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Classified List of the Officers of the Senior Department

of the Survey of India as it stood on the 1st July 1880.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party or Office to which at present attached.
ADMINISTRATIVE STAFF.				
1	1	Maj.-Genl. J. T. Walker, C. D., R. E., F. R. S., P. H. [G. T. S.]	Survr. Genl. of India	...
1	1	Lt.-Col. J. Sconce, s. c., P. H. [Rev.]	Depy. Survr. Genl.	...
1	1	Capt. R. V. Riddell, R. E., P. H. [Topogl.]	Asst. Surveyor General	...
2	2	Mr. J. O. N. James [Topogl.]	Ditto	...
3	3	Major J. Waterhouse, s. c., P. H. [Topogl.]	Ditto	On furlough
		Major S. H. Cowan, s. c., P. H. [Rev.]	Offg. Ditto	...
SENIOR BRANCH.				
DEPUTY SUPERINTENDENTS.				
1ST GRADE.				
4	1	Mr. J. B. N. Hennessey, M. A., F. R. S. [G. T. S.]	Depy. Supdt., 1st grade	In charge Head Quarters Offices, Dehra Dun
	2	Col. F. C. Anderson, s. c., P. H. [Rev.]	Ditto	In charge Banda, &c., Districts [Cadastral] Survey, N. W. P., Naini Tal
	3	Lt.-Col. G. C. Deprce, s. c., P. H. [Topogl.]	Ditto	In charge Rajputana Topographical Survey, Simla
	4	Maj. H. R. Thuillier, R. E., P. H. [G. T. S.]	Ditto	On furlough
2ND GRADE.				
10-8	1	Lt.-Col. C. T. Haig, R. E. [G. T. S.]	Depy. Supdt., 2nd grade	In charge Guzerat Survey, Poona
	2	Col. J. Macdonald, s. c., P. H. [Rev.]	Ditto	In charge North Deccan Survey, Bombay, Poona
	3	Maj. J. Herschel, R. E., F. R. S., P. H. [G. T. S.]	Ditto	On duty, Europe
	4	Maj. R. B. Smart [Rev.]	Ditto	On furlough
	5	Lt.-Col. B. R. Branfill, D. C., P. H. [G. T. S.]	Ditto	In charge Madras Party, Bangalore
	6	Capt. G. Strahan, R. E., P. H. [Topogl.]	Ditto	In charge Mysore Topogl. Survey, Bangalore
	7	Maj. T. T. Carter, R. E., P. H. [G. T. S.]	Ditto	On furlough
	8	Lt.-Col. D. Macdonald, s. c., P. H. [Rev.]	Ditto	In charge Dehra Ismael Khan, &c., Districts Survey, Punjab, Murree
	9	Major F. Coddington, s. c., P. H. [Rev.]	Ditto	Deputy Surveyor General's Office, Calcutta
	10	Lt.-Col. W. M. Campbell, R. E., Passed [G. T. S.]	Ditto	In charge No. 2 Astronomical Party
3RD GRADE.				
12-10	1	Capt. R. V. Riddell, R. E., P. H. [Topogl.]	Deputy Supdt., 3rd grade	Head Quarters, Calcutta
	2	C. Strahan, R. E. [Topogl.]	Ditto	On furlough
	3	Mr. J. O. N. James [Topogl.]	Ditto	Head Quarters, Calcutta
	4	Major W. Barron, s. c., P. H. [Rev.]	Ditto	In charge Ghazipur District [Cadastral] Survey, N. W. P., Naini Tal
	5	Lt.-Col. H. C. B. Tanner, Bombay s. c., P. H. [Rev.]	Ditto	On special duty, Gilgit
	6	Mr. E. T. S. Johnson [Rev.]	Ditto	In charge Jaunpur District [Cadastral] Survey, N. W. P.
	7	Capt. W. J. Heavside, R. E., P. H. [G. T. S.]	Ditto	In charge Khandesh and Bombay Native States Topogl. Survey and No. 1 Astronomical Party, Poona
	8	Major A. Pullan, s. c., P. H. [G. T. S.]	Ditto	In charge Kattywar and Cutch Survey, Poona
	9	D. C. Andrew, s. c., P. H. [Rev.]	Ditto	In charge Bassein District [Cadastral] Survey, British Burma, Bassein
	10	W. H. Wilkins, s. c., P. H. [Rev.]	Ditto	In charge Meerut, &c., Districts Survey, N. W. P., Mussoorie
	11	Capt. J. E. Sandeman, s. c., P. H. [Rev.]	Ditto	In charge Hanthawaddy Dist. [Cadastral] Survey, British Burma

No. existing in each grade.	Consolidated Salary.	REMARKS.
	Rs. A. P.	
1	3,000 0 0	
1	2,200 0 0	
1	1,440 0 0	Also receives Rs. 200 special local allowance. Superintendent, Mathematical Instrument Department, and in charge Lithographic Branch, Head Quarters, Calcutta.
2	1,300 0 0	Also receives Rs. 200 special local allowance. Officiating Deputy Superintendent, 2nd grade. In charge Engraving and Cartographic Branches, Head Quarters, Calcutta.
3	750 0 0	For 1 year and 91 days, from 12th December 1879. Also receives Rs. 100 Presidency allowance. In charge Photographic Branch, Head Quarters, Calcutta.
1	1,600 0 0	
2	1,627 14 0	Inclusive of Rs. 27-14-0 personal allowance.
3	1,600 0 0	
4	.....	For 2 years, from 17th November 1879.
1	1,600 0 0	Officiating Deputy Superintendent, 1st grade.
2	1,327 14 0	Inclusive of Rs. 27-14-0 personal allowance. Also receives Rs. 15 local allowance.
3	.....
4	.....	For 2 years, from 10th January 1880.
5	1,300 0 0	
6	1,440 0 0	
7	.....	For 2 years and 49 days, from 1st December 1879.
8	1,300 0 0	
9	1,300 0 0	Also receives Rs. 60 Presidency allowance.
10	1,482 10 0	
1	1,440 0 0	Offg. Deputy Superintendent, 2nd grade; Assistant Surveyor General. Also receives Rs. 200 special local allowance.
2	.....	For 273 days, from 14th March 1880.
3	1,300 0 0	Offg. Deputy Superintendent, 2nd grade; Assistant Surveyor General. Also receives Rs. 200 special local allowance.
4	1,000 0 0	
5	1,000 0 0	
6	1,000 0 0	
7	1,140 0 0	
8	1,000 0 0	
9	1,000 0 0	Also receives Rs. 125 Burma allowance.
10	1,000 0 0	
11	1,000 0 0	Also receives Rs. 125 Burma allowance.

Classified List of the Officers of the Senior Department of the

Survey of India as it stood on the 1st July 1880—concluded.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party or Office to which at present attached.
SENIOR BRANCH—contd.				
ASSISTANT SUPERINTENDENTS.				
1ST GRADE.				
11	...			
1	...	Major W. F. Badgley, s. c., P. H. [Topogl.]	Asst. Supdt., 1st grade	In charge Khasi and Garo Hills Topogl. Survey, Shillong ...
2	...	Capt. T. H. Holdich, R. E., L. S. [Topogl.]	Ditto	On Field Service ...
3	...	Mr. J. Campbell ... [Rev.]	Ditto	In temporary charge Khorda Estate [Cadastral] Survey, Orissa ...
4	...	Major J. Waterhouse, s. c., P. H. [Topogl.]	Ditto	On furlough ...
5	...	Capt. M. W. Rogers, R. E., L. S. [G. T. S.]	Ditto	Ditto ...
6	...	" J. Hill, R. E. ... [G. T. S.]	Ditto	In charge Eastern Frontier Series, Moulmein ...
7	...	" H. Lees Smith, s. c., M. A., LL. B., P. H. ... [Rev.]	Ditto	Dehra Ismael Khan, &c., Dists. Survey, Punjab, Murree ...
8	...	Mr. H. Horst ... [Topogl.]	Ditto	On furlough ...
9	...	" W. H. Cole, M. A., H. S. ... [G. T. S.]	Ditto	Head Quarters Offices, Dehra Dun ...
10	...	" H. B. Talbot, L. S. ... [Rev.]	Ditto	On duty Office of Deputy Surveyor General, Calcutta
11	...	Capt. A. W. Baird, R. E., P. H. [G. T. S.]	Ditto	In charge Tidal and Levelling Operations, India and Burma, Poona ...
2ND GRADE.				
11	...			
1	...	Capt. J. R. McCullagh, R. E., L. S. [G. T. S.]	Asst. Supdt., 2nd grade	Mysore Topogl. Survey, Bangalore ...
2	...	Major J. R. Wilmer, s. c., H. S. [Topogl.]	Ditto	In charge Bhopal and Malwa Topogl. Survey, Mussoorie ...
3	...	Mr. J. McGill ... [G. T. S.]	Ditto	Attached to Kattywar and Cutch Survey, Poona ...
4	...	Major S. H. Cowan, s. c., P. H. [Rev.]	Ditto	Offg. in charge, Photographic Branch, Head Quarters, Calcutta ...
5	...	" E. H. Steel, s. c., H. S. ... [Rev.]	Ditto	In charge Gwalior and Central India Topogl. Survey, Mussoorie ...
6	...	" H. S. Hutchinson, s. c., P. H. [Rev.]	Ditto	Offg. in charge South Deccan [Topogl.] Survey, Bombay, Poona ...
7	...	Mr. E. C. Barrett, H. S. ... [Rev.]	Ditto	Bassein Dist. [Cadastral] Survey, British Burma, Bassein ...
8	...	Major R. Beavan, s. c., P. H. ... [Rev.]	Ditto	On Field Service ...
9	...	" R. G. Woodthorpe, R. E., L. S. [Topogl.]	Ditto	Ditto ...
10	...	Mr. E. F. Jackson, L. S. ... [Rev.]	Ditto	On furlough ...
11	...	Maj. E. P. Leach, v. c., R. E., L. S. [Topogl.]	Ditto	On Field Service ...
3RD GRADE.				
12—C	...			
1	...	Mr. W. G. Beverley ... [G. T. S.]	Asst. Supdt., 3rd grade	Tidal and Levelling Operations, India and Burma, Poona ...
2	...	" G. H. Cooke, L. S. ... [Rev.]	Ditto	On furlough ...
3	...	Lieut. H. J. Harman, R. E., L. S. [G. T. S.]	Ditto	In charge Special Survey Operations in and around Darjeeling ...
4	...	Capt. G. W. Martin, s. c., H. S. ... [Rev.]	Ditto	On Field Service ...
5	...	" A. J. C. Scott, s. c., H. S. ... [Rev.]	Ditto	On furlough ...
6	...	Lieut. St. G. C. Gore, R. E. ... [G. T. S.]	Ditto	On Field Service ...
7	...	Mr. E. C. Ryall ... [G. T. S.]	Ditto	Meerut, &c., Dists. Survey, N. W. P., Mussoorie ...
8	...	Lieut. J. R. Hobday, s. c., H. S. [Topogl.]	Ditto	On furlough ...
9	...	" the Hon'ble M. G. Talbot, R. E., H. S. [Topogl.]	Supernumerary	On Field Service ...
10	...	" F. B. Longe, R. E. ... [Topogl.]	Ditto	Ditto ...

No. existing in each grade.	Consolidated Salary.	REMARKS.
	Rs. A. P.	
1	1,000 0 0	Officiating Deputy Superintendent, 3rd grade. Also receives Rs. 75 Assam allowance.
2	1,140 0 0	Ditto ditto.
3	750 0 0	Also receives Rs. 100 charge allowance.
4	.....	On private affairs for 1 year and 91 days, from 12th December 1879.
5	.....	For 1 year and 4 days, from 1st May 1880.
6	1,140 0 0	Officiating Deputy Superintendent, 3rd grade.
7	750 0 0	
8	.....	For 2 years, from 5th June 1879.
9	750 0 0	
10	750 0 0	Also receives Rs. 100 Presidency allowance.
11	890 0 0	Ditto Rs. 100 charge ditto, and Rs. 100 deputation allowance.
1	890 0 0	Officiating Assistant Superintendent, 1st grade.
2	750 0 0	Ditto ditto. Also receives Rs. 100 charge allowance.
3	750 0 0	Ditto ditto.
4	750 0 0	Ditto ditto. Also receives Rs. 100 Presidency allowance.
5	750 0 0	Ditto ditto. Ditto Rs. 100 charge ditto.
6	750 0 0	Ditto ditto. Ditto Rs. 100 ditto, and Rs. 15 local allowance.
7	600 0 0	Also receives Rs. 125 Burma allowance.
8	624 1 6	Inclusive of Rs. 24-1-6 personal allowances.
9	740 0 0	
10	.....	For 1 year 7 months and 16 days, from 1st May 1880.
11	740 0 0	
1	600 0 0	Officiating Assistant Superintendent, 2nd grade.
2	.....	For 1 year, from 22nd May 1880.
3	670 0 0	Officiating Assistant Superintendent, 2nd grade. Also receives Rs. 100 charge allowance, and Rs. 30 local allowance.
4	600 0 0	Ditto ditto.
5	.....	On medical certificate for 2 years, from 21st April 1879.
6	670 0 0	Officiating Assistant Superintendent, 2nd grade.
7	600 0 0	Ditto ditto.
8	.....	On medical certificate for 1 year, from 1st December 1879.
9	570 0 0	Temporarily attached.
10	570 0 0	Ditto.

Classified List of the Officers of the Junior or Subordinate

Department of the Survey of India as it stood on the 1st July 1880.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party or Office to which at present attached.
JUNIOR BRANCH.				
SURVEYORS.				
1ST GRADE.				
<i>Salary Rs. 500.</i>				
9-8	1	Mr. H. Duhan ... [G. T. S.]	Surveyor, 1st grade	Correspondence Office ...
	2	" N. A. Bellotly, L. s. ... [Topogl.]	Ditto	On duty at Head Quarters, Calcutta ...
	3	" W. H. Patterson, L. s. ... [Rev.]	Ditto	Detached under Settlement Officer, Cachar District, Assam ...
	4	" J. F. Baness ... [Topogl.]	Ditto	Chief Draftsman, Head Quarters, Calcutta ...
	5	" A. Chamarett ... [Topogl.]	Ditto	Geographical Examiner, Head Quarters, Calcutta ...
	6	" J. Peyton ... [G. T. S.]	Ditto	On duty, Head Quarters Office, Calcutta ...
	7	" A. D'Souza ... [G. T. S.]	Ditto	Guzerat Survey, Poona ...
	8	" F. W. Kelly, H. s. ... [Rev.]	Ditto	On duty, Office of Deputy Surveyor General, Calcutta ...
	8	" C. W. Campbell ... [Rev.]	Ditto	Banda, &c., Districts (Cadastral) Survey, N. W. P.
2ND GRADE.				
<i>Salary Rs. 400.</i>				
12-10	1	Mr. G. A. McGill, L. s. ... [Topogl.]	Surveyor, 2nd grade	Rajputana Topogl. Survey ...
	2	" D. Atkinson ... [Topogl.]	Ditto	Bhopal and Malwa Topogl. Survey ...
	3	" C. J. Neville ... [G. T. S.]	Ditto	On half-pay
	4	" F. Grant ... [Rev.]	Ditto	Hanthawaddy District [Cadastral] Survey, British Burma ...
	5	" L. H. Clarke ... [G. T. S.]	Ditto	On duty at Head Quarters, Dehra Dun ...
	6	" W. Todd ... [G. T. S.]	Ditto	Ditto ditto ...
	7	" R. W. Chew ... [Topogl.]	Ditto	Mysore Topogl. Survey ...
	8	" J. Low ... [G. T. S.]	Ditto	Eastern Frontier Series, Moulmein ...
	8	" W. Sinclair ... [Rev.]	Ditto	Extra Draftsman, Office of Deputy Surveyor General, Calcutta ...
	9	" C. Wood, L. s. ... [G. T. S.]	Ditto	Computing Office, Head Quarters, Dehra Dun ...
	10	" H. E. T. Keelan ... [G. T. S.]	Ditto	On duty at Head Quarters, Calcutta ...
	11	" P. A. G. Cowley, L. s. ... [Rev.]	Ditto	Jaunpur District [Cadastral] Survey, N. W. P. ...
	12	" A. J. Wilson, L. s. ... [Topogl.]	Ditto	On duty at Head Quarters, Calcutta ...
3RD GRADE.				
<i>Salary Rs. 350.</i>				
16-14	1	Mr. F. Bell, L. s. ... [G. T. S.]	Surveyor, 3rd grade	On half-pay
	2	" G. Atkinson ... [G. T. S.]	Ditto	Drawing Office, Head Quarters, Dehra Dun ...
	3	" J. A. May ... [Topogl.]	Ditto	On duty, Office of Deputy Surveyor General, Calcutta ...
	4	" A. D. Smart ... [Rev.]	Ditto	On half-pay
	5	" James Todd ... [Rev.]	Ditto	Meerut, &c., Dists. Survey, N. W. P. ...
	6	" S. M. Smylie, L. s. ... [Rev.]	Ditto	South Deccan Survey, Bombay ...
	7	" F. Adams ... [Topogl.]	Ditto	On duty at Head Quarters, Calcutta ...
	8	" J. S. Pemberton, L. s. ... [Rev.]	Ditto	Jaunpur Dist. [Cadastral] Survey, N. W. P. ...
	9	" R. D. Farrell ... [Topogl.]	Ditto	On duty at Head Quarters, Calcutta ...
	10	" H. R. Littlewood ... [Rev.]	Ditto	Bassein District [Cadastral] Survey, British Burma ...
	11	" W. A. Wilson, L. s. ... [Rev.]	Ditto	Ghazipur District [Cadastral] Survey, N. W. P. ...
	12	" G. B. Scott, H. s. ... [Rev.]	Ditto	Dehra Ismael Khan, &c., Districts Survey, Punjab ...
	13	" A. M. Lawson, L. s. ... [Rev.]	Ditto	North Deccan Topogl. Survey, Bombay ...
	14	" W. S. Buttress ... [Rev.]	Ditto	Dehra Ismael Khan, &c., Dists. Survey, Punjab ...
	15	" T. W. Reilly ... [Rev.]	Ditto	On duty, Office of Deputy Surveyor General, Calcutta ...

No. existing in each grade.	Consolidated Salary.	REMARKS.
	Rs. A. P.	
1	650 0 0	Personal Assistant to the Surveyor General of India. Inclusive of Rs. 150 personal allowance.
2	500 0 0	Also receives Rs. 45 Presidency house rent.
3	500 0 0	Ditto Rs. 50 Assam allowance.
4	600 0 0	
5	500 0 0	Also receives Rs. 45 Presidency house rent.
6	500 0 0	Ditto Rs. 45 ditto.
7	500 0 0	
8	500 0 0	
1	400 0 0	
2	400 0 0	
3	200 0 0	On half-pay list, from 3rd November 1879.
4	400 0 0	Also receives Rs. 100 Burma allowance.
5	400 0 0	Doing duty as Solar Photographer.
6	400 0 0	
7	400 0 0	
8	400 0 0	Also receives Rs. 100 Burma allowance.
9	400 0 0	Ditto Rs. 30 Presidency house rent.
10	400 0 0	
11	400 0 0	Also receives Rs. 30 ditto.
12	400 0 0	Ditto Rs. 30 ditto.
1	175 0 0	On half-pay list, from 1st November 1879.
2	350 0 0	
3	350 0 0	Also receives Rs. 30 Presidency house rent.
4	175 0 0	On half-pay list, from 1st January 1880.
5	350 0 0	
6	350 0 0	Also receives Rs. 15 local allowance.
7	350 0 0	Ditto Rs. 30 Presidency house rent.
8	350 0 0	
9	350 0 0	Also receives Rs. 30 Presidency house rent.
10	350 0 0	Ditto Rs. 100 Burma allowance.
11	350 0 0	
12	350 0 0	Also receives Rs. 100 personal allowance.
13	350 0 0	Ditto Rs. 15 local allowance.
14	350 0 0	
15	350 0 0	Also receives Rs. 30 Presidency house rent.

Classified List of the Officers of the Junior or Subordinate Department

of the Survey of India as it stood on the 1st July 1880—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party or Office to which at present attached.
JUNIOR BRANCH—contd.				
SURVEYORS—concl'd.				
4TH GRADE.				
<i>Salary Rs. 300.</i>				
22-18	1	Mr. E. S. P. Atkinson ... [Topogl.]	Surveyor, 4th grade	Rajputana Topogl. Survey ...
	2	„ W. R. Vyall ... [Rev.]	Ditto	Khorda Estate [Cadastral] Survey, Orissa ...
	3	„ A. J. Gibson ... [Rev.]	Ditto	Dehra Ismael Khan, &c., Districts Survey, Punjab
	4	„ M. J. Ogle ... [Topogl.]	Ditto	On Field Service ...
	5	„ A. G. Wyatt ... [Topogl.]	Ditto	Khandesh and Bombay Native States Topogl. Survey ...
	6	„ H. Psychers ... [G. T. S.]	Ditto	Computing Office, Head Quarters, Dehra Dun ...
	7	„ G. Belcham, H. s. ... [G. T. S.]	Ditto	Tidal and Levelling Operations, India and Burma, Poona ...
	8	„ H. Dowman ... [Rev.]	Ditto	Hanthawaddy District [Cadastral] Survey, British Burma ...
	9	„ E. Little ... [Rev.]	Ditto	Banda, &c., Districts [Cadastral] Survey, N. W. P. ...
	10	„ H. T. Hanby, L. s. ... [Rev.]	Ditto	Ghazipur District [Cadastral] Survey, N. W. P. ...
	11	„ L. J. Pocock, H. s. ... [G. T. S.]	Ditto	Mysore Topogl. Survey ...
	12	„ A. Christie, H. s. ... [G. T. S.]	Ditto	Guzerat Survey, Poona ...
	13	„ W. O'Sullivan ... [G. T. S.]	Ditto	Darjeeling Survey ...
	14	„ N. C. Gwynne ... [G. T. S.]	Ditto	Kattywar and Cutch Survey, Poona ...
	15	„ W. C. Price ... [G. T. S.]	Ditto	Bombay Party ...
	16	„ C. H. McA. Fee, L. s. ... [G. T. S.]	Ditto	Guzerat Survey, Poona ...
	17	„ C. F. Hamer ... [Topogl.]	Ditto	Bhopal and Malwa Topogl. Survey ...
	18	„ C. A. R. Scanlan ... [Topogl.]	Ditto	Hanthawaddy District [Cadastral] Survey, British Burma ...
	19	„ J. H. O'Donel ... [Rev.]	Ditto	Jaunpur District [Cadastral] Survey, N. W. P. ...
	20	„ A. W. Chennell ... [Topogl.]	Ditto	Khasi and Garo Hills, Topogl. Survey ...
	21	„ T. E. M. Claudius ... [Topogl.]	Ditto	On Field Service ...
ASSISTANT SURVEYORS.				
1ST GRADE.				
<i>Salary Rs. 250.</i>				
23-20	1	Mr. P. Ford, L. s. ... [Rev.]	Asst. Surveyor, 1st grade	Bassein District [Cadastral] Survey, British Burma
	2	„ A. J. James ... [Topogl.]	Ditto	Mysore Topogl. Survey ...
	3	„ T. H. Rendell ... [G. T. S.]	Ditto	Tidal and Levelling Operations, India and Burma, Poona ...
	4	„ R. Todd ... [Topogl.]	Ditto	Dehra Ismael Khan, &c., Districts Survey, Punjab...
	5	„ C. Tapsell, L. s. ... [Topogl.]	Ditto	Guzerat Survey, Poona ...
	6	„ D. A. King ... [Rev.]	Ditto	Hanthawaddy District [Cadastral] Survey, British Burma ...
	7	„ R. B. Smart, Jr., L. s. ... [Rev.]	Ditto	Banda, &c., Districts [Cadastral] Survey, N. W. P. ...
	8	„ F. Kitchen ... [Topogl.]	Ditto	Mysore Topogl. Survey ...
	9	„ W. Stotesbury, H. s. L. s. Canarese	Ditto	Ditto ditto ...
	10	„ Hugh Todd ... [G. T. S.]	Ditto	Ditto ditto ...
	11	„ E. J. Connor, L. s. ... [G. T. S.]	Ditto	Tidal and Levelling Operations, India and Burma, Poona.

No. existing in each grade.	Consolidated Salary.	REMARKS.
	Rs. A. P.	
1	300 0 0	
2	300 0 0	
3	300 0 0	
4	300 0 0	Also receives Rs. 50 Afghanistan allowance.
5	300 0 0	
6	300 0 0	
7	300 0 0	
8	300 0 0	Also receives Rs. 100 Burma allowance.
9	300 0 0	
10	300 0 0	
11	300 0 0	
12	300 0 0	
13	300 0 0	Also receives Rs. 36 local allowance.
14	300 0 0	
15	300 0 0	
16	300 0 0	
17	300 0 0	
18	300 0 0	Also receives Rs. 100 Burma allowance.
19	300 0 0	
20	300 0 0	Also receives Rs. 40 Assam allowance.
21	300 0 0	Ditto Rs. 50 Afghanistan allowance.
1	250 0 0	Also receives Rs. 100 Burma allowance.
2	250 0 0	
3	250 0 0	Also receives Rs. 50 deputation allowance.
4	250 0 0	
5	250 0 0	
6	250 0 0	Also receives Rs. 100 Burma allowance.
7	250 0 0	
8	250 0 0	
9	250 0 0	
10	250 0 0	
11	250 0 0	

Classified List of the Officers of the Junior or Subordinate Department

of the Survey of India as it stood on the 1st July 1880—continued.

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party or Office to which at present attached.
JUNIOR BRANCH—contd.				
ASSISTANT SURVEYORS—contd.				
1st GRADE—concl'd.				
<i>Salary Rs. 250—concl'd.</i>				
		<i>Mr. J. Connor</i> ... [Rev.]	Asst. Surveyor, 1st grade ...	Draftsman, Office of Deputy Surveyor General, Calcutta
12		„ <i>T. H. Dunne, L. s.</i> ... [Rev.]	Ditto ...	Khorda Estate [Cadastral] Survey, Orissa
		„ <i>W. J. Lane</i> ... [Rev.]	Ditto ...	Extra Draftsman, Office of Deputy Surveyor General, Calcutta
13		„ <i>J. Bond</i> ... [G. T. S.]	Ditto ...	Guzerat Survey, Poona
14		„ <i>C. D. Potter, L. s.</i> ... [G. T. S.]	Ditto ...	Madras Party, Bangalore
15		„ <i>T. Kinney, L. s.</i> ... [G. T. S.]	Ditto ...	<i>On half-pay</i> ...
16		„ <i>J. Newland, L. s.</i> ... [Rev.]	Ditto ...	North Deccan Survey, Bombay
17		„ <i>J. A. Barker</i> ... [Topogl.]	Ditto ...	Khandesh and Bombay Native States Topogl. Survey
18		„ <i>E. A. Wainright</i> ... [Topogl.]	Ditto ...	Bhopal and Malwa Topogl. Survey
19		„ <i>R. C. D. Ewing, H. s.</i> ... [Rev.]	Ditto ...	Meerut, &c., Dists. Survey, N. W. P.
20		„ <i>W. J. Cornelius, L. s.</i> ... [Topogl.]	Ditto ...	Gwalior and Central India Topogl. Survey
21		„ <i>W. W. McNair, L. s.</i> ... [Topogl.]	Ditto ...	On Field Service
22		„ <i>J. T. U. Coxen</i> ... [Rev.]	Ditto ...	Ditto
23		„ <i>G. W. Jarbo, L. s.</i> ... [Rev.]	Ditto ...	Khorda Estate [Cadastral] Survey, Orissa
2ND GRADE.				
<i>Salary Rs. 200.</i>				
25—21	1	<i>Mr. W. F. Pettigrew</i> ... [Topogl.]	Asst. Surveyor, 2nd grade ...	<i>On half-pay</i> ...
	2	„ <i>P. J. W. Doran, L. s.</i> ... [Topogl.]	Ditto ...	Gwalior and Central India Topogl. Survey
	3	„ <i>J. R. Scott, L. s.</i> ... [Rev.]	Ditto ...	Khorda Estate [Cadastral] Survey, Orissa
	4	„ <i>J. McHatton, L. s.</i> ... [Rev.]	Ditto ...	Hanthawaddy Dist. [Cadastral] Survey, British Burma
	5	„ <i>H. T. Kitchen</i> ... [Topogl.]	Ditto ...	Bhopal and Malwa Topogl. Survey
	6	„ <i>A. Cooper</i> ... [Topogl.]	Ditto ...	<i>On half-pay</i> ...
	7	„ <i>J. H. Wilson, L. s.</i> ... [Topogl.]	Ditto ...	Rajputana Topogl. Survey
	8	„ <i>J. Hickie, L. s.</i> ... [G. T. S.]	Ditto ...	South Deccan Survey, Bombay
	9	„ <i>W. Fielding, L. s.</i> ... [G. T. S.]	Ditto ...	Kattywar and Catch Survey, Poona
	10	„ <i>S. O. Madras</i> ... [Rev.]	Ditto ...	Ghazipur Dist. [Cadastral] Survey, N. W. P.
	11	„ <i>G. D. Cusson, L. s.</i> ... [G. T. S.]	Ditto ...	On furlough ...
	12	„ <i>T. F. Freeman, L. s.</i> ... [Rev.]	Ditto ...	Ditto
	13	„ <i>G. C. Swiney</i> ... [Rev.]	Ditto ...	South Deccan Survey, Bombay
	14	„ <i>W. H. Lilley</i> ... [Topogl.]	Ditto ...	Bhopal and Malwa Topogl. Survey
	15	„ <i>J. S. Swiney</i> ... [Rev.]	Ditto ...	Jaunpur Dist. [Cadastral] Survey, N. W. P.
	16	„ <i>C. P. Torrens</i> ... [G. T. S.]	Ditto ...	Bombay Party
	17	„ <i>W. Robert</i> ... [Topogl.]	Ditto ...	Darjeeling Survey
	18	„ <i>T. Shaw, L. s.</i> ... [Rev.]	Ditto ...	Detached on Boundary Survey, Cachar District, Assam
	19	„ <i>W. H. Penrose, L. s.</i> ... [Rev.]	Ditto ...	South Deccan Survey, Bombay
	20	„ <i>C. W. Wilson, L. s.</i> ... [Rev.]	Ditto ...	Meerut, &c., Dists. Survey, N. W. P.
	21	„ <i>W. D. Corbett</i> ... [Rev.]	Ditto ...	Ghazipur Dist. [Cadastral] Survey, N. W. P.
	22	„ <i>F. E. Warde</i> ... [Topogl.]	Ditto ...	Khandesh & Bombay Native States Topogl. Survey
	23	„ <i>E. J. Martin</i> ... [Rev.]	Ditto ...	Jaunpur Dist. [Cadastral] Survey, N. W. P.
	24	„ <i>C. W. F. Seyers</i> ... [Rev.]	Ditto ...	Meerut, &c., Dists. Survey, N. W. P.

No. existing in each grade.	Consolidated Salary.	REMARKS.
	Rs. A. P.	
12	325 0 0	
	250 0 0	
13	300 0 0	
	250 0 0	
14	250 0 0	
15	125 0 0	<i>On half-pay list, from 7th December 1879.</i>
16	250 0 0	Also receives Rs. 15 local allowance.
17	250 0 0	
18	250 0 0	
19	250 0 0	
20	250 0 0	
21	250 0 0	Also receives Rs. 50 Afghanistan allowance.
22	250 0 0	Ditto ditto.
23	250 0 0	
1	100 0 0	<i>On half-pay list, from 6th October 1879.</i>
2	200 0 0	
3	200 0 0	
4	200 0 0	Also receives Rs. 100 Burma allowance.
5	200 0 0	
6	100 0 0	<i>On half-pay list, from 6th October 1879.</i>
7	200 0 0	
8	200 0 0	Also receives Rs. 12 local allowance.
9	200 0 0	
10	200 0 0	
11	.....	For one year, from 1st November 1879.
12	.....	For one year, from 1st May 1880.
13	200 0 0	Also receives Rs. 12 local allowance.
14	200 0 0	
15	200 0 0	
16	200 0 0	
17	200 0 0	Also receives Rs. 24 local allowance.
18	200 0 0	Also receives Rs. 40 Assam allowance.
19	200 0 0	Ditto Rs. 12 local allowance.
20	200 0 0	
21	200 0 0	
22	200 0 0	
23	200 0 0	
24	200 0 0	

No. sanctioned.	No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party or Office to which at present attached.
JUNIOR BRANCH—contd.				
ASSISTANT SURVEYORS—contd.				
3RD GRADE.				
<i>Salary Rs. 160.</i>				
27—22		1 Mr. A. Bryson, H. S. ... [G. T. S.]	Asst. Surveyor, 3rd grade...	<i>On half-pay</i>
		2 „ C. T. Templeton ... [Topogl.]	Ditto ...	Gwalior and Central India Topogl. Survey ...
		3 „ J. McCay ... [Topogl.]	Ditto ...	Khasi and Garo Hills Topogl. Survey ...
		4 „ G. E. Parker ... [Rev.]	Ditto ...	Hanthawaddy Dist. [Cadastr.] Surv., British Burma
		5 „ G. Campbell ... [Rev.]	Ditto ...	Bassein ditto ditto ...
		6 „ W. C. G. Barclay ... [Topogl.]	Ditto ...	Rajputana Topogl. Survey ...
		7 „ W. Oldham, L. S. (Canarese) [G. T. S.]	Ditto ...	On furlough
		8 „ J. O. Hughes ... [G. T. S.]	Ditto ...	Eastern Frontier Series, Moulmein ...
		9 „ G. T. Hall, L. S. ... [G. T. S.]	Ditto ...	Kattywar and Cutch Survey, Poona ...
		10 „ G. Vander Beck, L. S. ... [Topogl.]	Ditto ...	Khandesh and Bombay Native States Topogl. Survey
		11 „ J. Murphy ... [Rev.]	Ditto ...	Hanthawaddy Dist. [Cadastral] Survey, British Burma
		12 „ C. W. J. Ford ... [Rev.]	Ditto ...	Bassein Dist. [Cadastral] Survey, British Burma...
		13 „ A. W. Smart ... [Rev.]	Ditto ...	Khasi and Garo Hills Topogl. Survey ...
		14 „ W. M. Kelly ... [Rev.]	Ditto ...	North Deccan Survey, Bombay ...
		15 „ A. Kitchen ... [Topogl.]	Ditto ...	Gwalior and Central India Topogl. Survey ...
		16 „ P. White ... [Topogl.]	Ditto ...	<i>On half-pay</i>
		17 „ B. M. Wilson ... [Rev.]	Ditto ...	Hanthawaddy Dist. [Cadastral] Survey, British Burma
		18 „ E. P. S. Hill ... [Rev.]	Ditto ...	Banda, &c., Districts [Cadastr.] Survey, N. W. P.
		19 „ R. A. Gibson ... [Topogl.]	Ditto ...	Map Curator, Head Quarters, Calcutta ...
		„ E. H. S. Gaspey ... [Rev.]	Ditto ...	Jaunpur District [Cadastr.] Survey, N. W. P. ...
		20 „ R. R. Dickinson, L. S. ... [Rev.]	Ditto ...	North Deccan Survey, Bombay ...
		21 „ J. F. Macarthy, L. S. ... [G. T. S.]	Ditto ...	Eastern Frontier Series, Moulmein ...
		22 „ E. Graham, L. S. ... [Topogl.]	Ditto ...	Khandesh and Bombay Native States Topogl. Survey
		23 „ H. Corkery, L. S. ... [G. T. S.]	Ditto ...	On Field Service
		24 „ G. L. Fleming ... [Topogl.]	Ditto ...	Mysore Topogl. Survey ...
		25 „ G. R. Copping ... [Topogl.]	Ditto ...	Bhopal and Malwa Topogl. Survey ...
		26 „ G. A. Knight ... [Topogl.]	Ditto ...	South Deccan Survey, Bombay ...
		27 „ D. J. Collias ... [G. T. S.]	Ditto ...	Darjeeling Survey
4TH GRADE.				
<i>Salary Rs. 120.</i>				
29—22		1 Mr. E. B. M. Drew ... [Rev.]	Asst. Surveyor, 4th grade...	<i>On half-pay</i>
		2 „ P. A. Peters, L. S. ... [Rev.]	Ditto ...	Dehra Ismael Khan, &c., Dists. Survey, Panjab ...

No. existing in each grade.	Consolidated Salary.	REMARKS.
	Rs. A. P.	
1	80 0 0	<i>On half-pay list, from 1st May 1880.</i>
2	160 0 0	
3	160 0 0	Also receives Rs. 40 Assam allowance.
4	160 0 0	Ditto Rs. 100 Burma allowance.
5	160 0 0	Ditto Rs. 100 ditto.
6	160 0 0	
7	.....	Private affairs from 16th July 1879.
8	160 0 0	
9	160 0 0	
10	160 0 0	
11	160 0 0	Also receives Rs. 100 Burma allowance.
12	160 0 0	Ditto Rs. 100 ditto.
13	160 0 0	Ditto Rs. 40 Assam allowance.
14	160 0 0	Ditto Rs. 9-9-7 local allowance.
15	160 0 0	
16	80 0 0	<i>On half-pay list, from 18th August 1879.</i>
17	160 0 0	Also receives Rs. 100 Burma allowance.
18	160 0 0	
19	200 0 0	
20	160 0 0	Also receives Rs. 9-9-7 local allowance.
21	160 0 0	Ditto Rs. 40 Burma allowance.
22	160 0 0	
23	160 0 0	Also receives Rs. 50 Afghanistan allowance
24	160 0 0	
25	160 0 0	
26	160 0 0	Also receives Rs. 9-9-7 local allowance.
27	160 0 0	Ditto Rs. 21-9-6 local allowance.
1	60 0 0	<i>On half-pay list, from 8th November 1879.</i>
2	120 0 0	

Classified List of Officers of the Junior or Subordinate Department

No. sanctioned. No. existing in each grade.	Names of Officers and Branch to which originally posted.	Substantive Appointment.	Survey Party or Office to which at present attached.
JUNIOR BRANCH—concl'd. ASSISTANT SURVEYORS—concl'd. 4TH GRADE—concl'd. Salary Rs. 120—concl'd.			
3	Mr. P. F. Prunty ... [G. T. S.]	Assistant Surveyor, 4th grade	Kattywar and Cutch Survey, Poona ...
4	„ J. Keating ... [G. T. S.]	Ditto ...	Ditto ditto ...
5	„ C. S. Kraal, L. s. ... [Rev.]	Ditto ...	Jaunpur District [Cadastral] Survey, N. W. P. ...
6	„ S. F. Norman ... [G. T. S.]	Ditto ...	Guzerat Survey, Poona ...
7	„ C. Norman, L. s. ... [G. T. S.]	Ditto ...	Ditto ditto ...
8	„ D. Campbell ... [Topogl.]	Ditto ...	Khasi and Garo Hills Topogl. Survey ...
9	„ T. J. Campbell, L. s. ... [Rev.]	Ditto ...	Detached under Settlement Officer, Cachar Dis- trict, Assam ...
10	„ R. F. Warwick, L. s. ... [G. T. S.]	Ditto ...	Mysore Topographical Survey ...
11	„ L. F. Berkeley, L. s. ... [Rev.]	Ditto ...	Ghazipur District [Cadastl.] Survey, N. W. P. ...
12	„ J. M. Kennedy ... [G. T. S.]	Ditto ...	Mysore Topogl. Survey ...
13	„ G. P. Tate ... [Topogl.]	Proby. Assistant Surveyor ...	Gwalior and Central India Topogl. Survey ...
14	„ P. C. H. Smart ... [Rev.]	Ditto ...	Banda, &c., Districts [Cadastl.] Survey, N. W. P.
15	„ C. George ... [Topogl.]	Ditto ...	Khandesh and Bombay Native States Topogl. Survey ...
16	„ J. C. Kelly, L. s. ... [Rev.]	Ditto ...	Dehra Ismael Khan, &c., Districts Survey, Punjab
17	„ A. George ... [G. T. S.]	Ditto ...	Guzerat Survey, Poona ...
18	„ R. W. Senior, L. s. ... [G. T. S.]	Ditto ...	Rajputana Topogl. Survey ...
19	„ W. H. D. Ewing ... [Rev.]	Ditto ...	Ghazipur District [Cadastl.] Survey, N. W. P. ...

of the Survey of India as it stood on the 1st July 1880—concluded.

No. existing in each grade.	Consolidated Salary.	REMARKS.
	Rs. A. P.	
3	120 0 0	
4	120 0 0	
5	120 0 0	
6	120 0 0	
7	120 0 0	
8	120 0 0	Also receives Rs. 40 Assam allowance.
9	120 0 0	Ditto Rs. 40 ditto.
10	120 0 0	
11	120 0 0	
12	120 0 0	
13	120 0 0	
14	120 0 0	
15	120 0 0	
16	120 0 0	
17	120 0 0	
18	120 0 0	
19	120 0 0	

General List of the Officers of the Senior Department

of the Survey of India as it stood on the 1st July 1880.

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	Colonel F. C. Anderson, s. c. [Rev.]	P.	53 0 8	Deputy Superintendent	1st grade ...	1,627 14 0
2	" J. Macdonald, s. c. [Rev.]	P. H.	50 1 20	Ditto	2nd grade...	1,327 14 0
3	Maj.-Genl. J. T. Walker, c. B., B. E., F. R. S. [G. T. S.]	P. H.	53 7 0	Surveyor General of India	.....	3,000 0 0
4	Mr. J. B. N. Hennessey, M. A., F. R. S., [G. T. S.]	Not passed	50 11 0	Deputy Superintendent	1st grade...	1,600 0 0
5	Lieut.-Col. G. C. Depree, s. c. [Topogl.]	P. H.	47 10 28	Ditto	Ditto	1,600 0 0
6	" B. R. Branfill, B. C. [G. T. S.]	P. H.	46 7 8	Ditto	2nd grade...	1,300 0 0
7	Major H. R. Thuillier, B. E. [G. T. S.]	P. H.	42 3 5	Ditto	{ 1st grade† 1st grade...	.....
8	Lieut.-Col. C. T. Haig, B. E. [G. T. S.]	Not passed	45 8 20	Ditto	2nd grade...	1,600 0 0
9	" J. Sconce, s. c. [Rev.]	P. H.	44 2 29	Deputy Surveyor General	.....	2,200 0 0
10	Major J. Herschel, B. E., F. R. S. [G. T. S.]	P. H.	42 8 1	Deputy Superintendent	2nd grade...	.....
11	Mr. R. B. Smart ... [Rev.]	Not passed	53 3 28	Ditto	Ditto	.....
12	Lieut.-Col. D. Macdonald, s. c. [Rev.]	P. H.	44 6 21	Ditto	Ditto	1,300 0 0
13	Major F. Coddington, s. c. [Rev.]	P. H.	42 1 28	Ditto	Ditto	1,300 0 0
14	" T. T. Carter, B. E. [G. T. S.]	P. H.	42 4 22	Ditto	{ 2nd grade† 2nd grade	.....
15	" W. Barron, s. c. [Rev.]	P. H.	42 5 15	Ditto	3rd grade...	1,000 0 0
16	Captain G. Strahan, B. E. [Topogl.]	P. H.	41 4 24	Ditto	2nd grade...	1,440 0 0
17	" R. V. Riddell, B. E. [Topogl.]	P. H.	40 3 19	Ditto	3rd grade...	1,440 0 0
18	Lieut.-Col. H. C. B. Tanner, Bombay, s. c. [Rev.]	P. H.	44 11 15	Ditto	Ditto	1,000 0 0
19	Mr. E. T. S. Johnson ... [Rev.]	Not passed	52 2 2	Ditto	Ditto	1,000 0 0
20	Major D. C. Andrew, s. c. ... [Rev.]	P. H.	39 3 15	Ditto	Ditto	1,000 0 0
21	" A. Pullan, s. c. [G. T. S.]	P. H.	44 3 0	Ditto	Ditto	1,000 0 0
22	Lieut.-Col. W. M. Campbell, B. E. [G. T. S.]	Passed	40 11 12	Ditto	2nd grade...	1,482 10 0
23	Major W. H. Wilkins, s. c. ... [Rev.]	P. H.	38 8 25	Ditto	3rd grade...	1,000 0 0
24	Captain C. Strahan, B. E. [Topogl.]	Not passed	37 1 25	Ditto	Ditto	.....
25	" J. E. Sandeman, s. c. [Rev.]	P. H.	36 9 29	Ditto	Ditto	1,000 0 0
26	Major W. F. Badgley, s. c. [Topogl.]	P. H.	42 7 21	Assistant Superintendent	1st grade...	1,000 0 0
27	Mr. J. Campbell ... [Rev.]	Not passed	52 4 27	Ditto	Ditto	750 0 0
28	Captain W. J. Heaviside, B. E. [G. T. S.]	P. H.	40 0 27	Deputy Superintendent	3rd grade...	1,140 0 0
29	" H. Lees Smith, s. c., M. A., LL. B. [Rev.]	P. H.	41 3 18	Assistant Superintendent	1st grade...	750 0 0
30	Mr. J. O. N. James [Topogl.]	Not passed	50 10 25	Deputy Superintendent	3rd grade...	1,300 0 0
31	" H. B. Talbot ... [Rev.]	L. S.	49 8 5	Assistant Superintendent	{ 1st grade† 1st grade	750 0 0

† Of the two grades here given, the first was under the organization of 1868.

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 July 1880.	Present Post.	REMARKS.
		Y. M. D.		
1	Sept. 10, 1862	April 1, 1868	...	In charge Banda, &c., Districts [Cadastral] Survey, N. W. P., Naini Tal.
2	Sept. 10, 1852	Oct. 23, 1876	...	In charge North Deccan Survey, Bombay, Poona.
3	Dec. 1, 1853	Jan. 1, 1878	...	Surveyor General of India.
4	Apr. 1, 1854	April 1, 1866	25 0 14	In charge Head Quarters Offices, Dehra Dun.
5	Oct. 20, 1854	Oct. 20, 1866	...	In charge Rajputana Topographical Survey, Simla.
6	Oct. 4, 1858	Oct. 1, 1871	...	In charge Madras Party, Bangalore.
7	{ ... May 21, 1859	{ July 18, 1871 Oct. 27, 1878 }	...	On furlough
8	Sept. 22, 1859	Oct. 1, 1867	...	In charge Guzerat Survey, Poona
9	Oct. 21, 1859	Jan. 1, 1879	...	Deputy Surveyor General, Calcutta.
10	Nov. 12, 1859	Oct. 1, 1867	...	On duty, Europe.
11	Oct. 6, 1860	April 1, 1869	32 4 18	On furlough
12	Dec. 19, 1860	Jan. 1, 1878	...	In charge Dehra Ismael Khan, &c., Districts Survey, Punjab, Murree.
13	Jan. 17, 1862	Oct. 27, 1878	...	Deputy Surveyor General's Office, Calcutta.
14	{ ... Mar. 1, 1862	{ Oct. 1, 1871 Jan. 1, 1878 }	...	On furlough
15	June 27, 1862	April 1, 1870	...	In charge Ghazipur District [Cadastral] Survey, N. W. P., Naini Tal.
16	July 2, 1862	Oct. 26, 1870	...	In charge Mysore Topographical Survey, Bangalore.
17	Aug. 28, 1862	Oct. 1, 1867	...	Supdt., Mathl. Instt. Dept., and in charge Litho. Branch, Head Quarters, Calcutta.
18	Oct. 10, 1862	April 1, 1870	...	On special duty, Gilgit.
19	Nov. 21, 1862	July 5, 1870	32 8 19	In charge Jaunpur District [Cadastral] Survey, N. W. P.
20	Dec. 30, 1862	Jan. 1, 1878	...	In charge Bassein District [Cadastral] Survey, British Burma, Bassein.
21	Jan. 18, 1863	Jan. 1, 1878	...	In charge Kattywar and Cutch Survey, Poona.
22	Jan. 30, 1863	Jan. 1, 1879	...	In charge No. 2 Astronomical Party, Poona.
23	Apr. 27, 1863	Oct. 27, 1878	...	In charge Meerut, &c., Districts Survey, N. W. P.
24	Sept. 26, 1863	Dec. 1, 1867	...	On furlough
25	Oct. 6, 1864	Jan. 1, 1879	...	In charge Hanthawaddy District [Cadastral] Survey, British Burma.
26	May 3, 1865	May 8, 1868	...	In charge Khasi and Garo Hills Topographical Survey, Shillong.
27	Nov. 29, 1865	Nov. 29, 1867	29 8 29a	In temporary charge Khorda Estate [Cadastral] Survey, Orissa.
28	Mar. 1, 1866	April 5, 1872	...	In charge Khandesh and Bombay Native States Topographical Survey and No. 1 Astronomical Party, Poona.
29	{ Mar. 26, 1866 ...	{ June 18, 1870 April 1, 1874 }	...	Dehra Ismael Khan, &c., Districts Survey, Punjab, Murree.
30	April 1, 1866	April 1, 1869	27 4 16	In charge Engraving and Cartographic Branches, Head Quarters, Calcutta.
31	{ April 1, 1866 ...	{ Sept. 18, 1870 Dec. 22, 1878 }	31 7 0	On duty, Office of Deputy Surveyor General, Calcutta.

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

General List of the Officers of the Senior Department of the

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.
32	Captain T. H. Holdich, B. E. [Topogl.]	L. S.	37 4 16	Assistant Superintendent	1st grade ...	1,140 0 0
33	Major J. Waterhouse, s. c. [Topogl.]	P. H.	37 11 8	Ditto	Ditto ...	...
34	Captain M. W. Rogers, B. E. [G. T. S.]	L. S.	38 4 26	Ditto	Ditto ...	...
35	" J. Hill, B. E. ... [G. T. S.]	Not passed	39 6 7	Ditto	Ditto ...	1,140 0 0
36	Mr. W. H. Cole, M. A. ... [G. T. S.]	H. S.	42 6 16	Ditto	{ 1st grade† 1st grade	{ 750 0 0 750 0 0 }
37	Major S. H. Cowan, s. c. ... [Rev.]	P. H.	38 9 16	Ditto	2nd grade...	750 0 0
38	" E. H. Steel, s. c. ... [Rev.]	H. S.	39 2 5	Ditto	Ditto ...	750 0 0
39	" H. S. Hutchinson, s. c. [Rev.]	P. H.	40 2 20	Ditto	Ditto ...	750 0 0
40	Mr. H. Horst ... [Topogl.]	Not passed	46 7 27	Ditto	1st grade ...	...
41	Major R. Beavan, s. c. ... [Rev.]	P. H.	35 9 11	Ditto	{ 2nd grade† 2nd grade	{ 624 1 6 624 1 6 }
42	Mr. E. J. Jackson ... [Rev.]	L. S.	36 6 0	Ditto	2nd grade...	...
43	Captain A. W. Baird, B. E. ... [G. T. S.]	P. H.	37 8 5	Ditto	{ 1st grade† 1st grade	{ 890 0 0 890 0 0 }
44	Mr. E. C. Barrett ... [Rev.]	H. S.	37 2 16	Ditto	2nd grade...	600 0 0
45	Captain J. R. McCullagh, B. E. [G. T. S.]	L. S.	38 3 5	Ditto	{ 1st grade† 2nd grade	{ 890 0 0 890 0 0 }
46	Major J. R. Wilmer, s. c. ... [Topogl.]	H. S.	39 5 12	Ditto	{ 1st grade† 2nd grade	{ 750 0 0 750 0 0 }
47	Mr. G. H. Cooke ... [Rev.]	L. S.	35 7 1	Ditto	{ 2nd grade† 3rd grade	{ 750 0 0 750 0 0 }
48	" J. McGill ... [G. T. S.]	Not passed	49 8 9	Ditto	{ 1st grade† 2nd grade	{ 750 0 0 600 0 0 }
49	Captain G. W. Martin, s. c. [Rev.]	H. S.	33 1 2	Ditto	{ 3rd grade† 2nd grade	{ 600 0 0 600 0 0 }
50	Mr. W. G. Beverley ... [G. T. S.]	Not passed	44 8 15	Ditto	{ 2nd grade† 3rd grade	{ 600 0 0 600 0 0 }
51	Major R. G. Woodthorpe, B. E. [Topogl.]	L. S.	35 9 8	Ditto	{ 2nd grade† 2nd grade	{ 740 0 0 740 0 0 }
52	" E. P. Leach, v. c., B. E. [Topogl.]	L. S.	33 2 20	Ditto	{ 2nd grade† 2nd grade	{ 740 0 0 740 0 0 }
53	Captain A. J. C. Scott, s. c. [Rev.]	H. S.	32 10 12	Ditto	3rd grade ...	...
54	Lieut. H. J. Harman, B. E. ... [G. T. S.]	L. S.	30 1 17	Ditto	{ 2nd grade† 3rd grade	{ 670 0 0 670 0 0 }
55	Mr. E. C. Ryall ... [G. T. S.]	Not passed	42 5 15	Ditto	{ 2nd grade† 3rd grade	{ 600 0 0 600 0 0 }
56	Lieut. St. G. C. Gore, B. E. ... [G. T. S.]	Ditto	31 4 8	Ditto	{ 2nd grade† 3rd grade	{ 600 0 0 600 0 0 }
57	" J. R. Hobday, s. c. ... [Topogl.]	H. S.	29 11 16	Ditto	3rd grade†	...
58	" the Hon'ble M. G. Talbot, B. E. [Topogl.]	H. S.	...	Supernumerary	Ditto ...	570 0 0
59	" F. B. Longe, B. E. ... [Topogl.]	Not passed	...	Ditto	Ditto ...	570 0 0

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

Survey of India as it stood on the 1st July 1880—concluded.

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 July 1880.	Present Post.	REMARKS.
		Y. M. D.		
32	July 23, 1866	Dec. 15, 1868	On Field Service	Offg. Deputy Superintendent, 3rd grade.
33	July 23, 1866	June 17, 1870	On furlough	For 1 year and 61 days, from 12th December 1870.
34	July 30, 1866	Dec. 15, 1868	Ditto	Private affairs for 1 year and 4 days, from 1st May 1880.
35	Dec. 18, 1866	Oct. 30, 1870	In charge Eastern Frontier Series, Moulemein.	Offg. Deputy Superintendent, 3rd grade.
36	{ Jan. 3, 1867 ^a Sept. 1, 1867 ^b	{ Dec. 4, 1870 Oct. 27, 1873 }	On duty at Head Quarters Offices, Dehra Dun.	{ (a) Appointed on probation. Excludes of 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. Also receives Rs. 100 Presidency allowance. Offg. Asst. Supdt., 1st grade, and Offg. Asst. Survr. Genl.
37	{ Jan. 19, 1867 Feb. 1, 1867	{ Mar. 17, 1868 April 1, 1874 May 20, 1869 April 1, 1874 }	Offg. in charge Photographic Branch, Head Quarters, Calcutta.	Also receives Rs. 100 charge allowance. Offg. Asst. Supdt., 1st grade.
38	{ Feb. 1, 1867 Aug. 13, 1867	{ May 20, 1869 April 1, 1874 Aug. 13, 1868 April 1, 1874 }	In charge Gwalior and Central India Topographical Survey, Mussoorie.	Also receives Rs. 100 charge allowance. Offg. Asst. Supdt., 1st grade.
39	{ Aug. 13, 1867 ...	{ Aug. 13, 1868 April 1, 1874 }	Offg. in charge, South Deccan Topographical Survey, Poona.	Also receives Rs. 100 charge allowances and Rs. 15 local allowance. Offg. Asst. Supdt., 1st grade.
40	April 1, 1868	Oct. 1, 1869	On furlough	{ For 2 years, from 6th June 1870. Joined the Junior Branch, 1st September 1861. (c) Exclusive of 20 months' service in the Roorkee C. E. College. Service reckoned up to 4th June 1870 under new rules.
41	{ July 17, 1868 ...	{ Nov. 9, 1869 Oct. 27, 1873 }	On Field Service	Inclusive of Rs. 24-1-6 personal allowance.
42	Nov. 5, 1868	Nov. 5, 1868	On furlough	For 1 year 7 months 18 days, from 1st May 1880. Joined the Junior Branch, 20th Sept. 1864. Sick leave from 4th July to 3rd Aug. 1867. Sick leave from 10th Aug. to 30th Nov. 1867. Europe, medical certificate, from 23rd July 1871 to 10th Nov. 1872.
43	{ Dec. ... 1868	{ Oct. 1, 1871 Jan. 1, 1879 }	In charge Tidal and Levelling Operations, India and Burma, Poona.	Also receives Rs. 100 charge allowance and Rs. 100 deputation allowance.
44	Dec. 30, 1868	Dec. 30, 1868	Bassein Dist. [Cadastral] Survey, British Burma.	Also receives Rs. 125 Durma allowance. Joined the Junior Branch, 19th Nov. 1862. Sick leave for one month, from 20th June 1869.
45	{ Feb. 12, 1869 ...	{ Jan. 1, 1872 April 1, 1874 Aug. 28, 1872 }	Mysore Topographical Survey, Bangalore	Offg. Assistant Superintendent, 1st grade.
46	{ Aug. 24, 1869 ...	{ April 1, 1874 May 10, 1871 Jan. 1, 1873 }	In charge Bhopal and Malwa Topographical Survey, Mussoorie.	Offg. Asst. Supdt., 1st grade. Also receives Rs. 100 charge allowance.
47	{ April 1, 1870 ...	{ Jan. 1, 1873 April 1, 1873 April 1, 1874 }	On furlough	For 1 year, from 22nd May 1880. Joined the Junior Branch, 6th Dec. 1860.
48	{ Mar. 1, 1871 ...	{ Jan. 17, 1873 April 1, 1874 Jan. 17, 1873 }	Attached to Kattywar and Cutch Survey, Poona.	Offg. Asst. Supdt., 1st grade. Furlough for 1 year, from 4th July 1870. Joined the Junior Branch, 1st Oct. 1861.
49	{ Mar. 24, 1871 ...	{ April 1, 1874 April 8, 1871 Jan. 1, 1878 }	On Field Service	Service reckoned under new rules. Offg. Assistant Superintendent, 2nd grade.
50	{ April 1, 1871 ...	{ Jan. 1, 1878 ...	Tidal and Levelling Operations, India and Burma, Poona.	Offg. Asst. Supdt., 2nd grade. Joined the Junior Branch, 1st July 1864. Service reckoned under new rules.
51	{ July 14, 1871 ...	{ July 14, 1871 Dec. 22, 1873 }	On Field Service.	
52	{ Oct. 6, 1871 ...	{ Oct. 6, 1871 Jan. 1, 1879 }	Ditto.	
53	{ Jan. 17, 1872 ...	{ Jan. 17, 1873 ...	On furlough	On medical certificate to Europe for 2 years, from 21st April 1870.
54	{ June 3, 1872 ...	{ June 3, 1872 April 1, 1874 April 1, 1873 }	In charge Darjeeling Survey, Darjeeling	Offg. Asst. Supdt., 2nd grade. Also receives Rs. 100 charge allowance and Rs. 75 local allowance.
55	{ April 1, 1873 ...	{ April 1, 1874 ...	Meerut, &c., Districts Survey, N. W. P.	Offg. Asst. Supdt., 2nd grade. Joined the Junior Branch, 25th April 1865. Two hundred and twenty-five days' sick leave included under old rules.
56	{ Apl. 11, 1873 ...	{ Apl. 11, 1873 April 1, 1874 }	On Field Service	{ Offg. Assistant Superintendent, 2nd grade. (d) Under the organization of 1874.
57	Sept. 11, 1874	July 7, 1875	On furlough	On medical certificate for 1 year, from 1st December 1870.
58	Mar. 15, 1880	Mar. 15, 1880	On Field Service	Temporarily attached.
59	Mar. 15, 1880	Mar. 15, 1880	Ditto	Ditto ditto.

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

General List of the Officers of the Junior or Subordinate Department

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	Mr. Harry Duban ... [G. T. S.]	...	53 5 22	Surveyor	1st grade ...	650 0 0
2	„ N. A. Belletty ... [Topogl.]	L. S.	51 9 27	Ditto	Ditto ...	500 0 0
3	„ W. H. Patterson ... [Rev.]	L. S.	41 9 6	Ditto	Ditto ...	500 0 0
4	„ A. Chamarett ... [Topogl.]	...	47 7 1	Ditto	Ditto ...	500 0 0
5	„ C. W. Campbell ... [Rev.]	...	49 1 24	Ditto	Ditto ...	500 0 0
6	„ F. W. Kelly ... [Rev.]	H. S.	46 10 5	Ditto	Ditto ...	500 0 0
7	„ G. A. McGill ... [Topogl.]	L. S.	42 2 7	Ditto	2nd grade ...	400 0 0
8	„ W. Sinclair ... [Rev.]	...	42 9 7	Ditto	2nd grade ...	400 0 0
9	„ L. H. Clarke ... [G. T. S.]	...	46 0 27	Ditto	Ditto ...	400 0 0
10	„ C. J. Newville ... [G. T. S.]	...	46 0 12	Ditto	Ditto ...	200 0 0
11	„ W. Todd ... [G. T. S.]	...	41 7 21	Ditto	Ditto ...	400 0 0
12	„ A. D'Souza ... [G. T. S.]	...	42 10 17	Ditto	1st grade ...	500 0 0
13	„ W. R. Vvall ... [Rev.]	...	41 6 2	Ditto	4th grade ...	300 0 0
14	„ F. Grant ... [Rev.]	...	44 3 6	Ditto	2nd grade ...	400 0 0
15	„ D. Atkinson ... [Topogl.]	...	43 1 24	Ditto	Ditto ...	400 0 0
16	„ J. F. Baness ... [Topogl.]	...	50 0 1	Ditto	1st grade ...	600 0 0
17	„ R. W. Chew ... [Topogl.]	...	40 11 8	Ditto	2nd grade ...	400 0 0
18	„ J. Low ... [G. T. S.]	...	40 4 0	Ditto	Ditto ...	400 0 0
19	„ C. Wood ... [G. T. S.]	L. S.	37 11 10	Ditto	Ditto ...	400 0 0
20	„ H. E. T. Keelan ... [G. T. S.]	...	37 3 1	Ditto	Ditto ...	400 0 0
21	„ F. Bell ... [G. T. S.]	L. S.	38 2 6	Ditto	3rd grade ...	175 0 0
22	„ G. Atkinson ... [G. T. S.]	...	36 8 20	Ditto	Ditto ...	350 0 0
23	„ P. A. G. Cowley ... [Rev.]	L. S.	38 5 15	Ditto	2nd grade ...	400 0 0
24	„ T. W. Reiley ... [Rev.]	L. S.	39 0 7	Ditto	3rd grade ...	350 0 0
25	„ E. Little ... [Rev.]	...	34 8 19	Ditto	4th grade ...	300 0 0
26	„ J. Peyton ... [G. T. S.]	...	49 0 0	Ditto	1st grade ...	500 0 0
27	„ S. M. Smylie ... [Rev.]	L. S.	38 7 5	Ditto	3rd grade ...	350 0 0
28	„ W. S. Buttress ... [Rev.]	...	30 4 12	Ditto	Ditto ...	350 0 0
29	„ A. J. Wilson ... [Topogl.]	L. S.	37 10 0	Ditto	2nd grade ...	400 0 0
30	„ J. A. May ... [Topogl.]	...	39 1 16	Ditto	3rd grade ...	350 0 0
31	„ F. Adams ... [Topogl.]	...	44 2 6	Ditto	Ditto ...	350 0 0
32	„ R. D. Farrell ... [Topogl.]	...	37 5 1	Ditto	Ditto ...	350 0 0
33	„ J. S. Pemberton ... [Rev.]	L. S.	36 11 23	Ditto	Ditto ...	350 0 0

of the Survey of India as it stood on the 1st July 1880.

General Seniority Number.	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 July 1880.	Present Post.	REMARKS.
			Y. M. D.		
1	April 22, 1845	April 1, 1866	30 0 22	Personal Assistant to the Surveyor Genl. of India.	(a) Inclusive of Rs. 150 personal allowance. Service reckoned under new rules.
2	July 16, 1847	April 1, 1866	32 11 16	On duty at Head Quarters, Calcutta ...	Also receives Rs. 45 Presidency house rent. Service reckoned under old rules.
3	Dec. 1, 1851	Jan. 1, 1871	18 5 15	Detached under Settlement Officer, Cachar District, Assam.	Also receives Rs. 60 Assam allowance. Leave on private affairs, from 1st May to 31st August 1862.
4	June 2, 1852	Mar. 1, 1871	28 0 29	Geographical Examiner, Head Quarters, Calcutta.	Leave on private affairs to Europe, from 20th July 1872 to 18th Jan. 1873. Leave on private affairs to Europe, from 11th July 1879 to 2nd January 1880. Also receives Rs. 45 Presidency house rent.
5	Nov. 1, 1853	June 26, 1880	26 8 0	Banda, &c., Dists. [Cadastral] Survey, N. W. P.	
6	Dec. 4, 1854	July 8, 1879	24 3 8	On duty, Office of Depy. Surver. Genl., Calcutta.	Special leave for 4 months, from 21st January 1859, which was overstayd from 21st May to 18th August 1859. Commencement of second service, 17th August 1859.
7	April 8, 1855	Jan. 1, 1871	25 2 23	Rajputana Topogl. Survey	Sick leave, from 1st November 1871 to 28th February 1872. Service reckoned under old rules.
8	Oct. 1, 1855	May 1, 1878	20 3 3	Extra Draftsman, Office of Depy. Surveyor Genl., Calcutta.	Also receives Rs. 30 Presidency house rent. On furlough private affairs, from 19th April to 22nd October 1877, inclusive.
9	Nov. 26, 1855	Dec. 1, 1872	24 7 5	On duty at Head Quarters, Dehra Dun, as Solar Photographer.	
10	Dec. 1, 1855	Oct. 1, 1871	24 7 0	On half-pay list, from 3rd Nov. 1879 ...	Inclusive of 6 months' sick leave reckoned under old rules.
11	Jan. 11, 1856	June 1, 1874	22 4 23	On duty at Head Quarters, Dehra Dun...	Inclusive of 2 years which count as service, out of 4 years and 23 days on medical certificate, under old rules.
12	Feb. 19, 1856	Sept. 1, 1875	19 7 15	Guzerat Survey, Poona ...	Exclusive of 349 days' furlough, 77 days' leave on medical certificate, and 33 days' preparatory leave, under new rules.
13	June 13, 1859	April 1, 1869	24 0 18	Khorda Estate [Cadastral] Survey, Orissa.	
14	July 11, 1856	April 1, 1872	23 11 21	Hanthawaddy Dist. [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance.
15	Aug. 4, 1856	Jan. 1, 1871	23 10 28	Bhopal and Malwa Topogl. Survey.	
16	Sept. 5, 1856	May 1, 1870	23 9 26d	Chief Draftsman, Head Quarters, Calcutta	(d) Service reckoned under new rules.
17	Sept. 15, 1856	Oct. 1, 1874	23 9 16	Mysore Topogl. Survey.	
18	Oct. 1, 1857	Aug. 1, 1875	15 10 13	Eastern Frontier Series, Moulmein ...	Also receives Rs. 100 Burma allowance. Service reckoned under new rules.
19	May 6, 1858	May 1, 1878	21 11 10	Computing Office, Head Quarters, Dehra Dun.	Service reckoned under old rules.
20	Aug. 17, 1858	July 8, 1879	14 3 0	On duty at Head Quarters, Calcutta ...	Also receives Rs. 30 Presidency house rent. Exclusive of 11 months' and 13 days' furlough and 18 days' sick leave under new rules.
21	Aug. 17, 1858	June 1, 1873	14 0 19	On half-pay list, from 1st Nov. 1879 ...	Exclusive of furlough for 1 year, 17 days' subsidiary leave, and 13 months' medical leave under new rules.
22	Aug. 1, 1859	Jan. 1, 1874	20 8 20e	Drawing Office, Head Quarters, Dehra Dun.	(e) Service reckoned under old rules.
23	Sept. 1, 1859	Nov. 1, 1879	20 10 0	Jaunpur District [Cadastral] Survey, N. W. P.	
24	Oct. 18, 1859	June 26, 1880	20 7 2	On duty, Office of Depy. Surveyor Genl., Calcutta.	Also receives Rs. 30 Presidency house rent. Absent without leave, from 20th January to 28th Feb. 1861.
25	Jan. 1, 1860	Nov. 5, 1871	20 6 0	Banda, &c., Dists. [Cadastral] Survey, N. W. P.	Apprentice from 1st January 1860 to 4th November 1862.
26	Feb. 3, 1860	April 1, 1874	20 4 27f	On duty at Head Quarters, Calcutta ...	{ Also receives Rs. 45 Presidency house rent. (f) Service reckoned under old rules.
27	July 24, 1860	April 1, 1872	19 11 8	South Deccan Survey, Bombay.	
28	Sept. 1, 1860	Nov. 13, 1879	19 10 0	Dehra Ismael Khan, &c., Districts Survey, Punjab.	Copyist from 1st to 30th September 1860.
29	Oct. 1, 1860	June 26, 1880	19 9 0	On duty at Head Quarters, Calcutta ...	Also receives Rs. 30 Presidency house rent. Apprentice Draftsman, from 1st January 1860.
30	Oct. 1, 1860	Oct. 1, 1874	20 6 0	On duty, Office of Deputy Surveyor General, Calcutta.	Also receives Rs. 30 Presidency house rent. Apprentice Draftsman, from 1st January 1860.
31	Oct. 1, 1860	Oct. 1, 1871	23 7 27g	On duty at Head Quarters, Calcutta ...	(g) Inclusive of service as Sub-Surveyor, from 3rd November 1866 to 30th September 1869. Also receives Rs. 30 Presidency house rent.
32	Oct. 1, 1860	Jan. 1, 1878	19 9 0	On duty at Head Quarters, Calcutta ...	Also receives Rs. 30 Presidency house rent.
33	Oct. 6, 1860	Jan. 1, 1878	19 8 21	Jaunpur District [Cadastral] Survey, N. W. P.	Overstayd privilege leave by 5 days in June 1869.

General List of the Officers of the Junior or Subordinate Department

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.
34	Mr. H. R. Littlewood ... [Rev.]	...	36 7 25	Surveyor	3rd grade ...	350 0 0
35	„ W. A. Wilson ... [Rev.]	L. S.	37 1 2	Ditto	„ „ Ditto ...	350 0 0
36	„ A. J. Gibson ... [Rev.]	...	38 3 0	Ditto	„ „ 4th grade ...	300 0 0
37	„ E. S. P. Atkinson ... [Topogl.]	...	34 11 4	Ditto	„ „ Ditto ...	300 0 0
38	„ A. G. Wyatt ... [Topogl.]	...	35 4 6	Ditto	„ „ Ditto ...	300 0 0
39	„ H. Peyohers ... [G. T. S.]	...	37 6 18	Ditto	„ „ Ditto ...	300 0 0
40	„ H. Dowman ... [Rev.]	...	34 0 20	Ditto	„ „ Ditto ...	300 0 0
41	„ G. Belcham ... [G. T. S.]	H. S.	35 4 15	Ditto	„ „ Ditto ...	300 0 0
42	„ H. T. Hanby ... [Rev.]	L. S.	33 8 12	Ditto	„ „ Ditto ...	300 0 0
43	„ A. M. Lawson ... [Rev.]	L. S.	41 5 29	Ditto	„ „ 3rd grade ...	350 0 0
44	„ G. B. Scott ... [Rev.]	H. S.	35 11 6	Ditto	„ „ Ditto ...	350 0 0
45	„ J. T. U. Cozen ... [Rev.]	...	39 9 22	Assistant Surveyor	1st grade ...	250 0 0
46	„ M. J. Ogle ... [Topogl.]	...	38 3 27	Surveyor	4th grade ...	300 0 0
47	„ L. J. Pocock ... [G. T. S.]	H. S.	36 9 5	Ditto	„ „ Ditto ...	300 0 0
48	„ C. F. Hamer ... [Topogl.]	...	33 8 24	Ditto	„ „ Ditto ...	300 0 0
49	„ A. Christie ... [G. T. S.]	H. S.	34 9 1	Ditto	„ „ Ditto ...	300 0 0
50	„ T. E. M. Claudius ... [Topogl.]	...	34 1 0	Ditto	„ „ Ditto ...	300 0 0
51	„ C. A. R. Scanlan ... [Topogl.]	...	32 9 19	Ditto	„ „ Ditto ...	300 0 0
52	„ W. O'Sullivan ... [G. T. S.]	...	36 4 17	Ditto	„ „ Ditto ...	300 0 0
53	„ J. H. O'Donel ... [Rev.]	...	34 11 15	Ditto	„ „ Ditto ...	300 0 0
54	„ N. C. Gwynne ... [G. T. S.]	...	37 3 25	Ditto	„ „ Ditto ...	300 0 0
55	„ J. Newland ... [Rev.]	L. S.	42 10 26	Assistant Surveyor	1st grade ...	250 0 0
56	„ W. C. Price ... [G. T. S.]	...	34 0 8	Surveyor	4th grade ...	300 0 0
57	„ R. Todd ... [Topogl.]	...	34 11 20	Assistant Surveyor	1st grade ...	250 0 0
58	„ P. Ford ... [Rev.]	L. S.	34 6 24	Ditto	„ „ Ditto ...	250 0 0
59	„ J. Todd ... [Rev.]	...	46 1 19	Surveyor	3rd grade ...	350 0 0
60	„ G. Campbell ... [Rev.]	...	31 11 19	Assistant Surveyor	„ „ Ditto ...	160 0 0
61	„ R. B. Smart, Jr. ... [Rev.]	L. S.	33 0 2	Ditto	1st grade ...	250 0 0
62	„ D. A. King ... [Rev.]	...	33 7 26	Ditto	„ „ Ditto ...	250 0 0
63	„ A. W. Chennell ... [Topogl.]	...	33 7 0	Surveyor	4th grade ...	300 0 0
64	„ A. J. James ... [Topogl.]	L. S.	33 7 12	Assistant Surveyor	1st grade ...	250 0 0
65	„ C. Tapsell ... [Topogl.]	L. S.	35 7 17	Ditto	„ „ Ditto ...	250 0 0
66	„ C. H. McA. Fee ... [G. T. S.]	L. S.	30 7 15	Surveyor	4th grade ...	300 0 0
67	„ F. Kitchen ... [Topogl.]	...	34 3 7	Assistant Surveyor	1st grade ...	250 0 0
68	„ W. Stotesbury ... [Topogl.]	{ H. S. } { L. S. Ca- } { narese. }	32 11 6	Ditto	„ „ Ditto ...	250 0 0
69	„ T. H. Rendell ... [G. T. S.]	...	35 11 9	Ditto	„ „ Ditto ...	250 0 0
70	„ C. W. F. Seyers ... [Rev.]	...	36 10 15	Ditto	2nd grade ...	200 0 0
71	„ J. Connor ... [Rev.]	...	32 9 24	Ditto	1st grade ...	325 0 0

of the Survey of India as it stood on the 1st July 1880—continued.

General Seniority Number.	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 July 1880.	Present Post.	REMARKS.
			Y. M. D.		
34	Oct. 6, 1860	Jan. 1, 1878	19 8 26	Bassein District [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance.
35	Jan. 1, 1861	May 1, 1878	19 6 0	Ghazipur District [Cadastral] Survey, N. W. P.	
36	May 1, 1861	Oct. 1, 1873	19 1 27	Dehra Ismael Khan, &c., Dists. Surv., Punjab.	Absent without leave for 3 days in January 1866.
37	Aug. 13, 1861	April 1, 1872	11 7 2	Rajputana Topogl. Survey	
38	Nov. 1, 1861	April 1, 1874	18 8 0	Khandesh and Bombay Native States Topogl. Survey.	Furlough for 1 year 3 months and 13 days, from 29th July 1870 to 8th November 1877, and sick leave for 19 days in September 1867.
39	April 8, 1862	June 1, 1874	18 2 23	Computing Office, Head Quarters, Dehra Dun.	Service reckoned under old rules.
40	Oct. 16, 1862	Oct. 16, 1874	17 8 1	Hanthawaddy District [Cadastral] Surv., British Burma.	Also receives Rs. 100 Burma allowance. Absent without leave 3 days. Sick leave, 2 days in Oct. 1865; 4 days in Dec. 1865, and from 11th to 16th December 1866. Service reckoned under old rules.
41	Nov. 1, 1862	June 1, 1874	17 8 0	Tidal and Levelling Operations, India and Burma, Poona.	
42	Nov. 13, 1862	Nov. 13, 1874	17 7 18	Ghazipur District [Cadastral] Survey, N. W. P.	
43	Nov. 18, 1862	Oct. 30, 1879	17 7 13	North Deccan Topogl. Survey, Bombay.	
44	May 1, 1863	July 8, 1879	17 2 0	Dehra Ismael Khan, &c., Dists. Survey, Punjab.	Also receives Rs. 100 personal allowance.
45	May 16, 1863	Nov. 1, 1879	16 6 22	On Field Service	Sick leave, from 6th to 31st Oct. 1878, and 6 months from 12th November 1878. Also receives Rs. 50 Afghanistan allowance.
46	July 1, 1863	April 1, 1873	15 3 27	Ditto	Also receives Rs. 50 Afghanistan allowance and furlough to Europe for 2 years, from 21st November 1877 to 20th November 1879. Service reckoned under new rules.
47	July 10, 1863	July 1, 1874	14 6 7	Mysore Topogl. Survey	Exclusive of 69 days' sick leave. Service reckoned under new rules.
48	Aug. 3, 1863	July 13, 1878	11 8 24	Bhopal and Malwa Topogl. Survey	Service reckoned under new rules.
49	Aug. 7, 1863	Oct. 1, 1874	12 9 1	Guzerat Survey, Poona	Service reckoned under new rules.
50	Aug. 10, 1863	Jan. 1, 1880	12 1 0	On Field Service	Also receives Rs. 50 Afghanistan allowance.
51	Sept. 9, 1863	July 8, 1879	10 4 29	Hanthawaddy District [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance. Exclusive of leave on medical certificate, from 1st January to 29th April 1875, also 21 days in August 1879. Also receives Rs. 50 local allowance.
52	Oct. 1, 1863	Oct. 1, 1874	14 4 17	Darjeeling Survey	
53	Oct. 1, 1863	Oct. 22, 1879	12 11 15	Jaunpur District [Cadastral] Survey, N. W. P.	
54	Oct. 19, 1863	Oct. 1, 1874	15 3 25	Kattywar and Cutch Survey, Poona.	
55	Oct. 22, 1863	Jan. 1, 1878	16 8 10	North Deccan Survey, Bombay	Also receives Rs. 15 local allowance.
56	Nov. 1, 1863	Oct. 1, 1874	12 0 8	Bombay Party	Service reckoned under new rules.
57	Nov. 1, 1863	Oct. 1, 1871	12 11 19	Dehra Ismael Khan, &c., Districts Survey, Punjab.	
58	Dec. 15, 1863	June 4, 1873	12 6 19	Bassein District [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance. Absent without leave 1 day, and sick leave 4 days in October 1866.
59	Dec. 27, 1863	Jan. 1, 1872	16 6 4	Meerut, &c., Districts Survey, N. W. P.	Overstayed privilege leave by 1 day in August 1874.
60	Jan. 1, 1864	Dec. 1, 1874	8 11 19	Bassein District [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance. Office Assistant, from 1st January 1864 to 20th February 1874.
61	Jan. 1, 1864	May 27, 1874	11 0 2	Banda, &c., Dists. [Cadastral] Survey, N. W. P.	Apprentice, from 1st January to 31st December 1864.
62	April 12, 1864	Jan. 1, 1874	11 7 25	Hanthawaddy District [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance. Apprentice, from 12th April to 30th June 1864.
63	May 1, 1864	Nov. 1, 1879	10 7 0	Khasi and Garo Hills Topogl. Survey	Also receives Rs. 40 Assam allowance. Furlough to Europe for 2 years, from 21st November 1877 to 20th November 1879. Probationer, from 10th November 1862 to 30th April 1864.
64	June 15, 1864	Sept. 1, 1873	11 7 12	Mysore Topogl. Survey.	
65	Aug. 2, 1864	Oct. 1, 1872	13 7 16	Guzerat Survey, Poona.	
66	Sept. 6, 1864	Aug. 1, 1875	8 7 15	Ditto.	
67	Oct. 1, 1864	April 1, 1874	12 1 7	Mysore Topogl. Survey	Exclusive of 2 months' sick leave.
68	Oct. 4, 1864	April 1, 1874	10 11 6	Ditto.	
69	Oct. 11, 1864	June 1, 1873	13 11 9	Tidal and Levelling Operations, India and Burma, Poona.	Also receives Rs. 50 deputation allowance.
70	Dec. 1, 1864	June 11, 1860	14 10 16	Meerut, &c., Districts Survey, N. W. P.	
71	Feb. 15, 1865	Dec. 8, 1874	10 9 24	Draftsman, Office of Deputy Surveyor General, Calcutta.	

General List of the Officers of the Junior or Subordinate Department

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.
72	Mr. T. H. Dunne ... [Rev.]	L. S.	32 6 5	Assistant Surveyor ...	1st grade ...	250 0 0
73	„ W. J. Lane ... [Rev.]	...	33 1 5	Ditto ...	Ditto ...	300 0 0
74	„ E. J. Connor ... [G. T. S.]	L. S.	31 10 15	Ditto ...	Ditto ...	250 0 0
75	„ E. A. Wainright ... [Topogl.]	...	32 0 23	Ditto ...	Ditto ...	250 0 0
76	„ Hugh Todd ... [G. T. S.]	...	32 10 15	Ditto ...	Ditto ...	250 0 0
77	„ J. A. Barker ... [Topogl.]	...	34 2 18	Ditto ...	Ditto ...	250 0 0
78	„ R. C. D. Ewing ... [Rev.]	H. S.	32 0 20	Ditto ...	Ditto ...	250 0 0
79	„ W. J. Cornelius ... [Topogl.]	L. S.	31 3 1	Ditto ...	Ditto ...	250 0 0
80	„ W. F. Pettigrew ... [Topogl.]	...	35 10 19	Ditto ...	2nd grade...	100 0 0
81	„ J. Bond ... [G. T. S.]	...	30 5 24	Ditto ...	1st grade ...	250 0 0
82	„ C. D. Potter ... [G. T. S.]	L. S.	34 9 27	Ditto ...	Ditto ...	250 0 0
83	„ G. W. Jarbo ... [Rev.]	L. S.	32 9 15	Ditto ...	Ditto ...	250 0 0
84	„ J. R. Scott ... [Rev.]	L. S.	31 3 27	Ditto ...	2nd grade...	200 0 0
85	„ P. J. W. Doran ... [Topogl.]	L. S.	31 1 27	Ditto ...	Ditto ...	200 0 0
86	„ C. W. Wilson ... [Rev.]	L. S.	34 7 22	Ditto ...	Ditto ...	200 0 0
87	„ J. McHatton ... [Rev.]	L. S.	30 11 14	Ditto ...	Ditto ...	200 0 0
88	„ W. W. McNair ... [Topogl.]	L. S.	29 9 18	Ditto ...	1st grade ...	250 0 0
89	„ E. J. Martin ... [Rev.]	...	29 4 15	Ditto ...	2nd grade...	200 0 0
90	„ H. T. Kitchen ... [Topogl.]	...	32 0 23	Ditto ...	Ditto ...	200 0 0
91	„ A. Cooper ... [Topogl.]	...	39 8 4	Ditto ...	Ditto ...	100 0 0
92	„ J. H. Wilson ... [Topogl.]	L. S.	34 0 23	Ditto ...	Ditto ...	200 0 0
93	„ J. Hickie ... [G. T. S.]	L. S.	31 5 17	Ditto ...	Ditto ...	200 0 0
94	„ W. H. Lilley ... [Topogl.]	...	31 6 28	Ditto ...	Ditto ...	200 0 0
95	„ W. Fielding ... [G. T. S.]	L. S.	32 1 13	Ditto ...	Ditto ...	200 0 0
96	„ G. D. Cusson ... [G. T. S.]	L. S.	33 9 7	Ditto ...	Ditto ...	.....
97	„ T. Kinney ... [G. T. S.]	L. S.	33 1 27	Ditto ...	1st grade ...	125 0 0
98	„ S. O. Madras ... [Rev.]	...	29 10 16	Ditto ...	2nd grade...	200 0 0
99	„ T. F. Freeman ... [Rev.]	L. S.	29 3 27	Ditto ...	Ditto ...	.....
100	„ G. C. Swiney ... [Rev.]	...	31 0 4	Ditto ...	Ditto ...	200 0 0
101	„ J. Murphy ... [Rev.]	...	27 11 19	Ditto ...	3rd grade...	160 0 0
102	„ W. D. Corbett ... [Rev.]	...	30 1 0	Ditto ...	2nd grade...	200 0 0
103	„ C. P. Torrens ... [G. T. S.]	...	28 6 12	Ditto ...	Ditto ...	200 0 0
104	„ J. S. Swiney ... [Rev.]	...	29 6 12	Ditto ...	Ditto ...	200 0 0
105	„ T. Shaw ... [Rev.]	L. S.	27 7 15	Ditto ...	Ditto ...	200 0 0

of the Survey of India as it stood on the 1st July 1880—continued.

General Seniority Number.	8	9	10	11	12
	Date of first appointment to the Department.	Date of appointment to present grade.	Period of service counting for pension on 1st July 1880.	Present Post.	REMARKS.
			Y. M. D.		
72	Feb. 15, 1865	Feb. 15, 1871	10 5 24	Khorda Estate [Cadastral] Survey, Orissa	Absent without leave one day, and sick leave for 10 days in October 1865.
73	Mar. 1, 1865	April 24, 1871	10 8 26	Extra Draftsman, Office of Depy. Surver. Genl., Calcutta.	Sick leave from 16th May to 9th July 1868, and from 7th August to 23rd October 1868.
74	Mar. 1, 1865	July 1, 1874	9 4 10	Tidal and Levelling Operations, India and Burma, Poona.	Exclusive of 6 months' and 5 days' leave on private affairs, under new rules.
75	May 1, 1866	July 13, 1878	10 0 13	Bhopal and Malwa Topogl. Survey.	
76	July 15, 1865	June 1, 1874	10 9 16	Mysore Topogl. Survey ...	Exclusive of 30 days' sick leave.
77	Sept. 1, 1865	Jan. 1, 1878	12 2 18	Khandesh and Bombay Native States Topogl. Survey.	
78	June 9, 1866	Aug. 1, 1878	10 0 20	Meerut, &c., Districts Survey, N. W. P.	
79	Aug. 15, 1866	July 8, 1879	9 3 1	Gwalior and Central India Topogl. Survey.	
80	Sept. 12, 1866	Oct. 1, 1872	12 4 9	On half-pay list, from 6th October 1879.	
81	Oct. 18, 1866	Oct. 1, 1874	8 5 4	Guzerat Survey, Poona ...	Exclusive of 20 days' sick leave.
82	Oct. 29, 1866	Oct. 1, 1874	12 8 24	Madras Party ...	Ditto of 33 days' sick leave.
83	Nov. 1, 1866	Jan. 1, 1880	10 9 0	Khorda Estate (Cadastral) Survey, Orissa	Sick leave for 15 days, from 20th May to 9th June 1869.
84	Jan. 19, 1867	May 1, 1873	9 3 27	Ditto, ditto.	
85	Feb. 1, 1867	April 1, 1873	8 5 3	Gwalior and Central India Topogl. Survey	
86	June 21, 1867	July 8, 1879	12 2 22	Meerut, &c., Districts 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.
87	July 1, 1867	July 1, 1873	7 11 14	Hanthawaddy District (Cadastral) Survey, British Burma.	Also receives Rs. 100 Burma allowance. Furlough for 1 year, from 1st January to 31st December 1876.
88	Sept. 1, 1867	Oct. 22, 1879	7 10 18	On Field Service ...	Also receives Rs. 50 local allowance.
89	Sept. 16, 1867	Jan. 1, 1880	7 4 15	Jaunpur District [Cadastral] Survey, N. W. P.	Office Assistant, from 18th September 1867 to 31st July 1870.
90	Nov. 1, 1867	Nov. 1, 1873	10 0 23	Bhopal and Malwa Topogl. Survey.	
91	Dec. 1, 1867	April 1, 1874	17 3 0	On half-pay list, from 6th October 1879	(b) Service reckoned under old rules; includes previous service in Pegu Survey, from 2nd January 1863 to 30th November 1867.
92	April 1, 1868	April 1, 1874	11 10 23	Rajputana Topogl. Survey ...	Exclusive of 2 months' sick leave, from 1st July 1869. Appointed as Draftsman, from 16th May 1863.
93	April 29, 1868	June 1, 1874	8 11 17	South Deccan Survey, Bombay ...	Also receives Rs. 12 local allowance; exclusive of six months' sick leave.
94	May 1, 1868	Jan. 1, 1878	9 1 7	Bhopal and Malwa Topogl. Survey ...	Exclusive of leave on medical certificate, from 14th Dec. 1877 to 3rd June 1878. Previous service as Apprentice, from 1st November 1867.
95	May 3, 1868	July 1, 1874	10 1 13	Kattywar and Cutch Survey, Poona.	
96	May 8, 1868	Oct. 1, 1874	11 1 7	On furlough ...	For one year, from 1st November 1879. Service reckoned up to 31st October 1879.
97	June 17, 1868	Oct. 1, 1874	10 6 27	On half-pay list, from 7th Dec. 1879.	
98	July 6, 1868	July 6, 1874	7 10 16	Ghazipur District [Cadastral] Survey, N. W. P.	
99	Sept. 9, 1868	Sept. 9, 1874	7 3 27	On furlough ...	For one year, from 1st May 1869.
100	Sept. 17, 1868	Dec. 1, 1874	9 0 4	South Deccan Survey, Bombay ...	Also receives Rs. 12 local allowance.
101	Nov. 22, 1868	Jan. 1, 1878	5 11 19	Hanthawaddy District [Cadastral] Survey, British Burma.	Ditto Rs. 100 Burma allowance. Office Assistant, from 22nd November 1869 to 31st October 1871.
102	Dec. 12, 1868	Oct. 22, 1879	8 1 0	Ghazipur District [Cadastral] Survey, N. W. P.	Office Assistant, from 1st December 1868 to 31st July 1870.
103	Dec. 12, 1868	Feb. 25, 1878	6 6 12	Bombay Party.	
104	Jan. 5, 1869	Jan. 1, 1878	7 6 12	Jaunpur District [Cadastral] Survey, N. W. P.	
105	April 21, 1869	Aug. 1, 1878	5 7 15	Detached on Boundary Survey, Cachar District, Assam.	Also receives Rs. 40 Assam allowance.

General List of the Officers of the Junior or Subordinate Department

of the Survey of India as it stood on the 1st July 1880—continued.

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.
106	Mr. W. Robert ... [Topogl.]	...	29 10 2	Assistant Surveyor ...	2nd grade...	200 0 0
107	„ W. H. Penrose ... [Rev.]	L. S.	28 8 24	Ditto ...	Ditto ...	200 0 0
108	„ A. Bryson ... [G. T. S.]	H. S.	30 10 1	Ditto ...	3rd grade...	80 0 0
109	„ F. E. Warde ... [Topogl.]	...	28 9 24	Ditto ...	2nd grade...	200 0 0
110	„ C. T. Templeton ... [Topogl.]	...	27 9 27	Ditto ...	3rd grade...	160 0 0
111	„ A. D. Smart ... [Rev.]	...	49 8 17	Surveyor ...	Ditto ...	175 0 0
112	„ G. E. Parker ... [Rev.]	...	30 4 18	Assistant Surveyor ...	Ditto ...	160 0 0
113	„ J. McCay ... [Topogl.]	...	26 8 23	Ditto ...	Ditto ...	160 0 0
114	„ R. A. Gibson ... [Topogl.]	...	25 11 26	Ditto ...	Ditto ...	200 0 0
115	„ W. Oldham ... [G. T. S.]	L.S. (Canarese.)	27 6 15	Ditto ...	Ditto ...	.....
116	„ C. W. J. Ford ... [Rev.]	...	27 3 6	Ditto ...	Ditto ...	160 0 0
117	„ W. C. G. Barckley ... [Topogl.]	...	28 8 9	Ditto ...	Ditto ...	160 0 0
118	„ A. W. Smart ... [Rev.]	...	29 4 1	Ditto ...	Ditto ...	160 0 0
119	„ G. Vander Beck ... [Topogl.]	L. S.	30 9 15	Ditto ...	Ditto ...	160 0 0
120	„ W. M. Kelly ... [Rev.]	...	25 10 25	Ditto ...	Ditto ...	160 0 0
121	„ A. Kitchen ... [Topogl.]	...	27 5 4	Ditto ...	Ditto ...	160 0 0
122	„ P. White ... [Topogl.]	...	29 8 22	Ditto ...	Ditto ...	80 0 0
123	„ J. O. Hughes ... [G. T. S.]	...	24 10 8	Ditto ...	Ditto ...	160 0 0
124	„ B. M. Wilson ... [Rev.]	...	32 2 17	Ditto ...	Ditto ...	160 0 0
125	„ E. P. S. Hill ... [Rev.]	...	26 0 17	Ditto ...	Ditto ...	160 0 0
126	„ E. H. S. Gasper ... [Rev.]	...	26 7 16	Ditto ...	Ditto ...	160 0 0
127	„ G. T. Hall ... [G. T. S.]	L. S.	28 2 24	Ditto ...	Ditto ...	160 0 0
128	„ E. B. M. Drew ... [Rev.]	...	26 2 10	Ditto ...	4th grade...	60 0 0
129	„ R. R. Dickinson ... [Rev.]	L. S.	28 11 6	Ditto ...	3rd grade...	160 0 0
130	„ J. F. McCarthy ... [G. T. S.]	L. S.	27 2 2	Ditto ...	Ditto ...	160 0 0
131	„ E. Graham ... [Topogl.]	L. S.	26 8 0	Ditto ...	Ditto ...	160 0 0
132	„ G. L. Fleming ... [Topogl.]	...	26 2 29	Ditto ...	Ditto ...	160 0 0
133	„ G. R. Copping ... [Topogl.]	L. S.	27 0 6	Ditto ...	Ditto ...	160 0 0
134	„ G. A. Knight ... [Topogl.]	...	26 2 9	Ditto ...	Ditto ...	160 0 0
135	„ D. J. Collins ... [G. T. S.]	...	26 1 27	Ditto ...	Ditto ...	160 0 0
136	„ P. A. Peters ... [Rev.]	L. S.	25 6 23	Ditto ...	4th grade...	120 0 0
137	„ H. Corkery ... [G. T. S.]	L. S.	28 10 10	Ditto ...	3rd grade...	160 0 0
138	„ P. F. Prunty ... [G. T. S.]	...	25 6 6	Ditto ...	4th grade...	120 0 0
139	„ J. Keating ... [G. T. S.]	...	26 1 27	Ditto ...	Ditto ...	120 0 0
140	„ C. S. Kraal ... [Rev.]	L. S.	26 9 6	Ditto ...	Ditto ...	120 0 0
141	„ S. F. Norman ... [G. T. S.]	...	25 10 23	Ditto ...	Ditto ...	120 0 0
142	„ C. Norman ... [G. T. S.]	L. S.	24 1 12	Ditto ...	Ditto ...	120 0 0

General Seniority Number.	8	9	10	11	12
	Date of first appointment to the Department.	Date of appointment to present grade.	Period of service counting for pension on 1st July 1880.	Present Post.	REMARKS.
			Y. M. D.		
106	Aug. 21, 1869	July 13, 1878	7 10 2	Darjeeling Survey ...	Also receives Rs. 40 local allowance.
107	Aug. 11, 1869	Dec. 16, 1878	6 8 24	South Deccan Survey, Bombay ...	Ditto Rs. 12 ditto.
108	Sept. 20, 1869	Oct. 1, 1873	8 10 1	On half-pay list, from 1st May 1880.	
109	Sept. 1, 1870	Nov. 1, 1879	6 9 24	Khandesh and Bombay Native States Topogl. Survey.	
110	Sept. 1, 1870	Sept. 1, 1873	5 9 27	Gwalior and Central India Topogl. Survey.	
111	Oct. 1, 1870 ^a	Oct. 1, 1870	9 9 0	On half-pay list, from 1st Jan. 1880 ...	(a) Commencement of second service.
112	Nov. 18, 1870	July 8, 1874	8 4 18	Hanthawaddy Dist. [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance.
113	Dec. 1, 1870	Dec. 1, 1873	4 8 23	Khasi and Garo Hills Topogl. Survey.	Also receives Rs. 40 Assam allowance.
114	Dec. 1, 1870	Oct. 17, 1878	3 11 26	Map Curator, Head Quarters, Calcutta...	Previous service on probation in G.T.S., from 1st Oct. 1869 to 30th June 1870. Apprentice Draftsman, Survey Genl.'s Office, from 10th October to 30th November 1870. Probationary Assistant Surveyor, 1st December 1870.
115	Oct. 15, 1871	June 1, 1874	4 7 0	On furlough ...	On private affairs from 10th July 1879.
116	Nov. 1, 1871	Jan. 1, 1878	5 3 6	Bassein District [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance.
117	Dec. 1, 1871	Feb. 1, 1874	6 8 9	Rajputana Topogl. Survey ...	Inclusive of special leave to Europe on full pay, for 1 year 10 months and 28 days, from 26th April 1870 to 2nd March 1878.
118	Dec. 1, 1871	Jan. 1, 1878	7 4 1	Khasi and Garo Hills Topogl. Survey	Also receives Rs. 40 Assam allowance.
119	July 1, 1872	April 1, 1877	8 9 15	Khandesh and Bombay Native States Topogl. Survey.	Apprentice Draftsman, from 11th October 1870 to 30th July 1872.
120	Oct. 1, 1872	Jan. 1, 1878	3 10 25	North Deccan Survey, Bombay ...	Also receives Rs. 9-9-7 local allowance. Re-appointed to the Department, 1st Oct. 1878, after employment in the Forest Department, from 1st Nov. 1877 to 30th September 1878.
121	Oct. 1, 1872	Feb. 25, 1878	5 5 4	Gwalior and Central India Topogl. Survey.	
122	Oct. 1, 1872	May 15, 1878	6 11 3	On half-pay list, from 18th Aug. 1879	Exclusive of sick leave for 3 months, from 21st October 1878. Leave extended for 3 months; further extension of leave without pay up to 17th August 1879.
123	Oct. 14, 1872	April 1, 1875	2 9 8	Eastern Frontier Series, Moulmein ...	Exclusive of one month's leave on medical certificate.
124	Nov. 15, 1872	July 13, 1878	8 5 0	Hanthawaddy Dist. [Cadastral] Survey, British Burma.	Also receives Rs. 100 Burma allowance. Apprentice, from 1st Feb. to 14th November 1872.
125	Nov. 16, 1872	Aug. 1, 1878	4 0 17	Banda, &c., Districts [Cadastral] Survey, N. W. P.	
126	Nov. 16, 1872	Dec. 16, 1878	4 3 16	Jaunpur District [Cadastral] Survey, N. W. P.	Sick leave for 4 months, from 1st September to 31st December 1876.
127	Nov. 22, 1872	Aug. 1, 1875	6 2 24	Kattywar and Cutch Survey, Poona.	
128	May 5, 1873	.....	2 5 26	On half-pay list, from 8th Nov. 1879 ...	Exclusive of leave without pay, from 17th April 1879 to 31st December 1879.
129	April 16, 1873	April 1, 1879	6 11 6	North Deccan Survey, Bombay ...	Also receives Rs. 9-9-7 local allowance. Apprentice, from 1st April 1872 to 15th April 1879.
130	Aug. 1, 1873	June 15, 1879	5 2 2	Eastern Frontier Series, Moulmein ...	Also receives Rs. 40 Burma allowance.
131	Aug. 11, 1873	July 8, 1879	4 8 0	Khandesh and Bombay Native States Topogl. Survey.	Previous service as Sub-Surveyor from 1st Nov. 1872.
132	Aug. 11, 1873	Nov. 1, 1879	2 7 6	Mysore Topogl. Survey ...	Exclusive of 8 months' sick leave.
133	Aug. 11, 1873	Jan. 1, 1880	5 0 6	Bhopal and Malwa Topogl. Survey ...	Previous service as Apprentice, from 1st Oct. 1872.
134	Aug. 11, 1873	April 1, 1880	4 2 9	South Deccan Survey, Bombay ...	Also receives Rs. 9-9-7 local allowance.
135	Oct. 6, 1873	June 11, 1880	4 0 9	Darjeeling Survey ...	Also receives Rs. 40 local allowance. Exclusive of 49 days' leave on medical certificate, from 2nd July to 18th August 1878.
136	Nov. 1, 1873	.....	3 6 23	Dehra Ismael Khan, &c., Districts Survey, Punjab.	
137	Nov. 20, 1873	Oct. 22, 1879	5 11 17	On Field Service ...	Also receives Rs. 50 local allowance; exclusive of leave without pay, from 21st March to 13th Nov. 1878.
138	May 9, 1874	.....	3 6 6	Kattywar and Cutch Survey, Poona.	
139	June 1, 1874	.....	4 1 27	Ditto, ditto	
140	July 24, 1874	.....	4 8 19	Jaunpur District [Cadastral] Survey, N. W. P.	Sick leave from 6th to 22nd February 1879.
141	Sept. 1, 1874	.....	3 10 23	Guzerat Survey, Poona.	
142	Oct. 12, 1874	.....	2 1 12	Ditto, ditto.	

* General List of the Officers of the Junior or Subordinate Department

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.
143	Mr. Duncan Campbell ... [Topogl.]	...	27 7 13	Assistant Surveyor ...	4th grade ...	120 0 0
144	„ Thomas J. Campbell ... [Rev.]	...	23 5 16	Ditto ...	Ditto ...	120 0 0
145	„ R. F. Warwick ... [G. T. S.]	L. S.	25 3 6	Ditto ...	Ditto ...	120 0 0
146	„ L. F. Berkeley ... [Rev.]	...	25 10 3	Ditto ...	Ditto ...	120 0 0
147	„ J. M. Kennedy ... [G. T. S.]	...	23 7 28	Ditto ...	Ditto ...	120 0 0
148	„ G. P. Tate ... [Topogl.]	...	23 11 9	Proby. Assistant Surveyor	Ditto ...	120 0 0
149	„ P. C. H. Smart ... [Rev.]	...	24 4 2	Ditto ...	Ditto ...	120 0 0
150	„ C. George ... [Topogl.]	...	27 6 24	Ditto ...	Ditto ...	120 0 0
151	„ J. C. Kelly ... [Rev.]	...	22 8 23	Ditto ...	Ditto ...	120 0 0
152	„ A. George ... [G. T. S.]	...	25 5 18	Ditto ...	Ditto ...	120 0 0
153	„ R. W. Senior ... [G. T. S.]	L. S.	19 7 18	Ditto ...	Ditto ...	120 0 0
154	„ W. H. D. Ewing ... [Rev.]	...	22 10 7	Ditto ...	Ditto ...	120 0 0

of the Survey of India as it stood on the 1st July 1880—concluded.

8	9	10	11	12
General Seniority Number.	Date of first appointment to the Department.	Date of appointment to present grade.	Period of service counting for pension on 1st July 1880.	REMARKS.
			Y. M. D.	
143	Nov. 1, 1874	...	5 7 13	Khasi and Garo Hills Topogl. Survey Also receives Rs. 40 Assam allowance. Joined as a Sub-Surveyor on 3rd July 1872.
144	May 1, 1875	...	1 5 16	Detached under Settlement Officer, Cachar District, Assam. Also receives Rs. 40 Assam allowance.
145	July 2, 1875	...	2 7 6	Mysore Topogl. Survey ... Exclusive of leave on medical certificate for 2 months, from 10th October to 8th December 1877. Also for 6 months, from 1st May to 31st October 1879.
146	Aug. 16, 1875	...	3 10 3	Ghazipur District [Cadastral] Survey, N. W. P.
147	Aug. 19, 1875	...	1 7 28	Mysore Topogl. Survey.
148	Mar. 12, 1878	...	1 11 9	Gwalior and Central India Topogl. Survey. Apprentice, from 1st March 1874.
149	Apl. 18, 1878	...	2 2 13	Banda, &c., Dists. [Cadastral] Survey, N. W. P.
150	Sept. 5, 1878	...	5 6 24	Khandesh and Bombay Native States [Topogl.] Survey. Previous service as Sub-Surveyor, from 16th August 1874.
151	Oct. 11, 1878	...	0 8 23	Dehra Ismael Khan, &c., Dists. Survey, Punjab.
152	Oct. 15, 1878	...	1 8 17	Guzerat Survey, Poona ... Exclusive of previous service as Sub-Surveyor.
153	Dec. 21, 1878	...	...	Rajputana Topogl. Survey.
154	Apl. 15, 1878	...	0 9 3	Ghazipur Dist. [Cadastral] Survey, N. W. P.

Disposition List of the Officers of the Survey

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual Cost of Party.
		Sub-Surveyors.	Writers.	Chainmen and Flagmen.	Native Doctors.	Barkundazes.	Havildars.	
		No.	No.	No.	No.	No.	No.	Rs.
	<i>Madras Party.</i> On the South-East Coast of the Peninsula between Madras and Cape Comorin; recess quarters at Bangalore ...	...	...	56	1	17	...	...
	<i>Eastern Frontier Series.</i> British Burma; recess quarters at Moulmein ...	...	1	78	2	27	...	...
	<i>Burma Party.</i> British Burma; recess quarters at Moulmein ...	...	1	61	1	7	...	...
	<i>Darjeeling Survey.</i> Special Survey Operations in and around Darjeeling; recess quarters at Darjeeling ...	...	1	54	1	12	...	...
	<i>Bombay Party.</i> In advancing the triangulation to Quetta; recess quarters at Dehra Dün ...	...	...	50	1	14	...	...
	<i>Kattywar and Cutch Survey.</i> The Province of Kattywar and Cutch, Bombay Presidency; recess quarters at Poona ...	11	1	145	1	27	...	...
	<i>Guzerat Survey.</i> Guzerat; recess quarters at Poona ...	20	4	184	1	33	1	...

of India as it stood on the 1st July 1880.

Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
Lt.-Col. B. R. Branfill, B.C. Mr. C. D. Potter ...	6 82	Depy. Supdt., 2nd grade Asst. Surveyor, 1st grade.	June 1, 1877.	
Capt. J. Hill, B.E. Mr. J. Low ... " J. O. Hughes ... " J. F. McCarthy ...	35 18 123 130	Asst. Supdt., 1st grade. Offg. Depy. Supdt., 3rd grade. Surveyor, 2nd grade. Asst. Surveyor, 3rd grade. Ditto, 3rd grade.	Dec. 25, 1879.	
Capt. J. Hill, B.E.	35	Asst. Supdt., 1st grade. Offg. Depy. Supdt., 3rd grade.		
Lieut. H. J. Harman, B.E. Mr. W. O'Sullivan ... " W. Robert ... " D. J. Collins...	54 52 106 135	Asst. Supdt., 3rd grade. Offg. in 2nd grade. Surveyor, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 3rd grade.	Oct. 6, 1874.	
J. B. N. Hennessy, Esq., M.A., F.R.S. Mr. W. C. Price ... " C. P. Torrens ...	4 56 103	Depy. Supdt., 1st grade Surveyor, 4th grade. Asst. Surveyor, 2nd grade.	Apl. 17, 1880.	Offg. in charge.
Major A. Pullan, s.c. J. McGill, Esq. Mr. N. C. Gwynne ... " W. Fielding ... " G. T. Hall ... " P. F. Prunty ... " J. Keating ...	21 48 54 95 127 138 139	Depy. Supdt., 3rd grade Asst. Supdt., 2nd grade. Offg. in 1st grade. Surveyor, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade.	Apl. 26, 1879.	
Lieut.-Col. C. T. Haig, B.E. Mr. A. D'Souza ... " A. Christie ... " C. H. McA. Feo ... " C. Tapsell ... " J. Bond ... " S. F. Norman ... " C. Norman ... " A. George ...	8 12 49 66 65 81 141 142 152	Depy. Supdt., 2nd grade. Offg. 1st grade. Surveyor, 1st grade. Ditto, 4th grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto, 1st grade. Ditto, 4th grade. Ditto, 4th grade. Proby. Asst. Surveyor, 4th grade.	Oct. 5, 1878.	

Disposition List of the Officers of the Survey

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.					Annual cost of Party.
		Sub-Surveyors and Computers.	Writers.	Chainmen and Flagmen.	Native Doctors.	Burkundazes.		Jemadars.
	<i>No. 1 Astronomical Party.</i>	No.	No.	No.	No.	No.	Rs.
	Carrying on Electric Determinations of Longitude in India; recess quarters at Poona.	...	...	24	...	3	...
	<i>No. 2 Astronomical Party.</i>	...	1	10	...	3	...
	Carrying on Electric Determinations of Longitude in India; recess quarters at Poona.	...	1	10	...	3	...
	<i>Tidal and Levelling Operations.</i>						
	Tidal Operations at various ports in India and Burma, also at Aden and Port Blair.	16	1	25	...	10	...
	Levelling Operations in Bombay Presidency; recess quarters at Poona.	...	...	...	...	...	...

of India as it stood on the 1st July 1880—continued.

Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assum- ing charge.	REMARKS.
Captain W. J. Heaviside, R. E.,	28	Depy. Supdt., 3rd grade.		
Lieut.-Col. W. M. Campbell, R. E.,	22	Depy. Supdt., 2nd grade.		
Captain A. W. Baird, R. E. ...	43	Asst. Supdt., 1st grade ...	July 2, 1877.	
W. G. Beverley, Esq. ...	50	Ditto, 3rd grade. Offg. in 2nd grade.		
Mr. G. Belcham ...	41	Surveyor, 4th grade.		
" T. H. Rendell ...	69	Assistant Surveyor, 1st grade.		
" E. J. Connor ...	74	Ditto, 1st grade.		

Disposition List of the Officers of the Survey

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Barkundazes.	Apothecary.	
		No.	No.	No.	No.	No.	No.	Rs.
1	<i>No. 1 Topographical Party.</i> Native States in Rajputana Agency, Oodeypur and Sirobi. Recess quarters at Mussoorie.	5	...	135	1	20	...	62,260
2	<i>No. 2 Topographical Party.</i> Khandesh and Bombay Native States. Recess quarters at Poona.	9	1	133	1	12	...	54,000
5	<i>No. 5 Topographical Party.</i> Sehore, Agar, Indore, Bhopawar, Agencies of Central India Agency. Recess quarters at Mussoorie.	5	...	140	1	8	...	54,000

of India as it stood on the 1st July 1880—continued.

Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assuming charge.	REMARKS.
Major E. H. Steel, s. c. (in charge).	38	Asst. Supdt., 2nd grade. Offg. in 1st grade.	Oct. 20, 1879.	
Mr. W. J. Cornelius ...	79	Asst. Surveyor, 1st grade.		
" P. J. W. Doran ...	85	Ditto, 2nd grade.		
" C. T. Templeton ...	110	Ditto, 3rd grade.		
" A. Kitchen ...	121	Ditto, 3rd grade.		
" G. P. Tate ...	148	Proby. Asst. Surveyor, 4th grade.		
Captain W. J. Heaviside, B. E. (in charge).	28	Depy. Supdt., 3rd grade ...	Oct. 24, 1879.	
Mr. A. G. Wyatt ...	38	Surveyor, 4th grade.		
" J. A. Barker ...	77	Asst. Surveyor, 1st grade.		
" F. E. Warde ...	109	Ditto, 2nd grade.		
" G. Vander Beck ...	119	Ditto, 3rd grade.		
" E. Graham ...	131	Ditto, 3rd grade.		
" C. George ...	150	Proby. Asst. Surveyor, 4th grade.		
Major J. R. Wilmer, s. c. (in charge).	46	Asst. Supdt., 2nd grade. Offg. in 1st grade.	Oct. 12, 1874.	
Mr. D. Atkinson ...	15	Surveyor, 2nd grade.		
" C. F. Hamer ...	48	Ditto, 4th grade.		
" E. A. Wainright ...	75	Asst. Surveyor, 1st grade.		
" H. T. Kitchen ...	90	Ditto, 2nd grade.		
" W. H. Lilley ...	94	Ditto, 2nd grade.		
" G. R. Copping ...	133	Ditto, 3rd grade.		

Disposition List of the Officers of the Survey

Number of Party.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party.
		Sub-Surveyors.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.	Apothecary.	
6	No. 6 Topographical Party. Naga Hills on the Eastern Frontier, Assam. Recess quarters at Shillong.	No. 6	No. 1	No. 137	No. 1	No. 9	No. ...	Ra. 68,000
7	No. 7 Topographical Party. Meywar, Marwar, Godwar, Shabpura, Mhairwara, and Ajmere, in the Rajputana Agency, and at Simla. Recess quarters at Simla.	6	1	130	1	4	...	60,000
8	Nos. 8 and 9 Topographical Parties. Mysore. Recess quarters at Bangalore	10	1	200	1	46	...	72,000

of India as it stood on the 1st July 1880—continued.

Officer in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assum- ing charge.	REMARKS.
Major W. F. Badgley, s. c. (in charge). Mr. A. W. Chennell ... " J. McCay ... " A. W. Smart ... " D. Campbell ...	26 63 113 118 143	Aest. Supdt., 1st grade, Offg. Deputy Supdt., 3rd grade. Surveyor, 4th grade. Assistant Surveyor, 3rd grade. Ditto, 3rd grade. Ditto, 4th grade.	Aug. 11, 1873.	
Lieut.-Col. G. C. Depree, s. c. (in charge). Mr. G. A. McGill ... " E. S. P. Atkinson ... " J. H. Wilson ... " W. C. G. Barckley ... " R. W. Senior ...	5 7 37 92 117 153	Depy. Supdt., 1st grade ... Surveyor, 2nd grade. Ditto, 4th grade. Asst. Surveyor, 2nd grade. Ditto, 3rd grade. Proby. Asst. Surveyor, 4th grade.	Nov. 1, 1877.	
Captain G. Strahan, R. E. (in charge). Captain J. R. McCullagh, R. E. ... Mr. R. W. Chew ... " L. J. Pocock ... " A. J. James ... " F. Kitchen ... " W. Stotesbury ... " Hugh Todd ... " G. L. Fleming ... " R. F. Warwick ... " J. M. Kennedy ...	16 45 17 47 64 67 68 76 132 145 147	Depy. Supdt., 2nd grade ... Asst. Supdt., 2nd grade. Offg. in 1st grade. Surveyor, 2nd grade. Ditto, 4th grade. Asst. Surveyor, 1st grade. Ditto, 1st grade. Ditto, 1st grade. Ditto, 1st grade. Ditto, 3rd grade. Ditto, 4th grade. Ditto, 4th grade.	Nov. 1, 1879.	

Disposition List of the Officers of the Survey

of India as it stood on the 1st July 1880—continued.

Number of Party, Revenue Branch.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party.
		Sub-Surveyors, &c.	Writers.	Levellers.	Tindals, Measur- ers, &c.	Hospital Assist- ant.	Burkundazes.	
		No.	No.	No.	No.	No.	No.	Rs.
1	Dehra Ismael Khan and Rawal Pindi Districts, Punjab ... Recess quarters at Murree.	22	1	...	188	1	15	.....
2	Hanthawaddy District, British Burma ... Recess quarters at Rangoon.	21	1	1	129	1	12	.....
3	Meerut District, North-Western Provinces ... Recess quarters at Mussoorie.	33	1	...	225	1	16	.....
4	Ghazipur District, North-Western Provinces ... Recess quarters at Naini Tal.	30	1	...	197	1	17	.....
5	Banda and Mirzapur Districts, North-Western Provinces ... Recess quarters at Naini Tal.	22	1	...	274	1	13	.....
6	Jaunpur District, North-Western Provinces ... Recess quarters at Hazaribaugh.	26	1	...	218	1	13	.....

Officers in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	Date of assum- ing charge.	REMARKS.
Lieut.-Colonel D. MacDonald, s.c. (in charge).	12	Depy. Supdt., 2nd grade	Dec. 6, 1879.	
Captain H. Lees Smith, s.c., M. A., LL. B.	29	Asst. Supdt., 1st grade.		
Mr. W. S. Buttress...	28	Surveyor, 3rd grade.		
" G. B. Scott ...	44	Ditto, 3rd grade.		
" A. J. Gibson ...	36	Ditto, 4th grade.		
" R. Todd ...	57	Asst. Surveyor, 1st grade.		
" P. A. Peters ...	136	Ditto, 4th grade.		
" J. C. Kelly ...	151	Proby. Asst. Surveyor, 4th grade.		
Captain J. E. Sandeman, s.c. (in charge).	25	Depy. Supdt., 3rd grade	Dec. 1, 1878.	
Mr. F. Grant ...	14	Surveyor, 2nd grade.		
" H. Dowman ...	40	Ditto, 4th grade.		
" C. A. R. Scanlan ...	51	Ditto, 4th grade.		
" D. A. King ...	62	Asst. Surveyor, 1st grade.		
" J. McHatton ...	87	Ditto, 2nd grade.		
" J. Murphy ...	101	Ditto, 3rd grade.		
" G. E. Parker ...	112	Ditto, 3rd grade.		
" B. M. Wilson ...	124	Ditto, 3rd grade.		
Major W. H. Wilkins, s.c. (in charge).	23	Depy. Supdt., 3rd grade	Dec. 1, 1877.	
E. C. Ryall, Esq. ...	55	Asst. Supdt., 3rd grade. Ofg. in 2nd grade.		
Mr. J. Todd ...	59	Surveyor, 3rd grade.		
" R. C. D. Ewing ...	78	Asst. Surveyor, 1st grade.		
" C. W. Wilson ...	86	Ditto, 2nd grade.		
" C. W. F. Seyers ...	70	Ditto, 2nd grade.		
Major W. Barron, s.c. (in charge).	15	Depy. Supdt., 3rd grade	Nov. 12, 1873.	
Mr. W. A. Wilson ...	35	Surveyor, 3rd grade.		
" H. T. Hauby ...	42	Ditto, 4th grade.		
" S. O. Madras ...	98	Asst. Surveyor, 2nd grade.		
" W. D. Corbett ...	102	Ditto, 2nd grade.		
" L. F. Berkeley ...	146	Ditto, 4th grade.		
" W. H. D. Ewing ...	154	Proby. Asst. Surveyor, 4th grade.		
Colonel F. C. Anderson, s.c. (in charge).	1	Depy. Supdt., 1st grade	Nov. 1, 1871.	
Mr. C. W. Campbell ...	5	Surveyor, 1st grade.		
" E. Little ...	25	Ditto, 4th grade.		
" R. B. Smart, Jr. ...	61	Asst. Surveyor, 1st grade.		
" E. P. S. Hill ...	125	Ditto, 3rd grade.		
" P. C. H. Smart ...	149	Proby. Asst. Surveyor, 4th grade.		
E. T. S. Johnson, Esq. (in charge)	19	Depy. Supdt., 3rd grade	Oct. 1, 1872.	
Mr. P. A. G. Cowley ...	23	Surveyor, 2nd grade.		
" J. S. Pemberton ...	33	Ditto, 3rd grade.		
" J. H. O'Donel ...	53	Ditto, 4th grade.		
" E. J. Martin ...	89	Asst. Surveyor, 2nd grade.		
" J. S. Swiney ...	104	Ditto, 2nd grade.		
" E. H. S. Gasper ...	126	Ditto, 3rd grade.		
" C. S. Kraal ...	140	Ditto, 4th grade.		

Disposition List of the Officers of the Survey

Number of Party, Revenue Branch.	WHERE EMPLOYED.	STRENGTH OF LOWER SUBORDINATE ESTABLISHMENT IN ALL GRADES.						Annual cost of Party.
		Sub-Surveyors, &c.	Writers.	Levellers.	Tindals, Measur- ers, &c.	Hospital Assist- ant.	Burkundazes.	
7	Khorda Estate, Pooree District, Orissa, Bengal ... Recess quarters at Cutlack.	No. 15	No. 1	No. ...	No. 131	No. 1	No. 13	Rs.
8	Bassein District, British Burma ... Recess quarters at Bassein.	24	1	...	121	1	17	.....
10	North Deccan Districts, Ahmednagar, Poona, and the Konkan, Bombay Presidency. Recess quarters at Poona.	17	1	...	150	1	14	.....
11	South Deccan Districts, Sholapur, Satara, and the Konkan, Bombay Presidency. Recess quarters at Poona.	19	1	...	167	1	7

of India as it stood on the 1st July 1880—concluded.

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Col J Macdonald

Officers in charge, Surveyors and Assistant Surveyors.	Number in General Lists.	Rank and Grade.	BRS.
J. Campbell, Esq. (in temporary charge) ...	27	Asst. Supdt., 1st grade	... Oct. 10, 1879.
Mr. W. R. Vyall ...	13	Surveyor, 4th grade.	
" T. H. Dunne ...	72	Asst. Surveyor, 1st grade.	
" G. W. Jarbo ...	83	Ditto, 1st grade.	
" J. R. Scott ...	84	Ditto, 2nd grade.	
Major D. C. Andrew, s. c. (in charge) ...	20	Depy. Supdt., 3rd grade	... Nov. 1, 1879.
E. C. Barrett, Esq. ...	44	Asst. Supdt., 2nd grade.	
Mr. H. R. Littlewood ...	34	Surveyor, 3rd grade.	
" P. Ford ...	58	Asst. Surveyor, 1st grade.	
" G. Campbell ...	60	Ditto, 3rd grade.	
" C. W. J. Ford ...	116	Ditto, 3rd grade.	
Colonel J. Macdonald, s. c. (in charge) ...	2	Depy. Supdt., 2nd grade	... May 6, 1879.
Mr. A. M. Lawson ...	43	Surveyor, 3rd grade.	
" J. Newland ...	55	Asst. Surveyor, 1st grade.	
" W. M. Kelly ...	120	Ditto, 3rd grade.	
" R. R. Dickinson ...	129	Ditto, 3rd grade.	
Major H. S. Hutchinson, s. c. (in charge) ...	39	Asst. Supdt., 2nd grade. Offg. in 1st grade	Oct. 27, 1878.
Mr. S. M. Smylie ...	27	Surveyor, 3rd grade.	
" J. Hickio ...	93	Asst. Surveyor, 2nd grade.	
" G. C. Swiney ...	100	Ditto, 2nd grade.	
" W. H. Penrose ...	107	Ditto, 2nd grade.	
" G. A. Knight ...	134	Ditto, 3rd grade.	

Classified List of Officers of the Mysore Revenue

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Duty in which at present employed.
1	2	3	4
1	The Honourable Colonel W. C. Anderson...	Survey and Settlement Commissioner	Survey and Settlement Commissioner
1	Major J. P. Grant ...	Superintendent	Superintendent
1	" J. W. M. Anderson ...	Deputy Superintendent	.....
<i>1st Grade.</i>			
1	Major J. Rutherford ...	Assistant Superintendent	Offg. Deputy Superintendent
2	" G. Mackenzie ...	Ditto	Assistant Superintendent
3	Captain J. B. Lawrence ...	Ditto	Ditto
4	Mr. E. H. Butcher ...	Ditto	Ditto
5	Captain R. L. Price ...	Ditto	Ditto
6	Mr. J. P. Barker ...	Ditto	Ditto
7	Captain A. H. Macintire ...	Ditto	Ditto
8	Mr. G. F. Meiklejohn ...	Ditto	Ditto
<i>2nd Grade.</i>			
1	Captain D. Cowie ...	Assistant Superintendent	Assistant Superintendent
2	Mr. W. E. A. James ...	Ditto	Ditto
3	" F. B. Clerk ...	Ditto	Ditto
4	Captain A. McCally ...	Ditto	Ditto
<i>4th Grade.</i>			
1	Mr. A. G. Hudson ...	Assistant Superintendent	Assistant Superintendent
2	" E. W. Laseron ...	Ditto	Ditto

General List of Officers of the Mysore Revenue

Genl. Seniority Number.	NAMES.	Passed in the Vernacular.	Age on 1st July 1880.	Rank.	Grade.	Salary.
1	2	3	4	5	6	7
1	The Honourable Col. W. C. Anderson	All have passed in the Vernacular.	Y. M. D.	Survey and Settlement Commissioner	...	500 0 0
2	Major J. P. Grant		57 11 5	Superintendent	...	1,340 14 0
3	" J. W. M. Anderson		42 3 0	Deputy Superintendent	...	860 0 0
4	" J. Rutherford		42 8 10	Assistant Superintendent	1st grade	860 0 0
5	Mr. E. H. Butcher		38 5 22	Ditto	Ditto	660 0 0
6	" J. P. Barker		44 0 2	Ditto	Ditto	660 0 0
7	" G. F. Meiklejohn		32 9 16	Ditto	Ditto	660 0 0
8	" W. E. A. James		32 2 0	Ditto	Ditto	660 0 0
9	" F. B. Clerk		38 0 25	Ditto	2nd grade	560 0 0
10	Captain J. B. Lawrence		35 10 13	Ditto	Ditto	560 0 0
11	" A. H. Macintire		38 8 3	Ditto	1st grade	660 0 0
12	" D. Cowie		32 4 11	Ditto	Ditto	660 0 0
13	" A. McCally		39 6 15	Ditto	2nd grade	560 0 0
14	" R. L. Price		36 7 24	Ditto	Ditto	560 0 0
15	Major G. Mackenzie		37 6 20	Ditto	1st grade	660 0 0
16	Mr. A. G. Hudson		38 11 28	Ditto	Ditto	660 0 0
17	" E. W. Laseron		22 2 2	Ditto	4th grade	355 0 0
		36 2 7	Ditto	Ditto	355 0 0	

Survey Department as it stood on the 1st July 1880.

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	
		Rs. As. P.	Rs. As. P.	
.....	500 0 0	.....
.....	1,565 14 0	.....
.....	995 0 0	.....	On furlough to Europe, from 29th March 1879.
.....	995 0 0	.....
.....	795 0 0	.....	Returned from furlough on the 15th May 1880.
.....	795 0 0	795 0 0	
.....	795 0 0	795 0 0	
.....	795 0 0	795 0 0	On furlough to Europe, from 16th September 1879.
.....	695 0 0	.....
.....	695 0 0	695 0 0	On furlough to Europe on medical certificate, from 25th May 1880.
.....	695 0 0	695 0 0	
.....	695 0 0	.....
.....	460 0 0	
.....	460 0 0	

Survey Department on the 1st July 1880.

8	9	10	11	12	13
Date of appointment to present grade.	Date of first appointment to the Department.	Period of appointment to present grade.	*Period of service counting for pension.	Present Post.	REMARKS.
			Y. M. D.		
.....	Sept. 28, 1863	Sept. 28, 1863	.....	Survey and Settlement Commissioner.	
.....	Nov. 1, 1863	Jan. 15, 1868	.....	Superintendent.	
.....	Nov. 27, 1863	Nov. 1, 1869	.....	Deputy Superintendent	On furlough to Europe, from 29th March 1879.
.....	Feb. 1, 1865	July 8, 1877	.....	Officiating Deputy Superintendent.	
.....	Oct. 2, 1865	Mar. 26, 1876	14 8 29	Assistant Superintendent.	
.....	Dec. 22, 1866	Dec. 5, 1878	10 9 2	Ditto.	
.....	Nov. 30, 1867	June 1, 1879	9 5 23	Ditto	On furlough to Europe, from 10th September 1879.
.....	Dec. 1, 1867	June 8, 1876	11 1 9	Ditto	
.....	Jan. 16, 1868	Nov. 26, 1875	12 7 15	Ditto	
.....	Jan. 15, 1869	Mar. 10, 1876	.....	Ditto	
.....	Dec. 6, 1869	Jan. 8, 1879	.....	Ditto	
.....	Dec. 3, 1870	Dec. 2, 1874	.....	Ditto	On furlough on medical certificate to Europe, from 25th May 1879.
.....	Jan. 18, 1872	May 1, 1878	.....	Ditto	
.....	Nov. 1, 1872	Aug. 1, 1878	.....	Ditto	
.....	Oct. 31, 1873	Nov. 1, 1873	.....	Ditto	Returned from furlough on the 16th May 1880.
.....	Nov. 23, 1876	Oct. 25, 1877	.....	Ditto	
.....	Mar. 22, 1877	May 24, 1878	11 2 0	Ditto	

NOTE.—In this list the officers have been arranged according to their length of service in the Department, the officer who has been longest in the Department, standing first on the list. Their dates of first appointment to the Department (column 9), and period of service counting for pension (column 11)

the Uncovenanted Civil Service Rules. Their dates of first appointment to the Department (column 9), and period have been arranged in consecutive order.

Disposition List of Officers of the Mysore Revenue

Number of Party.	Where employed.	STRENGTH OF SUBORDINATE ESTABLISHMENTS IN ALL GRADES.						Annual cost of Party, from 1st July 1879 to 1st July 1880.
		Sub-Surveyors.	English Clerks.	Karkoons.	Learners.	Mappers.	Peons.	
		3	4	5	6	7	8	
1	2	No.	No.	No.	No.	No.	No.	Rs.
1	Mysore and Bombay Provinces ...	...	...	...	...	...	...	8,630
2	Mysore Province ...	4	1	1	...	...	2	44,988
3	Ditto ...	...	3	75	...	27	9	19,902
	TOTAL ...	4	6	84	...	27	15	73,520
<i>Measuring Establishments.</i>								
1	Kolar District ...	28	...	2	6	...	2	17,326
2	Hassan ditto ...	28	...	2	10	...	2	17,237
3	Kolar ditto ...	25	...	2	5	...	2	15,476
4	Ditto ditto ...	19	...	2	6	...	2	14,677
5	Hassan and Mysore Districts ...	38	...	3	10	...	3	19,820
6	Tumkur District ...	25	...	2	3	...	2	14,047
7	Hassan ditto ...	24	...	2	4	...	2	11,914
8	...	...	...	...	...	...	...	5,997
9	...	...	...	...	...	...	...	6,096
	TOTAL ...	187	...	15	44	...	15	1,22,590
<i>Classing Establishments.</i>								
1	Bangalore and Tumkur Districts ...	13	...	1	7	...	2	12,925
2	Kadur and Tumkur ditto ...	13	...	1	4	...	2	13,936
3	Ditto ditto ...	11	...	1	6	...	2	13,318
	TOTAL ...	37	...	3	17	...	6	40,179
15	GRAND TOTAL ...	228	6	102	61	27	36	2,36,289

Survey Department as it stood on the 1st July 1880.

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. 29, 1863	
Major J. P. Grant	2	Superintendent	Jan. 15, 1868	
" J. Rutherford	4	Offg. Deputy Superintendent	July 8, 1877	
Mr. J. P. Barker	A. ... 6	Assistant Superintendent, 1st grade ...	Aug. 18, 1878	
Captain J. B. Lawrence	B. ... 10	Ditto, 1st do. ...	Oct. 23, 1870	
Mr. F. B. Clerk	D. ... 9	Ditto, 2nd do. ...	Nov. 26, 1869	
Captain A. McCally	F. ... 13	Ditto, 2nd do. ...	May 2, 1879	
" A. H. Macintire	G. ... 11	Ditto, 1st do. ...	Nov. 1, 1879	
Mr. E. W. Laseron	H. ... 17	Ditto, 4th do. ...	Nov. 1, 1878	
" A. G. Hudson	L. ... 16	Ditto, 4th do. ...	Jan. 1, 1878	
.....	I. ...	...	...
.....	K. ...	...	...
Mr. W. E. A. James	C. ... 8	Assistant Superintendent, 2nd grade ...	July 27, 1879	
" E. H. Butcher	E. ... 5	Ditto, 1st do. ...	Jan. 26, 1867	
Captain R. L. Price	M. ... 14	Ditto, 1st do. ...	Nov. 1, 1879	

} These two establishments have been absorbed since Nov. 1879.

Classified List of the Officers of the Geological

No. of Officers in each grade.	NAMES.	Substantive Appointment.	Duty on which at present engaged.
1	H. B. Medicott, A. M., F. R. S., F. G. S. 1st Grade, Rs. 700, rising to Rs. 1,000.	Superintendent, Geological Survey...	Office ...
1	W. T. Blanford, A. B. S. M., F. R. S., F. G. S.	Senior Depy. Supdt. for Bombay ...	On furlough
2	William Theobald ...	Deputy Superintendent for Bengal	Punjab
3	William King, A. B. ...	Ditto for Madras	Godaveri Valley
4	R. B. Foote, F. G. S. 2nd Grade, Rs. 500, rising to Rs. 700.	Assistant, Geological Survey ...	On furlough
1	A. B. Wynne, F. G. S. ...	Assistant, Geological Survey ...	On furlough
2	F. R. Mallet, F. G. S. ...	Ditto ...	Ditto
3	Theo. W. H. Hughes, A. B. S. M., F. G. S. ...	Ditto ...	South Rewah
4	V. Ball, A. M., F. G. S. ...	Ditto ...	On furlough
6	F. Fedden, A. B. S. M., F. G. S. 3rd Grade, Rs. 350, rising to Rs. 500.	Ditto ...	Office ...
1	C. A. Hacket ...	Assistant, Geological Survey ...	Rajputana
2	R. Lydekker, A. B. ...	Ditto ...	Himalayas
3	C. L. Griesbach, F. G. S. ...	Ditto ...	Afghanistan
4	R. D. Oldham, A. B. S. M. ...	Ditto ...	Office ...
5	Vacant ...	Ditto ...	...
6	Ditto ...	Ditto ...	...
<i>Separately Graded.</i>			
	O. Feistmantel, M. D. ...	Palaeontologist, Geological Survey...	Office ...
<i>Non-graded Officers.</i>			
1	J. Schaumburg ...	Artist ...	Office ...
2	W. R. Bion ...	Registrar ...	Ditto ...
3	Kissen Singh ...	Sub-Assistant, Geological Survey ...	Ditto ...
4	Hira Lall ...	Ditto ...	Ditto ...

General List of the Officers of the Geological

Genl. Seniority Number.	NAMES.	Passed in Vernacular.	Age.	Rank.	Grade.	Salary.
			Y. M. D.			Rs.
1	W. Theobald ...	.....	51 2 14	Depy. Supdt., for Bengal	1st grade ...	1,100
2	H. B. Medicott, A. M., F. R. S., F. G. S.	.....	50 10 29	Supdt., Geological Survey	Separately graded.	1,800
3	W. T. Blanford, A. B. S. M., F. R. S., F. G. S.	.....	47 8 25	Senior Depy. Supdt. for Bombay	1st grade ...	1,400
4	William King, A. B. ...	.....	46 11 16	Depy. Supdt. for Madras	Ditto ...	1,100
5	R. B. Foote, F. G. S. ...	.....	45 9 9	Assistant, Geological Survey	Ditto ...	1,000
6	F. R. Mallet, F. G. S. ...	Oct. 5, 1868	39 4 19	Ditto ...	2nd grade...	700
7	F. Fedden, A. B. S. M., F. G. S. ...	Oct. 26, 1869	41 3 10	Ditto ...	Ditto ...	700
8	C. A. Hacket ...	Oct. 5, 1868	46 11 20	Ditto ...	3rd grade...	500
9	T. W. H. Hughes, A. B. S. M., F. G. S. ...	Aug. 3, 1868	36 10 30	Ditto ...	2nd grade...	700
10	A. B. Wynne, F. G. S. ...	Nov. 9, 1868	44 8 17	Ditto ...	Ditto ...	700
11	V. Ball, A. M., F. G. S. ...	Oct. 1, 1867	35 11 18	Ditto ...	Ditto ...	700
12	R. Lydekker, A. B. ...	Apr. 5, 1875	30 11 7	Ditto ...	3rd grade...	500
13	O. Feistmantel, M. D. ...	Oct. 4, 1875	31 7 10	Palaeontologist	Separately graded.	650
14	C. L. Griesbach, F. G. S. ...	Not passed ...	32 6 21	Assistant, Geological Survey ...	3rd grade ...	380
15	R. D. Oldham, A. B. S. M. ...	Ditto ...	21 11 2	Ditto ...	Ditto ...	380
<i>Non-graded Officers.</i>						
1	J. Schaumburg ...	.....	40 11 30	Artist	No grade ...	400
2	W. R. Bion ...	.....	28 0 15	Registrar	Ditto ...	260
3	Kissen Singh	30 4 6	Sub-Assistant	Ditto ...	160
4	Hira Lall	28 11 2	Ditto	Ditto ...	180

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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.	
1,800 0 0	200 0 0	.....	2,000 0 0	
* 1,400 0 0	140 0 0	.....	1,540 0 0	* Special personal pay.
1,000 0 0	130 0 0	100 0 0	1,230 0 0	
1,000 0 0	130 0 0	100 0 0	1,230 0 0	
1,000 0 0	130 0 0	.....	1,130 0 0	
700 0 0	130 0 0	.....	830 0 0	
700 0 0	130 0 0	.....	830 0 0	Acting in 1st grade, and as Depy. Supdt., vice Mr. W. T. Blanford.
700 0 0	130 0 0	.....	830 0 0	
700 0 0	130 0 0	.....	830 0 0	Offg. Curator, and acting in the 1st grade, vice Mr. R. D. Foote.
700 0 0	130 & 150 0 0	.....	980 0 0	
500 0 0	130 0 0	.....	630 0 0	Acting in 2nd grade, vice Mr. Theo. Hughes.
500 0 0	130 0 0	.....	630 0 0	Ditto do. Mr. V. Dall.
380 0 0	130 0 0	.....	510 0 0	Ditto do. Mr. F. Fedden.
350 0 0	130 0 0	480 0 0	
650 0 0	130 0 0	780 0 0	
400 0 0	400 0 0	
260 0 0	260 0 0	
160 0 0	160 0 0	
160 0 0	160 0 0	

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Date of first appointment to the Department.	Date of appointment to present grade or rank.	Period of service counting for pension.	Present post.	REMARKS.
		Y. M. D.		
Nov. —, 1848	Apr. 1, 1876	31 8 0	Punjab.	
Mar. 24, 1854	Apr. 1, 1876	26 3 8	Office.	
Oct. 1, 1855	Apr. 1, 1876	23 5 0	On furlough.	
Mar. 4, 1857	Apr. 21, 1875	23 9 28	Godaveri Valley.	
Sept. 28, 1858	Apr. 1, 1876	21 2 19	On furlough.	
Feb. 12, 1859	May 1, 1872	21 4 17	Ditto.	
Oct. 1, 1860	Mar. 24, 1878	17 0 16	Office.	
Nov. 15, 1861	May 1, 1866	17 4 16	Rajputana.	
Nov. 11, 1862	Apr. 21, 1875	14 3 28	South Rewah.	
Nov. 13, 1862	Mar. 31, 1869	14 8 27	On furlough.	
Oct. 29, 1864	Apr. 1, 1876	13 8 3	Ditto.	
Nov. 26, 1874	Nov. 26, 1874	5 7 5	Himalayas.	
Mar. 25, 1875	Mar. 10, 1877	5 3 7	Office.	
Nov. 11, 1878	Nov. 11, 1878	1 7 20	Afghanistan.	
Dec. 17, 1879	Dec. 17, 1879	0 6 15	Office.	
Apr. 12, 1869	July 7, 1874	11 2 19	Office.	
Dec. 12, 1870	Dec. 31, 1878	5 3 0	Ditto.	
Jan. 7, 1874	Apr. 1, 1879	6 5 25	Ditto.	
Jan. 7, 1874	Apr. 1, 1879	6 5 25	Ditto.	

Disposition List of the Officers of the Geological

Survey of India on the 1st July 1880.

NAMES OF OFFICERS.	Where employed.	No. in General List.	Rank and Grade.	Date of assuming charge.	STRENGTH OF SUBORDINATE ESTABLISHMENT OF ALL GRADES.						
					1st Grade.	2nd Grade.	3rd Grade.	Separately graded.	Non-graded Officers.	Office Establishment.	
					No.	No.	No.	No.	No.	Clerks & Peons.	Freemen & Servants.
H. B. Medlicott, A.M., F.R.S., F.G.S.	Office	2	Supdt., Geological Survey.	Mar. 24, 1854	4	5	4	2	4	12	24
<i>1st Grade.</i>											
W. T. Blanford, A. B. S. M., F. B. S., F. G. S.	On furlough	3	Senior Depy. Supdt., Bombay.	Oct. 1, 1855	...	...	...	...	...	...	...
William Theobald	Punjab	1	Depy. Supdt., Bengal.	Nov. —, 1848	...	...	...	...	...	...	...
William King, A. B.	Godaveri Valley	4	Dy. Supdt., Madras	Mar. 4, 1857	...	...	...	...	...	...	...
R. B. Foote, F.G.S.	On furlough	5	Asst., Geological Survey.	Sept. 28, 1858	...	...	...	...	...	...	...
<i>2nd Grade.</i>											
A. B. Wynne, F.G.S.	On furlough	10	Asst., Geological Survey.	Nov. 13, 1862	...	...	...	...	...	...	...
F. R. Mallet, F.G.S.	Ditto	6	Ditto	Feb. 12, 1859	...	...	...	...	...	...	...
T. W. H. Hughes, A.R.S.M., F.G.S.	South Rewah	9	Ditto	Nov. 11, 1862	...	...	...	...	...	...	...
V. Ball, A. M., F.G.S.	On furlough	11	Ditto	Oct. 29, 1864	...	...	...	...	...	...	...
F. Fedden, A. R. S. M., F. G. S.	Office	7	Ditto	Oct. 1, 1860	...	...	...	...	...	...	...
<i>3rd Grade.</i>											
C. A. Hackett	Rajputana	8	Asst., Geological Survey.	Nov. 15, 1861	...	...	...	...	...	...	...
R. Lydekker, A. B.	Himalayas	12	Ditto	Nov. 26, 1874	...	...	...	...	...	...	...
C. L. Griesbach, F.G.S.	Afghanistan	14	Ditto	Nov. 11, 1878	...	...	...	...	...	...	...
M. D. Oldham, A.R.S.M. 2 Vacancies.	Office	15	Ditto	Dec. 17, 1879	...	...	...	...	...	...	...
<i>Separately Graded.</i>											
O. Feistmantel, M. D.	Office	...	Paleontologist	Mar. 25, 1875	...	...	...	...	...	...	...
<i>Non-graded Officers.</i>											
J. Schaumburg	Office	1	Artist	April 12, 1869	...	...	...	...	...	...	...
W. R. Bion	Ditto	2	Registrar	Dec. 12, 1870	...	...	...	...	...	...	...
Kissen Singh	Ditto	3	Sub-Asst., Geological Survey.	Jan. 7, 1874	...	...	...	...	...	...	...
Hira Lall	Ditto	4	Ditto	Ditto	...	...	...	...	...	...	...

Where employed during last three years.	Annual cost (salary and travelling allowance of officers and their subordinates, if any).	REMARKS.	
		Rs. A. P.	Rs. A. P.
1876-77. Office and Satpura	Salary and allowance	24,000	0 0
1877-78. Office	Travelling do.	193	12 0
1878-79. Ditto.			
		24,193	12 0
1876-77. Office and Sind	Salary and allowance	13,657	9 0
1877-78. Office	Travelling do.		
1878-79. Ditto and furlough.			
		13,657	9 0
1876-77. Sub-Himalaya	Salary and allowance	15,318	13 11
1877-78. Ditto	Travelling do.	756	6 4
1878-79. Ditto.			
		16,075	4 3
1876-77. Godaveri District	Salary and allowance	14,985	0 0
1877-78. Ditto	Travelling do.	1,076	5 0
1878-79. Ditto	Hospital Assistant's pay, &c.	966	0 0
		17,027	5 0
1876-77. Kistna and Godaveri	Salary and allowance	6,201	4 6
1877-78. Godaveri & Trichinopoly	Travelling do.	380	3 6
1878-79. Trichinopoly, Madura & fur.	Hospital Assistant's pay, &c.	174	0 0
		6,755	8 0
1876-77. Rawal Pindi	Salary and allowance	12,526	2 0
1877-78. Upper Punjab	Travelling do.	572	0 0
1878-79. Ditto	Hospital Assistant's pay, &c.	596	13 0
		13,694	15 0
1876-77. Office	Salary and allowance	7,695	12 10
1877-78. Ditto and Kyook-Phyoo	Travelling do.		
1878-79. Office and furlough.			
		7,695	12 10
1876-77. Godaveri & Pranhita Valley	Salary and allowance	1,476	3 8
1877-78. Ditto and furlough	Travelling do.	321	3 0
1878-79. Furlough	Hospital Assistant's pay, &c.	94	8 0
		1,891	14 8
1876-77. Bastar and Jeypur.			
1877-78. Palamow Coal Field.			
1878-79. Ditto and furlough	On furlough.		
1876-77. Sind	Salary and allowance	10,857	4 0
1877-78. Kattywar	Travelling do.	864	11 0
1878-79. Ditto and furlough.			
		11,721	15 0
1876-77. Rajputana	Salary and allowance	10,117	8 0
1877-78. Ditto	Travelling do.	1,041	4 3
1878-79. Ditto.			
		11,158	12 3
1876-77. Himalaya	Salary and allowance	8,133	5 4
1877-78. Ditto	Travelling do.	1,199	12 0
1878-79. Office and Himalaya.			
		9,333	1 4
1878-79. Singujah and Himalaya	Salary and allowance	6,020	0 0
	Travelling do.	1,717	6 3
	Hospital Assistant's pay, &c.	326	3 6
		8,063	9 9
1878-79. Godaveri Valley	Salary and allowance		
		690	0 0
1876-77. Kurhurbali and Office	Salary and allowance	8,685	7 9
1877-78. Office and Satpura	Travelling do.		
1878-79. Office.			
		8,685	7 9
1876-77. Office	Salary		
1877-78. Ditto.			
1878-79. Ditto.			
		4,397	8 0
1876-77. Office	Salary		
1877-78. Ditto.			
1878-79. Ditto.			
		2,860	0 0
1876-77. Sub-Himalaya	Salary	1,600	0 0
1877-78. Ditto	Travelling allowance	357	0 11
1878-79. Office and Himalaya	Chapraasi do.	42	13 4
		1,999	14 3
1876-77. Sind	Salary	1,600	0 0
1877-78. Satpura and Office	Travelling allowance	286	14 7
1878-79. Office and Singujah	Chapraasi do.	93	1 0
		1,919	15 7

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