant Superintendent, 2nd grade. Ditto ditto.
		Capt. A. J. C. Scott, s. c., H. S. [Rev.] Mr. E. C. Ryall [G. T. S.] Lieut. St. G. C. Gore, R. E. [G. T. S.] „ J. R. Hobday, s. c., H. S. [Topogl.]	Ditto Ditto Ditto Ditto	4th Moradabad and Budaon Districts Rev. Survey, N.-W. P. ... Offg. in charge Kumaun and Garhwal Survey ... Guzerat Survey ... No. 1 Gwalior and Central India Topogl. Survey	600 0 0 600 0 0 670 0 0 600 0 0	Ditto ditto. Ditto ditto. Ditto ditto. Ditto ditto.

Classified List of the Officers of the Junior or Subordinate

Department of the Survey of India as it stood on the 1st April 1878.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.
JUNIOR BRANCH.				
SURVEYORS.				
1st GRADE.				
<i>Salary Rs. 500.</i>				
1		Mr. H. Duhan [G. T. S.] ...	Surveyor, 1st grade	Correspondence Office ...
2		" N. A. Belletty, L. s. [G. T. S.] ...	Ditto	On duty at Head-quarters, Calcutta ...
3		" G. Housden [Rev.] ...	Ditto	1st Derah Ismail Khan, District Revenue Surveys, Punjab ...
4		" W. H. Patterson, L. s. [Rev.] ...	Ditto	On deputation to Kamrup, Lakhiraj Survey, Assam ...
5		" J. F. Baness, [Topogl.] ...	Ditto	Chief Draftsman, Head-quarters, Calcutta ...
6		" A. Chamarett, [G. T. S.] ...	Ditto	Geographical Examiner, Head-quarters, Calcutta ...
7		" H. J. Bolst, [Topogl.] ...	Ditto	No. 1, Gwalior and Central India Survey ...
8		" H. Beverley [G. T. S.] ...	Ditto	Officiating in charge, Burma Party ...
9		" J. Peyton [G. T. S.] ...	Ditto	Kumaun and Garhwal Survey ...
9		" A. D'Souza [G. T. S.] ...	Ditto	Guzerat Survey ...
2ND GRADE.				
<i>Salary Rs. 400.</i>				
12		Mr. W. F. Kelly, H. s. [Rev.] ...	Surveyor, 2nd grade	Head Draftsman, Superintendent of Revenue Surveys Office, Calcutta ...
1		" C. W. Campbell [Rev.] ...	Ditto	5th, Banda District Revenue Survey N. W. P. ...
2		" E. Loftie [Rev.] ...	Ditto	2nd, Rohtak and Sirsa Districts Revenue Survey, Punjab ...
3		" G. H. Blythe [Rev.] ...	Ditto	2nd, Rohtak and Sirsa Districts Revenue Survey, Punjab ...
4		" G. A. McGill, L. s. [Topogl.] ...	Ditto	No. 7, Topogl. Party, Rajputana Survey ...
5		" D. Atkinson [Topogl.] ...	Ditto	No. 5, Bhopal and Malwa Topogl. Survey ...
6		" C. J. Neuvillo [G. T. S.] ...	Ditto	No. 1, Extra Party ...
7		" F. Grant [Rev.] ...	Ditto	8th, or Western Soane Irrigation Survey, District Shahabad, Behar ...
8		" L. H. Clarke [G. T. S.] ...	Ditto	On duty at Head-quarters, Dehra Dün ...
9		" W. Todd [G. T. S.] ...	Ditto	Kumaun and Garhwal Survey ...
10		" R. W. Chew [Topogl.] ...	Ditto	Mysore Topogl. Survey ...
11		" J. Low [G. T. S.] ...	Ditto	Burma Party ...
12		" J. A. Vanderputt [Topogl.] ...	Ditto	No. 1, Gwalior and Central India Topogl. Survey ...
12		" W. Sinclair		
12		" C. Wood		
3RD GRADE.				
<i>Salary Rs. 350.</i>				
16		Mr. W. Sinclair [Rev.] ...	Surveyor, 3rd grade	Draftsman, Superintendent of Revenue Survey's Office, Calcutta ...
1		" G. Wood, L. s. [G. T. S.] ...	Ditto	Computing Office, Head-quarters, Dehra Dün ...
2		" H. E. T. Keelan [G. T. S.] ...	Ditto	Mysore Topogl. Survey ...
3		" F. Bell, L. s. [G. T. S.] ...	Ditto	Kattywar Survey, Poona ...
4		" P. A. G. Cowley, L. s. [Rev.] ...	Ditto	6th, Jounpur District Survey, N. W. P. ...
5		" G. Atkinson [G. T. S.] ...	Ditto	Drawing Office, Head-quarters, Dehra Dün ...
6		" A. J. Wilson, L. s. [Topogl.] ...	Ditto	No. 2, Khandesh and Bombay Native States, Topogl. Survey ...
7		" J. A. May [Topogl.] ...	Ditto	On duty, Suptd. of Rev. Survey's Office, Calcutta ...
8		" A. D. Smart [Rev.] ...	Ditto	7th, or Khurda Estate Survey, Orissa ...
9		" James Todd [Rev.] ...	Ditto	3rd, Saharanpur District Survey, N. W. P. ...
10		" C. David [Rev.] ...	Ditto	9th, Cuttack District Survey, Orissa ...
11		" G. Rac [Rev.] ...	Ditto	8th, or Western Soane Irrigation Survey, District Shahabad, Behar ...
12		" S. M. Smylie, L. s. [Rev.] ...	Ditto	11th, Deccan Topogl. Survey, Bombay ...
13		" F. Adams, [Topogl.] ...	Ditto	On duty at Head-quarters, Calcutta ...
14		" J. S. Pemberton, L. s. [Rev.] ...	Ditto	2nd, Rohtak and Sirsa Districts, Revenue Survey, Punjab ...
15		" R. D. Farrell [Topogl.] ...	Ditto	Mysore Topogl. Survey ...
16		" H. R. Littlewood [Rev.] ...	Ditto	9th, Cuttack District Survey, Orissa ...
16		" W. A. Wilson		
4TH GRADE.				
<i>Salary Rs. 300.</i>				
8		Mr. W. A. Wilson, L. s. [Rev.] ...	Surveyor, 4th grade	4th Moradabad and Budaon Districts Survey, N. W. P. ...
2		" W. S. Buttress [Rev.] ...	Ditto	1st Derah Ismail Khan District Revenue Survey, Punjab ...
3		" T. W. Reilly, L. s. [Rev.] ...	Ditto	11th Deccan Topogl. Survey, Bombay ...

Consolidated Salary.		REMARKS.
Rs.	A. P.	
1	500 0 0	Personal Assistant to Superintendent, Great Trigonometrical Survey.
2	500 0 0	Exclusive of Rs. 45, presidency house-rent.
3	500 0 0	
4	500 0 0	
5	500 0 0	Exclusive of Rs. 45, presidency house-rent.
6	500 0 0	
7	500 0 0	
8	500 0 0	
9	500 0 0	
1	450 0 0	Salary as Head Draftsman, exclusive of Rs. 100 as personal allowance and Rs. 30 presidency house-rent.
1	400 0 0	
2	400 0 0	
3	400 0 0	
4	400 0 0	
5	400 0 0	
6	400 0 0	Doing duty with Tidal and Leveling Party during the absence on furlough of the Executive Officer.
7	400 0 0	
8	400 0 0	
9	400 0 0	
10	400 0 0	
11	400 0 0	
12	400 0 0	
1	400 0 0	
1	350 0 0	
2	350 0 0	
3	350 0 0	
4	350 0 0	
5	350 0 0	
6	350 0 0	
7	350 0 0	Exclusive of Rs. 30, presidency house-rent.
8	350 0 0	
9	350 0 0	
10	350 0 0	
11	350 0 0	
12	350 0 0	
13	350 0 0	Exclusive of Rs. 30, presidency house-rent.
14	350 0 0	
15	350 0 0	
16	350 0 0	
1	300 0 0	
2	300 0 0	
3	300 0 0	

Classified List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.	REMARKS.
					Rs. A. P.	
		JUNIOR BRANCH—contd.				
		SURVEYORS—concl'd.				
		4TH GRADE—contd.				
		<i>Salary Rs. 300.—contd.</i>				
4		Mr. E. S. P. Atkinson [Topogl.]	Surveyor, 4th grade	No. 7 Rajputana Topogl. Survey	300 0 0	
5		W. R. Vyall [Rev.]	Ditto	7th Khurda, Estate Survey, Orissa	300 0 0	
8		M. J. Ogle [Topogl.]	Ditto			On furlough for 1 year, from 21st November 1877.
9		A. G. Wyatt [Topogl.]	Ditto	No. 2 Khandesh and Bombay Native States Topogl. Survey	300 0 0	
8		A. M. Lawson, L. s. [Rev.]	Ditto	10th Deccan Topogl. Survey, Bombay	300 0 0	
7		A. J. Gibson [Rev.]	Ditto	1st Derah Ismail Khan District, Revenue Survey, Punjab	300 0 0	
10		H. Peychers [G. T. S.]	Ditto	Computing Office, Head-quarters, Dehra Dūn	300 0 0	
11		G. Belcham [G. T. S.]	Ditto	Madras Party	300 0 0	
12		H. Dowman [Rev.]	Ditto	7th Khurdah Estate Survey, Orissa	300 0 0	
13		E. Little [Rev.]	Ditto	5th Banda District Survey, N.-W. P.	300 0 0	
14		H. T. Hanby, L. s. [Rev.]	Ditto	4th Moradabad and Budaon District Revenue Survey, N.-W. P.	300 0 0	
15		J. W. Mitchell [G. T. S.]	Ditto	Burma Party	300 0 0	
16		L. J. Pocock, H. s. [G. T. S.]	Ditto	Mysore Topogl. Survey	300 0 0	
17		G. B. Scott, L. s. [Rev.]	Ditto	1st Dera Ismail Khan District Survey, Punjab	300 0 0	
18		A. Christie, H. s. [G. T. S.]	Ditto	Guzerat Survey	300 0 0	
19		W. O'Sullivan [G. T. S.]	Ditto	Assam Survey, Debrugurh	300 0 0	
20		N. C. Gwynne [G. T. S.]	Ditto	Kattywar Survey Poona	300 0 0	
21		W. C. Price [G. T. S.]	Ditto	Jodhpore Series	300 0 0	
22		C. H. McA'Fee, L. s. [G. T. S.]	Ditto	Guzerat Survey	300 0 0	
22		J. A. Vanderpitt.				
		ASSISTANT SURVEYORS.				
		1ST GRADE.				
		<i>Salary Rs. 250.</i>				
1		Mr. C. F. Hamer [Topogl.]	Asst. Surveyor, 1st grade	No. 5, Bhopal & Malwa Topogl. Survey	300 0 0	Offg. Surveyor, 4th Grade.
2		C. A. R. Scanlan [Topogl.]	Ditto	On duty at Head-quarters, Calcutta	250 0 0	Exclusive of Rs. 20, presidency house-rent.
3		J. H. O'Donel [Rev.]	Ditto	Eastern Soane Irrigation Survey, District Patna, Behar	250 0 0	
4		A. Chennell [Topogl.]	Ditto			On furlough for 1 year from 21st November 1877.
5		P. Ford, L. s. [Rev.]	Ditto	2nd Rohtak and Sirsa Districts, Rev. Survey, Punjab	250 0 0	
6		A. James [Topogl.]	Ditto	Mysore Topogl. Survey	250 0 0	
7		T. E. M. Claudius [Topogl.]	Ditto	No. 1 Gwalior and Central India Topogl. Survey	250 0 0	
8		T. H. Rendell [G. T. S.]	Ditto	Tidal and Leveling operations	250 0 0	
9		R. Todd [Topogl.]	Ditto	1st Derah Ismail Khan District Revenue Survey, Punjab	250 0 0	
10		C. Tapsell, L. s. [Topogl.]	Ditto	No. 1 Gwalior and Central India Topogl. Survey	250 0 0	
11		D. A. King [Rev.]	Ditto	On special duty, Chota Nagpore Estate Survey, Bengal	250 0 0	
12		R. B. Smart, Jr., L. s. [Rev.]	Ditto	5th Banda District Revenue Survey, N.-W. P.	250 0 0	
13		F. Kitchen [Topogl.]	Ditto	Mysore Topogl. Survey	250 0 0	
14		W. Statesbury, H. s. [Topogl.]	Ditto	Ditto ditto	250 0 0	
15		J. W. Macdougall [G. T. S.]	Ditto			On furlough from 1st August 1877 for 1 year.
16		Hugh Todd [G. T. S.]	Ditto	Mysore Topogl. Survey	250 0 0	

Classified List of the Officers of the Junior or Subordinate Departments of the Survey of India as it stood on the 1st April 1878—continued.

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					Rs. A. P.	
		JUNIOR BRANCH—contd.				
		ASSISTANT SURVEYORS—contd.				
		1ST GRADE—contd.				
		<i>Salary Rs. 250—contd.</i>				
17		Mr. E. J. Connor, L. s. [G. T. S.] ...	Asst. Surveyor, 1st grade ...	No. 1 Extra Party ...	250 0 0	Doing duty with Tidal and Leveling Party during the absence on furlough of the Executive Officer.
		„ J. Connor [Rev.] ...	Ditto ...	Draftsman, Supdt. of Revenue Surveys Office, Calcutta ...		
18		„ T. H. Dunne, L. s. [Rev.] ...	Ditto ...	7th Khurdah Estate Survey, Orissa ...	325 0 0 250 0 0	Draws Rs. 325 salary as Draftsman, and presidency house-rent Rs. 20.
		„ W. J. Lane [Rev.] ...	Ditto ...	Draftsman, Supdt. of Revenue Surveys Office, Calcutta ...		
19		„ J. Bond [G. T. S.] ...	Ditto ...	No. 2 Extra Party ...	275 0 0 250 0 0	Exclusive of Rs. 20 presidency house-rent. Doing duty with the Guzerat Party during the absence on furlough of the Executive Officer.
20		„ C. D. Potter, L. s. [G. T. S.] ...	Ditto ...	Madras Party ...	250 0 0	
21		„ T. Kinney, L. s. [G. T. S.] ...	Ditto ...	Mysore Topogl. Survey ...	250 0 0	
22		„ J. Newland, L. s. [Rev.] ...	Ditto ...	10th Deccan Topogl. Survey, Bombay ...	250 0 0	
23		„ J. A. Barker [Topogl.] ...	Ditto ...	Mysore Topogl. Survey ...	250 0 0	
25		2ND GRADE.				
		<i>Salary Rs. 200.</i>				
1		Mr. E. A. Wainright, L. s. [Topogl.] ...	Asst. Surveyor, 2nd grade ...	No. 5 Bhopal & Malwa Topogl. Survey ...	250 0 0	Officiating Assistant Surveyor, 1st grade.
2		„ R. C. D. Ewing, H. s. [Rev.] ...	Ditto ...	3rd Sabarunpur Dist. Survey, N.-W. P. ...	250 0 0	Ditto ditto.
3		„ W. J. Cornelius, L. s. [Topogl.] ...	Ditto ...	No. 1 Gwalior & Central India Topogl. Survey ...	250 0 0	Ditto ditto.
4		„ W. W. McNair, L. s. [Topogl.] ...	Ditto ...	Mysore Topogl. Survey ...	200 0 0	
5		„ J. T. U. Coxen [Rev.] ...	Ditto ...	11th Deccan Topogl. Survey, Bombay ...	200 0 0	
6		„ W. F. Pettigrew [Topogl.] ...	Ditto ...	No. 2 Khandesh & Bombay Native States Topogl. Survey ...	200 0 0	
7		„ G. W. Jarbo, L. s. [Rev.] ...	Ditto ...	5th Banda Dist. Rev. Survey, N.-W. P. ...	200 0 0	
8		„ J. R. Scott, L. s. [Rev.] ...	Ditto ...	9th Cuttack Dist. Survey, Orissa ...	200 0 0	
9		„ P. J. W. Doran, L. s. [Topogl.] ...	Ditto ...	No. 1 Gwalior & Central India Topogl. Survey ...	200 0 0	
		„ J. McHatton, L. s. [Rev.] ...	Ditto ...	Draftsman, Supdt. of Rev. Surveys, Office, Calcutta ...	200 0 0	Draws Rs. 225 salary as Draftsman, and presidency house-rent Rs. 20.
10		„ W. J. Smith, L. s. [Rev.] ...	Ditto ...	...	...	On sick leave for 1 year from 17th July 1877.
11		„ H. T. Kitchen [Topogl.] ...	Ditto ...	No. 5 Bhopal & Malwa Topogl. Survey ...	200 0 0	
12		„ A. Cooper [Topogl.] ...	Ditto ...	No. 2 Khandesh & Bombay Native States Topogl. Survey ...	200 0 0	
13		„ J. H. Wilson, L. s. [Topogl.] ...	Ditto ...	No. 7 Rajputana Topogl. Survey ...	200 0 0	
14		„ J. Hickie, L. s. [G. T. S.] ...	Ditto ...	Guzerat Survey ...	200 0 0	
15		„ W. Fielding, L. s. [G. T. S.] ...	Ditto ...	Kattywar Survey, Poona ...	200 0 0	
16		„ S. O. Madras [Rev.] ...	Ditto ...	4th Moradabad & Budaon Dists. Rev. Survey, N.-W. P. ...	200 0 0	
17		„ G. D. Cusson, L. s. [G. T. S.] ...	Ditto ...	Guzerat Survey ...	200 0 0	
18		„ T. F. Freemans, L. s. [Rev.] ...	Ditto ...	5th Banda Dist. Rev. Survey, N.-W. P. ...	200 0 0	
19		„ G. C. Swiney [Rev.] ...	Ditto ...	10th Deccan Topogl. Survey, Bombay ...	200 0 0	
20		„ W. H. Lilley [Topogl.] ...	Ditto ...	No. 5 Bhopal & Malwa Topogl. Survey ...	200 0 0	
21		„ J. S. Swiney [Rev.] ...	Ditto ...	Eastern Soane Irrign. Survey, Dist. Patna, Behar ...	200 0 0	
22		„ G. L. R. Scott, L. s. [Rev.] ...	Ditto ...	9th Cuttack Dist. Survey, Orissa ...	200 0 0	
23		„ W. J. Lincoln, L. s. [Rev.] ...	Ditto ...	4th Moradabad & Budaon Dists. Rev. Survey, N.-W. P. ...	200 0 0	
24		„ B. Anderson, L. s. [Rev.] ...	Ditto ...	2nd Rohitak & Sirsa Dists. Rev. Survey, Punjab ...	200 0 0	
25		„ C. P. Torrens [G. T. S.] ...	Ditto ...	Jodhpore Series ...	200 0 0	

Classified List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878 — continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	No. existing in each grade.	Consolidated Salary.	REMARKS.
JUNIOR BRANCH—contd.							
ASSISTANT SURVEYORS—contd.							
3RD GRADE.							
<i>Salary Rs. 160.</i>							
1		Mr. C. W. Wilson, L. s. [Rev.]	Asst. Surveyor, 3rd grade	3rd Shaharunpur Dist. Survey, N.-W. P.	1	160 0 0	
2		„ C. W. F. Seyers [Rev.]	Ditto	Ditto ditto	2	160 0 0	
3		„ W. Robert [Topogl.]	Ditto	No. 6 Party, North Brahmnaputra Exploration Survey	3	240 0 0	Officiating Assistant Surveyor, 2nd grade. Inclusive of Rs. 40, Assam local allowance.
4		„ T. Shaw, L. s. [Rev.]	Ditto	8th Western Soane Irrigation Survey, Dist. Shahabad, Behar	4	200 0 0	Ditto ditto.
5		„ W. H. Penrose, L. s. [Rev.]	Ditto	11th Deccan Topogl. Survey, Bombay	5	200 0 0	Ditto ditto.
6		„ E. J. Martin [Rev.]	Ditto	6th Jounpur Dist. Survey, N.-W. P.	6	160 0 0	
7		„ W. D. Corbett [Rev.]	Ditto	4th Moradabad and Budaon Dist. Rev. Survey, N.-W. P.	7	160 0 0	
8		„ A. Bryson, H. s. [G. T. S.]	Ditto	Madras Party	8	160 0 0	
9		„ F. E. Warde [Topogl.]	Ditto	No. 2 Khandesh and Bombay Native States Topogl. Survey	9	160 0 0	
10		„ C. T. Templeton [Topogl.]	Ditto	No. 1 Gwalior and Central India Topogl. Survey	10	160 0 0	
11		„ J. McCay [Topogl.]	Ditto	No. 6 Khasi and Garo Hills Topogl. Survey	11	200 0 0	Inclusive of Rs. 40, Assam local allowance.
12		„ G. E. Parker [Rev.]	Ditto	On special duty, Chota Nagpore Estate Survey, Bengal	12	160 0 0	
13		„ G. Campbell [Rev.]	Ditto	7th Khurda Estate Survey, Orissa	13	160 0 0	
14		„ W. C. G. Barckley [Topogl.]	Ditto	No. 7 Rajputana Topogl. Survey	14	160 0 0	
15		„ W. Oldham [G. T. S.]	Ditto	Kattywar Survey, Poona	15	160 0 0	
16		„ J. C. Clancey [G. T. S.]	Ditto	Eastern Frontier Series	16	160 0 0	
17		„ J. O. Hughes [G. T. S.]	Ditto	Burma Party	17	160 0 0	
18		„ I. S. Pocock [G. T. S.]	Ditto	No. 7 Rajputana Topogl. Survey	18	160 0 0	
19		„ G. T. Hall [G. T. S.]	Ditto	Kattywar Survey, Poona	19	160 0 0	
20		„ G. Vander Beek, L. s. [Topogl.]	Ditto	No. 2 Khandesh and Bombay Native States Topogl. Survey	20	160 0 0	
21		„ J. C. Murray, L. s. [Topogl.]	Ditto	No. 5 Bhopal and Malwa Topogl. Survey	21	160 0 0	
22		„ J. Murphy [Rev.]	Ditto	4th Moradabad and Budaon Dist. Rev. Survey, N.-W. P.	22	160 0 0	
23		„ C. W. J. Ford [Rev.]	Ditto	9th Cuttack Dist. Survey, Orissa	23	160 0 0	
24		„ A. W. Smart [Rev.]	Ditto	6th Jounpur District Revenue Survey, N.-W. P.	24	160 0 0	
25		„ H. G. Young, H. s. [Rev.]	Ditto	5th Banda Dist. Rev. Survey, N.-W. P.	25	160 0 0	
26		„ P. E. Heberlet [Rev.]	Ditto	7th or Khurda Estate Survey, Orissa	26	160 0 0	
27		„ A. Kitchen [Topogl.]	Ditto	No. 5 Bhopal and Malwa Topogl. Survey	27	160 0 0	
29		4TH GRADE.					
<i>Salary Rs. 120.</i>							
1		Mr. P. White [Topogl.]	Asst. Surveyor, 4th grade	Mysore Topogl. Survey	1	160 0 0	Officiating Assistant Surveyor, 3rd grade.
2		„ G. H. O'Donel [Rev.]	Ditto	...	2	...	On sick leave from 5th March 1878 for 3 months.
3		„ B. M. Wilson [Rev.]	Ditto	9th Cuttack District Survey, Orissa	3	160 0 0	Officiating Assistant Surveyor, 3rd grade.
4		„ E. P. S. Hill [Rev.]	Ditto	5th Banda District Rev. Survey, N.-W. P.	4	160 0 0	Ditto ditto.
5		„ E. H. S. Gasper [Rev.]	Ditto	6th Jounpur District Revenue Survey, N.-W. P.	5	120 0 0	
6		„ R. R. Dickinson, L. s. [Rev.]	Ditto	10th Deccan Topogl. Survey, Bombay	6	120 0 0	
7		„ E. B. M. Drew [Rev.]	Ditto	...	7	...	On leave without pay.

Classified List of Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party to which at present attached.	Consolidated Salary.			REMARKS.	
					Rs.	A.	P.		
		JUNIOR BRANCH—concl'd.							
		ASSISTANT SURVEYORS—concl'd.							
		4TH GRADE—concl'd.							
		<i>Salary Rs. 120.</i>							
8		Mr. J. F. Macarthy, L. s. [G. T. S.] ...	Asst. Surveyor, 4th grade ...	Assam Survey, Dibrugh ...	8	120	0	0	
9		„ E. Graham, L. s. [Topogl.] ...	Ditto ...	No. 2 Khandesh and Bombay Native States Topogl. Survey ...	9	120	0	0	
10		„ G. L. Fleming [Topogl.] ...	Ditto ...	Mysore Topogl. Survey ...	10	120	0	0	
11		„ G. B. Copping, L. s. [Topogl.] ...	Ditto ...	No. 5 Bhopal and Malwa Topogl. Survey ...	11	120	0	0	
12		„ G. A. Knight [Topogl.] ...	Ditto ...	Mysore Topogl. Survey ...	12	120	0	0	
13		„ D. J. Collins [G. T. S.] ...	Ditto ...	Eastern Frontier Series ...	13	120	0	0	
14		„ P. A. Peters, L. s. [Rev.] ...	Ditto ...	1st Derah Ismail Khan District Revenue Survey, Punjab ...	14	120	0	0	
15		„ H. Corkery, L. s. [G. T. S.] ...	Ditto ...	Kattywar Survey, Poona ...	15	120	0	0	
16		„ H. E. Adels [Rev.] ...	Ditto ...	9th Cuttack District Survey, Orissa ...	16	120	0	0	
17		„ P. F. Prunty [G. T. S.] ...	Ditto ...	Jodhpore Series ...	17	120	0	0	
18		„ J. Keating [G. T. S.] ...	Ditto ...	Kattywar Survey, Poona ...	18	120	0	0	
19		„ C. S. Kraal, L. s. [Rev.] ...	Ditto ...	2nd Rohtak and Sirsa Dists. Rev. Survey, Punjab ...	19	120	0	0	
20		„ C. T. J. Dease [Rev.] ...	Ditto ...	11th Deccan Topogl. Survey, Bombay ...	20	120	0	0	
21		„ S. F. Norman [G. T. S.] ...	Ditto ...	Guzerat Survey ...	21	120	0	0	
22		„ C. Norman, L. s. [G. T. S.] ...	Ditto ...	Ditto ...	22	120	0	0	
23		„ D. Campbell [Topogl.] ...	Ditto ...	No. 6 Khasi and Garrow Hills Topogl. Survey ...	23	160	0	0	Inclusive of Rs. 40, Assam local allowance.
24		„ T. Campbell [Rev.] ...	Proby. Ditto ...	8th Western Soane Irrign. Survey, Dist. Shababad, Behar ...	24	120	0	0	
25		„ R. F. Warwick, L. s. [G. T. S.] ...	Asst. Surveyor, 4th grade ...	Kumaun and Garhwal Survey ...	25	120	0	0	
26		„ L. F. Berkeley [Rev.] ...	Proby. Ditto ...	4th Moradabad and Budaun Districts Revenue Survey, N.-W. P. ...	26	120	0	0	
27		„ J. M. Kennedy [G. T. S.] ...	Asst. Surveyor, 4th grade ...	Mysore Topogl. Survey ...	27	120	0	0	
28		„ G. P. Tate [Topogl.] ...	Proby. Ditto ...	No. 1 Gwalior and Central India Topogl. Survey ...	28	120	0	0	
29		Vacant.			29				

General List of the Officers of the Senior Department

of the Survey of India as it stood on the 1st April 1878.

1	2	3	4	5	6	7
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
			Y. M. D.			Rs. A. P.
1	Major-Genl. D. C. Vanrenen, R. A. [Rev.]	P. H.	55 10 0	Superintendent of Revenue Surveys	...	2,265 10 0
2	Colonel F. C. Anderson, s. c. [Rev.]	P. H.	50 9 8	Deputy Superintendent	1st grade	1,627 14 0
3	" J. Macdonald, s. c. [Rev.]	P. H.	47 10 20	Ditto	2nd grade	...
4	" H. C. Johnstone, C. B., B. E., F. R. S. [Rev.]	P. H.	54 9 4	Ditto	1st grade	1,627 14 0
5	" J. T. Walker, C. B., B. E., F. R. S. [G. T. S.]	P. H.	51 4 0	Surveyor General of India and Superintendent, Great Trig. and Topog. Surveys.	...	3,000 0 0
6	Mr. J. B. Hennessey, M. A., F. R. S. [G. T. S.]	Not passed	48 8 0	Deputy Superintendent	1st grade	1,600 0 0
7	Lieut.-Col. G. C. Depree, s. c. [Topog.]	P. H.	45 7 29	Ditto	Ditto	1,600 0 0
8	Lieut.-Col. Branfill, B. C., [G. T. S.]	P. H.	44 4 8	Ditto	2nd grade	1,300 0 0
9	Major H. R. Thuillier, R. E. [G. T. S.]	P. H.	40 0 5	Ditto	{ 1st grade 2nd grade	{ ... 1,482 10 0
10	Lieut.-Col. C. T. Haig, R. E. [G. T. S.]	Not passed	43 8 15	Ditto	2nd grade	...
11	Major J. Sounce, s. c., [Rev.]	P. H.	41 11 29	Ditto	Ditto	1,300 0 0
12	" J. Herschel, B. E., F. R. S. [G. T. S.]	P. H.	40 5 1	Ditto	Ditto	1,482 10 0
13	Mr. R. B. Smart [Rev.]	Not passed	51 0 28	Ditto	Ditto	1,300 0 0
14	Major D. Macdonald, s. c. [Rev.]	P. H.	42 3 21	Ditto	Ditto	1,300 0 0
15	" F. Coddington, s. c. [Rev.]	P. H.	39 10 28	Ditto	3rd grade	...
16	" T. T. Carter, B. E. [G. T. S.]	P. H.	40 1 22	Ditto	{ 2nd grade 2nd grade	{ ... 1,482 10 0
17	Captain W. Barron, s. c. [Rev.]	P. H.	40 2 15	Ditto	3rd grade	1,300 0 0
18	" G. Strahan, B. E. [Topog.]	P. H.	39 1 24	Ditto	2nd grade	...
19	" R. V. Riddell, B. E. [Topog.]	P. H.	38 0 20	Ditto	3rd grade	1,440 0 0
20	Major H. C. B. Tanner, Bombay, s. c. [Rev.]	P. H.	42 8 15	Ditto	Ditto	1,000 0 0
21	Mr. E. T. S. Johnson [Rev.]	Not passed	49 11 2	Ditto	Ditto	1,000 0 0
22	Captain D. C. Andrew, s. c. [Rev.]	P. H.	37 0 13	Ditto	Ditto	1,000 0 0
23	Major A. Pullan, s. c. [G. T. S.]	P. H.	42 0 0	Ditto	Ditto	1,000 0 0
24	" W. M. Campbell, B. E. [G. T. S.]	Passed	38 8 12	Ditto	Ditto	...
25	" W. H. Wilkins, s. c. [Rev.]	P. H.	36 5 25	Assistant Superintendent	1st grade	1,000 0 0
26	Captain H. Trotter, R. E. [G. T. S.]	Not passed	36 7 1	Deputy Superintendent	3rd grade	...
27	" C. Strahan, B. E. [Topog.]	Not passed	34 10 25	Ditto	Ditto	1,440 0 0
28	" E. W. Samuels, s. c. [Rev.]	P. H.	35 8 24	Assistant Superintendent	1st grade	1,000 0 0
29	" J. E. Sandeman, s. c. [Rev.]	P. H.	34 6 29	Ditto	Ditto	1,000 0 0
30	Major W. F. Badgley, s. c. [Topog.]	P. H.	40 4 21	Ditto	Ditto	1,075 0 0
31	Mr. J. Campbell [Rev.]	Not passed	50 1 27	Ditto	Ditto	1,000 0 0
32	Captain W. J. Heaviside, R. E. [G. T. S.]	P. H.	37 9 27	Deputy Superintendent	3rd grade	...
33	Captain H. Lees Smith, s. c. [Rev.]	P. H.	39 0 18	Asst. Superintendent	1st grade	750 0 0
34	Mr. J. O. N. James [G. T. S.]	...	48 7 25	Depy. Superintendent	3rd grade	...

* Applies only to officers who are under the Uncovenanted Service Rules.

8	9	10	11	12
Date of first appointment to Department.	Date of appointment to present grade.	* Period of service counting for pension on 1st Apl. 1878.	Present Post.	REMARKS.
		Y. M. D.		
1 Oct. 3, 1846	Mar. 11, 1867	...	Deputy Surveyor General and Supdt. of Revenue Surveys, Calcutta.	Includes Rs. 65-10 personal allowance.
2 Sep. 10, 1852	April 1, 1868	...	In charge 5th Banda District Revenue Survey, N.-W. P.	Rs. 27-14 personal allowance.
3 Sept. 10, 1852	Oct. 23, 1876	...	...	On furlough, p. a., for 2 years, from 6th May 1877.
4 May 27, 1853	April 1, 1866	...	In charge 1st Dera Ismail Khan District Survey, Punjab.	Includes Rs. 27-14 personal allowance.
5 Dec. 1, 1853	Jan. 1, 1877	...	Surveyor General and Superintendent, Great Trig. and Topog. Surveys of India.	
6 Apl. 1, 1854	April 1, 1866	22 9 15	In charge Head-quarters Offices, Dehra Dün.	Joined the junior branch, April 14, 1844.
7 Oct. 20, 1854	Oct. 20, 1866	...	In charge No. 7 Topographical Party, Rajputana Survey.	
8 Oct. 4, 1858	Oct. 1, 1871	...	In charge Madras Party, Bangalore.	
9 { May 21, 1859	{ July 19, 1871 April 1, 1874 }	...	In charge Mysore Topographical Surveys.	
10 Sept. 22, 1859	Oct. 1, 1876	...	...	On furlough, p. a., for 1 year and 180 days, from 31st March 1877.
11 Oct. 21, 1859	April 1, 1869	...	In charge 8th Western Soane Irrigation Survey, District Shahabad, Behar.	
12 Nov. 12, 1859	Oct. 1, 1867	...	On duty at Head-quarters Offices, Dehra Dün.	
13 Oct. 6, 1860	April 1, 1869	30 7 9	In charge 7th Khurdah Estate Survey, Orissa.	Sick leave from 2nd May to 30th June 1848. Ditto from 20th October 1848 to 20th January 1849. Ditto from 8th July 1857 to 13th January 1858. Note.—Absence without leave for three days was erroneously entered in list on 1st October 1872 against Mr. R. B. Smart's name. Joined the junior branch, 21st September 1846.
14 Dec. 19, 1860	Jan. 1, 1878	...	In charge, 2nd Rohtak and Sirsa Districts Survey, Punjab.	
15 Jan. 17, 1862	July 26, 1867	...	...	On furlough, p. a., for 6 months, from 15th February 1876.
16 { Mar. 1, 1862	{ Oct. 1, 1871 Jan. 1, 1878 }	...	In charge Guzerat Survey.	
17 June 27, 1862	April 1, 1870	...	In charge 4th Moradabad and Budaun Districts Revenue Survey, N.-W. P.	Officiating Deputy Superintendent, 2nd grade.
18 July 2, 1862	Oct. 26, 1870	...	...	On furlough, p. a., for 2 years, from 1st May 1877.
19 Aug. 28, 1862	Oct. 1, 1867	...	Officiating Supdt., Mathl. Instt. Dept. and in charge Litho. Branch, Head-quarters, Calcutta.	Officiating Deputy Superintendent, 2nd grade. Rs. 200 local allowance. Assistant Surveyor General.
20 Oct. 10, 1862	April 1, 1870	...	In charge 11th Deccan Topographical Survey, Bombay.	
21 Nov. 21, 1862	July 5, 1870	30 5 19	In charge 6th Jounpur District Survey, N.-W. P.	Joined the junior branch, 13th October 1847.
22 Dec. 30, 1862	Jan. 1, 1878	...	In charge 9th Cuttack District Irrigation Survey, Orissa.	
23 Jan. 18, 1863	Ditto	...	In charge Kattywar Survey, Poona.	
24 Jan. 30, 1863	Feb. 1, 1867	...	...	On furlough, p. a., 1 year, from 1st February 1878.
25 Apl. 27, 1863	April 27, 1867	...	In charge 3rd Saharunpore District Survey, N.-W. P.	Officiating Deputy Superintendent, 3rd grade.
26 Sept. 5, 1863	Jan. 26, 1869	...	...	On furlough, p. a., 2 years, from 20th February 1876. Sent by the Secretary of State on Military duty to Turkey.
27 Sept. 26, 1863	Dec. 1, 1867	...	In charge No. 1 Gwalior and Central India Topographical Survey.	Officiating Deputy Superintendent, 2nd grade.
28 Dec. 17, 1863	Jan. 25, 1868	...	In charge 10th Deccan Topographical Survey, Bombay.	Officiating Deputy Superintendent, 3rd grade.
29 Oct. 6, 1864	Oct. 6, 1868	...	On special duty, Chota Nagpore Estate Survey, Bengal.	Ditto ditto.
30 May 3, 1865	May 8, 1868	...	In charge No. 6, Khasi and Garo Hills Topographical Survey.	Ditto ditto.
31 Nov. 29, 1865	Nov. 29, 1867	27 5 29	N.-W. P. Cadastral Revision Survey, Agra, Azimgurh and Humeerpur.	{ Ditto ditto. (a) Service reckoned under new rules. Furlough, p. a., from 8th May 1877 to 6th January 1878 inclusive. Joined the junior branch, 8th October 1844.
32 Mar. 1, 1866	April 5, 1872	...	...	Furlough in India and Europe for 1 year, from 16th November 1877.
33 Mar. 26, 1866	June 18, 1870	...	3rd Saharunpur District Survey, N.-W. P.	
34 April 1, 1866	April 1, 1869	...	...	Joined the Junior Branch, 20th July 1846. On furlough for 2 years, from 1st April 1878.

† Of the two grades here given, the first was under the organisation of 1866.

General List of the Officers of the Senior Department of the Survey of India as it stood on the 1st April 1878 — continued.

1 Genl. Seniority Number.	2 Names of Officers and Branch to which originally posted.	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. 1878.	11 Present Post.	12 REMARKS.
35	Mr. H. B. Talbot [Rev.] ...	L. S.	49 5 5	Asst. Superintendent ...	{ 1st grade† 2nd grade	750 0 0	April 1, 1866	Sept. 12, 1870 } April 1, 1874 }	29 4 0	In charge Eastern Soane Irrigation Survey, District Patna, Behar.	Offg. Asst. Supdt., 1st grade. Joined the Junior Branch 1st Dec. 1849.
36	Captain T. H. Holdich, B. E. [Topogl.]	L. S.	35 1 16	Ditto ...	1st grade ...	...	July 23, 1866	Dec. 15, 1868	...	...	On furlough, p. a., for 3 years, from 14th May 1877.
37	„ J. Waterhouse, s. c. [Topogl.]	P. H.	35 8 8	Ditto ...	1st grade ...	1,000 0 0	July 23, 1866	June 17, 1870	...	In charge Photographic Branch, Headquarters, Calcutta.	Offg. Depy. Supdt., 3rd grade; Asst. Survr. Genl., Rs. 200 local allowance.
38	„ M. W. Rogers, B. E. [G. T. S.]...	L. S.	36 1 12	Ditto ...	1st grade ...	1,140 0 0	July 30, 1866	Dec. 15, 1868	...	In charge Jodhpur Series ...	Offg. Depy. Supdt., 3rd grade.
39	„ J. Hill, B. E. [G. T. S.] ...	Not passed	37 3 7	Ditto ...	1st grade ...	1,140 0 0	Dec. 18, 1866	Oct. 30, 1870	...	In charge Eastern Frontier Series ...	Ditto ditto.
40	Mr. W. H. Cole, M. A. [G. T. S.] ...	H. S.	40 3 16	Ditto ...	{ 1st grade† 2nd grade	750 0 0	Jan. 3, 1867 ^a Sept. 1, 1867 ^b	Dec. 4, 1870 } Jan. 1, 1878 }	10 2 29	On duty at Head-quarters Offices, Dehra Dün.	Offg. Asst. Supdt., 1st grade. Excludes service as Professor of Mathematics, Govt. College, Agra, from 14th April 1862 to end of Feb. 1864. (b) Brought on the strength of the Department.
41	Captain H. S. Cowan, s. c. [Rev.] ...	P. H.	36 6 16	Ditto ...	2nd grade ...	750 0 0	Jan. 19, 1867	Mar. 17, 1868	...	On duty Superintendent of Revenue Surveys' Office, Calcutta	Offg. Asst. Supdt., 1st grade.
42	„ E. H. Steel, s. c. [Rev.] ...	H. S.	36 10 26	Ditto ...	2nd grade ...	750 0 0	Feb. 1, 1867	May 20, 1869	...	In charge Engraving and Cartographic Branches, Head-quarters, Calcutta.	Offg. Asst. Survr. Genl., Offg. Asst. Supdt., 1st grade.
43	„ H. S. Hutchinson, s. c. [Rev.]...	P. H.	37 11 20	Ditto ...	2nd grade ...	750 0 0	Aug. 13, 1867	Aug. 13, 1868	...	11th Deccan Topographical Survey, Bombay.	Offg. Asst. Supdt., 1st grade.
44	Mr. H. Horst [Topogl.] ...	Not passed	43 10 27	Ditto ...	1st grade ...	750 0 0	April 1, 1868	Oct. 1, 1869	23 7 0	In charge No. 2 or Khandesh and Bombay Native States Topographical Survey.	Joined the Junior Branch, 1st Sept. 1854. (c) Exclusive of 20 months' service in Borklee College.
45	Captain R. Beavan, s. c. [Rev.] ...	P. H.	33 6 11	Ditto ...	{ 2nd grade† 3rd grade	624 1 6	July 17, 1868	Nov. 9, 1869 } Jan. 1, 1878 }	...	1st Dera Ismail Khan District Revenue Survey, Punjab.	Offg. Asst. Supdt., 2nd grade. Includes Rs. 24-1-6 personal allowance.
46	Mr. E. J. Jackson [Rev.] ...	L. S.	34 3 0	Ditto ...	2nd grade ...	600 0 0	Nov. 5, 1868	Nov. 5, 1868	10 6 28	5th Banda District Revenue Survey, N.-W. P.	Joined the Junior Branch, 28th Sept. 1864. Sick leave from 4th July to 3rd Aug. 1867. Sick leave from 19th Aug. to 30th Nov. 1867. Europe, medical certificate, from 23rd July 1871 to 10th Nov. 1872.
47	Captain A. W. Baird, B. E. [G. T. S.] ...	Passed	35 10 26	Ditto ...	{ 1st grade† 2nd grade	890 0 0	Dec. 4, 1868	Oct. 1, 1871 } April 1, 1874 }	...	In charge Tidal and Leveling Operations, Bombay.	Offg. Asst. Supdt., 1st grade.
48	Mr. E. C. Barrett [Rev.] ...	H. S.	34 11 16	Ditto ...	2nd grade ...	750 0 0	Dec. 30, 1868	Dec. 30, 1868	15 3 13	7th Khurdah Estate Survey, Orissa ...	Offg. Asst. Supdt., 1st grade. Joined the Junior Branch, 18th Nov. 1862. Sick leave for one month from 30th June 1869.
49	Captain J. E. McCullagh, B. E. [G. T. S.]	L. S.	36 0 5	Ditto ...	{ 1st grade† 2nd grade	...	Feb. 12, 1869	Jan. 1, 1872 } April 1, 1874 }	...	...	Furlough on p. a., for 1 year and 3 days, from 6th Nov. 1877.
50	Mr. H. E. Gastrell [Rev.] ...	L. S.	29 1 8	Ditto ...	{ 2nd grade† 3rd grade	...	Apr. 26, 1869	Apr. 26, 1870 } Jan. 1, 1878 }	4 11 1	...	Leave on medical certificate from 23rd September 1875 to 23rd September 1876; again from 25th Jany 1877 for 1 year with 6 months' extension.
51	Captain J. R. Wilmer, s. c. [Topogl.] ...	H. S.	37 2 12	Ditto ...	{ 1st grade† 2nd grade	850 0 0	Aug. 24, 1869	Aug. 28, 1872 } April 1, 1874 }	...	In charge No. 5 Party, Bhopal and Malwa Topographical Survey.	Offg. Asst. Supdt., 1st grade. Rs. 150 personal allowance.
52	Mr. G. H. Cooke [Rev.] ...	L. S.	33 4 1	Ditto ...	{ 2nd grade† 3rd grade	600 0 0	April 1, 1870	May 10, 1871 } Jan. 1, 1878 }	11 3 26	10th Deccan Topographical Survey, Bombay.	Joined the Junior Branch, 6th Dec. 1866.
53	Mr. J. McGill [G. T. S.] ...	Not passed	47 5 9	Ditto ...	{ 1st grade† 2nd grade	750 0 0	Mar. 1, 1871	April 1, 1873 } April 1, 1874 }	26 6 0	Kattywar Survey, Poona ...	Joined the Junior Branch, 1st Oct. 1851. Offg. Asst. Supdt., 1st grade.
54	Lieut. G. W. Martin, s. c. [Rev.] ...	H. S.	30 10 2	Ditto ...	{ 2nd grade† 3rd grade	600 0 0	Mar. 24, 1871	Jan. 17, 1873 } April 1, 1874 }	...	8th Western Soane Irrigation Survey, District Shahabad, Behar.	Offg. Asst. Supdt., 2nd grade.
55	Mr. W. G. Beverley [G. T. S.] ...	Not passed	42 5 15	Ditto ...	{ 2nd grade† 3rd grade	...	April 1, 1871	April 8, 1871 } Jan. 1, 1878 }	17 6 7	...	Joined the Junior Branch, 1st July 1854. Service reckoned up to 17th May 1877. Furlough for 8 months from 17th May 1877, extended by 8 months and 29 days by the Secretary of State.
56	Lieut. R. G. Woodthorpe, B. E. [Topogl.]	L. S.	33 6 8	Ditto ...	{ 2nd grade† 3rd grade	670 0 0	July 14, 1871	July 14, 1871 } Jan. 1, 1878 }	...	No. 6 Party, North Brahmputra Exploration Survey.	Furlough, on p. a., for 18 months, from 26th Nov. 1877.
57	Lieut. E. P. Leach, B. E. [Topogl.] ...	L. S.	30 11 29	Ditto ...	{ 2nd grade† 3rd grade	...	Oct. 6, 1871	Oct. 6, 1871 } Jan. 1, 1878 }	...	...	...
58	Captain A. J. C. Scott, s. c. [Rev.] ...	H. S.	30 7 12	Ditto ...	3rd grade ...	600 0 0	Jan. 17, 1872	Jan. 17, 1873	...	4th Moradabad and Budaun Districts Revenue Survey, N.-W. P.	Offg. Asst. Supdt., 2nd grade.
59	Lieut. H. J. Harman, B. E. [G. T. S.] ...	L. S.	27 10 17	Ditto ...	{ 2nd grade† 3rd grade	670 0 0	June 3, 1872	June 3, 1872 } Jan. 1, 1874 }	...	In charge Assam Survey, Debrugurh ...	Ditto ditto.
60	Mr. E. C. Rysall [G. T. S.] ...	Not passed	40 2 15	Ditto ...	{ 2nd grade† 3rd grade	600 0 0	April 1, 1873	April 1, 1873 } Jan. 1, 1874 }	22 11 6	Officiating in charge Kumaun and Garhwal Survey.	Ditto ditto. Joined the Junior Branch, 25th Apl. 1855. Two hundred and twenty-five days. Sick leave included under old rules.
61	Lieut. St. G. C. Gore, B. E. [G. T. S.] ...	Not passed	29 1 8	Ditto ...	{ 2nd grade† 3rd grade	670 0 0	April 11, 1873	Apr. 11, 1873 } Jan. 1, 1874 }	...	Guzerat Survey ...	Offg. Asst. Supdt., 2nd grade. (d) Under the organisation of 1874.
62	Lieut. J. R. Hobday, s. c. [Topogl.] ...	H. S.	27 8 16	Ditto ...	3rd grade†	600 0 0	Sept. 11, 1874	July 7, 1875	...	No. 1 Gwalior and Central India Topographical Survey.	Offg. Asst. Supdt., 2nd grade.

* Applies only to officers who are under the Uncovenanted Service Rules

† Of the two grades here given, the first was under the organisation of 1866.

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878.

1 Genl. Seniority Number.	2 Names of Officers and Branch to which originally posted.	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 Apl. 1878.	11 Present Post.	12 REMARKS.
1	Mr. Harry Duban [G. T. S.]	...	51 2 22	Surveyor	1st grade	500 0	1 April 22, 1845	April 1, 1866	27 10 9	Personal Assistant to Superintendent, G. T. Survey.	Service reckoned under new rules (18 months and 4 days' furlough to Europe excluded).
2	" G. H. Blythe [Rev.]	...	48 5 24	Ditto	2nd grade	400 0	2 Dec. 1, 1846	Jan. 1, 1872	30 11 0	2nd Rohtak and Sirsa Districts Revenue Survey, Punjab.	Sick leave from 21st November 1870 to 20th April 1871.
3	" E. Loftie [Rev.]	...	50 5 10	Ditto	Ditto	400 0	3 Jan. 1, 1847	Jan. 1, 1871	31 3 0	Ditto ditto.	
4	" G. Housden [Rev.]	...	47 2 15	Ditto	1st grade	500 0	4 Feb. 18, 1847	July 1, 1867	31 1 11	1st Dera Ismail Khan District Revenue Survey, Punjab.	
5	" N. Belletty [G. T. S.]	L. S.	49 6 27	Ditto	Ditto	500 0	5 July 16, 1847	April 1, 1866	30 8 16	On duty at Head-quarters, Calcutta	Exclusive of Rs. 45 presidency house-rent.
6	" C. David [Rev.]	...	50 3 0	Ditto	3rd grade	350 0	6 Sept. 1, 1847	Jan. 1, 1872	30 7 0	9th Cuttack District Irrigation Survey, Orissa.	Office Assistant from 1st Sept. 1847 to 31st Dec. 1861.
7	" W. H. Patterson [Rev.]	L. S.	39 6 6	Ditto	1st grade	500 0	7 Dec. 1, 1851	Jan. 1, 1871	16 8 8	On deputation to Kamrup, Lakhiraj Survey, Assam.	Leave, on p. a., from 1st May to 31st August 1862.
8	" A. Chamarett [G. T. S.]	...	45 4 1	Ditto	Ditto	500 0	8 June 2, 1852	Mar. 1, 1871	25 9 29	Geographical Examiner, Head-quarters, Calcutta.	Leave, on p. a., to Europe, from 20th July 1872 to 18th Jan. 1873.
9	" H. J. Dolst [Topogl.]	...	41 1 0	Ditto	Ditto	...	9 July 26, 1852	Oct. 1, 1872	17 6 3a	...	Exclusive of Rs. 45 as presidency house-rent.
10	" C. W. Campbell [Rev.]	...	46 10 24	Ditto	2nd grade	400 0	10 Nov. 1, 1853	July 1, 1870	24 5 0	5th Banda District Revenue Survey, N.-W. P.	(a) Service reckoned under new rules. On 2 months' privilege leave from 15th February 1878.
11	" F. W. Kelly [Rev.]	H. S.	44 7 5	Ditto	Ditto	450 0	11 Dec. 4, 1854	July 1, 1869	22 3 2	Head Draftsman, Superintendent of Revenue Surveys' Office, Calcutta.	Draws Rs. 450 salary as Head Draftsman, and presidency house-rent Rs. 30. Personal allowance Rs. 100. Special leave for 4 months from 21st January 1858, which was overstayed from 21st May to 16th August 1858. Commencement of second service, 17th August 1858.
12	" G. A. McGill [Topogl.]	L. S.	39 11 7	Ditto	Ditto	400 0	12 April 8, 1855	Jan. 1, 1871	22 11 23	No. 7 Rajputana Topogl. Survey.	
13	" H. Beverley [G. T. S.]	...	39 5 3	Ditto	1st grade	500 0	13 June 14, 1855	April 1871	22 9 17	Officiating in charge, Burma Party	30 days' leave included under old rules.
14	" W. Sinclair [Rev.]	...	39 6 8	Ditto	3rd grade	400 0	14 Oct. 1, 1855	April 1, 1869	17 0 26	Draftsman, Superintendent of Revenue Surveys' Office, Calcutta.	On furlough, p. a., from 19th April to 23rd October 1877, inclusive. Draws Rs. 400 salary as Draftsman and presidency house-rent Rs. 30.
15	" L. H. Clarke [G. T. S.]	...	43 9 26	Ditto	2nd grade	400 0	15 Nov. 26, 1855	Dec. 1, 1872	22 4 5	Doing duty at Head-quarters, Dehra Dün.	
16	" C. J. Neuville [G. T. S.]	...	43 9 12	Ditto	Ditto	400 0	16 Dec. 1, 1855	Oct. 1, 1871	22 4 0	No. 1 Extra Party	6 months' sick leave included under old rules. Doing duty with Tital and Leveling Party during the absence on furlough of the Executive Officer.
17	" W. Todd [G. T. S.]	...	39 4 21	Ditto	Ditto	400 0	17 Jan. 11, 1856	June 1, 1874	20 1 22	Kumaun and Garhwal Survey	4 years and 23 days on medical certificate, of which 2 years count as service under old rules.
18	" A. DeSouza [G. T. S.]	...	40 7 17	Ditto	1st grade	500 0	18 Feb. 19, 1856	Sept. 1, 1875	17 5 17	Guzerat Survey	349 days' furlough and 77 days' medical leave excluded under new rules.
19	" W. R. Vynall [Rev.]	...	39 3 2	Ditto	4th grade	300 0	19 June 13, 1856	April 1, 1869	21 9 18	7th Khurdah Estate Survey, Orissa.	
20	" F. Grant [Rev.]	...	42 0 6	Ditto	2nd grade	400 0	20 July 11, 1856	April 1, 1872	21 8 21	8th or Western Soane Irrigation Survey, District Shahabad, Behar.	
21	" D. Atkinson [Topogl.]	...	39 10 24	Ditto	Ditto	400 0	21 Aug. 4, 1856	Jan. 1, 1871	21 7 28	No. 5 Bhopal and Malwa Topogl. Survey.	
22	" J. A. Vanderputt [Topogl.]	...	39 5 17	Ditto	2nd grade	400 0	22 Sept. 1, 1856	Oct. 1, 1874	21 7 0	No. 1 Gwalior and Central India Topogl. Survey.	
23	" J. F. Baness [Topogl.]	...	47 9 1	Ditto	1st grade	600 0	23 Sept. 5, 1856	May 1, 1870	21 6 26c	Chief Draftsman, Head-quarters, Calcutta	(c) Service reckoned under new rules.
24	" R. W. Chew [Topogl.]	...	38 8 8	Ditto	2nd grade	400 0	24 Sept. 15, 1856	Oct. 1, 1874	21 6 16	Mysore Topogl. Survey.	
25	" J. Low [G. T. S.]	...	38 1 0	Ditto	Ditto	400 0	25 Oct. 1, 1857	Aug. 1, 1875	20 6 0	Burma Party	362 days' sick leave, and 4 months' leave on p. a. included under old rules.
26	" C. Wood [G. T. S.]	L. S.	35 8 10	Ditto	3rd grade	350 0	26 May 6, 1858	April 1, 1871	19 8 10	Computing Office, Head-quarters Dehra Dün.	Service reckoned under old rules.
27	" H. E. T. Keelan [G. T. S.]	...	35 0 1	Ditto	Ditto	350 0	27 Aug. 17, 1858	April 1, 1872	12 0 0	Mysore Topogl. Survey	11 months and 19 days' furlough excluded under the new rules, and 18 days' sick leave.
28	" F. Bell [G. T. S.]	L. S.	35 11 6	Ditto	Ditto	350 0	28 Aug. 17, 1858	June 1, 1873	11 9 19	Kattywar Survey, Poona	Furlough for 1 year, and 17 days' subsidiary leave, and 13 months' medical leave excluded under new rules.
29	" G. Atkinson [G. T. S.]	...	34 5 20	Ditto	Ditto	350 0	29 Aug. 1, 1859	Jan. 1, 1874	18 5 20	Drawing Office, Head-quarters Dehra Dün.	Service reckoned under old rules.
30	" P. A. G. Cowley [Rev.]	L. S.	36 2 15	Ditto	Ditto	350 0	30 Sept. 1, 1859	Oct. 1, 1873	18 7 0	6th Jounpur District Survey, N.-W. P.	
31	" G. Rae [Rev.]	...	36 3 9	Ditto	Ditto	350 0	31 Sept. 1, 1859	April 1, 1872	18 7 0	8th or Western Soane Irrigation Survey, District Shahabad, Behar.	
32	" T. W. Reiley [Rev.]	L. S.	35 9 27	Ditto	4th grade	300 0	32 Oct. 18, 1859	Nov. 1, 1872	18 4 2	11th Deccan Topogl. Survey, Bombay	Absent without leave from 20th January to 28th February 1861.
33	" E. Little [Rev.]	...	32 5 19	Ditto	Ditto	300 0	33 Jan. 1, 1860	Nov. 5, 1871	18 3 0	5th Banda District Survey, N.-W. P.	Apprentice from 1st January 1860 to 4th November 1862.
34	" J. Poyton [G. T. S.]	...	50 2 2	Ditto	1st grade	500 0	34 Feb. 3, 1860	April 1, 1874	18 1 26	Kumaun and Garhwal Survey	Service reckoned under old rules.
35	" S. M. Smylie [Rev.]	L. S.	36 4 5	Ditto	3rd grade	350 0	35 July 24, 1860	April 1, 1872	17 8 8	11th Deccan Topogl. Survey, Bombay.	

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878—continued.

1 Genl. Seniority Number.	2 Names of Officers and Branch to which originally posted.	3 Passed in Vernacular.	4 Age. Y. M. D.	5 Rank.	6 Grade.	7 Salary. Rs. A. P.	8 Date of first appointment to Department.	9 Date of appointment to present grade.	10 Period of service counting for pension on 1st Apl. 1878. Y. M. D.	11 Present Post.	12 REMARKS.
37	" J. A. May [Topogl.] ...	...	35 6 15	Ditto	3rd grade	350 0 0	Oct. 1, 1860	Oct. 1, 1874	17 6 0	On duty, Supdt. of Rev. Surveys' Office, Calcutta.	Exclusive of Rs. 30, presidency house-rent. Apprentice draftsman from 1st Jan. 1860.
38	" F. Adams [Topogl.] ...	...	41 11 6	Ditto	Ditto	350 0 0	Oct. 1, 1860	Oct. 1, 1871	21 4 28a	Ditto	(a) Including service as Sub-Surveyor from 3rd November 1860 to 30th September 1860; exclusive of Rs. 30, presidency house-rent.
39	" R. D. Farrell [Topogl.] ...	...	35 2 1	Ditto	Ditto	350 0 0	Oct. 1, 1860	April 1, 1872	17 6 0	Mysore Topogl. Survey.	
40	" J. S. Pemberton [Rev.]...	L. S.	34 8 23	Ditto	Ditto	350 0 0	Oct. 6, 1860	April 1, 1872	17 5 21	2nd Rohtak and Sirsa Districts, Revenue Survey, Punjab.	Overstayed privilege leave by 5 days in June 1869.
41	" H. R. Littlewood [Rev.] ...	...	34 4 25	Ditto	Ditto	350 0 0	Oct. 6, 1860	April 1, 1872	17 5 26	9th Cuttack District Irrigation Survey, Orissa.	
42	" A. J. Wilson [Topogl.]...	L. S.	35 7 0	Ditto	Ditto	350 0 0	Dec. 1, 1860	April 1, 1874	17 4 0	No. 2 Khandesh and Bombay Native States Survey.	
43	" W. A. Wilson [Rev.] ...	L. S.	34 10 2	Ditto	4th grade	300 0 0	Jan. 1, 1861	April 1, 1872	17 3 0	4th Moradabad and Budaun Districts Survey, N.-W. P.	
44	" A. J. Gibson [Rev.] ...	...	36 0 0	Ditto	Ditto	300 0 0	May 1, 1861	Oct. 1, 1873	16 10 27	1st Dera Ismail Khan District Revenue Survey, Punjab.	Absent without leave for 3 days in Jan. 1866.
45	" E. S. P. Atkinson [Topogl.]	...	32 8 5	Ditto	Ditto	300 0 0	Aug. 13, 1861	April 1, 1872	9 6 0	No. 7 Rajputana Topogl. Survey.	
46	" J. W. Mitchell [G. T. S.]	...	34 7 29	Ditto	Ditto	300 0 0	Sept. 1, 1861	July 1, 1874	16 7 0	Burma Party	Service reckoned under old rules.
47	" A. G. Wyatt [Topogl.]...	...	33 1 4	Ditto	Ditto	300 0 0	Nov. 1, 1861	April 1, 1874	16 5 0	No. 2 Khandesh and Bombay Native States Topogl. Survey.	Service reckoned under old rules.
48	" H. Peychers [G. T. S.]...	...	35 3 18	Ditto	Ditto	300 0 0	April 8, 1862	June 1, 1874	15 11 23	Computing Office, Head-quarters, Dehra Dün.	Absent without leave 3 days. Sick leave, 2 days in Oct. 1865; 4 days in Dec. 1865, and from 11th to 16th December 1866.
49	" H. Dowman [Rev.] ...	...	31 9 20	Ditto	Ditto	300 0 0	Oct. 16, 1862	Oct. 16, 1874	15 5 1	7th Khurdah Estate Survey, Orissa ...	
50	" G. Belcham [G. T. S.] ...	...	33 1 15	Ditto	Ditto	300 0 0	Nov. 1, 1862	June 1, 1874	15 5 0	Madras Party	Service reckoned under old rules.
51	" H. T. Hanby [Rev.] ...	L. S.	31 5 12	Ditto	Ditto	300 0 0	Nov. 13, 1862	Nov. 13, 1874	15 4 18	4th Moradabad and Budaun Districts Revenue Survey, N.-W. P.	
52	" A. M. Lawson [Rev.] ...	L. S.	39 2 29	Ditto	Ditto	300 0 0	Nov. 18, 1862	May 1, 1873	15 4 13	10th Deccan Topogl. Survey, Bombay.	
53	" G. B. Scott [Rev.] ...	L. S.	33 8 6	Ditto	Ditto	300 0 0	May 1, 1863	Dec. 15, 1874	14 11 0	1st Dera Ismail Khan Dist. Surv., Punjab.	
54	" J. T. U. Coxen [Rev.] ...	...	37 6 22	Asst. Surveyor	2nd grade	200 0 0	May 16, 1863	Jan. 1, 1874	14 9 22	11th Deccan Topogl. Survey, Bombay ...	Sick leave from 8th to 31st Oct. 1873.
55	" M. J. Ogle [Topogl.] ...	...	36 0 28	Surveyor	4th grade	...	July 1, 1863	April 1, 1873	13 6 28	...	On furlough, for 1 year, from 21st Nov. 1877.
56	" L. J. Pocock [G. T. S.]	H. S.	34 11 5	Ditto	Ditto	300 0 0	July 10, 1863	July 1, 1874	12 8 5	Mysore Topogl. Survey ...	Eighty-nine days' sick leave excluded.
57	" C. F. Hamer [Topogl.]...	...	32 4 24	Asst. Surveyor	1st grade	300 0 0	Aug. 3, 1863	Oct. 1, 1871	10 4 24	No. 5 Bhopal and Malwa Topogl. Survey	Offg. Surveyor, 4th Grade. Service reckoned under new rules.
58	" A. Christie [G. T. S.] ...	H. S.	32 6 1	Surveyor	4th grade	300 0 0	Aug. 7, 1863	Oct. 1, 1874	10 6 1	Guzerat Survey.	
59	" T. E. M. Claudius [Topogl.]	...	31 10 0	Asst. Surveyor	1st grade	250 0 0	Aug. 10, 1863	April 1, 1874	9 10 0	No. 1 Gwalior and C. I. Topogl. Survey.	
60	" C. A. R. Scanlan [Topogl.]	...	30 6 19	Ditto	Ditto	250 0 0	Sept. 9, 1863	Oct. 1, 1871	8 2 19	On duty at Head Quarters ...	Exclusive of Rs. 20, presidency house-rent.
61	" W. O'Sullivan [G. T. S.]	...	34 1 17	Surveyor	4th grade	300 0 0	Oct. 1, 1863	Oct. 1, 1874	12 1 18	Assam Survey, Dibrugarh.	
62	" J. H. O'Donel [Rev.] ...	...	32 8 15	Asst. Surveyor	1st grade	250 0 0	Ditto	Oct. 1, 1872	10 8 15	Eastern Soane Irrigation Survey, District Patna, Behar.	
63	" N. C. Gwynne [G. T. S.]	...	35 0 25	Surveyor	4th grade	300 0 0	Ditto	Oct. 1, 1874	12 1 18	Kattywar Survey, Poona.	
64	" J. Newland [Rev.] ...	L. S.	40 7 26	Asst. Surveyor	1st grade	250 0 0	Oct. 22, 1863	June 29, 1871	14 5 10	10th Deccan Topogl. Survey, Bombay.	
65	" W. C. Price [G. T. S.]	...	31 9 7	Surveyor	4th grade	300 0 0	Nov. 1, 1863	Oct. 1, 1874	9 9 7	Jodhpore Series	
66	" R. Todd [Topogl.] ...	...	32 8 20	Asst. Surveyor	1st grade	250 0 0	Ditto	Oct. 1, 1871	10 8 19	1st Dera Ismail Khan District Revenue Survey, Punjab.	
67	" P. Ford [Rev.] ...	L. S.	32 3 24	Ditto	Ditto	250 0 0	Dec. 15, 1863	June 4, 1873	10 3 19	2nd Rohtak and Sirsa Districts Revenue Survey, Punjab.	Absent without leave 1 day, and sick leave 4 days in October 1865.
68	" J. Todd [Rev.] ...	...	43 10 19	Surveyor	3rd grade	350 0 0	Dec. 27, 1863	Jan. 1, 1872	14 3 4	3rd Saharanpur District Surv., N. W. P.	Overstayed privilege leave by 1 day in August 1874.
69	" G. Campbell [Rev.] ...	...	28 8 19	Asst. Surveyor	Ditto	160 0 0	Jan. 1, 1864	Dec. 1, 1874	6 8 19	7th Khurda Estate Survey, Orissa	Office Assistant from 1st January 1864 to 28th Feb. 1871.
70	" R. B. Smart, Jr. [Rev.]	L. S.	30 9 2	Ditto	1st grade	250 0 0	Ditto	May 27, 1874	8 9 2	5th Banda Dist. Rev. Survey, N.-W. P.	Apprentice from 1st January to 31st December 1864.
71	" D. A. King [Rev.] ...	...	31 4 26	Ditto	Ditto	250 0 0	April 12, 1864	Jan. 1, 1874	9 4 25	On special duty, Chota Nagpore Estate Survey, Bengal.	Apprentice from 12th April to 30th June 1864.
72	" A. W. Chennell [Topogl.]	...	31 4 16	Ditto	Ditto	...	May 1, 1864	Oct. 1, 1872	9 4 1	...	On furlough, for 1 year, from 21st November 1877.

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878 — continued.

1	2	3	4	5	6	7	8	9	10	11	12
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.	Date of first appointment to Department.	Date of appointment to present grade.	Period of service counting for pension on 1st Apl. 1878.	Present Post.	REMARKS.
			Y. M. D.			Rs. A. P.			Y. M. D.		
73	Mr. A. James [Topogl.] ...	...	31 4 12	Assistant Surveyor ...	1st grade ...	250 0 0	73 June 15, 1864	Sept. 1, 1873	9 4 12	Mysore Topogl. Survey.	
74	" C. Tapsell [Topogl.] ...	L. S.	33 4 17	Ditto ...	Ditto ...	250 0 0	74 Aug. 2, 1864	Oct. 1, 1872	11 4 16	No. 1 Gwalior and C. I. Topogl. Survey.	
75	" C. H. McA'Fee [G. T. S.] ...	L. S.	28 4 15	Surveyor ...	4th grade ...	300 0 0	75 Sept. 6, 1864	Aug. 1, 1875	6 4 16	Guzerat Survey.	
76	" W. Stotesbury [Topogl.] ...	H. S.	31 8 6	Assistant Surveyor ...	1st grade ...	250 0 0	76 Oct. 1, 1864	April 1, 1874	8 8 6	Mysore Topogl. Survey.	
77	" F. Kitchen [Topogl.] ...	...	32 0 7	Ditto ...	Ditto ...	250 0 0	77 Oct. 4, 1864	Ditto ...	10 0 7	Ditto.	
78	" T. H. Rendell [G. T. S.] ...	...	33 8 9	Ditto ...	Ditto ...	250 0 0	78 Oct. 11, 1864	June 1, 1873	11 8 9	Tidal and Leveling operations.	
79	" C. W. F. Seyers [Rev.] ...	...	34 7 15	Ditto ...	3rd grade ...	160 0 0	79 Dec. 1, 1864	Oct. 1, 1871	12 7 15	3rd Saharunpur Dist. Survey, N.-W. P.	
80	" J. Connor [Rev.] ...	...	30 6 24	Ditto ...	1st grade ...	325 0 0	80 Feb. 15, 1865	Dec. 8, 1874	8 6 24	Draftsman, Supdt. of Rev. Survey's Office, Calcutta.	Draws Rs. 325 salary as Draftsman and presidency house-rent Rs. 20.
81	" T. H. Dunne [Rev.] ...	L. S.	30 3 5	Ditto ...	Ditto ...	250 0 0	81 Ditto ...	Feb. 15, 1871	8 2 24	7th Khurda Estate Survey, Orissa.	Absent without leave 1 day, and sick leave for 10 days in October 1865.
82	" W. J. Lane [Rev.] ...	...	30 10 5	Ditto ...	Ditto ...	275 0 0	82 Mar. 1, 1865	April 24, 1871	8 5 26	Draftsman, Supdt. of Rev. Survey's Office, Calcutta.	Draws presidency house-rent Rs. 20 in addition to Rs. 275, pay as draftsman. Sick leave from 10th May to 8th July 1865, and from 7th August to 23rd October 1866.
83	" J. W. Macdougall [G. T. S.] ...	...	33 1 16	Ditto ...	Ditto ...	...	83 Ditto ...	June 1, 1874	10 5 16	...	Service reckoned up to 31st July 1877. On furlough from 1st August 1877 for 1 year.
84	" E. J. Connor [G. T. S.] ...	L. S.	29 7 15	Ditto ...	Ditto ...	250 0 0	84 Ditto ...	July 1, 1874	7 1 10	No. 1 Extra Party ...	Six months and 5 days' leave on private affairs excluded under new rules. Doing duty with Tidal and Leveling Party during the absence on furlough of the Executive Officer.
85	" E. A. Wainright [Topogl.] ...	...	29 9 13	Ditto ...	2nd grade...	250 0 0	85 May 1, 1865	Oct. 1, 1871	7 9 13	No. 5 Bhopal & Malwa Topogl. Survey.	Officiating Assistant Surveyor, 1st grade.
86	" Hugh Todd [G. T. S.] ...	...	30 7 15	Ditto ...	1st grade ...	250 0 0	86 July 15, 1865	June 1, 1874	8 6 16	Mysore Topogl. Survey ...	Thirty days' sick leave excluded.
87	" J. A. Barker [Topogl.] ...	...	28 11 18	Ditto ...	Ditto ...	250 0 0	87 Sept. 18, 1865	Oct. 1, 1871	6 11 18	Ditto.	
88	" R. C. D. Ewing [Rev.] ...	H. S.	29 9 20	Ditto ...	2nd grade...	250 0 0	88 June 9, 1866	Sep. 9, 1872	7 9 20	3rd Saharunpur Dist. Survey, N.-W. P.	Officiating Assistant Surveyor, 1st grade.
89	" W. J. Cornelius [Topogl.] ...	L. S.	29 0 1	Ditto ...	Ditto ...	250 0 0	89 Aug. 15, 1866	Oct. 1, 1872	7 0 1	No. 1 Gwalior and Central India Topogl. Survey.	Ditto Ditto,
90	" W. J. Smith [Rev.] ...	...	29 8 19	Ditto ...	Ditto ...	...	90 Sept. 1, 1866	May 27, 1874	7 2 19	...	Office Assistant from 1st September 1869 to 31st May 1869. On sick leave for 1 year from 17th July 1877.
91	" W. F. Pettigrew [Topogl.] ...	...	33 7 19	Ditto ...	Ditto ...	200 0 0	91 Sept. 12, 1866	Oct. 1, 1872	10 1 9	No. 2 Khandesh and Bombay Native States Topogl. Survey.	
92	" J. Bond [G. T. S.] ...	...	28 2 24	Ditto ...	1st grade ...	250 0 0	92 Oct. 18, 1866	Oct. 1, 1874	6 2 4	No. 2 Extra Party ...	Twenty days' sick leave excluded. Doing duty with the Guzerat Party during the absence on furlough of the Executive Officer.
93	" C. D. Potter [G. T. S.] ...	L. S.	32 6 27	Ditto ...	Ditto ...	250 0 0	93 Oct. 29, 1866	Ditto ...	10 5 23	Madras Party ...	Thirty-three days' leave excluded.
94	" G. W. Jarbo, [Rev.] ...	L. S.	30 6 15	Ditto ...	2nd grade...	200 0 0	94 Nov. 1, 1866	Nov. 1, 1872	8 6 0	5th Banda Dist. Revenue Survey, N.-W. P.	Sick leave for 15 days from 26th May to 9th June 1869.
95	" J. R. Scott, [Rev.] ...	L. S.	29 0 27	Ditto ...	Ditto ...	200 0 0	95 Jan. 19, 1867	May 1, 1870	7 0 27	9th Cuttack District Irrigation Survey, Orissa.	
96	" P. J. W. Doran, [Topogl.] ...	L. S.	28 10 27	Ditto ...	Ditto ...	200 0 0	96 Feb. 1, 1867	April 1, 1873	6 0 5	No. 1 Gwalior and C. I. Topogl. Survey.	
97	" C. W. Wilson, [Rev.] ...	L. S.	32 4 22	Ditto ...	3rd grade ...	160 0 0	97 June 21, 1867(a)	Oct. 1, 1870	9 11 22	3rd Saharunpur District Survey, N.-W. P.	(a) Commencement of second service. Sick leave for 3 months from 1st March 1869, and 2 months from 1st August 1869.
98	" J. McHatton, [Rev.] ...	L. S.	27 8 14	Ditto ...	2nd grade...	225 0 0	98 July 1, 1867	July 1, 1870	5 8 14	Draftsman, Supdt. Rev. Survey's Office, Calcutta.	Draws Rs. 225 salary as Draftsman and presidency house-rent Rs. 20.
99	" W. W. McNair, [Topogl.] ...	L. S.	27 6 18	Ditto ...	Ditto ...	200 0 0	99 Sep. 1, 1867	Oct. 1, 1872	5 7 18	Mysore Topogl. Survey.	
100	" E. J. Martin, [Rev.] ...	...	27 1 15	Ditto ...	3rd grade ...	160 0 0	100 Sep. 16, 1867	May 27, 1874	5 1 15	6th Jaunpur District Survey, N.-W. P.	Office Asst. from 16th September 1867 to 31st July 1870.
101	" H. T. Kitchen, [Topogl.] ...	...	29 9 23	Ditto ...	2nd grade ...	200 0 0	101 Nov. 1, 1867	Nov. 1, 1873	7 9 23	No. 5 Bhopal and Malwa Topogl. Survey	
102	" A. Cooper, [Topogl.] ...	...	37 5 4	Ditto ...	Ditto ...	200 0 0	102 Dec. 1, 1867	Apl. 1, 1874(b)	15 3 0	No. 2 Khandesh and Bombay Native States Survey.	(b) Service reckoned under old rules; includes previous service in Pegu Survey from 2nd January 1863 to 30th November 1867.
103	" J. H. Wilson, [Topogl.] ...	L. S.	31 9 23	Ditto ...	Ditto ...	200 0 0	103 April 1, 1868	Ditto ...	9 8 23	No. 7 Rajputana Topogl. Survey.	
104	" J. Hickie, [G. T. S.] ...	L. S.	29 2 17	Ditto ...	Ditto ...	200 0 0	104 April 29, 1868	June 1, 1874	6 8 17	Guzerat Survey ...	Six months' medical leave excluded.
105	" W. H. Lilley, [Topogl.] ...	...	29 3 29	Ditto ...	Ditto ...	200 0 0	105 May 1, 1868	May 1, 1871	7 3 28	No. 5 Bhopal and Malwa Topogl. Survey.	
106	" W. Fielding, [G. T. S.] ...	L. S.	29 10 13	Ditto ...	Ditto ...	200 0 0	106 May 3, 1868	July 1, 1874	7 10 13	Kattywar Survey, Poona.	
107	" G. D. Cusson, [G. T. S.] ...	L. S.	31 6 7	Ditto ...	Ditto ...	200 0 0	107 May 8, 1868	Oct. 1, 1874	9 6 7	Guzerat Survey.	
108	" T. Kinney, [G. T. S.] ...	L. S.	30 10 27	Ditto ...	1st grade ...	250 0 0	108 June 17, 1868	Ditto ...	8 4 27	Mysore Topogl. Survey	Six months' leave on private affairs excluded.
109	" S. O. Madras, [Rev.] ...	...	27 7 16	Ditto ...	2nd grade...	200 0 0	109 July 6, 1868	July 6, 1874	5 7 16	4th, Moradabad and Budaun Districts Revenue Survey, N.-W. P.	
110	" T. F. Freeman, [Rev.] ...	L. S.	27 0 27	Ditto ...	Ditto ...	200 0 0	110 Sept. 9, 1868	Sept. 9, 1874	5 0 27	5th Banda Dist. Rev. Survey, N.-W. P.	

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878—continued.

1 Genl. Seniority Number.	2 Names of Officers and Branch to which originally posted.	3 Passed in Vernacular.	4 Age. Y. M. D.	5 Rank.	6 Grade.	7 Salary. Rs. A. P.	8 Date of first appointment to the Department.	9 Date of appointment to present grade.	10 Period of service counting for pension on 1st Apl. 1878. Y. M. D.	11 Present Post.	12 REMARKS.
112	„ J. Murphy [Rev.] ...	...	25 8 19	Ditto ...	3rd grade ...	160 0 0	Nov. 22, 1868	Nov. 1, 1871	3 8 19	4th Moradabad and Budaun Dist. Rev. Survey, N.-W. P.	Office Assistant from 22nd November 1868 to 31st October 1871.
113	„ W. D. Corbett [Rev.] ...	...	27 10 0	Ditto ...	Ditto ...	160 0 0	Dec. 1, 1868	May 30, 1874	5 10 0	Ditto ditto ...	Office Assistant from 1st December 1868 to 31st July 1870.
114	„ C. P. Torrens [G. T. S.] ...	...	27 9 11	Ditto ...	2nd grade ...	160 0 0	Dec. 12, 1868	Apl. 1, 1873	5 9 11	Jodhpore series ...	Officiating Assistant Surveyor, 1st grade.
115	„ J. S. Swiney [Rev.] ...	...	27 3 12	Ditto ...	Ditto ...	200 0 0	Jan. 5, 1869	Jan. 5, 1872	5 3 12	Eastern Soane Irrigation Survey, Dist. Patna, Behar.	
116	„ G. L. R. Scott [Rev.] ...	L. S.	26 10 15	Ditto ...	Ditto ...	200 0 0	Mar. 1, 1869	Mar. 1, 1872	4 10 15	9th Cuttack District Irrigation Survey, Orissa.	
117	„ W. J. Lincoln [Rev.] ...	L. S.	26 6 22	Ditto ...	Ditto ...	200 0 0	Apl. 1, 1869	Apl. 1, 1872	4 6 22	4th Moradabad and Budaun Dists. Rev. Survey, N.-W. P.	
118	„ B. Anderson [Rev.] ...	L. S.	26 10 15	Ditto ...	Ditto ...	200 0 0	Apl. 20, 1869	June 29, 1872	4 10 15	2nd Rohitak and Sirsa Dists. Rev. Survey, Punjab.	
119	„ T. Shaw [Rev.] ...	L. S.	25 4 15	Ditto ...	3rd grade ...	200 0 0	Apl. 21, 1869	May 1, 1873	3 4 15	8th Western Soane Irrigation Surv., Dist. Shahabad, Behar.	Officiating Assistant Surveyor, 2nd grade.
120	„ W. Robert [Topogl.] ...	...	27 1 2	Ditto ...	Ditto ...	240 0 0	Aug. 21, 1869	Oct. 1, 1872	5 1 2	No. 6 Party, North Brahmputra Exploration Survey.	Ditto ditto. Inclusive of Rs. 40, Assam local allowance.
121	„ W. H. Penrose [Rev.] ...	L. S.	26 5 24	Ditto ...	Ditto ...	200 0 0	Aug. 11, 1869	June 4, 1873	4 5 24	11th Deccan Topogl. Survey, Bombay ...	Officiating Assistant Surveyor, 2nd grade.
122	„ A. Bryson [G. T. S.] ...	H. S.	28 7 1	Ditto ...	Ditto ...	160 0 0	Sep. 20, 1869	Oct. 1, 1873	6 7 1	Madras Party.	
123	„ F. E. Warde [Topogl.] ...	...	26 6 24	Ditto ...	Ditto ...	160 0 0	Sep. 1, 1870	Sep. 1, 1873	4 6 24	No. 2 Khandesh and Bombay Native States Topogl. Survey.	
124	„ C. T. Templeton [Topogl.] ...	...	25 6 27	Ditto ...	Ditto ...	160 0 0	Sep. 1, 1870	Sep. 1, 1873	3 6 27	No. 1 Gwalior and Central India Topogl. Survey.	
125	„ A. D. Smart, [Rev.] ...	...	47 5 17	Surveyor ...	Ditto ...	350 0 0	Oct. 1, 1870(a)	Oct. 1, 1870	7 6 0	7th Khurda Estate Survey, Orissa ...	(a) Commencement of second service.
126	„ G. E. Parker [Rev.] ...	...	28 1 18	Assistant Surveyor ...	Ditto ...	160 0 0	Nov. 18, 1870	July 8, 1874	6 1 18	On special duty, Chota Nagpore Estate Survey, Bengal.	
127	„ J. McCay [Topogl.] ...	...	24 5 24	Ditto ...	Ditto ...	200 0 0	Dec. 1, 1870	Dec. 1, 1873	2 5 24	No. 6 Khasi and Garo Hills Topogl. Surv.	Inclusive of Rs. 40, Assam local allowance.
128	„ P. E. Heberlet [Rev.] ...	...	23 8 1	Ditto ...	Ditto ...	160 0 0	Aug. 9, 1871	Sep. 12, 1872	1 4 1	7th Khurda Estate Survey, Orissa ...	Apprentice from 3rd August 1871 to 11th September 1872. Sick leave from 11th February to 10th June 1877.
129	„ W. Oldham [G. T. S.] ...	...	25 3 15	Ditto ...	3rd grade ...	160 0 0	Oct. 15, 1871	June 1, 1874	3 3 15	Kattywar Survey, Poona.	
130	„ C. W. J. Ford [Rev.] ...	...	25 0 6	Ditto ...	Ditto ...	160 0 0	Nov. 1, 1871	...	3 0 6	9th Cuttack District Irrigation Survey, Orissa.	
131	„ W. C. G. Barkley [Topogl.] ...	...	26 5 10	Ditto ...	Ditto ...	160 0 0	Dec. 1, 1871	Feb. 1, 1874	3 0 16	No. 7 Rajputana Topogl. Survey.	
132	„ A. W. Smart [Rev.] ...	...	27 1 1	Ditto ...	Ditto ...	160 0 0	Jan. 1, 1872	Jan. 1, 1878	5 1 1	6th Jounpur District Survey, N.-W. P.	
133	„ G. VanderBeek [Topogl.] ...	L. S.	28 6 15	Ditto ...	Ditto ...	160 0 0	July 1, 1872	...	5 9 0	No. 2 Khandesh and Bombay Native States Topogl. Survey.	
134	„ G. H. O'Donel, [Rev.] ...	...	30 7 18	Ditto ...	4th grade ...	...	July 23, 1872(b)	...	5 4 13	...	(b) Commencement of second service; sick leave from 1st April to 30th December 1874. On sick leave from 5th March 1878 for 3 months.
135	„ H. G. Young [Rev.] ...	H. S.	26 11 19	Ditto ...	3rd grade ...	160 0 0	Sep. 1, 1872	Jan. 1, 1878	4 11 19	5th Banda District Revenue Survey, N.-W. P.	
136	„ J. C. Clancey [G. T. S.] ...	...	23 6 13	Ditto ...	Ditto ...	160 0 0	Sep. 30, 1872	Oct. 1, 1874	1 6 13	Eastern Frontier Series.	
137	„ J. C. Murray [Topogl.] ...	L. S.	25 7 17	Ditto ...	Ditto ...	160 0 0	Oct. 1, 1872	Jan. 1, 1878	3 7 16	No. 5 Bhopal and Malwa Topogl. Survey.	
138	„ A. Kitchen [Topogl.] ...	...	25 2 5	Ditto ...	Ditto ...	160 0 0	Ditto ...	...	3 2 5	Ditto ditto.	
139	„ P. White [Topogl.] ...	...	27 5 22	Ditto ...	4th grade ...	160 0 0	Ditto ...	...	5 5 22	Mysore Topogl. Survey ...	Officiating Assistant Surveyor, 3rd grade.
140	„ J. O. Hughes [G. T. S.] ...	...	22 7 8	Ditto ...	3rd grade ...	160 0 0	Oct. 14, 1872	April 1, 1875	0 7 8	Burma Party ...	Two months and 22 days' sick leave excluded from period of non-qualifying service.
141	„ Irvin S. Pooock [G. T. S.] ...	...	28 10 9	Ditto ...	Ditto ...	160 0 0	Oct. 28, 1872	Ditto ...	5 4 17	No. 7 Rajputana Topogl. Survey ...	Excludes previous service in the Stud Dept. from 1st March 1869 to 23rd October 1872, and 17 days absent without pay.
142	„ B. M. Wilson [Rev.] ...	...	29 11 17	Ditto ...	4th grade ...	160 0 0	Nov. 15, 1872	...	6 2 0	9th Cuttack District Irrigation Survey, Orissa.	Officiating Assistant Surveyor, 3rd grade.
143	„ E. P. S. Hill [Rev.] ...	...	23 9 17	Ditto ...	Ditto ...	160 0 0	Nov. 16, 1872	...	1 9 17	5th Banda District Revenue Survey, N.-W. P.	Apprentice from 1st February to 14th November 1872.
144	„ E. H. S. Gasper [Rev.] ...	...	24 4 16	Ditto ...	Ditto ...	120 0 0	Ditto ...	...	2 0 16	6th Jounpur District Survey, N.-W. P.	Sick leave for 4 months from 1st September to 31st December 1870.
145	„ G. T. Hall [G. T. S.] ...	L. S.	25 11 24	Ditto ...	3rd grade ...	160 0 0	Nov. 22, 1872	Aug. 1, 1875	3 11 24	Kattywar Survey, Poona.	
146	„ E. B. M. Drew [Rev.] ...	...	23 11 10	Ditto ...	4th grade ...	...	May 5, 1873	...	0 11 26	...	On leave without pay from 17th April 1877.
147	„ R. R. Dickinson [Rev.] ...	L. S.	26 8 6	Ditto ...	Ditto ...	120 0 0	April 16, 1873	...	4 8 6	10th Deccan Topogl. Survey, Bombay ...	Apprentice from 1st April 1872 to 15th April 1873.
148	„ J. F. McCarthy [G. T. S.] ...	L. S.	24 11 2	Ditto ...	Ditto ...	120 0 0	Aug. 1, 1873	...	2 11 2	Assam Survey, Dibrugarh.	

General List of the Officers of the Junior or Subordinate Department of the Survey of India as it stood on the 1st April 1878—concluded.

1	2	3	4	5	6	7	8	9	10	11	12
Genl. Seniority Number.	Names of Officers and Branch to which originally posted.	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.		
149	Mr. E. Graham [Topogl.]	L. S.	24 5 0	Assistant Surveyor	4th grade	120 0 0	Aug. 11, 1873	...	2 5 0	No. 2 Khandesh and Bombay Native States' Topogl. Survey.	Previous service as Sub-Surveyor from 1st Nov. 1872.
150	" G. L. Fleming [Topogl.]	...	23 11 29	Ditto	Ditto	120 0 0	Aug. 11, 1873	...	1 11 29	Mysore Topogl. Survey.	
151	" G. R. Copping [Topogl.]	L. S.	24 9 6	Ditto	Ditto	120 0 0	Aug. 11, 1873	...	2 9 6	No. 5 Bhopal and Malwa Topogl. Survey	Previous service as Apprentice from 1st Oct. 1873.
152	" G. A. Knight [Topogl.]	...	23 11 9	Ditto	Ditto	120 0 0	Aug. 11, 1873	...	1 11 9	Mysore Topogl. Survey.	
153	" D. J. Collins [G. T. S.]	...	23 10 27	Ditto	Ditto	120 0 0	Oct. 6, 1873	...	1 10 27	Eastern Frontier Series.	
164	" P. A. Peters [Rev.]	L. S.	23 3 23	Ditto	Ditto	120 0 0	Nov. 1, 1873	...	1 3 23	1st Dera Ismail Khan District Revenue Survey, Punjab.	
155	" H. Corkery [G. T. S.]	L. S.	26 7 10	Ditto	Ditto	120 0 0	Nov. 20, 1873	...	4 4 11	Kattywar Survey, Poona.	
156	" C. T. J. Densie [Rev.]	...	22 9 4	Ditto	Ditto	120 0 0	Dec. 1, 1873	...	0 9 4	11th Deccan Topogl. Survey, Bombay	Office Assistant from 1st June 1873 to 30th Nov. 1874.
157	" H. R. Adels [Rev.]	...	28 0 25	Ditto	Ditto	120 0 0	Feb. 19, 1874	...	4 1 4	9th Cuttack Dist. Irrgn. Survey, Orissa	Absent without leave for six days in June 1876.
158	" P. F. Prunty [G. T. S.]	...	23 3 6	Ditto	Ditto	120 0 0	May 9, 1874	...	1 3 6	Jodhpore Series.	
159	" J. Keating [G. T. S.]	...	23 10 27	Ditto	Ditto	120 0 0	June 1, 1874	...	1 10 27	Kattywar Survey, Poona.	
160	" C. S. Kraal [Rev.]	L. S.	24 6 6	Ditto	Ditto	120 0 0	July 24, 1874	...	2 6 6	2nd Rohtak and Sirsa Districts Revenue Survey, Punjab.	
161	" S. F. Norman [G. T. S.]	...	23 7 23	Ditto	Ditto	120 0 0	Sep. 1, 1874	...	1 7 23	Guzerat Survey.	
162	" C. Norman [G. T. S.]	L. S.	21 10 12	Ditto	Ditto	120 0 0	Oct. 12, 1874	...	...	Ditto.	
163	" Duncan Campbell [Topogl.]	...	25 4 13	Ditto	Ditto	160 0 0	Nov. 1, 1874	...	3 4 13	No. 6 Khasi and Garo Hills Topogl. Survey.	Joined as a Sub-Surveyor on 3rd July 1873. Inclusive of Rs. 40, Assam local allowance.
164	" Thomas Campbell [Rev.]	...	21 2 16	Proby. Assistant Surveyor	Ditto	120 0 0	May 1, 1875	...	...	8th Western Soane Irrigation Survey, District Shahabad, Behar.	
165	" R. F. Warwick [G. T. S.]	L. S.	23 0 2	Assistant Surveyor	Ditto	120 0 0	July 2, 1875	...	1 0 2	Kumaun and Garhwal Survey.	
166	" L. F. Berkeley [Rev.]	...	23 7 3	Proby. Assistant Surveyor	Ditto	120 0 0	Aug. 16, 1875	...	1 7 3	4th Moradabad and Budaun Districts Revenue Survey, N.-W. P.	
167	" J. M. Kennedy [G. T. S.]	...	21 4 28	Assistant Surveyor	Ditto	120 0 0	Aug. 19, 1875	...	...	Mysore Topogl. Survey.	
168	" G. P. Tate [Topogl.]	...	21 8 10	Proby. Assistant Surveyor	Ditto	120 0 0	Mar. 12, 1878	...	...	No. 1 Gwalior and C. I. Topogl. Survey.	Apprentice from 1st March 1874.
169	Vacant.										

Disposition List of the Officers of the Survey of India as it stood on the 1st April 1878.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Barkundazes.	Apothecary.						
		No.	No.	No.	No.	No.	No.	Rs.					
1	Native States, in Rajputana Agency, Odeypore and Sirohi.	5	1	128	1	9	...	...	Captain Charles Strahan, B. E. (in charge). Lieut. J. R. Hobday, s. c. ... Mr. H. J. Bolst ... " J. A. Vanderputt ... " T. E. M. Claudius ... " C. Tapsell ... " W. J. Cornelius ... " P. J. W. Doran ... " C. T. Templeton ... " G. P. Tate ...	27 62 9 22 59 74 89 96 124 168	Depy. Supdt., 3rd grade, offg. in 2nd grade. Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 1st grade ... Ditto, 2nd grade. Asst. Surveyor, 1st grade. Ditto 1st grade. Ditto 2nd grade, offg. in 1st grade. Ditto 2nd grade. Ditto 3rd grade. Proby. ditto, 4th grade.	June 1867.	On 2 months' privilege leave from 16th February 1874.
2	Khandesh and Bombay Native States ...	7	1	123	1	12	...	...	H. Horst, Esq. (in charge) ... Mr. A. J. Wilson ... " A. G. Wyntt ... " W. F. Pettigrew ... " A. Cooper ... " F. E. Warde ... " G. VanderBeek ... " E. Graham ...	44 42 47 91 102 123 133 149	Asst. Supdt., 1st grade ... Surveyor, 3rd grade. Ditto 4th grade. Asst. Surveyor, 2nd grade. Ditto 2nd grade. Ditto 3rd grade. Ditto 3rd grade. Ditto 4th grade.	19th Oct. 1874	
5	Sehore, Agar, Indore, Bhopawar, Agencies of Central India Agency.	5	...	155	1	8	...	...	Captain J. R. Wilmer, s. c. (in charge). Mr. D. Atkinson ... " C. F. Hamer ... " E. A. Wainright ... " H. T. Kitchen ... " W. H. Lilley ... " J. C. Murray ... " A. Kitchen ... " G. R. Copping ...	51 21 57 85 101 105 137 138 151	Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 2nd grade. Asst. Surveyor, 1st grade, offg. Surveyor, 4th grade. Ditto 2nd grade, offg. in 1st grade. Ditto 2nd grade. Ditto 2nd grade. Ditto 3rd grade. Ditto 3rd grade. Ditto 4th grade.	Sept. 1874.	

Disposition List of the Officers of the Survey of India as it stood on the 1st April 1878—continued.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Barkundazes.	Apothecary.						
		No.	No.	No.	No.	No.	No.	Rs.					
6	Nágá Hills on the Eastern Frontier, Assam	1	1	66	1	11	...	...	Major W. F. Badgley, s. c. (in charge) ... 30 Mr. J. McCay ... 127 " D. Campbell ... 163	Asst. Supdt., 1st grade, offg. Deputy Supdt., 3rd grade. Assistant Surveyor, 3rd grade. Ditto, 4th grade.	Aug. 11, 1873.	
	North Brahmaputra Exploration Survey	...	...	34	1	...	...	...	Lieut. R. G. Woodthorpe, n. e. ... 56 Mr. W. Robert ... 120	Asst. Supdt., 3rd grade. Asst. Surveyor, 3rd grade, offg. in 2nd grade.		
7	Meywar, Marwar, Godwar, Shahpura, Mhairwara, and Ajmere, in the Rajputana Agency, and at Simla	9	2	190	1	18	...	...	Lieut.-Col. G. C. Depree, s. c. (in charge) ... 7 Mr. G. A. McGill ... 12 " E. S. P. Atkinson ... 45 " J. H. Wilson ... 103 " W. C. G. Barckley ... 131 " I. S. Pocock ... 141	Depy. Supdt., 1st grade ... Surveyor, 2nd grade. Surveyor, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 3rd grade. Ditto, 3rd grade.	Nov. 1, 1877.	
8	Mysore	3	...	50	...	20	...	...	Major H. R. Thuillier, n. e. (in charge) ... 9 Mr. R. W. Chew ... 24 " R. D. Farrell ... 39 " A. James ... 73 " W. Stotesbury ... 76 " F. Kitchen ... 77 " J. A. Barker ... 87 " W. W. McNair ... 99 " P. White ... 139 " G. L. Fleming ... 150 " G. A. Knight ... 152	Depy. Supdt., 2nd grade ... Surveyor, 2nd grade. Ditto 3rd grade. Asst. Surveyor, 1st grade. Ditto 1st grade. Ditto 1st grade. Ditto 1st grade. Ditto 2nd grade. Ditto 4th grade, offg. in 3rd grade. Ditto 4th grade. Ditto 4th grade.	Nov. 5, 1877.	
9	Mysore	3	1	50	1	20	...	...	Major H. R. Thuillier, n. e. (in charge) ... 9 Mr. H. E. T. Keelan ... 27 " L. J. Pocock ... 56 " Hugh Todd ... 86 " T. Kinney ... 108 " J. M. Kennedy ... 167	Depy. Supdt., 2nd grade ... Surveyor, 3rd grade. Surveyor, 4th grade. Asst. Surveyor, 1st grade. Ditto 1st grade Ditto 4th grade.	April 11, 1877	Party formed 1st October 1876 from members of the G. T. Survey. On deputation to Head-quarters Office, G. T. Survey.

Disposition List of the Officers of the Survey of India as it stood on the 1st April 1878—continued.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.
		Sub-Surveyors, &c.	Writers.	Levelers.	Chainmen or Measurers.	Hospital Assistants.	Burkundazes.	
		No.	No.	No.	No.	No.	No.	Rs.
1	Dera Ismail Khan District, Punjab	30	...	...	200	1	15	...
2	Rohtak and Sirsa Districts, Punjab	30	1	...	200	1	15	...
3	Saharanpur District, North-Western Provinces	30	1	...	200	1	17	...
4	Moradabad and Budaun Districts, North-Western Provinces.	31	...	1	140	1	13	...
5	Banda District, North-Western Provinces	25	...	1	188	1	17	...
6	Jounpur District, North-Western Provinces	30	...	...	200	1	14	...

Officers in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
Col. H. C. Johnstone, c. b., s. c. (in charge). Captain R. Beavan, s. c. ... Mr. G. Housden ... " W. S. Buttress ... " A. J. Gibson ... " G. B. Scott ... " R. Todd ... " P. A. Peters ...	4 45 4 36 44 53 66 164	Depy. Supdt., 1st grade ... Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 1st grade. Ditto 4th grade. Ditto 4th grade. Ditto 4th grade. Asst. Surveyor, 1st grade. Ditto, 4th grade.	Oct. 15, 1873	
Major D. Macdonald, s. c. (in charge). Mr. E. Loftie ... " G. H. Blythe ... " J. S. Pemberton ... " P. Ford ... " B. Anderson ... " C. S. Kraal ...	14 3 2 40 67 118 160	Dy. Supdt., 2nd grade ... Surveyor, 2nd grade. Ditto 2nd grade. Ditto 3rd grade. Asst. Surveyor, 1st grade. Ditto 2nd grade. Ditto 4th grade.	Nov. 19, 1877	
Major W. H. Wilkins s. c. (in charge). Capt. H. L. Smith, s. c. ... Mr. J. Todd ... " R. C. D. Ewing ... " C. W. Wilson ... " C. W. F. Seyers ...	25 33 68 88 97 79	Asst. Supdt., 1st grade, offg. Depy. Supdt., 3rd grade. Asst. Supdt., 1st grade. Surveyor, 3rd grade. Asst. Surveyor, 2nd grade, offg. in 1st grade. Ditto 3rd grade. Ditto 3rd grade.	Dec. 1, 1877	
Captain W. Barron, s. c. (in charge). Captain A. J. C. Scott, s. c. ... Mr. W. A. Wilson ... " H. T. Hanby ... " S. O. Madras ... " W. J. Lincoln ... " W. D. Corbett ... " J. Murphy ... " L. F. Berkeley...	17 58 43 51 109 117 113 112 166	Depy. Supdt., 3rd grade, offg. in 2nd grade. Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 4th grade. Ditto 4th grade. Asst. Surveyor, 2nd grade. Ditto 2nd grade. Ditto 3rd grade. Ditto 3rd grade. Proby. Asst. Surveyor, 4th grade.	Nov. 12, 1873	
Col. F. C. Anderson, s. c. (in charge). E. J. Jackson, Esq. ... Mr. C. W. Campbell ... " E. Little ... " R. B. Smart, Jr. ... " G. W. Jarbo ... " T. F. Freeman ... " H. G. Young ... " E. P. S. Hill ...	2 46 10 33 70 94 110 135 143	Depy. Supdt., 1st grade ... Asst. Supdt., 2nd grade. Surveyor, 2nd grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto 2nd grade. Ditto 2nd grade. Ditto 3rd grade. Ditto 4th grade, offg. in 3rd grade.	Nov. 1, 1871	
E. T. S. Johnson, Esq. (in charge) Mr. P. A. G. Cowley ... " E. J. Martin ... " A. W. Smart ... " E. H. S. Gasper ...	21 30 100 132 144	Depy. Supdt., 3rd grade ... Surveyor, 3rd grade. Asst. Surveyor, 3rd grade. Ditto 3rd grade. Ditto 4th grade.	Oct. 1, 1872	

Disposition List of the Officers of the Survey of India as it stood on the 1st April 1878—continued.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officers in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors, &c.	Writers.	Levelers.	Chainmen or Measurers.	Hospital Assistants.	Burkundazes.						
		No.	No.	No.	No.	No.	No.	Rs.					
7	Khurda Estate Survey, Orissa	31	1	...	180	1	16	...	R. B. Smart, Esq. (in charge) ... 13 E. C. Barrett, Esq. ... 48 Mr. A. D. Smart ... 125 " W. R. Vvall ... 19 " H. Dowman ... 49 " T. H. Dunne ... 81 " G. Campbell ... 69 " P. E. Heberlet ... 128	Depty. Supdt., 2nd grade ... Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 3rd grade. Ditto 4th grade. Ditto 4th grade. Asst. Surveyor, 1st grade. Ditto 3rd grade. Asst. Surveyor, 3rd grade.	Nov. 15, 1876		
8	Shahabad District, Western Soane Irrigation Survey, Behar	19	1	...	130	1	12	...	Major J. Sconce, s. c. (in charge) ... 11 Lieut. G. W. Martin, s. c. ... 54 Mr. F. Grant ... 20 " G. Rae ... 31 " T. Shaw ... 119 " G. H. O'Donel, ... 134 " T. Campbell ... 164 H. B. Talbot, Esq., in charge ... 35 Mr. J. H. O'Donel ... 62 " J. S. Swiney ... 116	Depty. Supdt., 2nd grade ... Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 2nd grade. Ditto 3rd grade. Asst. Surveyor, 3rd grade, offg. in 2nd grade. Asst. Surveyor, 4th grade ... Proby. ditto 4th grade. Asst. Supdt., 2nd grade, offg. in 1st grade. Asst. Surveyor, 1st grade. Ditto 2nd grade.	Mar. 15, 1876	On 3 months' sick leave from 5th March 1878.	
	Eastern Soane Irrigation Survey, District Patna, Behar	9	...	...	48	...	4	...				
9	Cuttack District Irrigation Survey, Orissa	38	1	...	200	1	15	...	Capt. D. C. Andrew, s.c. (in charge) ... 22 Mr. C. David ... 6 " H. R. Littlewood ... 41 " J. R. Scott ... 95 " G. L. R. Scott ... 116 " C. W. J. Ford ... 130 " B. M. Wilson ... 142 " H. R. Adels ... 157	Depty. Supdt., 3rd grade ... Surveyor, 3rd grade. Ditto 3rd grade. Asst. Surveyor, 2nd grade. Ditto 2nd grade. Ditto 3rd grade. Ditto 4th grade, offg. in 3rd grade. Ditto 4th grade.	Jany. 1, 1878		
10	Ahmednagar and Poona Districts, Deccan Survey, Bombay	18	1	...	165	1	16	...	Capt. E. W. Samuells, s. c. (in charge) ... 28 G. H. Cooke, Esq. ... 52 Mr. A. M. Lawson ... 52 " J. Newland ... 64 " G. C. Swiney ... 111 " R. R. Dickenson ... 147	Asst. Supdt., 1st grade, offg. Depy. Supdt., 3rd grade. Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 4th grade. Asst. Surveyor, 1st grade. Ditto 2nd grade. Ditto 4th grade.	Jany. 3, 1878		
11	Poona and Sholapur Districts, Deccan Survey, Bombay...	16	1	...	165	1	12	...	Major H. C. B. Tanner, Bom. s. c. (in charge.) ... 20 Captain H. S. Hutchinson, s. c. ... 43 Mr. S. M. Smylie ... 35 " T. W. Reilly ... 32 " J. T. U. Coxen ... 64 " W. H. Penrose ... 121 " C. T. J. Dease ... 156	Depty. Supdt., 3rd grade ... Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 3rd grade. Ditto, 4th grade. Asst. Surveyor, 2nd grade. Ditto 3rd grade, offg. in 2nd grade. Ditto 4th grade.	Apl. 23, 1877		
...	Chota Nagpore Estate (Special Survey) Cadastral, Bengal	8	...	...	75	1	5	...	Captain J. E. Sandeman, s. c. (in charge) ... 29 Mr. D. A. King ... 71 " G. E. Parker ... 126	Asst. Supdt., 1st grade, offg. Depy. Supdt., 3rd grade. Asst. Surveyor, 1st grade. Ditto 3rd grade.	Oct. 1, 1874	
...	North-Western Provinces Cadastral Revision Survey, Agra, Azamgarh, and Hamirpur	Draftsmen 17	4	...	...	...	...	...	J. Campbell, Esq. ... 31	Asst. Supdt., 1st grade, offg. Depy. Supdt., 3rd grade.	Jany. 7, 1878	

Disposition List of the Officers of the Survey of India as it stood on the 1st April 1878—continued.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.	Officer in charge.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Barkandazes.	Jemadars.						
	<i>Madras Party.</i> On the South-East Coast of the Peninsula between Madras and Cape Comorin ; recess quarters at Bangalore ...	No.	No.	No.	No.	No.	No.	Rs.					
		...	...	56	1	17	...	...	Lt. Col. B. R. Branfill, B. C. ... Mr. G. Belcham ... " C. D. Potter... " A. Bryson ...	8 50 93 122	Depy. Supdt., 2nd grade Surveyor, 4th grade. Assistant Surveyor, 1st grade. Ditto 3rd grade.	... June 1, 1877.	
	<i>Eastern Frontier Series.</i> British Burma ; recess quarters at Moulmein ...	...	1	78	2	27	...	...	Captain J. Hill, B. E. ... Mr. J. C. Clancey ... " D. J. Collins ...	39 136 153	Assistant Superintendent, 1st grade, offg. Depy. Supdt., 3rd grade. Assistant Surveyor, 3rd grade. Ditto 4th grade.	Mar. 17, 1877.	
	<i>Burma Party.</i> British Burma ; recess quarters at Moulmein ...	...	1	61	1	7	...	...	H. Beverley, Esq. ... Mr. J. Low ... " J. W. Mitchell ... " J. O. Hughes ...	13 25 46 140	Surveyor, 1st grade Surveyor, 2nd grade. Ditto 4th grade. Assistant Surveyor, 3rd grade.	... May 18, 1877	Officiating in charge.
	<i>Kumaun and Garhwal Party.</i> This party has been largely reduced and will be employed in completing the mapping ...	6	...	55	1	8	...	...	E. C. Ryall, Esq. ... Mr. J. Peyton ... " W. Todd ... " R. F. Warwick ...	60 34 17 165	Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 1st grade. Ditto 2nd grade. Asst. Surveyor, 4th grade.	Apl. 4, 1876...	Officiating in charge.
	<i>Assam Valley Triangulation.</i> Assam ...	...	1	54	1	12	...	...	Lieut. H. J. Harman, B. E. ... Mr. W. O'Sullivan ... " J. F. McCarthy ...	59 61 148	Asst. Supdt., 3rd grade, offg. in 2nd grade. Surveyor, 4th grade. Asst. Surveyor, 4th grade.	Oct. 6, 1874.	
	<i>Jodhpore Series.</i> In the Jodhpore, Jesulmeer and Bikaner States ; recess quarters at Mount Aboo ...	...	...	50	1	14	...	...	Captain M. W. Rogers, B. E. ... Mr. W. C. Price ... " C. P. Torreus ... " P. F. Prunty ...	38 65 114 158	Asst. Supdt., 1st grade, offg. Depy. Supdt., 3rd grade. Surveyor, 4th grade ... Assistant Surveyor, 2nd grade, offg. in 1st grade. Ditto 4th grade.	Nov. 20, 1874.	Temporarily transferred to Eastern Frontier Party.
	<i>Kattywar Party.</i> The Province of Kattywar, Bombay Presidency ; recess quarters at Poona ...	11	1	145	1	27	...	...	Major A. Pullan, S. C. ... J. McGill, Esq. ... Mr. F. Bell ... " N. C. Gwynne ... " W. Fielding ... " W. Oldham ... " G. T. Hall ... " H. Corkery ... " J. Keating ...	23 53 28 63 106 129 145 155 159	Depy. Supdt., 3rd grade Asst. Supdt., 2nd grade, offg. in 1st grade. Surveyor, 3rd grade ... Ditto 4th grade. Assistant Surveyor, 2nd grade. Ditto 3rd grade. Ditto 3rd grade. Ditto 4th grade. Ditto 4th grade.	Apl. 6, 1873.	

Disposition List of the Officers of the Survey of India as it stood on the 1st April 1878 —concluded.

Number of Party.	WHERE EMPLOYED.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual No. of Party.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Barkandazes.	Jemadars.	
	<i>Guzerat Party.</i>	No.	No.	No.	No.	No.	No.	...
	Guzerat; recess quarters at Poona	22	1	200	1	33	...	...
	<i>No. 1 Extra Party.</i>							
	Carrying on Electric Determinations of Longitude ... ..	...	...	24	...	3	...	...
	<i>No. 2 Extra Party.</i>							
	Carrying on Electric Determinations of Longitude ... ..	...	1	10	...	3	...	...
	<i>Tidal and Levelling Operations.</i>							
	Tidal operations at various Ports	5	1	36	1	12	...	...
	Levelling operations in Bombay Presidency; recess quarters at Poona.	...	...	...	...	...	...	...

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Major T. T. Carter, R. E. ... Lieut. St. G. C. Gore, R. E. ...	16 61	Depy. Supdt., 2nd grade... Asst. Supdt., 3rd grade, offg. in 2nd grade.	June 14, 1877.	
Mr. A. D'Souza ... " A. Christie ... " C. H. McA'Fee ... " J. Hickie ... " G. D. Cusson ... " S. F. Norman ... " C. Norman ...	18 58 75 104 107 161 162	Surveyor, 1st grade. Ditto 4th grade. Ditto 4th grade. Asst. Surveyor, 2nd grade. Ditto 2nd grade. Ditto 4th grade. Ditto 4th grade.		
Captain W. J. Heaviside, R. E. Mr. C. J. Neuville ... " E. J. Connor ...	32 16 84	Depy. Supdt., 3rd grade Surveyor, 2nd grade Asst. Surveyor, 1st grade	Dec. 20, 1875 }	On furlough. Doing duty with Tidal and Levelling Party during absence of Executive Officer on furlough.
Major W. M. Campbell, R. E. Mr. J. Bond ...	24 92	Depy. Supdt., 3rd grade Asst. Surveyor, 1st grade	Aug. 1, 1875	On furlough. Doing duty with Guzerat Party during the absence of the Executive Officer on furlough.
Captain A. W. Baird, R. E. ... Mr. T. H. Rendell ...	47 78	Asst. Supdt., 2nd grade, offg. in 1st grade. Assistant Surveyor, 1st grade.	July 2, 1877. ...	

Classified List of Officers of the Mysore Revenue Survey Department as it stood on the 1st April 1878.

1 No. of Officers in each grade.	2 NAMES.	3 Substantive Appointment.	4 Duty on which at present employed.					
				5	6	7	8	9
1	The Hon'ble Colonel W. C. Anderson ...	Survey and Settlement Commissioner	Survey and Settlement Commissioner					
2	Major J. P. Grant ...	Superintendent	...					
3	" J. W. M. Anderson ...	Deputy Superintendent	Offg. Superintendent					On furlough to Europe for 20 months from 13th July 1877.
<i>1st Grade.</i>								
1	Captain J. Rutherford ...	Assistant Superintendent	Offg. Deputy Superintendent					
2	Major G. Mackenzie ...	Ditto	Assistant Superintendent					
3	Captain F. W. Major ...	Ditto	Ditto					
4	" J. B. Lawrence ...	Ditto	Ditto					
5	Mr. E. H. Butcher ...	Ditto	Ditto					
<i>2nd Grade.</i>								
1	Captain M. F. Coussmaker ...	Assistant Superintendent	...					
2	" R. L. Price ...	Ditto	Assistant Superintendent					On leave on medical certificate to Europe for 2 years from 2nd July 1870.
3	Mr. J. P. Barker ...	Ditto	...					
4	Lieutenant A. H. Macintire ...	Ditto	...					On leave on medical certificate to Europe for 1 year from 5th Nov. 1877.
5	Mr. G. F. Meiklejohn ...	Ditto	...					On special famine duty.
6	Captain D. Cowie ...	Ditto	...					Ditto ditto.
7	Mr. W. E. A. James ...	Ditto	...					Ditto ditto.
8	Mr. F. B. Clerk ...	Ditto	Assistant Superintendent					Ditto ditto. Privilege leave for 3 months, from 8th February 1878.
<i>3rd Grade.</i>								
1	Captain A. McCally ...	Assistant Superintendent	...					On leave on medical certificate.
2	Mr. G. K. Betham ...	Ditto	...					On special famine duty.
<i>4th Grade.</i>								
1	Mr. A. G. Hudson ...	Assistant Superintendent	Assistant Superintendent					Vide Government of India Notification No. 707 of 6th December 1877.
<i>Probationary.</i>								
1	Mr. E. W. Laseron ...	Probationary Asst. Supdt.	Probationary Asst. Supdt.					Services replaced at the disposal of this Dept. on the 7th February 1878.

SALARIES, INCLUDING ALLOWANCES.				REMARKS.
TO MILITARY OFFICERS.			TO CIVILIANS.	
Military Pay and Allowances.	Staff Pay.	Aggregate Pay and Allowances.	Civil Consolidated Salary.	
5	6	7	8	9
		Rs. A. P.	Rs. A. P.	
.....	1,247 3 7	.....
.....	1,565 14 0	.....
.....	1,275 7 0	.....	On furlough to Europe for 20 months from 13th July 1877.
.....	995 0 0	.....
.....	795 0 0	.....
.....	795 0 0	.....
.....	795 0 0	.....
.....	795 0 0	
.....	695 0 0	.....	On leave on medical certificate to Europe for 2 years from 2nd July 1870.
.....	695 0 0	.....
.....	695 0 0	On leave on medical certificate to Europe for 1 year from 5th Nov. 1877.
.....	695 0 0	.....	On special famine duty.
.....	695 0 0	695 0 0	Ditto ditto.
.....	695 0 0	695 0 0	Ditto ditto.
.....	695 0 0	Ditto ditto.
.....	695 0 0	Privilege leave for 3 months, from 8th February 1878.
.....	560 0 0	.....	On leave on medical certificate.
.....	560 0 0	On special famine duty.
.....	460 0 0	Vide Government of India Notification No. 707 of 6th December 1877.
.....	255 0 0	Services replaced at the disposal of this Dept. on the 7th February 1878.

General List of Officers of the Mysore Revenue Survey Department on the 1st April 1878.

1 Genl. Seniority Number.	2 NAMES.	3 Passed in the Vernacular.	4 Age.	5 Rank.	6 Grade.	7 Salary.
			Y. M. D.			Rs. A. P.
1	The Hon'ble Col. W. C. Anderson ...	All have passed in the Vernacular.	55 8 5	Survey and Settlement Commissioner	...	1,100 0 0
2	Major J. P. Grant ...		40 0 0	Superintendent	...	1,310 0 0
3	" J. W. M. Anderson ...		40 5 10	Offg. Superintendent	...	1,050 0 0
4	Captain J. Rutherford ...		36 2 22	Offg. Deputy Superintendent	...	860 0 0
5	" F. W. Major ...		37 8 3	Assistant Superintendent	...	660 0 0
6	Mr. E. H. Butcher ...		41 9 2	Ditto	...	660 0 0
7	Captain M. F. Coussmaker ...		34 10 20	Ditto	...	560 0 0
8	Mr. J. P. Barker ...		30 6 16	Ditto	...	560 0 0
9	" G. F. Meiklejohn ...		29 3 8	Ditto	...	560 0 0
10	" W. E. A. James ...		35 9 25	Ditto	...	560 0 0
11	" F. B. Clerk ...		33 7 13	Ditto	...	560 0 0
12	Captain J. B. Lawrence ...		36 5 3	Ditto	...	660 0 0
13	Lieutenant A. H. Macintire ...		30 1 11	Ditto	...	560 0 0
14	Captain D. Cowie ...		37 3 15	Ditto	...	560 0 0
15	" A. McCally ...		34 4 24	Ditto	...	455 0 0
16	" R. L. Price ...		35 3 20	Ditto	...	560 0 0
17	Major G. Mackenzie ...		36 8 28	Ditto	...	660 0 0
18	Mr. G. K. Betham ...		27 6 0	Ditto	...	455 0 0
19	" A. G. Hudson ...		19 11 2	Ditto	...	355 0 0
20	" E. W. Laseron ...		33 11 7	Proby. Assistant Superintendent	...	180 0 0

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.		
Sept. 28, 1863	Sept. 28, 1863	...	Survey and Settlement Commissioner.	
Nov. 1, 1863	Jan. 15, 1868	...	Superintendent	
Nov. 27, 1863	July 8, 1877	...	Offg. Superintendent.	On furlough to Europe from 13th July 1877.
Feb. 1, 1865	July 8, 1877	...	Offg. Deputy Superintendent.	
April 23, 1865	Jan. 5, 1875	...	Assistant Superintendent.	
Oct. 2, 1865	Mar. 26, 1876	12 5 29	Ditto	
Dec. 24, 1865	Jan. 26, 1870	...	Ditto	
Dec. 22, 1866	Dec. 1, 1873	8 6 2	Ditto	
Nov. 30, 1867	June 1, 1874	7 2 23	Ditto	On leave on medical certificate to Europe for one year.
Dec. 1, 1867	June 8, 1876	8 10 9	Ditto	On special duty connected with famine relief.
Jan. 16, 1868	Nov. 26, 1875	...	Ditto	Ditto ditto.
Jan. 15, 1869	Mar. 10, 1876	10 2 15	Ditto	Privilege leave 3 months from 8th February 1878.
Dec. 6, 1869	Jan. 8, 1874	...	Ditto	
Dec. 3, 1870	Dec. 2, 1874	...	Ditto	On special duty connected with famine relief.
Jan. 18, 1872	May 1, 1876	...	Ditto	Ditto ditto.
Nov. 1, 1872	Nov. 1, 1872	...	Ditto	Services replaced at the disposal of this dept. on the 7th Feb. 77
Oct. 31, 1873	Nov. 1, 1873	...	Ditto	On privilege leave on medical certificate for 3 months.
Nov. 1, 1873	May 27, 1876	5 5 17	Ditto	On special duty connected with famine relief.
Nov. 23, 1876	Nov. 23, 1876	...	Ditto	* Vide Govt. of India Notfn. No. 707 of 6th Dec. 1877.
March 22, 1877	March 22, 1877	...	Proby. Asst. Superintendent	Services replaced at the disposal of this dept. on the 7th Feb. 78.

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

* Applies only to officers who are under the Unconvenanted Civil Service Rules.

longest in the Department standing first on the list. Their dates of first appointment to the Department (column 8), and period of have been arranged in consecutive order.

Disposition List of Officers of the Mysore Revenue

Survey Department on the 1st April 1878.

Number of Party.	Where employed.	STRENGTH OF SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party from 1st April 1877 to 31st Mar. 1878.
		Sub-Surveyors.	English Clerks.	Karkoons.	Learners.	Mappers.	Peons.	
1	2	3	4	5	6	7	8	9
1	Mysore Province ...	No.	No.	No.	No.	No.	No.	Rs.
2	Ditto ...	3	2	39	23	29	9	18,695
3	Ditto ...	...	2	8	...	...	4	36,059
<i>Measuring Establishments.</i>								
4	Mysore District ...	24	...	2	4	...	2	17,684
5	Ditto ...	25	...	3	2	...	2	17,058
6	Ditto ...	...	...	...	...	...	...	4,473
7	Ditto ...	22	...	2	5	...	2	8,285
8	Ditto ...	...	...	...	...	...	...	6,093
9	Hassan and Kadur District	32	...	3	7	...	2	6,720
10	Mysore District	21	...	2	5	...	2	16,820
11	Ditto	...	...	...	...	...	...	7,151
12	Ditto	...	...	...	...	...	...	8,340
13	Tumkur and Kadur Districts	33	...	4	5	...	2	9,452
14	Ditto	...	...	...	...	...	...	7,815
15	Hassan District	20	...	2	5	...	2	9,540
16	Ditto	...	...	...	...	...	...	12,659
17	Ditto	...	...	...	...	...	...	5,500
18	Ditto	...	...	...	...	...	...	13,493
19	Ditto	...	...	...	...	...	...	8,340
20	Ditto	...	...	...	...	...	...	2,840
21	TOTAL	180	6	67	56	29	31	2,43,321
<i>Classing Establishments.</i>								
22	Bangalore and Kadur Districts	18	...	1	4	...	2	4,991
23	Tumkur and Kadur Districts	17	...	1	5	...	2	15,367
24	TOTAL	35	...	2	9	...	4	15,987

* The subordinate establishments have been distributed amongst the remaining establishments as follows:

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
10	11	12	13	14
The Hon'ble Col. W. C. Anderson	1	Survey and Settlement Commissioner	Sept. 28, 1863	
Major J. W. M. Anderson	3	Offg. Superintendent	July 8, 1877	
Captain J. Rutherford	4	Offg. Deputy Superintendent	July 8, 1877	
<i>Establishment.</i>				
Captain D. Cowie *	A. ... 14	Assistant Supdt., 2nd grade	Dec. 2, 1871	On special famine duty.
" J. B. Lawrence	B. ... 12	Ditto 1st do.	Oct. 28, 1870	
Major G. Mackenzie	} D. ... 17	Ditto 1st do.	Mar. 1, 1878	
Mr. F. B. Clerk	} ... 11	Ditto 2nd do.	Nov. 26, 1869	Privilege leave, 3 months, from 8th Feb. 78.
Captain J. B. Lawrence	} F. ... 12	Ditto 1st do.	Mar. 15, 1877	
Mr. G. K. Betham	} ... 18	Ditto 3rd do.	April 15, 1875	On special famine duty.
Captain R. L. Price	G. ... 16	Ditto 2nd do.	Sept. 10, 1875	
Major G. Mackenzie	} H. ... 17	Ditto 1st do.	Mar. 1, 1878	On special famine duty.
Lieut. A. H. Macintire	} ... 13	Ditto 2nd do.	Dec. 8, 1870	Services replaced at the disposal of this Department on the 7th Feb. 1874.
Captain A. McCally *	I. ... 15	Ditto 3rd do.	Nov. 8, 1874	
" R. L. Price	} K. ... 16	Ditto 2nd do.	Mar. 1, 1878	
Major G. Mackenzie	} ... 17	Ditto 1st do.	Nov. 5, 1873	
Mr. A. G. Hudson	} L. ... 19	Ditto 4th do.	Jan. 1, 1878	
" J. P. Barker	} ... 8	Ditto 2nd do.	Dec. 1, 1867	On leave on medical certificate to Europe for one year.
" W. E. A. James *	N. ... 10	Ditto 2nd do.	April 19, 1873	On special famine duty.
" G. F. Meiklejohn	... 9	Ditto 2nd do.	...	On special famine duty.
" E. W. Lonsdon	... 20	Probationary Asst. Supdt.	...	Services replaced at the disposal of this Department on the 7th Feb. 1874.
Mr. E. H. Butcher	C. ... 6	Assistant Supdt., 1st grade	Jan. 26, 1867	
Captain F. W. Major	E. ... 5	Ditto 1st do.	April 15, 1875	

temporary measure, owing to the absence of Assistant Superintendents, as noted in column 14.

Classified List of Officers of the Berar Revenue Survey Department on the 1st April 1878.

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Duty on which at present employed.
1	Mr. R. R. Beynon ... <i>1st Grade.</i>	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.	
.....	1,400 0 0	
.....	795 0 0	.....	On furlough to Europe for 2 years from the 14th February 1877.

vide Government of India, Financial Department, No. 2956, dated 21st October 1866.

General List of Officers of the Berar Revenue Survey Department on the 1st April 1878.

1	2	3	4	5	6	7
Genl. Seniority Number.	NAMES.	Passed in the Vernacular.	Age on 15th April.	Rank.	Grade.	Salary.
1	Mr. R. R. Beynon ...	Passed ...	Y. M. D. 38 5 3	Superintendent	...	Rs. A. P. 1,400 0 0
2	Captain C. C. Pemberton ...	Ditto ...	38 3 6	Assistant Superintendent	1st grade	795 0 0

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

*Applies only to officers who are under

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.
April 28, 1875	Oct. 30, 1859	Omitted in accordance with instructions contained in letter No. 433, dated the 14th July 1874, from the Govt. of India in the Dept. of Rev., Agriculture and Commerce.	Y. M. D. 15 0 9	Superintendent	Service under 23 years of age and period on leave to Europe have been deducted.
Feb. 2, 1873	Sept. 14, 1864		...	Assistant Superintendent	On furlough to Europe for 2 years from the 14th February 1877.

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

Disposition List of Officers of the Berar Revenue Survey Department on the 1st April 1878.

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 Apr. 1877 to 31st Mar. 1878.
		Sub-Surveyors.	English Clerk.	Karkuns.	Mappers.	Peons.	TOTAL.			
		No.	No.	No.	No.	No.	No.			
1	East and West Berar	1	13	14	13	41	Omitted in accordance with instructions contained in letter No. 433, dated the 14th July 1874, from the Government of India in the Department of Revenue, Agriculture and Commerce.		Rs. 35,100	
	TOTAL	1	13	14	13	41			35,100	

Officer in charge.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
Mr. R. R. Beynon ...	1	Superintendent	Oct. 30, 1872.	

Classified List of Officers of the Marine Survey Department as it stood on the 1st April 1878.

No. sanctioned.	No. existing in each grade.	NAMES.	Substantive Appointment.	Survey Party to which at present attached.	Present Pay.	REMARKS.
SCIENTIFIC OFFICERS.						
1	1	Commander A. D. Taylor, I.N., F.R.G.S.	Supdt. of Marine Surveys ... ..	... ..	1,800 0 0	
1	1	Staff Commander J. H. Ellis, B.N.	Deputy Supdt. of Marine Surveys, 1st grade ... ..	... ..	1,000 0 0	
1	1	Navg. Lieut. F. W. Jarrad, B.N., F.R.A.S., F.R.G.S.	Ditto 2nd grade	No. 1 Party	750 0 0	
3	...	<i>Assistant Superintendents, 1st Grade.</i>				
1	1	Navg. Lieut. G. C. Hammond, B.N., F.R.G.S.	Asst. Supdt., 1st grade ... ..	... ..	...	On leave for one year from 1st July 1877—vide Department of Revenue, Agriculture and Commerce Notification No. 460 (Surveys), dated 3rd August 1877. Lieutenant Hammond receives a leave allowance of Rs. 150-2-9 per month.
2	1	Mr. Morris Chapman, late I.N.	Ditto	No. 2 Party	575 0 0	
3	1	Navg. Sub-Lieut. E. W. Petley, B.N.	Offg. ditto	No. 1 Party	610 0 0	
4	...	<i>Assistant Superintendents, 2nd Grade.</i>				
1	1	Navg. Lieut. T. C. Pascoe, B.N.	Asst. Supdt., 2nd grade	No. 1 Party	375 0 0	
2	1	Lieut. W. H. Coombs, B.N.	Ditto	No. 2 Party	375 0 0	
3	1	Vacant	Ditto ... ..	... ..	...
4	1	Mr. P. J. Falle	Ditto	No. 1 Party	325 0 0	
2	...	<i>Assistant Superintendents, 3rd Grade.</i>				
1	1	Vacant	Asst. Supdt., 3rd grade ... ..	... ..	...
2	1	Ditto	Ditto ... ..	... ..	...
CIVIL OFFICERS.						
1	...	<i>Supdt., Drawing Branch.</i>				
1	1	Mr. R. C. Carrington, F.R.A.S.	Superintendent, Drawing Branch ... ..	... ..	800 0 0	
1	...	<i>Medical Officer and Naturalist.</i>				
1	1	Surgeon J. Armstrong, B.A., F.L.S.	Medical Officer and Naturalist	No. 1 Party	400 0 0	

General List of Officers of the Marine Survey Department on the 1st April 1878.

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.	Present Post.	REMARKS.
			Y. M. D.			Rs. A.			Y. M. D.		
SCIENTIFIC OFFICERS.											
1	Commander A. D. Taylor, late I.N., F.R.G.S.	...	52 7 1	Superintendent of Marine Surveys	...	1,800 0	July 27, 1874	July 27, 1874	3 8 3	Superintendent of Marine Surveys	Exclusive of Indian Navy service.
2	Staff Commander J. H. Ellis, R.N.	...	42 3 8	Depy. Supdt. of Marine Surveys	1st grade	1,000 0	Nov. 19, 1874	Nov. 19, 1874	20 5 2	Depy. Supdt. of Marine Surveys, 1st grade.	
3	Navg. Lieut. F. W. Jarrad, R.N., F.R.A.S., F.R.G.S.	Hindustani, L. S.	34 0 18	Ditto ditto	2nd grade	760 0	Nov. 19, 1874	Dec. 1, 1875	11 9 15	Ditto, 2nd grade.	
4	Navg. Lieut. G. C. Hammond, R.N., F.R.G.S.	...	31 6 0	Assistant Superintendent	1st grade	...	Nov. 19, 1874	Nov. 19, 1874	5 9 0	Asst. Superintendent, 1st grade	On leave for one year from 1st July 1877—vide Department of Revenue, Agriculture and Commerce Notification No. 460 (Surveys), dated 3rd August 1877. Lieutenant Hammond receives a leave allowance of Rs. 150-2-9 per month.
5	Mr. Morris Chapman, late I.N.	...	35 4 0	Ditto	Ditto	575 0	Jan. 21, 1875	Nov. 3, 1876	7 4 0	Ditto	Exclusive of Indian Navy service.
6	Navg. Sub-Lieut. E. W. Petley, R.N.	...	27 10 7	Ditto	Offg. ditto	510 0	Nov. 19, 1874	Nov. 16, 1877	...	Offg. ditto	Counts no service at present according to Navy regulations.
7	Navg. Lieut. T. C. Pascoe, R.N.	...	30 9 5	Ditto	2nd grade	375 0	Oct. 6, 1876	Oct. 6, 1876	3 6 0	Asst. Superintendent, 2nd grade.	
8	Lieut. W. H. Coombs, R.N.	Hindustani, L. S.	27 0 3	Ditto	Ditto	375 0	Oct. 6, 1876	Oct. 6, 1876	3 2 0	Ditto.	
9	Vacant	...	...	Ditto	Ditto	...	.....	.....	...	Ditto.	
10	Mr. P. J. Falle	...	30 9 19	Ditto	Ditto	325 0	Nov. 1, 1874	April 2, 1876	9 3 18	Ditto.	
CIVIL OFFICERS.											
1	Mr. R. C. Carrington, F.R.A.S.	Hindustani, L. S.	39 9 0	Supdt., Drawing Branch	...	800 0	Dec. 26, 1874	Dec. 26, 1874	19 0 0	Superintendent, Drawing Branch.	
2	Surgeon J. Armstrong, B.A., F.L.S.	Ditto	31 5 2	Medical Officer and Naturalist	...	400 0	Jan. 24, 1875	Jan. 24, 1875	4 0 0	Medical Officer and Naturalist.	

Disposition List of Officers of the Marine Survey Department on the 1st April 1878.

Names of Surveying Vessels.	Where employed.	STRENGTH OF CREW.			Cost of Pay from 1st October 1877 to 31st March 1878.	Officer in charge and Assistant Superintendents.	Number in General List.	Rank and Grade.	Date of assuming charge.	REMARKS.
		Engineer.	Tide Watchers.	Stoker, Serang, Leadsman, &c.						
	Calcutta—Head-quarters	...	...	...	Rs. A.				
Steam Cutter "Girdlestone," No. 1 Party	Ratnagiri and Vizadrag	1	2	15	3,374 11	Commander A. D. Taylor, late I.N., F.R.G.S. 1 Superintendent of Marine Surveys ... July 27, 1874. Staff Commander J. H. Ellis, R.N. 2 Deputy Supdt. of Marine Surveys ... Nov. 19, 1874. Mr. R. C. Carrington, F.R.A.S. 1 Superintendent, Drawing Branch ... Dec. 26, 1874. Navg. Lieut. F. W. Jarrad, R.N., F.R.A.S., F.R.G.S. 3 Deputy Supdt. of Marine Surveys, 2nd grade ... Sept. 1, 1877. Navg. Sub-Lieut. E. W. Petley, R.N. 6 Offg. Asst. Superintendent, 1st grade. Navg. Lieut. T. C. Pascoe, R.N. 7 Asst. Superintendent, 2nd grade. Mr. P. J. Falle 10 Ditto. Surgeon J. Armstrong, B.A., F.L.S. 2 Medical Officer and Naturalist.				
Steam Cutter "Greenwich," No. 2 Party	Paumben Pass and Tuticorin	1	2	15	3,685 12	Mr. Morris Chapman, late I.N. 5 Asst. Superintendent, 1st grade ... Sept. 1, 1877. Lieutenant W. H. Coombs, R.N. 8 Ditto ditto 2nd grade. Navg. Lieut. G. C. Hammond, R.N., F.R.G.S. 4 Ditto ditto 1st grade ...			On leave for one year from 1st July 1877—vide Department of Revenue, Agriculture and Commerce Notification No. 460 (Surveys), dated 3rd August 1877.	

Classified List of the Officers of the Geological Survey of India on the 1st April 1878.

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Duty on which at present engaged	SALARY, INCLUDING ALLOWANCES.				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	H. B. Medlicott, A. M., F. R. S., F. G. S. ... <i>1st Grade, Rs. 700, rising to Rs. 1,000.</i>	Superintendent, Geological Survey ...	Office ...	1,800	0 0	200	0 0	.....	2,000	0 0	
1	W. T. Blanford, A. B. S. M., F. R. S., F. G. S. ...	Senior Depy. Supdt. for Bombay ...	Office ...	1,400	0 0	140	0 0	.....	1,540	0 0	
2	William Theobald ...	Deputy Superintendent for Bengal ...	Sub-Himalaya ...	1,000	0 0	130	0 0	100 0 0	1,230	0 0		
3	William King, Jr., A. B., F. G. S. ...	Ditto for Madras ...	Godaveri District ...	1,000	0 0	130	0 0	100 0 0	1,230	0 0		
4	R. B. Foote, F. G. S. ... <i>2nd Grade, Rs. 500, rising to Rs. 700.</i>	Assistant, Geological Survey ...	Trichinopoly ...	1,000	0 0	130	0 0	.....	1,130	0 0	
1	A. B. Wynne, F. G. S. ...	Assistant, Geological Survey ...	Upper Punjab ...	700	0 0	130	0 0	.....	830	0 0	
2	F. R. Mallet, F. G. S. ...	Ditto ...	Office ...	700	0 0	130 & 150	0 0	.....	980	0 0	Acting Curator.
3	Theo. W. H. Hughes, A. B. S. M., F. G. S. ...	Ditto ...	On furlough ...	700	0 0	130	0 0	.....	830	0 0	
4	V. Ball, A. M., F. G. S. ...	Ditto ...	Palamow Coal Field ...	700	0 0	130	0 0	.....	830	0 0	
5	Vacant.											
1	F. Fedden, A. B. S. M., F. G. S. ... <i>3rd Grade, Rs. 500, rising to Rs. 500.</i>	Assistant, Geological Survey ...	Kattywar ...	500	0 0	130	0 0	.....	630	0 0	Acting in 2nd Grade, vice Mr. Theo. Hughes
2	C. A. Hacket ...	Ditto ...	Rajputana ...	500	0 0	130	0 0	.....	630	0 0	
3	R. Lydekker, A. B. ...	Ditto ...	Himalaya ...	450	0 0	130	0 0	.....	580	0 0	On 3 months' privilege leave.
3	Vacancies ...	Ditto ...										
	<i>Separately Graded.</i>											
	O. Feistmantel, M. D. ...	Palaontologist, Geological Survey ...	Office ...	550	0 0	130	0 0	.....	680	0 0	On 3 months' privilege leave.
	<i>Ungraded Officers.</i>											
	Vacant	Mining Geologist										
	T. H. Turner ...	Assistant Curator ...	Office ...	325	0 0	.....		.....	325	0 0	
	J. Schaumburg ...	Artist ...	Ditto ...	350	0 0	.....		.....	350	0 0	
	W. R. Bion ...	Chief Clerk and Librarian ...	Ditto ...	210	0 0	.....		.....	210	0 0	
	Kissen Singh ...	Apprentice, Geological Survey ...	With Mr. Theobald ...	100	0 0	.....		.....	100	0 0	
	Hira Lal ...	Ditto ...	Office ...	100	0 0	.....		.....	100	0 0	

General List of the Officers of the Geological Survey of India on the 1st April 1878.

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.
1	Wm. Theobald ...		48 11 14	Depty. Supdt. for Bengal ...	1st grade ...	1,100	Nov. —, 1848	Apl. 1, 1876	24 9 27	Sub-Himalaya.	
2	H. B. Medlicott, A. M., F. R. S., F. G. S. ...		48 7 29	Supdt., Geological Survey ...	No grade ...	1,800	Mar. 23, 1854	Ditto ...	23 0 19	Office.	
3	W. T. Blanford, A. B. S. M., F. R. S., F. G. S. ...		45 5 25	Senior Depy. Supdt. for Bombay ...	1st grade ...	1,400	Oct. 1, 1855	Ditto ...	20 0 9	Ditto.	
4	William King, Jr., A. B., F. G. S. ...		44 8 16	Depty. Supdt. for Madras ...	Ditto ...	1,100	Mar. 4, 1857	Apl. 21, 1875	19 9 28	Godaveri District.	
5	R. B. Foote, F. G. S. ...		43 6 9	Asst., Geological Survey ...	1st grade ...	1,000	Sept. 28, 1858	Apl. 1, 1876	18 1 8	Trichinopoly.	
6	F. R. Mallet, F. G. S. ...	Oct. 5, 1868	37 1 19	Ditto ...	2nd grade ...	700	Feb. 12, 1859	May 1, 1872	14 1 19	Office.	
7	F. Fedden, A. B. S. M., F. G. S. ...	Oct. 26, 1869	39 0 10	Ditto ...	3rd grade ...	600	Oct. 1, 1860	May 1, 1866	14 9 10	Kattywar.	
8	C. A. Hacket ...	Oct. 5, 1868	44 8 20	Ditto ...	Ditto ...	600	Nov. 15, 1861	Ditto ...	15 1 16	Rajputana.	
9	T. W. H. Hughes, A. B. S. M., F. G. S. ...	Aug. 3, 1868	34 7 30	Ditto ...	2nd grade ...	700	Nov. 11, 1862	Apl. 21, 1875	10 9 22	On furlough.	
10	A. B. Wynne, F. G. S. ...	Nov. 9, 1868	42 5 17	Ditto ...	Ditto ...	700	Nov. 13, 1862	Mar. 31, 1869	12 8 25	Upper Punjab.	
11	V. Ball, A. M., F. G. S. ...	Oct. 1, 1867	34 8 18	Ditto ...	Ditto ...	700	Oct. 29, 1864	Apl. 1, 1876	12 8 18	Palamow Coal Feld.	
12	R. Lydekker, A. B. ...	Apl. 5, 1875	28 8 7	Ditto ...	3rd grade ...	450	Nov. 26, 1874	Nov. 26, 1874	3 4 5	Himalaya.	On privilege leave.
13	O. Feistmantel, M. D. ...	Oct. 4, 1875	29 4 10	Palaontologist ...	No grade ...	550	Mar. 25, 1875	Mar. 10, 1877	3 0 7	Office	Ditto.
	<i>Non-graded Officers.</i>										
	Vacant			Mining Geologist	No grade.						
1	T. H. Turner ...	Apl. 1, 1867	37 9 6	Asst. Curator ...	Ditto ...	325	Apl. 1, 1869	Apl. 1, 1869	9 0 0	Office.	
2	J. Schaumburg ...		38 8 30	Artist ...	Ditto ...	350	Apl. 12, 1869	Apl. 12, 1869	8 11 19	Ditto.	
3	W. R. Bion ...		25 9 15	Chief Clerk & Librarian ...	Ditto ...	210	Dec. 12, 1870	Dec. 12, 1870	3 0 0	Ditto.	
4	Kissen Singh ...		Not known	Apprentice ...	Ditto ...	100	Jan. 7, 1874	Jan. 7, 1874	...	With Mr. Theobald.	
5	Hira Lal ...		Do.	Ditto ...	Ditto ...	100	Ditto ...	Ditto ...	...	Office.	

Disposition List of the Officers of the Geological Survey of India on the 1st April 1878.

NAMES OF OFFICERS.	Where employed.	No. in General List.	Rank and Grade.	Date of assuming charge.	STRENGTH OF SUBORDINATE ESTABLISHMENT OF ALL GRADES.						Office Establish-ment	Where employed during last three years.	Annual cost (salary and travelling allowance of officers and their subordinates, if any).*			REMARKS.
					1st Grade.	2nd Grade.	3rd Grade.	Non-graded Officers.	Clerks & Drafts-men.	Preserv-ers.			Rs.	A.	P.	
H. B. Medlicott, A. M., F. R. S., F. G. S. <i>1st Grade.</i>	Office	2	Supdt., Geological Survey.	Mar. 24, 1854	4	5	3	5	10	2	1875-76. Sub-Himalaya 1876-77. Office and Satpura 1877-78. Office	Salary and allowance Extra travelling allowance	24,000 0 0 410 11 0	24,410 11 0		
W. T. Blanford, A. B. S. M., F. R. S., F. G. S.	Ditto	3	Senior Depy. Supdt., Bombay.	Oct. 1, 1855							1875-76. Sind 1876-77. Office and Sind 1877-78. Ditto	Salary and allowance Extra travelling do.	18,780 0 0 ...	18,780 0 0		
William Theobald	Sub-Himalaya	1	Dy. Supdt., Bengal	Nov. — 1848							1875-76. Sub-Himalaya 1876-77. Ditto 1877-78. Ditto	Salary and allowance Extra travelling allowance	15,060 0 0 700 14 0	15,760 14 0		
William King, Jr., A. B., F. G. S.	Godaveri District	4	Dy. Supdt., Madras	Mar. 4, 1857	4 first grade officers.							1875-76. Godaveri District 1876-77. Ditto 1877-78. Ditto	Salary and allowance Extra travelling do. Hospital Assistant's pay, &c.	15,060 0 0 1,300 10 0 798 4 0	17,158 14 0	
R. B. Foote, F. G. S. <i>2nd Grade.</i>	Trichinopoly	6	Asst., Geological Survey.	Sept. 28, 1858							1875-76. Nellore District 1876-77. Kistna and Godaveri 1877-78. Godaveri & Trichinopoly	Salary and allowance Extra travelling allowance Hospital Assistant's pay, &c.	13,815 0 0 1,004 11 4 128 2 0	14,947 13 4		
A. B. Wynne, F. G. S.	Upper Punjab	11	Asst., Geological Survey.	Nov. 13, 1862							1875-76. Furlough 1876-77. Rawalpindi 1877-78. Upper Punjab	Salary and allowance Extra travelling do. Hospital Assistant's pay, &c.	10,155 0 0 567 0 0 207 2 3	10,929 2 3		
F. R. Mallet, F. G. S.	Office	7	Ditto	Feb. 12, 1859	5 second grade officers.							1875-76. Assam 1876-77. Office 1877-78. Ditto and Kyook Phyoo	Salary and allowance Extra travelling allowance	11,880 0 0 469 10 3	12,349 10 3	
T. W. H. Hughes, A. B. S. M., F. G. S.	On furlough	10	Ditto	Nov. 11, 1862							1875-76. Godaveri Valley 1876-77. Ditto and Pranhita Valley 1877-78. Ditto and furlough	Salary and allowance Extra travelling do. Hospital Assistant's pay, &c.	5,925 0 0 672 15 0 187 8 0	6,785 7 0		
V. Ball, A. M., F. G. S.	Palamow Coal Field	12	Ditto	Oct. 29, 1864	5 second grade officers.							1875-76. Talehir Coal Field 1876-77. Bastar and Jaypur 1877-78. Palamow Coal Field	Salary and allowance Extra travelling do. Hospital Assistant's pay, &c.	10,185 0 0 1,524 15 0 234 6 6	11,944 5 6	
Vacant. <i>3rd Grade.</i>					3 third grade officers.											
F. Fedden, A. B. S. M., F. G. S.	Kattywar	8	Ditto	Oct. 1, 1860							1875-76. Sind 1876-77. Ditto 1877-78. Kattywar	Salary and allowance Extra travelling allowance	8,610 7 6 1,132 0 6	9,742 8 0		
C. A. Hacket	Rajputana	9	Ditto	Nov. 15, 1861							1875-76. Rajputana 1876-77. Ditto 1877-78. Ditto	Salary and allowance Extra travelling allowance	7,770 0 0 838 14 6	8,608 14 6		
R. Lydekker, A. B. 3 Vacancies	Himalaya	13	Ditto	Nov. 26, 1874							1875-76. Sub-Himalaya 1876-77. Himalaya 1877-78. Ditto	Salary and allowance Extra travelling allowance	7,170 9 4 911 10 0	8,082 3 4	On privilege leave.	
<i>Separately Graded.</i>					5 non-graded officers.											
O. Feistmantel, M. D.	Office	14	Palaeontologist	Mar. 25, 1875							1875-76. Rajmehal Hills and Office 1876-77. Kurhurbali and ditto 1877-78. Office and Satpura	Salary and allowance Extra travelling allowance	7,710 0 0 617 15 0	8,327 15 0	On privilege leave.	
Vacant	Mining Geologist	...												
T. H. Turner	Office	1	Asst. Curator	April 1, 1869							1875-76. Office 1876-77. Ditto 1877-78. Ditto	Salary	...	3,600 0 0		
J. Schaumburg	Ditto	2	Artist	April 12, 1869							1875-76. Ditto 1876-77. Ditto 1877-78. Ditto	Salary	...	3,865 3 0		
W. R. Bion	Ditto	3	Chief Clerk and Librarian.	Dec. 12, 1870							1875-76. Ditto 1876-77. Ditto 1877-78. Ditto	Salary	...	2,470 5 2		
Kissen Singh	With Mr. Theobald	4	Apprentice	Jan. 7, 1874							1875-76. Ditto 1876-77. Sub-Himalaya 1877-78. Ditto	Salary Travelling allowance	1,200 0 0 471 5 9	1,671 5 9		
Hera Lal	Office	5	Ditto	Ditto							1875-76. Office 1876-77. Sind 1877-78. Satpura and Office	Salary Travelling allowance	975 0 0 179 3 8	1,154 3 8		

* The "Annual Cost," as given above, is the cost for twelve months from 1st April 1877 to 31st March 1878. It is to

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

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