

LIST OF OFFICERS
IN
THE SURVEY OF INDIA DEPARTMENT

CORRECTED TO

1st JANUARY 1891.



CALCUTTA :
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA
1891.

CALCUTTA :
GOVERNMENT OF INDIA CENTRAL PRINTING OFFICE,
8, HASTINGS STREET.

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SURVEY OF INDIA DEPARTMENT.

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Classified List of Officers of the Senior Division, Survey of

No. sanctioned.	No. existing in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Age.	Date of appointment to the Department.	Date of appointment to the present grade or post.	* Period of service counting towards pension on 1st January 1892.
					Y. M. D.			Y. M. D.
		Administrative Staff.						
1	1	Col. H. R. Thuillier, B.E.	G. T. S.	PH.	52 9 5	May 21, 1859	Feb. 13, 1887	...
1	1	Col. J. Sconce, s.c.	Rev.	PH.	54 8 29	Oct. 21, 1859	Jan. 1, 1879	...
		Lt.-Col. C. Strahan, B.E.	...	...	...	...	Oct. 26, 1889	...
1	1	Col. G. Strahan, B.E.	Topogl.	PH.	51 10 24	July 2, 1862	Oct. 12, 1889	...
		W. H. Cole, M.A.	...	...	...	...	Oct. 27, 1890	...
1	1	Col. W. H. Wilkins, s.c.	...	...	...	...	Oct. 10, 1890	...
2	2	Col. J. Waterhouse, s.c.	...	...	...	...	Apr. 1, 1874	...
3	3	Lt.-Col. M. W. Rogers, B.E.	...	...	...	...	May 7, 1889	...
		SENIOR DIVISION.						
		Deputy Superintendents.						
		1st GRADE.						
		Salary Rs 1,600.						
1	1	Lt.-Col. C. Strahan, B.E.	Topogl.	...	47 7 25	Sep. 26, 1863	Apr. 26, 1889	...
2	2	Col. W. Barron, s.c.	Rev.	PH.	52 11 15	June 27, 1862	Oct. 1, 1890	...
3	3	Col. A. Pullan, s.c.	G. T. S.	PH.	54 9 0	Jan. 18, 1863	Dec. 10, 1890	...
		2nd GRADE.						
		Salary Rs 1,300.						
1	1	Col. W. H. Wilkins, s.c.	Rev.	PH.	49 2 26	April 27, 1863	Jan. 1, 1887	...
2	2	Lt.-Col. J. E. Sandeman, s.c.	Rev.	PH.	47 3 29	Oct. 6, 1864	Feb. 19, 1887	...
3	3	Lt.-Col. T. H. Holdich, B.E.	Topogl.	LS.	47 10 16	July 23, 1866	March 26, 1889	...
4	4	Col. J. Waterhouse, s.c.	Topogl.	PH.	48 5 8	July 23, 1866	Apr. 26, 1889	...
5	5	Lt.-Col. M. W. Rogers, B.E.	G. T. S.	LS.	48 10 26	July 30, 1866	June 28, 1889	...
6	6	Lt.-Col. J. Hill, B.E.	G. T. S.	...	50 0 7	Dec. 18, 1866	Oct. 1, 1890	...
7	7	W. H. Cole, M.A.	G. T. S.	HS.	53 0 16	Jan. 3, 1867A Sep. 1, 1867B	Oct. 31, 1890	22 10 20
8	8	Lt.-Col. J. R. McCullagh, B.E.	G. T. S.	LS.	48 9 5	Feb. 12, 1869	Dec. 10, 1890	...

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

India Department, as it stood on 1st January 1892

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
1	3,000 0 0	...	Surveyor-General of India	Calcutta.
1	...	...	Deputy Surveyor-General in charge Revenue Branch.	On furlough for 1 year and 163 days from 1st November 1890.
1	2,040 0 0	...	Assistant Surveyor-General, Offg. Deputy Surveyor-General in charge, Revenue Branch.	
1	2,000 0 0	...	Deputy Surveyor-General in charge Trigonometrical Branch, Dehra Dun.	On privilege leave for 3 months from 27th October 1890.
1	1,700 0 0	...	Offg. ditto ditto.	
1	1,600 0 0	(b) Presidency, R60	Offg. Asst. Surveyor-General	In charge, Engraving and Drawing Offices, Head-Quarters, Calcutta.
2	1,300 0 0	(a) Special local, R200	Assistant Surveyor-General	In charge Lithographic and Photographic Offices, Head-Quarters, Calcutta.
3	1,543 8 0	(b) Presidency, R60	Assistant Surveyor-General	In charge Surveyor General's and Mathematical Instrument Offices, Head-Quarters, Calcutta.
1	...	...	Head-Quarters, Calcutta	
2	...	...	...	On furlough for 1 year and 275 days from 20th February 1890. Extension for 3 months.
3	1,600 0 0	...	In charge No. 17 (Bombay Forests.)	
1	1,600 0 0	...	Head-Quarters, Calcutta	Officiating Deputy Superintendent, 1st Grade.
2	1,600 0 0	...	In charge No. 5 (N.-W. Provinces).	Officiating Deputy Superintendent, 1st Grade.
3	1,543 8 0	...	In charge No. 15 (Baluchistan) and Simla Drawing Office.	
4	...	...	Head-Quarters, Calcutta	
5	...	...	Head-Quarters, Calcutta	
6	1,543 8 0	(c) Deputation, R100	In charge No. 25 (Tidal and Levelling).	
7	...	...	Trigonometrical Branch Office, Dehra Dun.	(A) Appointed on probation. Exclusive of service as Professor of Mathematics, Government College, Agra, from 14th April 1862 to end of February 1864. (B) Brought on the strength of the Department.
8	1,543 8 0	...	In charge No. 19 (Madras).	

(a) Department of Agriculture, Revenue and Commerce Memorandum No. 731, dated 31st October 1878.
 (b) Ditto ditto ditto ditto ditto No. 213, dated 14th May 1878.
 (c) Ditto ditto ditto ditto ditto No. 519-B-4, dated 18th September 1884.

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					Y. M. D.			Y. M. D.
SENIOR DIVISION								
<i>—contd.</i>								
Deputy Superintendents—contd.								
3RD GRADE.								
<i>Salary R1,000.</i>								
9	1	Col. J. R. Wilmer, s.c.	Topogl.	HS.	49 11 12	Aug. 24, 1869	Feb. 19, 1887	...
1	2	Col. S. H. Cowan, s.c.	Rev.	PH.	49 3 16	Jan. 19, 1867	July 17, 1888	...
1	3	Col. H. S. Hutchinson, s.c.	Rev.	PH.	50 8 20	Aug. 13, 1867	Apl. 26, 1889	...
1	4	E. C. Barrott	Rev.	HS.	47 8 16	Nov. 18, 1862	May 5, 1889	26 7 18
1	5	Col. R. Beavan, s.c.	Rev.	PH.	47 3 11	July 17, 1868	June 28, 1889	...
1	6	G. H. Cooke	Rev.	LS.	46 1 1	Dec. 6, 1866	Aug. 12, 1889	23 0 15
1	7	E. J. Jackson	Rev.	HS.	46 1 26	Sep. 26, 1864	Oct. 1, 1890	23 9 7
1	8	Major St. G. C. Gore, R.E.	G. T. S.	..	41 10 8	Apl. 11, 1873	Oct. 31, 1890	...
1	9	Major J. R. Hobday, s.c.	Topogl.	HS; Collo- quial Bur- mese and LS Sban.	40 5 16	Sep. 11, 1874	Nov. 4, 1890	...
1	10	Capt. F. B. Longe, R.E.	†	...	34 2 2	Mar. 15, 1880	Dec. 10, 1890	...
4TH GRADE.								
<i>Salary R850.</i>								
1	1	Capt. R. A. Wahab, R.E.	†	HS; HP Urdu; HS Persian.	35 8 18	Jan. 8, 1883	July 17, 1888	...
1	2	W. H. Reynolds	†	LS.	47 10 10	Oct. 24, 1890	Oct. 24, 1890	...
1	3	W. H. Patterson	Rev.	LS.	52 3 6	Dec. 1, 1851	Feb. 15, 1889	31 11 9
1	4	Capt. H. M. Jackson, R.E.	†	HS.	32 9 5	June 11, 1883	Apl. 26, 1889	...
1	5	G. B. Hodgson, s.c.	†	HS.	32 2 4	Sep. 12, 1883	May 5, 1889	...

* Applies only to officers who are under the Uncovenanted Service Rules.
† Joined the Department after the amalgamation on the 1st January 1878.

Department, as it stood on 1st January 1891—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
1	1,300 0 0	.....	In charge No. 14 (Hoshangabad)	Officiating Deputy Superintendent, 2nd Grade.
2	.....	.....	.....	On furlough for 1 year and 168 days from 29th October 1889.
3	1,300 0 0	.....	In charge No. 10 (Bombay)	Officiating Deputy Superintendent, 2nd Grade.
4	1,000 0 0	.....	In charge No. 6 (Assam)	Joined the Senior Division, 30th December 1868. Sick leave for 1 month from 20th June 1869. Furlough from 27th August 1880 to 12th July 1882.
5	1,100 0 0	(a) Inclusive of personal, R100.	In charge No. 20 (Burma).	
6	1,000 0 0	.....	In charge No. 9 (Mandla)	Joined the Senior Division, 1st April 1870. Furlough for 2 years, from 22nd May 1880; extension for 12 days without pay.
7	1,000 0 0	.....	In charge No. 12 (Lower Burma)	Joined the Senior Division, 5th November 1868. Sick leave from 4th July to 3rd August, and from 19th August to 30th November 1867. Europe, medical certificate, from 23rd July 1871 to 10th November 1872. Furlough to Europe from 1st May 1880 to 3rd December 1881, and from 12th November 1885 to 23rd October 1886.
8	1,182 10 0	.....	In charge No. 18 (Himalaya).	
9	1,000 0 0	(b) Upper Burma, R100.	On special duty in Upper Burma.	
10	1,140 0 0	(b) Upper Burma, R100.	In charge No. 21 (Upper Burma I).	
1	1,140 0 0	.....	On field service.	Officiating Deputy Superintendent, 3rd Grade.
2	1,000 0 0	.....	On deputation, Forest Department.	Officiating Deputy Superintendent, 3rd Grade. Service in Forest Department from 1st January 1871 to 23rd October 1890.
3	1,000 0 0	.....	In charge No. 8 (Orissa)	Officiating Deputy Superintendent, 3rd Grade. Joined the Senior Division, 22nd January 1868. Leave on private affairs from 1st May to 31st August 1862, and to Europe from 20th July 1872 to 18th January 1873, and from 11th July 1879 to 2nd January 1880.
4	.....	.....	.....	On furlough for 1 year from 8th November 1890.
5	850 0 0	.....	In charge No. 4 (Western Doars).	

(a) Department of Revenue and Agriculture, No. 393S., dated 15th September 1882.
(b) Department of Finance and Commerce, No. 756, dated 11th February 1889.

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								Y. M. D.
SENIOR DIVISION —concl'd.								
Deputy Superintendents—concl'd.								
4TH GRADE—concl'd.								
6		Capt. S. G. Burrard, B.E.	†	LS.	30 4 19	Sep. 2, 1884	June 28, 1889	...
7		A. D'Souza	G. T. S.	...	53 4 20	Feb. 19, 1856	Aug. 12, 1889	32 11 50
8		G. B. Scott	Rev.	HS.	46 5 1	May 1, 1863	Apl. 1, 1890	27 8 0
9		J. Eccles, M.A.	†	...	33 3 23	May 30, 1885	Dec. 10, 1890	5 7 2
Assistant Superintendents.								
1ST GRADE.								
<i>Salary R600.</i>								
1		Capt. J. M. Fleming, S.C.	†	HS.	32 4 19	July 3, 1885	July 17, 1888	...
2		T. Archdale Pope	†	Telugu, Tamil.	32 6 10	Oct. 1, 1886	Feb. 15, 1889	3 3 00
3		Lieut. T. F. B. Renny-Tailyour, R.E.	†	...	27 6 23	Mar. 23, 1888	Mar. 26, 1889	...
4		Capt. R. J. H. L. Mackenzie, R.E.	†	...	26 8 16	Mar. 23, 1888	Mar. 27, 1889	...
5		F. Grant	Rev.	...	54 4 17	July 11, 1856	June 28, 1889	34 5 21
6		Lieut. W. J. Bythell, R.E.	†	...	28 3 22	May 29, 1889	Oct. 1, 1890	...
7		Lieut. G. P. Lenox-Conyngham, R.E.	†	...	24 4 9	July 16, 1889	Oct. 1, 1890	...
8		Lieut. C. Close, B.E.	†	...	25 4 22	Dec. 3, 1889	Oct. 1, 1890	...
9		G. T. S.	LS.	48 10	May 6, 1858	Dec. 10, 1890	32 5 10
GRADE.								
<i>Salary R600.</i>								
1		Lieut. R. T. Crichton, S.C.	†	HS.	25 25	Dec. 16, 1889	Dec. 16, 1889	...
2		E. F. Litchfield	†	HS.	38 11 8	Oct. 24, 1890	Oct. 24, 1890	...
3		Lieut. P. J. Gordon, S.C.	†	HS.	31 6 28	Nov. 10, 1890	Nov. 10, 1890	...
4		M. J. Ogle	Topogr.	...	48 9 27	July 1, 1863	Nov. 10, 1890	27 6 0
5		Facant.	...	...	...	...	...	...
6		Do.	...	...	...	...	...	...
7		Do.	...	...	...	...	...	...
8		Do.	...	...	...	...	...	...
9		Do.	...	...	...	...	...	...
10		Do.	...	...	...	...	...	...

* Applies only to officers who are under the Uncovenanted Service Rules.
† Joined the Department after the amalgamation on the 1st January 1878.

Department, as it stood on 1st January 1891—concluded.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
				R a. p.
6	...	...	...	On furlough for 1 year, on medical certificate, from 2nd November 1890.
7	850 0 0	(b) Burma, R100	In charge No. 13 (Mergui)	Joined the Senior Division, 1st October 1884. (B) Exclusive of 349 days' furlough, 77 days' leave on medical certificate, and 33 days' preparatory leave under new rules.
8	850 0 0	(a) Upper Burma, R150.	In charge No. 3 (Mandalay)	Joined the Senior Division, 10th November 1884.
9	850 0 0	...	In charge Computing.	
1	...	...	...	On furlough for 18 months from 9th January 1890.
2	850 0 0	(c) Presidency, R60	Head-Quarters, Calcutta	Officiating Deputy Superintendent, 4th Grade. In charge Map Record and Issue Office, Calcutta. (C) Excludes previous service under Madras Government.
3	920 0 0	(a) Upper Burma, R100.	On special duty in Upper Burma	Officiating Deputy Superintendent, 4th Grade. Joined appointment, 1st April 1888.
4	940 0 0	(b) Baluchistan, R100	No. 15 (Baluchistan)	Officiating Deputy Superintendent, 4th Grade. Joined appointment, 26th March 1888.
5	800 0 0	...	In charge No. 2 (Eastern Bengal)	Officiating Deputy Superintendent, 4th Grade. Joined the Senior Division, 16th May 1889.
6	870 0 0	...	No. 18 (Himalaya)	Officiating Deputy Superintendent, 4th Grade.
7	670 0 0	...	In charge Nos. 22 and 23 (Astronomical I and II)	
8	670 0 0	(a) Upper Burma, R100.	In charge No. 24 (Upper Burma Δtn.)	
9	600 0 0	(d) Charge allowance, R100.	In charge No. 7 (Thongwa)	Joined Senior Division, 3rd December 1889.
1	600 0 0	...	No. 5 (N.-W. Provinces)	Officiating Assistant Superintendent, 1st Grade.
2	600 0 0	...	On deputation, Forest Department.	Officiating Assistant Superintendent, 1st Grade. Service in Forest Department from 16th October 1876 to 23rd October 1890.
3	500 0 0	(a) Upper Burma, R100.	No. 21 (Upper Burma I).	
4	600 0 0	(a) Upper Burma, R100. (d) Charge allowance, R100.	In charge No. 11 (Upper Burma II).	Officiating Assistant Superintendent, 1st Grade. Joined the Senior Division, 10th November 1889.

(a) Department of Finance and Commerce No. 758, dated 11th February 1889.
(b) Department of Finance and Commerce No. 5826, dated 25th October 1888.
(c) Department of Agriculture, Revenue and Commerce Memorandum No. 213, dated 14th May 1878.
(d) Department of Agriculture, Revenue and Commerce Memorandum No. 731, dated 31st October 1878.

Classified List of Officers of the Junior Division, Survey of

No. sanctioned.	No. existing in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Age.	Date of appointment to the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January, 1891.
					Y. M. D.			Y. M. D.
JUNIOR DIVISION.								
Surveyors.								
1st GRADE.								
<i>Salary R500.</i>								
8		<i>G. A. McGill</i>	Topogl.	LS.	52 8 7	Apl. 8, 1855	Mar. 7, 1882	35 8 3
1		<i>D. Atkinson</i>	Topogl.	. . . .	53 7 24	Aug. 4, 1856	Jan. 22, 1883	34 4 28
2		<i>H. E. T. Keelan</i>	G. T. S.	. . . .	47 8 1	Aug. 17, 1858	Oct. 29, 1883	27 1 2
3		<i>A. J. Wilson</i>	Topogl.	LS.	48 4 0	Oct. 1, 1860	June 2, 1884	30 6 0
4		<i>G. W. E. Atkinson</i>	G. T. S.	. . . .	47 2 20	Aug. 1, 1859	Nov. 10, 1884	31 2 20
5		<i>S. M. Smylie</i>	Rev.	LS.	50 1 7	July 24, 1860	June 27, 1886	29 9 3
6		<i>J. S. Pemberton</i>	Rev.	LS.	47 5 23	Oct. 6, 1860	Nov. 24, 1887	30 2 21
7		<i>H. R. Littlewood</i>	Rev.	{ LS. Burmese }	47 1 25	Oct. 6, 1860	May 16, 1889	30 2 26
8		<i>W. Todd</i>	G. T. S.	. . . .	52 1 21	Jan. 11, 1856	Dec. 3, 1889	32 10 23
2nd GRADE.								
<i>Salary R400.</i>								
11		<i>W. A. Wilson</i>	Rev.	LS.	47 7 12	Jan. 1, 1861	Nov. 1, 1883	26 7 12
2		<i>A. M. Lawson</i>	Rev.	LS.	51 11 29	Nov. 18, 1862	June 2, 1884	28 1 13
3		<i>A. J. Gibson</i>	Rev.	. . . .	49 1 0	May 1, 1861	Mar. 1, 1885	29 7 27
4		<i>W. S. Buttress</i>	Rev.	. . . .	46 10 12	Sep. 1, 1860	July 1, 1886	30 4 0
5		<i>F. Adams</i>	Topogl.	. . . .	54 8 6	Oct. 1, 1860	Apl. 1, 1883	34 1 28
6		<i>A. G. Wyatt</i>	Topogl.	. . . .	45 10 6	Nov. 1, 1861	Nov. 24, 1888	25 10 6
7		<i>H. W. Peckers</i>	G. T. S.	. . . .	48 0 18	April 8, 1862	May 13, 1889	28 0 18
8		<i>G. Belcham</i>	G. T. S.	HS.	45 10 15	Nov. 1, 1862	May 16, 1889	28 2 0
9		<i>H. Dowman</i>	Rev.	. . . .	44 6 20	Oct. 16, 1862	Sep. 19, 1889	28 2 1
10		<i>E. G. Little</i>	Rev.	. . . .	45 2 19	Jan. 1, 1860	Dec. 3, 1889	25 2 19
11		<i>H. T. Hanby</i>	Rev.	LS.	44 2 12	Nov. 13, 1862	Nov. 10, 1890	28 1 12

India Department, as it stood on 1st January 1891.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
...	600 0 0	. . . .	Chief Draftsman, Head-Quarters, Calcutta.	Sick leave from 1st November 1871 to 28th February 1872. Service reckoned under old rules.
1	500 0 0	(a) Presidency house-rent, R45.	Calcutta Detachment . . .	Service reckoned under old rules.
2	500 0 0	Ditto ditto	Head-Quarters, Calcutta . . .	Inclusive of furlough out of India for 11 months and 13 days, also for 11 months and 24 days from 12th May 1888 to 5th May 1889, and exclusive of medical leave for 6 months, sick leave for 18 days and leave without pay for 11 days.
3	500 0 0	(b) Upper Burma, R80.	No. 11 (Upper Burma II) . . .	Apprentice Draftsman from 1st January 1860.
4	500 0 0	(f) Special allowance R50.	} Simla Drawing Office, Simla .	Service reckoned under old rules.
5	500 0 0	(h) Simla allowance R25. (c) Presidency house-rent R45.			Head Draftsman, Head-Quarters, Calcutta.
6	500 0 0	(d) Charge, R50 . . .	In charge Indus Riverain Detachment.	Exclusive of furlough in India for 4 months and 4 days, from 8th November 1892 to 11th March 1893.
7	500 0 0	(e) Burma, R50 . . .	No. 7 (Thongwa).	Overstayed privilege leave by 5 days in June 1869.
8	500 0 0	. . . .	No. 10 (Bombay)	(B) Inclusive of 2 years, which count as service out of 4 year's 28 days leave on medical certificate under old rules.
1	400 0 0	(e) Burma, R50 . . .	No. 20 (Burma)	On furlough for 1 year from 24th March 1869 to 23rd March 1890.
2	400 0 0	. . . .	No. 17 (Bombay Forests).	
3	400 0 0	(e) Burma, R50 . . .	No. 13 (Mergui)	Absent without leave for 3 days in January 1866.
4	400 0 0	(e) Burma, R50 . . .	No. 12 (Lower Burma) . . .	Copyist from 1st to 30th September 1860.
5	400 0 0	(a) Presidency house-rent, R30.	Head-Quarters, Calcutta . . .	(C) Inclusive of service as Sub-Surveyor, from 3rd November 1866 to 30th September 1866.
6	400 0 0	(a) Presidency house-rent, R30.	Ditto ditto.	Inclusive of furlough out of India from 11th November 1883 to 6th November 1884.
7	400 0 0	(f) Dehra Office, R50 .	Computing, Dehra Dun . . .	
8	400 0 0	(g) Deputation, R50 .	No. 25 (Tidal and Levelling) .	Service reckoned under old rules.
9	400 0 0	. . . .	No. 9 (Mandla)	Absent without leave 3 days, sick leave 2 days in October 1865, 4 days in December 1865, and 6 days in December 1866.
10	400 0 0	(e) Burma, R50 . . .	No. 12 (Lower Burma) . . .	Apprentice from 1st January 1860 to 4th November 1862. (D) Exclusive of 5 years 9 months and 11 days' service under 20 years of age.
11	400 0 0	. . . .	No. 4 (Western Doons).	

(a) Financial Resolution No. 704, dated 22nd February 1866.

(b) Department of Finance and Commerce No. 756, dated 11th February 1889.

(c) Secretary of State's Despatch No. 13, dated 28th February 1889.

(d) Department of Agriculture, Revenue and Commerce Memorandum No. 731, dated 31st October 1873.

(e) Secretary of State's Despatch No. 121, dated 7th May 1885.

(f) Financial Resolution No. 3090, dated 22nd December 1864, and No. 2579, dated 30th November 1871.

(g) Surveyor General's No. 653 S—8., dated 29th September 1865.

(h) Revenue and Agricultural Department No. 36-0, dated 1st November 1890.

Classified List of Officers of the Junior Division, Survey of India

No. sanctioned.	No. existing in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Age.	Date of appointment to the Department.	Date of promotion to the present grade.	Period of service
								counting towards pension on 1st January 1891.
								Y. M. D.
JUNIOR DIVISION								
—contd.								
Surveyors—contd.								
3RD GRADE.								
Salary R360.								
14		1 L. J. Pocock	G. T. S.	HS.	47 3 5	July 10, 1863	Nov. 1, 1883	27 0 7A
		2 A. Christie	G. T. S.	HS.	45 3 1	Aug. 7, 1863	June 2, 1884	24 9 4B
		3 W. J. O'Sullivan	G. T. S.	. . . . .	46 10 17	Oct. 1, 1863	Oct. 1, 1884	26 10 17
		4 N. C. Gwynne	G. T. S.	. . . . .	47 9 25	Oct. 19, 1863	March 1, 1885	27 9 25
		5 W. C. Price	G. T. S.	. . . . .	44 6 8	Nov. 1, 1863	Nov. 15, 1885	24 6 8
		6 C. H. McA'Fee	G. T. S.	LS.	41 1 15	Sep. 6, 1864	July 1, 1886	21 0 15
		7 C. F. Hamer	Topogl.	. . . . .	44 4 24	Aug. 3, 1863	Aug. 29, 1888	24 4 24
		8 J. H. O'Donel	Rev.	. . . . .	45 5 20	Oct. 1, 1863	Nov. 24, 1888	25 5 20
		9 T. E. M. Claudius	Topogl.	. . . . .	44 7 0	Aug. 1, 1863	May 13, 1889	24 7
		10 W. Stotesbury	Topogl.	{ HS ; LS Canara- rese. }	43 5 6	Oct. 4, 1864	May 16, 1889	23 5 6
		11 T. H. Rendell	G. T. S.	. . . . .	46 5 9	Oct. 11, 1864	May 16, 1889	26 2 21
		12 F. Kitchen	Topogl.	. . . . .	44 9 7	Oct. 1, 1864	Dec. 3, 1889	24 7 7B
		13 R. B. Smart	Rev.	LS.	43 6 2	Jan. 1, 1864	Aug. 14, 1889	23 6 2
		14 A. J. James	Topogl.	LS.	44 1 12	June 15, 1864	Nov. 10, 1890	24 1 12
18		4TH GRADE.						
		Salary R300.						
		1 Hugh Todd	G. T. S.	. . . . .	43 4 15	July 15, 1865	Oct. 6, 1883	23 3 16C
		2 E. J. Connor	G. T. S.	LS.	42 4 15	Mar. 1, 1865	Nov. 1, 1883	21 10 10D
		3 J. Connor	Rev.	. . . . .	43 3 24	Feb. 15, 1865	June 2, 1884	23 3 24
		... T. H. Dunne	Rev.	LS.	41 0 7	Feb. 15, 1865	Sep. 1, 1884	20 11 26
		4 J. Bond	G. T. S.	. . . . .	40 11 24	Oct. 18, 1866	Oct. 1, 1884	20 11 4A

Department, as it stood on 1st January 1891—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
1	350 0 0	. . . . .	Computing, Dehra Dun . . .	(A) Exclusive of 89 days' sick leave.
2	350 0 0	. . . . .	No. 14 (Hoshangabad) . . .	(E) Exclusive of furlough in India from 18th November 1886 to 15th May 1887.
3	350 0 0	(a) Settlement, R50 . . .	No. 2 (Eastern Bengal).	
4	350 0 0	. . . . .	No. 14 (Hoshangabad).	
5	350 0 0	(e) Presidency house- rent, R30	Head-Quarters, Calcutta.	
6	350 0 0	. . . . .	Drawing Office, Dehra Dun . .	Sick leave for 1 month from 30th December 1892. Passed the Poona C. E. College Examination in 1864.
7	350 0 0	. . . . .	No. 19 (Madras).	
8	350 0 0	(b) Assam, R50 (a) Settlement, R50	No. 6 (Assam).	
9	350 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan).	
10	350 0 0	. . . . .	No. 10 (Bombay).	
11	350 0 0	(d) Upper Burma, R80	No. 24 (Upper Burma Δtn.).	
12	350 0 0	(d) Upper Burma, R80	No. 11 (Upper Burma II) . . .	(B) Exclusive of 2 months' sick leave.
13	350 0 0	(c) Burma, R50	No. 12 (Lower Burma)	Apprentice from 1st January to 31st December 1864.
14	350 0 0	(e) Presidency house- rent, R30	Head-Quarters, Calcutta.	
1	300 0 0	. . . . .	No. 19 (Madras)	(C) Exclusive of 90 days' sick leave.
2	300 0 0	. . . . .	No. 25 (Tidal and Levelling) . .	(D) Exclusive of 6 months and 5 days' leave on private affairs under new rules.
3	300 0 0	(d) Upper Burma, R80	No. 3 (Mandalay).	
...	. . . . .	. . . . .	On deputation, Central Prov- inces.	Absent without leave 1 day, and sick leave for 10 days in October 1865.
4	300 0 0	. . . . .	No. 25 (Tidal and Levelling) . .	(A) Exclusive of 20 days' sick leave.

(a) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 1889.
 (b) Department of Revenue and Agriculture No. 278, dated 18th January 1884.
 (c) Department of Finance and Commerce No. 6828, dated 25th October 1888.
 (d) Department of Finance and Commerce No. 756, dated 11th February 1889.
 (e) Financial Resolution No. 704, dated 22nd February 1906.

Classified List of Officers of the Junior Division, Survey of India

No. sanctioned.	No. existing in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Age.	Date of appointment to the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1891.
					Y. M. D.			Y. M. D.
JUNIOR DIVISION								
—contd.								
Surveyors—concl'd.								
4th GRADE—concl'd.								
Salary R300—concl'd.								
5		C. D. Potter	G. T. S.	LS.	45 3 27	Oct. 29, 1866	Nov. 10, 1884	24 1 00
6		J. Newland	Rev.	LS.	53 4 26	Oct. 22, 1863	Mar. 1, 1885	27 2 10
7		C. Tapsell	Topogl.	LS.	46 1 17	Aug. 2, 1864	July 1, 1886	26 1 17
8		J. A. Barker	Topogl.	. . . . .	44 8 18	Sep. 1, 1865	Aug. 1, 1886	24 8 18
9		E. A. Wainright	Topogl.	. . . . .	42 6 23	May 1, 1866	Nov. 24, 1887	22 6 23
10		R. C. D. Ewing	Rev.	HS.	42 6 20	June 9, 1866	Aug. 29, 1888	21 5 25
11		W. J. Cornelius	Topogl.	LS.	41 9 1	Aug. 15, 1866	Nov. 24, 1888	21 9 1
12		G. W. Jarbo	Rev.	LS.	43 3 15	Nov. 1, 1866	Dec. 3, 1888	23 3 0
13		P. J. W. Doran	Topogl.	LS.	41 7 27	Feb. 1, 1867	May 13, 1889	21 7 27
14		J. R. Scott	Rev.	LS.	41 9 27	Jan. 19, 1867	May 13, 1889	21 9 27
15		J. McHatton	Rev.	LS.	41 5 14	July 1, 1867	May 16, 1889	20 5 14
16		H. T. Kitchen	Topogl.	. . . . .	42 6 23	Nov. 1, 1867	Aug. 14, 1889	22 6 23
17		J. Hickie	G. T. S.	LS.	41 11 17	Apl. 29, 1868	May 5, 1890	21 5 17
18		S. O. Madras	Rev.	. . . . .	40 4 16	July 6, 1868	Nov. 10, 1890	20 4 16
Assistant Surveyors.								
1st GRADE.								
Salary R200 rising to R250.								
41		G. D. Cusson	G. T. S.	LS.	44 3 7	May 8, 1868	Apl. 1, 1881	24 3 70
1		T. F. Freeman	Rev.	LS.	39 9 27	Sep. 9, 1868	Apl. 1, 1881	17 2 27
...		G. O. Swiney	Rev.	. . . . .	41 6 4	Sep. 17, 1868	Apl. 1, 1881	21 6 4
2		J. S. Swiney	Rev.	. . . . .	40 0 12	Jan. 5, 1869	Apl. 1, 1881	20 0 12
3		C. P. Torrens	G. T. S.	. . . . .	39 0 12	Dec. 12, 1868	Apl. 1, 1881	19 0 100
4		W. Robert	Topogl.	. . . . .	40 4 2	Aug. 21, 1869	Apl. 1, 1881	20 4 2
5		T. Shaw	Rev.	LS.	38 1 15	Apl. 21, 1869	Apl. 1, 1881	18 1 15
6		C. W. Wilson	Rev.	LS.	45 1 22	June 21, 1867A	Apl. 1, 1881	23 1 10
7		E. J. Martin	Rev.	. . . . .	39 11 13	Sep. 16, 1867	Apl. 1, 1881	18 9 13

Department, as it stood on 1st January 1891—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
5	300 0 0	. . . . .	No. 18 (Himalaya)	(B) Exclusive of 331 days' sick leave. Obtained a Civil Engineer's certificate at the Madras C. E. College in 1866.
6	300 0 0	(a) Upper Burma, R80.	No. 3 (Mandalay).	
7	300 0 0	. . . . .	No. 10 (Bombay).	
8	300 0 0	(b) Burma, R75	No. 20 (Burma).	
9	300 0 0	(b) Baluchistan, R80	No. 15 (Baluchistan).	
10	300 0 0	(c) Settlement, R50	No. 8 (Orissa)	Furlough from 17th September 1885 to 11th September 1887.
11	300 0 0	(d) Simla allowance, R25	Simla Drawing Office, Simla.	
12	300 0 0	(b) Burma, R75	No. 7 (Thongwa)	Sick leave for 15 days from 26th May to 9th June 1869.
13	300 0 0	(a) Upper Burma, R80.	No. 11 (Upper Burma II).	
14	. . . . .	. . . . .	On deputation, Central Provinces.	
15	300 0 0	(c) Settlement, R50	No. 2 (Eastern Bengal)	Furlough for 1 year from 1st January to 31st December 1879.
16	300 0 0	(a) Upper Burma, R80.	No. 21 (Upper Burma I).	
17	300 0 0	(a) Upper Burma, R80.	No. 24 (Upper Burma Δtn.)	Exclusive of 6 months' sick leave.
18	300 0 0	(c) Settlement, R50.	No. 8 (Orissa).	
...	325 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	(C) Inclusive of furlough out of India for 364 days from 1st November 1879 to 30th October 1880.
1	300 0 0	(c) Settlement, R50	No. 5 (N.-W. Provinces)	Officiating Surveyor, 4th Grade. Sick leave for 2 years from 1st May 1880; extension for 9 months without pay up to 31st January 1883.
...	. . . . .	. . . . .	On deputation, Central Provinces.	
2	250 0 0	(b) Burma, R75	No. 7 (Thongwa).	
3	. . . . .	. . . . .	On deputation, Settlement Department, Burma.	(D) Exclusive of 2 days overstayed privilege leave.
4	250 0 0	. . . . .	No. 18 (Himalaya).	
5	250 0 0	(e) Charge, R50	In charge Burdwan Raj Detachment.	
6	250 0 0	(f) Assam, R40	No. 6 (Assam)	(A) Commencement of second service. Sick leave for 3 months from 1st March 1869, and 2 months from 1st August 1869.
7	250 0 0	(g) Presidency house-rent, R20.	Head-Quarters, Calcutta	On medical leave for 6 months from 13th April 1888. Furlough from 1st April to 30th November 1882. Office Assistant from 16th September 1867 to 31st July 1870.

(a) Department of Finance and Commerce No. 756, dated 11th February 1880.

(b) Department of Finance and Commerce No. 5826, dated 25th October 1888.

(c) Secretary of State's Despatch No. 75 (Revenue), dated 16th August 1880.

(d) Revenue and Agricultural Department No. 1330, dated 1st November 1890.

(e) Secretary of State's Despatch No. 121, dated 7th May 1885.

(f) Department of Finance and Commerce, No. 275, dated 18th January 1884.

(g) Financial Resolution No. 704, dated 22nd February 1866.

Classified List of Officers of the Junior Division, Survey of India

No. sanctioned.	No. existing in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Age.	Date of appointment to the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1891.
								Y. M. D.	Y. M. D.
JUNIOR DIVISION								
—contd.								
Assistant Surveyors								
—contd.								
1st GRADE—contd.								
Salary R200 rising to R250—contd.								
		C. W. F. Seyers	Rev.	. . . . .	44 6 0	Dec. 1, 1864	June 7, 1881	24 3 0
9		W. H. Penrose	Rev.	LS.	39 2 24	Aug. 11, 1869	Nov. 1, 1882	18 7 17
...		G. E. Parker	Rev.	. . . . .	40 10 18	Nov. 18, 1870	Jan. 17, 1883	20 1 13
10		G. Campbell	Rev.	. . . . .	42 5 19	Jan. 1, 1864	Jan. 22, 1883	21 5 19
11		W. C. G. Barckley	Topogl.	. . . . .	39 2 9	Dec. 1, 1871	Feb. 22, 1883	19 1 08
12		G. T. Hall	G. T. S.	LS.	39 0 29	Nov. 22, 1872	Apl. 1, 1883	18 1 9
13		G. Vander Beek	Topogl.	LS.	41 3 15	July 1, 1872	Apl. 30, 1883	20 2 21
14		R. Todd	Topogl.	. . . . .	45 5 20	Nov. 1, 1863	July 21, 1883	25 5 20
15		J. Murphy	Rev.	. . . . .	38 5 19	Nov. 22, 1868	Aug. 10, 1883	18 5 19
16		A. W. Smart	Rev.	. . . . .	39 10 1	Dec. 1, 1871	Oct. 6, 1883	18 10 0
17		W. M. Kelly	Rev.	LS.	36 4 25	Oct. 1, 1872	Nov. 21, 1883	18 4 25
18		A. Kitchen	Topogl.	. . . . .	37 11 4	Oct. 1, 1872	Dec. 1, 1883	17 11 4
...		E. P. S. Hill*	Rev.	HS; LS Persian.	35 5 15	Nov. 16, 1872	June 2, 1884	15 5 15
19		R. R. Dickinson	Rev.	LS.	39 5 6	Apl. 16, 1873	Sep. 1, 1884	18 9 0
20		E. Graham	Topogl.	LS.	37 2 0	Aug. 11, 1873	Nov. 10, 1884	17 2 0
21		G. A. Knight	Topogl.	. . . . .	36 8 9	Aug. 11, 1873	Mar. 1, 1885	16 8 9
22		W. A. Fielding . . . . .	. . . . .	LS.	41 7 3	May 1, 1868 Oct. 1, 18870	Apl. 1, 1881	21 7 3
...		P. A. Peters	Rev.	LS.	36 0 23	Nov. 1, 1873	May 14, 1886	16 0 23
23		T. Marten	Forest Surv.	. . . . .	44 10 6	Mar. 14, 1874	Oct. 6, 1888	16 9 18
24		P. F. Prunty	G. T. S.	. . . . .	38 0 6	May 9, 1874	May 14, 1886	16 0 6
25		P. White	Topogl.	LS.	40 2 23	Oct. 1, 1872	Oct. 1, 1884	16 0 23

* Passed Departmental Examination in Revenue Law and Procedure by the Higher Standard.

Department, as it stood on 1st January 1891—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
8	250 0 0	(a) Presidency house-rent, R20.	Head-Quarters, Calcutta	On medical leave for 3 months from 16th May 1890; extension for 1 month to 15th September 1890.
9	250 0 0	(a) Presidency house-rent, R20.	Head Quarters, Calcutta	Leave on medical certificate from 22nd October to 28th November 1883, and for 6 months from 3rd August 1886 to 2nd February 1887, excluded.
...	. . . . .	. . . . .	On deputation, Central Provinces.	
10	250 0 0	(b) Upper Burma, R80 .	No. 3 (Mandalay)	Office Assistant from 1st January 1864 to 20th February 1874. Furlough for 1 year from 22nd September 1881 to 21st September 1882.
11	250 0 0	(b) Upper Burma, R80.	No. 21 (Upper Burma I)	(B) Inclusive of special leave to Europe on full pay for 1 year 10 months and 26 days from 7th April 1876 to 2nd March 1878.
12	250 0 0	(c) Settlement, R50 .	No. 4 (Western Doars).	
13	250 0 0	(d) Burma, R50	No. 13 (Mergui)	Apprentice Draftsman from 11th October 1870 to 30th June 1872.
14	250 0 0	. . . . .	No. 19 (Madras)	Suspension from 11th May to 6th June 1883.
15	250 0 0	(c) Settlement, R50	No. 5 (N.-W. Provinces)	Office Assistant from 22nd November 1868 to 31st October 1871.
16	250 0 0	(c) Settlement, R50	No. 5 (N.-W. Provinces)	Three months' sick leave from 8th July 1880.
17	250 0 0	(a) Half scale, local, R15.	No. 10 (Bombay)	Re-appointed to the Department, 1st October 1878, after employment in the Forest Department, from 1st November 1877 to 30th September 1878.
18	250 0 0	(c) Simla allowance, R25.	Simla Drawing Office, Simla.	
...	. . . . .	. . . . .	On deputation, Central Provinces.	
19	250 0 0	. . . . .	No. 10 (Bombay)	Apprentice from 1st April 1872 to 15th April 1873.
20	250 0 0	(d) Baluchistan, R80	No. 15 (Baluchistan)	Previous service as Sub-Surveyor from 1st November 1872.
21	250 0 0	. . . . .	No. 4 (Western Doars).	
22	250 0 0	. . . . .	No. 18 (Himalaya)	(C) Date of re-appointment. Inclusive of services in the Bombay Secretariat from 1st April 1886 to 10th September 1887.
...	. . . . .	. . . . .	On deputation, Straits Settlements.	
23	250 0 0	. . . . .	On deputation, Forest Department.	
24	240 0 0	. . . . .	No. 18 (Himalaya).	
25	240 0 0	(d) Burma, R50	No. 13 (Mergui)	(A) Exclusive of sick leave for 9 months from 21st October 1878. Leave extended for 3 months; further extension of leave without pay up to 17th August 1879. On half-pay list from 18th August 1879 to 31st August 1880. On sick leave for 1 year from 17th October 1881. Extension to 28th January 1883. On sick leave for 3 months from 5th November 1883 to 4th February 1884.

(a) Financial Resolution No. 704, dated 22nd February 1886.
 (b) Department of Finance and Commerce No. 756, dated 11th February 1889.
 (c) Secretary of State's Despatch No. 78 (Revenue), dated 15th August 1889.
 (d) Ditto Ditto No. 5826, dated 25th October 1888.
 (e) Revenue and Agricultural Department, No. 1339/36-6, dated 1st November 1890.

Classified List of Officers of the Junior Division, Survey of India

No. sanctioned.	No. existing in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Age.	Date of appointment to the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1891.
					Y. M. D.			Y. M. D.
JUNIOR DIVISION								
—contd.								
Assistant Surveyors—								
—contd.								
1st GRADE—concl'd.								
Salary R200 rising to R250—concl'd.								
26		J. Keating	G. T. S.	. . . .	36 7 27	June 1, 1874	July 1, 1886	16 7 27
27		C. S. Kraal	Rev.	LS.	37 2 6	July 24, 1874	Aug. 1, 1886	16 4 21
28		S. F. Norman	G. T. S.	. . . .	36 4 23	Sep. 1, 1874	Apl. 1, 1887	16 4 0
29		C. Norman	G. T. S.	LS.	34 7 12	Oct. 12, 1874	Apl. 1, 1887	14 7 12
30		D. Campbell	Topogl.	. . . .	38 1 13	Nov. 1, 1874A	Apl. 1, 1887	18 1 13
31		L. F. Berkeley	Rev.	LS.	36 4 3	Aug. 16, 1875	Nov. 24, 1887	15 4 16
32		J. Marten	Forest Surv.	. . . .	39 3 4	Oct. 22, 1875	Oct. 6, 1888	15 2 10
33		G. P. Tate	†	LS.	34 5 9	Mar. 12, 1878	Aug. 29, 1888	14 5 9
34		J. M. Kennedy	G. T. S.	. . . .	34 1 28	Aug. 19, 1875	Nov. 1, 1888	14 1 28
35		P. C. H. Smart . . . . .	†	. . . .	35 3 15	Apl. 18, 1878	Nov. 24, 1888	12 3 6
36		R. F. Warwick	G. T. S.	LS.	35 9 6	July 2, 1875	May. 9, 1889	13 4 23B
37		A. George	†	LS.	37 11 18	Oct. 15, 1878	May 13, 1889	12 2 17C
38		W. H. D. Ewing	†	LS.	33 4 7	Apl. 15, 1878	May 16, 1889	12 6 15D
39		C. George	†	LS.	38 0 24	Sep. 5, 1878	Feb. 1, 1890	16 4 14
40		R. W. Senior	†	LS.	30 1 18	Dec. 21, 1878	May 5, 1890	9 6 19E
41		J. A. Higgs	†	LS.	31 8 13	Sep. 12, 1881	Nov. 10, 1890	8 7 7
22		2ND GRADE.						
		Salary R160 rising to R200.						
1		B. M. Wilson	Rev.	. . . .	42 8 17	Nov. 15, 1872	Apl. 1, 1881	18 11 0
2		O. D. Smart . . . . .	†	. . . .	33 3 15	Oct. 1, 1881	Mar. 1, 1885	11 1 0
3		A. Ewing . . . . .	†	. . . .	29 0 0	Nov. 16, 1881	Oct. 1, 1885	9 0 0
4		M. Gastaud . . . . .	†	. . . .	28 9 24	May 1, 1882	Oct. 30, 1885	8 8 0
5		P. Beechey	†	LS & HS Burmese.	29 5 14	Dec. 1, 1882	Apl. 1, 1886	8 1 0
6		E. F. Berkeley	†	LS.	26 2 10	Sep. 1, 1883	May 14, 1886	6 2 10
7		B. R. Hughes	†	LS.	24 0 18	Oct. 15, 1883	July 1, 1886	4 0 18
8		J. P. Barker . . . . .	†	. . . .	25 4 10	Dec. 23, 1883	Aug. 1, 1886	5 4 10
9		N. Bedford . . . . .	†	. . . .	29 5 15	Jan. 10, 1884	Apl. 1, 1887	6 11 22
10		T. J. J. Mills . . . . .	†	. . . .	27 0 1	Mar. 14, 1884	Apl. 1, 1887	6 9 18
11		P. J. Serrao	†	LS Burmese.	29 5 28	Apl. 24, 1884	Nov. 24, 1887	8 8 7
12		J. Smith . . . . .	†	. . . .	27 3 17	Aug. 1, 1884	Aug. 29, 1888	6 5 0

† Joined the Department after the amalgamation on 1st January 1878.

Department, as it stood on 1st January 1891—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
26	240 0 0	. . . . .	No. 14 (Hoshangabad).	
27	230 0 0	. . . . .	No. 8 (Orissa)	Sick leave from 6th to 22nd February 1870.
28	230 0 0	(b) Half scale, local, R13-12-9.	No. 17 (Bombay Forests).	
29	230 0 0	(b) Ditto, R13-12-9	No. 17 (Bombay Forests).	
30	230 0 0	. . . . .	No. 14 (Hoshangabad)	(A) Joined as a Sub-Surveyor on 3rd July 1872.
31	230 0 0	(c) Settlement, R50	No. 4 (Western Doars).	
32	230 0 0	. . . . .	On deputation, Forest Department.	
33	220 0 0	(a) Baluchistan, R80	No. 15 (Baluchistan)	Apprentice from 1st March 1874 to 11th March 1878.
34	220 0 0	(d) Upper Burma, R80 } (e) Deputation, R44 }	Kaington-Chengmai Frontier Mission	
35	220 0 0	. . . . .	No. 2 (Eastern Bengal)	Sick leave from 8th April to 14th September 1883.
36	210 0 0	(a) Burma, R50	No. 13 (Mergul)	(B) Exclusive of leave on medical certificate for 2 months from 10th October to 9th December 1877; for 6 months from 1st May to 31st October 1879, for 4 months and 25 days from 30th August 1881, and for 11 months and 30 days from 16th August 1882 to 14th August 1883.
37	210 0 0	. . . . .	No. 9 (Mandla)	(C) Exclusive of previous service as Sub-Surveyor.
38	210 0 0	. . . . .	No. 4 (Western Doars)	(D) Exclusive of 2 months and 1 day's suspension from 28th May to 1st July 1880, and sick leave from 2nd to 28th July 1880.
39	200 0 0	(d) Upper Burma, R80	No. 21 (Upper Burma I)	Previous service as Sub-Surveyor from 18th August 1874.
40	200 0 0	. . . . .	No. 18 (Himalaya)	(E) Exclusive of medical leave from 8th May to 6th October 1889.
41	200 0 0	(a) Burma, R50	No. 13 (Mergul)	Medical leave from 7th March to 16th November 1888. Previous service as apprentice from 31st July 1878.
1	192 0 0	(b) Presidency house-rent, R20.	Head-Quarters, Calcutta	Apprentice from 1st February to 14th November 1872, included.
2	200 0 0	(d) Upper Burma, R80	No. 3 (Mandalay)	Includes service in the temporary or Cadastral Establishment without interruption from 1st December 1879 to 30th September 1881.
3	200 0 0	(a) Burma, R50	No. 20 (Burma).	
4	200 0 0	(a) Burma, R50	No. 13 (Mergul).	
5	. . . . .	. . . . .	On deputation, Burma.	
6	192 0 0	. . . . .	No. 8 (Orissa).	
7	192 0 0	(d) Upper Burma, R80	No. 24 (Upper Burma Δ (n.)).	
8	184 0 0	. . . . .	No. 8 (Orissa).	
9	184 0 0	. . . . .	No. 5 (N.-W. Provinces).	
10	184 0 0	. . . . .	No. 19 (Madras).	
11	184 0 0	(d) Upper Burma, R80	No. 3 (Mandalay).	
12	176 0 0	(f) Assam, R40	No. 6 (Assam).	

(a) Department of Finance and Commerce No. 5820, dated 25th October 1888.
 (b) Financial Resolution No. 704, dated 22nd February 1886.
 (c) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 1880.
 (d) Department of Finance and Commerce No. 758, dated 11th February 1889.
 (e) Revenue and Agricultural Department No. 1226 139-8 s., dated 22nd October 1880.
 (f) Ditto ditto No. 278, dated 18th January 1884.

Classified List of Officers of the Junior Division, Survey of India

No. sanctioned in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Age.	Date of appointment to the Department.	Date of promotion to the present grade.	Period of service
							counting towards pension on 1st January 1891.
				Y. M. D.			Y. M. D.
JUNIOR DIVISION							
—concl'd.							
Assistant Surveyors—							
concl'd.							
2ND GRADE—concl'd.							
Salary R160 rising to R200—concl'd.							
13	W. E. Johnson . . . . .	†	. . . . .	29 3 16	Aug. 18, 1884	Nov. 1, 1888	6 4 14
14	T. W. Babonau (Jr.)	†	LS.	24 5 21	Jan. 15, 1884	Apl. 1, 1887	3 10 8
15	W. V. Skilling	†	LS.	23 8 6	Nov. 24, 1884	Nov. 24, 1888	3 8 6
16	A. B. Smart . . . . .	†	. . . . .	25 3 4	Feb. 25, 1885	May 9, 1889	5 3 4
17	C. G. Lee . . . . .	†	. . . . .	24 4 8	Mar. 1, 1886	May 13, 1889	4 4 8
18	F. S. Bell . . . . .	†	. . . . .	26 3 2	Sep. 24, 1886	May 16, 1888	4 3 7
19	F. E. Warde . . . . .	†	. . . . .	39 3 24	Nov. 13, 1884A	Oct. 1, 1889	5 11 25
20	F. P. Walsh . . . . .	†	. . . . .	24 1 10	Mar. 4, 1886	Feb. 1, 1890	4 1 10
21	F. B. Powell	†	ES. Burmese.	26 4 21	Sep. 23, 1886	May 5, 1890	4 3 8
22	Yusaf Sharif, Khan Bahadur . . . . .	†	. . . . .	44 0 14	June 16, 1867	Nov. 10, 1890	23 6 15
3RD GRADE.							
Salary R120 rising to R180.							
1	H. A. Charrier	†	LS.	26 2 8	Apl. 21, 1884	Apl. 21, 1884	5 10 28
2	Rai Hira Singh, Bahadur . . . . .	†	. . . . .	39 4 0	Nov. 13, 1873	Mar. 12, 1887	19 1 0
3	J. A. T. Haddock	†	LS. ES. Burmese.	27 2 16	Nov. 26, 1887	Nov. 26, 1887	3 1 5
4	J. H. Murphy . . . . .	†	. . . . .	21 5 6	Nov. 1, 1887	Nov. 1, 1887	1 5 6
5	W. J. Baker . . . . .	†	. . . . .	24 4 14	Jan. 25, 1888	Jan. 25, 1888	2 11 7
6	C. G. S. Wood	†	LS.	22 6 0	Aug. 2, 1884	Aug. 2, 1884	2 6 0
7	C. S. Gasper . . . . .	†	. . . . .	22 4 21	Mar. 2, 1888	Mar. 2, 1888	2 4 21
8	C. H. G. Johnson . . . . .	†	. . . . .	21 6 17	Nov. 13, 1888	Nov. 13, 1888	1 6 17
9	M. G. Shaw . . . . .	†	. . . . .	28 10 11	Jan. 1, 1889	Jan. 1, 1889	8 0 08
10	Sarat Chunder Sen . . . . .	†	. . . . .	25 2 1	Aug. 26, 1889	Aug. 26, 1889	1 4 8
11	W. F. E. Adams . . . . .	†	. . . . .	23 6 20	Aug. 26, 1889	Aug. 26, 1889	1 4 8
12	J. H. Nichols	Forest Surv.	. . . . .	23 8 22	Dec. 16, 1888	Jan. 1, 1890	2 0 16
13	G. Rae . . . . .	. . . . .	. . . . .	20 1 8	Nov. 19, 1890	Nov. 19, 1890	0 1 8
14	Vacant . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
15	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
16	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
17	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
18	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
19	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
20	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
21	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
22	Ditto . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .

† Joined the Department after the amalgamation on 1st January 1878.

Department, as it stood on 1st January 1891—concluded.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
13	168 0 0	(c) Burma, R50	No. 12 (Lower Burma).	
14	184 0 0	(c) Burma, R50	No. 12 (Lower Burma)	Extraordinary leave from 9th April to 2 November 1889.
15	176 0 0	. . . . .	No. 5 (N. W. Provinces).	
16	168 0 0	(d) Presidency house-rent, R20.	Calcutta Detachment.	
17	168 0 0	. . . . .	No. 2 (Eastern Bengal)	Previous service in the Cadastral Establishment without interruption from 1st December 1883 to 28th February 1886.
18	168 0 0	(c) Burma, R50	No. 12 (Lower Burma).	
19	160 0 0	(e) Simla, R16	Simla Drawing Office, Simla	(A) Date of re-appointment. Exceeded joining time by 6 days, viz., from 22nd to 27th July 1890, and on half-pay from 1st to 31st July 1890; without pay 4 days in Sep., 4 days in Oct., and 11 days in November 1890.
20	160 0 0	(a) Upper Burma, R80	No. 3 (Mandalay).	
21	160 0 0	(c) Burma, R50	No. 7 (Thongwa).	
22	160 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 18th June 1867.
1	136 0 0	(c) Burma, R50	No. 20 (Burma)	Leave without pay from 2nd to 13th February 1889. Leave on medical certificate, 3 months from 24th May to 23rd August 1890.
2	136 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor. Previous service in G. T. O., Printing Section, from 1st October 1871. Sick leave from 7th February to 6th April 1889.
3	144 0 0	(c) Burma, R75	No. 7 (Thongwa).	
4	144 0 0	. . . . .	No. 5 (N.-W. Provinces)	Medical leave for 1 month from 18th Apl. 1890.
5	136 0 0	(a) Upper Burma, R80	No. 3 (Mandalay).	
6	144 0 0	. . . . .	No. 4 (Western Doars)	Leave without allowances from 12th May 1886 to 11th January 1889.
7	136 0 0	. . . . .	No. 8 (Orissa).	
8	136 0 0	. . . . .	No. 9 (Mandla).	
9	136 0 0	. . . . .	Computing, Dehra Dun	(B) Includes previous service in the Meteorological Department without interruption from 1st January 1883 to 31st December 1888.
10	128 0 0	. . . . .	No. 2 (Eastern Bengal).	
11	128 0 0	. . . . .	No. 10 (Bombay)	
12	120 0 0	On deputation, Forest Department.	Leave on medical certificate from 4th June to 16th July 1890, granted by the Superintendent, Forest Surveys.
13	120 0 0	No. 9 (Mandla)	On probation.
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(a) Department of Finance and Commerce No. 756, dated 11th February 1889.
 (b) Department of Revenue and Agriculture No. 278, dated 18th January 1884.
 (c) Department of Finance and Commerce, No. 6829, dated 25th October 1888.
 (d) Financial Resolution No. 704, dated 22nd February 1886.
 (e) Revenue and Agricultural Department No. 1330, dated 1st November 1890.

Names of Administrative and Technical Offices of the Survey of India Department, as they stood on 1st January 1891.

Names of Offices and Sections.	Nature of Work.	Administrative Superintendent.
Head-Quarters, Calcutta.		
<i>Administrative.</i>		
Surveyor-General's	Accounts, Correspondence	} A. S. G., S. G. O.
Deputy Surveyor-General's, Topo.	Ditto	
Ditto, Rev.	Ditto . . . . .		D. S. G., Rev.
Map Record and Issue	Receipts and Issues of maps	D. Sup.
<i>Technical.</i>		
Drawing	Mapping and Compiling	} A. S. G., D. O.
Engraving	Map engraving by hand	
Lithographic	Mapping, Litho. and Type Printing	} A. S. G., Photo.
Photozincographic	Reproduction of maps	
Mathematical Instrument	Manufactures and repairs of Instruments	A. S. G., M. I. O.
Trigonometrical Branch, Dehra Dun.		
<i>Administrative.</i>		
Deputy Surveyor-General's, Trigonometrical Branch	Accounts, Correspondence	D. S. G., Trig.
<i>Technical Sections.</i>		
Computing	Reduction of Geodetic operations	Ditto.
Drawing	Mapping	Ditto.
Meteorological . . . . .	. . . . .	Ditto.
Photozincographic	Reproduction of maps	Ditto.
Printing	Type Printing	Ditto.
Solar Photographic	Solar Photography	Ditto.
Head-Quarters Office, Simla.		
<i>Administrative.</i>		
Surveyor General's	Direction and Correspondence	S. G.
Simla Drawing Office	Mapping and Compiling	S. G.

Names of Field Parties of the Survey of India Department, as they stood on 1st January 1891.

No. of Party.	Locale of Operations.	Nature of Current Operations.	Administrative Superintendent.
No. 2 .	Eastern Bengal	Cadastral	D. S. G., Rev.
" 3 .	Mandalay	Ditto	Ditto.
" 4 .	Western Dooars	Ditto	Ditto.
" 5 .	N.-W. Provinces	Ditto	Ditto.
" .	Assam	Ditto	Ditto.
" 7 .	Thongwa	Ditto	Ditto.
" 8 .	Orissa	Ditto	Ditto.
" 9 .	Mandla	Traverse	Ditto.
" 10 .	Bombay	Topographical	Ditto.
" 11 .	Upper Burma	Ditto	D. S. G., Topo.
" 12 .	Lower Burma	Traverse	D. S. G., Rev.
" 13 .	Mergui	Topographical	Ditto.
" 14 .	Hoshangabad	Forests	D. S. G., Trig.
" 15 .	Baluchistan	Topographical	D. S. G., Topo.
" 17 .	Bombay	Forests	Ditto.
" 18 .	Himalaya	Topographical	D. S. G., Trig.
" 19 .	Madras	Forests	D. S. G., Topo.
" 20 .	Burma	Ditto	Ditto.
" 21 .	Upper Burma	Topographical	Ditto.
" 22 .	Madras	Longitude Observations	D. S. G., Trig.
" 23 .	Madras	Ditto	Ditto.
" 24 .	Upper Burma	Triangulation	Ditto.
" 25 .	India	Tide Registering and Levelling	Ditto.
Detacht. .	Burdwan Raj Khas Mchals	Cadastral	D. S. G., Rev.
" .	Calcutta City	Ditto	Ditto.
" .	Indus Riverain	Special	Ditto.

Disposition List of Officers of the Survey of India Department attached to the Head-Quarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra and the Office at Simla, 1st January 1891.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Surveyor-General of India .	Colonel H. R. Thuillier, R.E.	. . . .	. . . . .	. . .	. . .	Feb. 19, 87	Direction of all Offices and Superintendence of—
Deputy Surveyor-General, in charge Topographical Branch.	Ditto . . .	. . . .	. . . . .	. . .	. . .	Ditto .	No. 11 Party (Upper Burma II). No. 15 Party (Baluchistan). No. 17 Party (Bombay Forests). No. 19 Party (Madras). No. 20 Party (Burma). No. 21 Party (Upper Burma I). Simla Drawing Office.
(Calcutta.)							
Deputy Surveyor-General, in charge Revenue Branch.	Col. J. Seance, s.c. On furlough.	. . . .	. . . . .	. . .	. . .	Jan. 1, 79	Superintendence of—
Ditto officiating	Lieutenant-Colonel C. Strahan, R.E.	. . . .	. . . . .	. . .	. . .	Oct. 26, 89	No. 2 Party (Eastern Bengal). No. 3 Party (Mandalay). No. 4 Party (West. Doonars). No. 5 Party (N.-W. P.). No. 6 Party (Assam). No. 7 Party (Thongwa). No. 8 Party (Orissa). No. 9 Party (Mandla). No. 10 Party (Bombay). No. 12 Party (Lower Burma). No. 13 Party (Mergui). Burdwan Raj Detachment. Calcutta Detachment. Indus Riverals Detachment.
(Calcutta.)							

Disposition List of Officers of the Survey of India Department attached to the Head-Quarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra and the Office at Simla, 1st January 1891—continued.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Deputy Surveyor-General, in charge Trigonometrical Branch.	Col. G. Strahan, R.E.	. . . .	. . . . .	. . .	. . .	Oct. 12, 89	On privilege leave for 3 months from 27th October 1890.
Ditto officiating.	W. H. Cole, M.A.	. . . .	. . . . .	D. Sup.	2nd	Oct. 27, 90	Superintendence of Offices at Dehra and of— No. 14 Party (Hoshangabad). No. 18 Party (Himalaya). No. 22 Party (Ast. I). No. 23 Party (Ast. II). No. 24 Party (Upper Burma Δtn.). No. 25 Party (Tidal & Leveling). In charge Computing.
(Dehra and Mussoorie.)		J. Eccles, M.A.	. . . . .	D. Sup.	4th	Oct. 27, 90	In charge Computing.
			H. W. Pechers .	S.	2nd	Sep. 1, 71	Computing.
			L. J. Pocock .	S.	3rd	Oct. 1, 89	Ditto.
			C. H. McA'Fee .	S.	3rd	Feb. 1, 85	Drawing Section.
			H. G. Shaw .	A. S.	3rd	July 9, 90	Computing.
Assistant Surveyor-General, Drawing and Engraving Offices.	Colonel W. H. Wilkins, s.c., officiating.	. . . .	. . . . .	D. Sup.	2nd	Oct. 10, 90	Offg., 1st Grade.
(Calcutta.)			G. A. McGill .	S.	1st	Dec. 20, 82	
			H. E. T. Keelan .	S.	1st	Dec. 17, 90	
			S. M. Smylie .	S.	1st	Mar. 12, 83	
			F. Adams .	S.	2nd	June 1, 77	
			A. G. Wyatt .	S.	2nd	Nov. 5, 90	
			W. C. Price .	S.	3rd	Nov. 10, 90	
			A. J. James .	S.	3rd	Nov. 11, 88	
			G. D. Carson .	S.	1st	Nov. 23, 89	
			E. J. Martin .	A. S.	1st	Dec. 1, 82	
			C. W. F. Seyers .	A. S.	1st	Sep. 16, 90	
			W. H. Penrose .	A. S.	1st	Nov. 21, 89	

Disposition List of Officers of the Survey of India Department attached to the Headquarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra and the Office at Simla, 1st January 1891—concluded.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Assistant Surveyor-General, Surveyor-General's Office, and Mathematical Instrument Office. (Calcutta.)	Lt.-Col. M. W. Rogers, M.E.	. . . . .	. . . . .	D. Sup.	2nd	May 7, 89	
Assistant Surveyor-General, Lithographic and Photographic Offices. (Calcutta.)	Col. J. Waterhouse, M.C.	. . . . .	. . . . .	D. Sup.	2nd	Dec. 1, 66	
Charge of Map Record and Issue Office. (Calcutta.)	T. Archdale Pope	. . . . .	. . . . .	A. Sup.	1st	Sep. 10, 90	Offg. Dy. Supdt., 4th Grade.
			B. M. Wilson	A. S.	2nd	Nov. 1, 82	
Charge of Drawing Office. (Simla.)	Lt.-Col. T. H. Holdich, M.E.	. . . . .	. . . . .	D. Sup.	2nd	Feb. 1, 90	
			G. W. E. Atkinson	S.	1st	Feb. 1, 90	
			W. J. Cornelius	S.	4th	Feb. 1, 90	
			A. Kitchen	A. S.	1st	Feb. 1, 90	
			F. E. Ward	A. S.	2nd	May 1, 90	

List of Technical and Ministerial Officers of the Survey of India Department drawing Rs. 100 and above, as it stood on 1st January 1891.

Names.	Age.	Designation.	Salary.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
	Y. M. D.		Rs. a. p.			
HEAD-QUARTERS OFFICES, CALCUTTA.						
Correspondence Office.						
T. W. Babonau	46 10 7	Registrar	500 0 0	Aug. 9, 1861	Apl. 1, 1887	
A. E. Byrn	53 1 0	Head Assistant	300 0 0	Oct. 9, 1854	Jan. 1, 1874	
		Personal allee.	100 0 0			
M. Francis	53 10 18	Head Clerk	300 0 0	Jan. 13, 1855	June 1, 1890	Short-drawn R20.
H. H. Fenwick	38 1 21	Ditto	250 0 0	Apl. 20, 1883	Dec. 1, 1890	Short-drawn R35. On leave without pay for 3 months from 1st January 1891. On probation.
C. O. Gray	29 10 15	Ditto	250 0 0	Feb. 4, 1879	Jan. 1, 1891	Short-drawn R50.
H. R. Vallis	40 10 12	Ditto	225 0 0	Mar. 5, 1869	Dec. 1, 1890	Ditto R25.
C. B. Heysbam	33 1 0	Ditto	200 0 0	Dec. 1, 1890	Dec. 1, 1890	On probation. Short-drawn R70.
J. A. Vallis	42 4 21	Clerk	175 0 0	Apl. 1, 1871	Dec. 1, 1889	
T. E. Ware	44 7 1	Ditto	150 0 0	Sep. 21, 1871	July 17, 1886	
Kali Pudo Bauerjee	51 2 4	Ditto	125 0 0	Jan. 1, 1859	Sep. 1, 1885	
Baney Madhub Bauerjee	46 9 0	Ditto	125 0 0	Mar. 20, 1868	Aug. 1, 1886	
Doorga Narain Ghose, B.A.	44 1 0	Ditto	100 0 0	Apl. 5, 1869	Mar. 1, 1886	
Bama Churn Chuckerbutty	53 7 18	Ditto	100 0 0	Jan. 1, 1859	Dec. 1, 1886	
Ram Kristo Chunder	51 3 0	Ditto	100 0 0	May 14, 1857	Feb. 1, 1889	
Drawing Office.						
G. A. McGill	. . . . .	Chief Draftsman	600 0 0	. . . . .	June 2, 1884	
S. M. Synlie	. . . . .	Head ditto	500 0 0	. . . . .	Nov. 24, 1888	Exclusive of house-rent, R45.
G. D. Cusson	. . . . .	Draftsman	325 0 0	. . . . .	Feb. 1, 1890	
EUROPEAN DRAFTSMEN.						
W. Green	51 3 20	Draftsman	300 0 0	Jan. 1, 1862	Jan. 1, 1890	
A. J. Musgrove	32 10 10	Ditto	250 0 0	Apl. 22, 1877	Jan. 1, 1891	Short-drawn R40.
J. R. Adels	43 9 16	Ditto	200 0 0	Mar. 23, 1866	Sep. 1, 1874	
A. Descubes	36 5 15	Ditto	175 0 0	. . . . .	. . . . .	On deputation, Forest Department.
R. Sinclair	29 0 29	Ditto	150 0 0	Jan. 1, 1880	Jan. 1, 1890	
A. S. Bateman	34 1 26	Ditto	100 0 0	Dec. 6, 1882	Oct. 1, 1887	

List of Technical and Ministerial Officers of the Survey of India Department drawing $\text{R}100$ and above, as it stood on 1st January 1891—continued.

Names.	Age.	Designation.	Salary.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
	Y. M. D.		R a. p.			
HEAD-QUARTERS OFFICES, CALCUTTA —contd.						
Drawing Office —concl'd.						
NATIVE DRAFTSMEN.						
Hari Hur Sen . . .	59 9 23	Draftsman .	150 0 0	Feb. 5, 1857	June 15, 1889	Extension of 5 years service from 9th March 1886.
Mohesh Chunder Shaw .	54 0 25	Ditto .	125 0 0	Dec. 1, 1856	June 15, 1889	
Muttiullah . . .	48 3 16	Ditto .	100 0 0	Dec. 29, 1862	July 1, 1890	
Additional Establishment, Drawing Office.						
Vacant . . .	. . .	Draftsman .	400 0 0	. . . .	. . . .
Vacant . . .	. . .	Ditto .	300 0 0	. . . .	. . . .
Engraving Office.						
G. G. Palmer . . .	60 11 9	Head Engraver	800 0 0	Sep. 5, 1872	Sep. 22, 1887	Extension of 6 years' service from 23rd January 1886. Further extension of service for 8 months.
W. Donaldson . . .	50 1 23	2nd Engraver	700 0 0	Nov. 6, 1868	Jan. 1, 1884	
J. Fulford . . .	47 5 26	3rd ditto .	500 0 0	Oct. 10, 1872	Oct. 7, 1890	
T. B. Rodger . . .	39 3 24	4th ditto .	450 0 0	Aug. 20, 1872	Oct. 7, 1890	
S. M. Coard . . .	32 4 11	5th ditto .	400 0 0	Feb. 1, 1875	Oct. 7, 1890	
A. W. N. James . . .	30 11 11	6th ditto .	350 0 0	Mar. 15, 1878	Oct. 7, 1890	
A. R. Coard . . .	29 2 29	7th ditto .	300 0 0	Mar. 15, 1878	Oct. 7, 1890	
E. C. Ollenbach . . .	29 11 8	8th ditto .	250 0 0	Aug. 1, 1879	Oct. 7, 1890	
E. Earle . . .	26 9 11	9th ditto .	200 0 0	May 1, 1880	Oct. 7, 1890	
L. H. Musgrove . . .	26 8 4	10th ditto .	150 0 0	July 1, 1882	Oct. 7, 1890	
F. B. C. Scallan . . .	20 5 28	11th ditto .	100 0 0	Aug. 11, 1884	Oct. 7, 1890	Short-drawn $\text{R}10$.
W. T. Collins . . .	32 2 1	Copper-plate Printer.	150 0 0	Jan. 6, 1880	May 1, 1884	
Abdul Wahid . . .	42 8 27	1st Native Engraver.	110 0 0	Aug. 1, 1869	Dec. 1, 1890	
Joy Kristo Shaw . . .	42 2 28	2nd ditto .	100 0 0	Aug. 1, 1869	Aug. 1, 1883	
Lithographic Office.						
DRAWING SECTION.						
H. L. Lepage . . .	47 7 15	Head Assistant	450 0 0	July 15, 1871	Dec. 1, 1881	
Ambica Churn Mukerjee	37 0	Examiner .	100 0 0	July 10, 1878	May 1, 1890	Short-drawn $\text{R}6$.

List of Technical and Ministerial Officers of the Survey of India Department drawing $\text{R}100$ and above, as it stood on 1st January 1891—continued.

Names.	Age.	Designation.	Salary.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
	Y. M. D.		R a. p.			
HEAD-QUARTERS OFFICES, CALCUTTA —contd.						
Lithographic Office—concl'd.						
LITHOGRAPHIC PRESS SECTION.						
D. Deas . . .	35 3 21	Head Lithographic Printer.	300 0 0	Nov. 29, 1883	Nov. 9, 1888	
S. U. Ravenscroft . . .	21 10 10	Asst. ditto .	100 0 0	Dec. 1, 1887	Aug. 1, 1888	Short-drawn $\text{R}40$.
TYPOGRAPHIC SECTION.						
E. D'Pyvah . . .	40 3 16	Head Printer .	100 0 0	Aug. 1, 1868	Nov. 1, 1884	
Mathematical Instrument Office.						
WORKSHOP SECTION.						
T. Bolton, F.R.A.S., London.	45 11 21	Mathematical Instrument-maker.	750 0 0	Sep. 16, 1867	Nov. 11, 1879	
F. Marshall . . .	34 11 23	Assistant Mathematical Instrument-maker.	500 0	Jan. 3, 1881	Jan. 3, 1887	
CORRESPONDENCE SECTION.						
W. Campagnac . . .	32 3 11	Head Clerk .	200 0 0	Apl. 1, 1882	Jan. 1, 1891	{ On probation. Short-drawn $\text{R}50$.
W. R. Tulloch . . .	22 3 0	2nd Clerk .	100 0 0	Apl. 1, 1888	Jan. 1, 1891	{ On probation. Short-drawn $\text{R}60$.
STONE SECTION.						
M. C. Belletty . . .	35 11 0	Store-keeper .	150 0 0	Apl. 15, 1878	Jan. 1, 1891	{ On probation. Short-drawn $\text{R}50$.
Photographic Office.						
NORMAL ESTABLISHMENT.						
<i>Negative Section.</i>						
<i>Photo. Transfer Printing Section.</i>						
J. Harrold . . .	55 7 8	Photographer .	330 0 0	Mar. 19, 1873	Mar. 11, 1880	Inclusive of house-rent, $\text{R}30$.
<i>Silver Printing Section.</i>						
T. Lloyd . . .	36 1 24	Photographer (Officiating).	200 0 0	July 16, 1873	Nov. 1, 1887	Short-drawn $\text{R}7$.
<i>Heliogravure and Collo-type Section.</i>						
A. W. Turner . . .	38 2 13	Photo. Engraver	400 0 0	May 1, 1885	May 1, 1890	
<i>Zinc Printing Section.</i>						
D. Mackenzie . . .	49 10 7	Zincographer .	330 0 0	Nov. 24, 1867	Nov. 24, 1879	Inclusive of house-rent, $\text{R}30$.
<i>General Office Establishment.</i>						
W. Moore . . .	32 1 27	Store-keeper .	200 0 0	Sep. 15, 1883	Feb. 1, 1890	

List of Technical and Ministerial Officers of the Survey of India Department drawing ₹100 and above, as it stood on 1st January 1891—concluded.

Names.	Age.	Designation.	Salary.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.	
	Y. M. D.		₹ a. p.				
HEAD-QUARTERS OFFICES, CALCUTTA							
—concl'd.							
Photographic Office—concl'd.							
CADASTRAL ESTABLISHMENT.							
<i>Negative Section.</i>							
Vacant . . . . .	. . . . .	Photographer .	330 0 0	. . . . .	. . . . .	Inclusive of house-rent, ₹30.
L. Lagnier	40 0 0	Ditto .	200 0 0	Feb. 1, 1876	Feb. 1, 1881	Inclusive of house-rent, ₹20.	
Ismail Khan	42 10 0	Asst. ditto (Officiating).	100 0 0	May 1, 1868	Oct. 3, 1887	Short-drawn ₹20.	
<i>Photo. Transfer Printing Section.</i>							
B. George	44 7 27	Photographer .	330 0 0	Feb. 1, 1876	Feb. 1, 1890	Inclusive of house-rent, ₹30.	
<i>Zinc Printing Section.</i>							
E. A. LeFranc	34 0 20	Zincographer .	330 0 0	Nov. 15, 1876	Jan. 1, 1890	Inclusive of house-rent, ₹30.	
F. R. Vandyke	25 3 3	Ditto .	330 0 0	July 29, 1885	Aug. 2, 1889	Ditto short-drawn, ₹185.	
J. B. Mackenzie	25 8 15	Asst. ditto .	100 0 0	Oct. 1, 1880	Aug. 1, 1890	Short drawn ₹5.	
<i>General Office Establishment.</i>							
H. Haward	40 10 20	Head Assistant	500 0 0	Nov. 16, 1883	Nov. 16, 1889	Short-drawn ₹50.	
TRIGONOMETRICAL BRANCH OFFICE, DEHRA DUN.							
<i>Computing Section.</i>							
Cally Mohun Ghose	47 8 0	Computer .	180 0 0	Nov. 6, 1865	Apl. 1, 1890	(a) Date of appointment to Educational Department, Joined Computing Office, Survey of India, 10th April 1868.	
Cally Coomar Chatterjee	48 8 0	Ditto .	130 0 0	Aug. 12, 1865	Apl. 1, 1890		
Amba Pershad	48 5 16	Ditto .	120 0 0	July 26, 1865	May 1, 1890		
Shoshi Bhooshun Shome	41 2 16	Ditto .	115 0 0	Apl. 15, 1872	May 1, 1890		
Shiv Nath Saha	40 3 1	Ditto .	115 0 0	Nov. 26, 1873	May 1, 1890		
Mizaji Lal	40 11 1	Ditto .	115 0 0	Feb. 14, 1872	May 1, 1890		
Tarapodo Mookerjee	51 7 0	Ditto .	105 0 0	May 21, 1862	Sep. 1, 1888		
Umbica Churan Shome	47 5 16	Ditto .	105 0 0	Feb. 8, 1867(a)	Sep. 1, 1888		
<i>Photosinco. Section.</i>							
J. S. Manuel	39 8 1	Assistant Zincographer.	110 0 0	July 16, 1889	May 1, 1890		
<i>Printing Section.</i>							
B. V. Hughes	51 1 0	Printer .	250 0 0	Nov. 1, 1880(b)	July 1, 1886	(b) Date of appointment to Survey of India. Previous Military service excluded.	
<i>Correspondence Section.</i>							
F. A. D' Rozario	41 7 28	Head Clerk .	250 0 0	Oct. 14, 1874	July 1, 1890		
<i>Solar Photographic Section.</i>							
C. F. Guthrie	29 9 17	Asst. Solar Photographer.	100 0 0	Nov. 1, 1880	Oct. 1, 1888		
SIMLA DRAWING OFFICE.							
H. Sindon	42 0 29	Draftsman .	105 0 0	Jan. 1, 1865	Sep. 1, 1888		

Disposition List of Officers of the Survey of India

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
		D. S. G.				
2	Eastern Bengal (Cadastral.)	Rev.	F. Grant	A. Sup.	1st	Nov. 1, 79
			W. J. O'Sullivan	S.	3rd	Nov. 7, 89
			J. McHatton	S.	4th	Jan. 1, 80
			P. C. H. Smart	A. S.	1st	Oct. 1, 85
			C. G. Lee	A. S.	2nd	Nov. 7, 89
			Sarat Chunder Sen	A. S.	3rd	Dec. 1, 89
Recess quarters, Barrackpore.			Professional Establishment (Permanent) . .			
			Cadastral ditto (Temporary) . .			
3	Mandalay (Cadastral.)	Rev.	G. B. Scott	D. Sup.	4th	Oct. 24, 89
			J. Connor	S.	4th	Feb. 1, 90
			J. Newland	S.	4th	Nov. 1, 90
			G. Campbell	A. S.	1st	Nov. 1, 90
			O. D. Smart	A. S.	2nd	Feb. 20, 88
			E. J. Serrao	A. S.	2nd	Nov. 1, 90
			F. P. Walsh	A. S.	2nd	Oct. 11, 89
			W. J. Baker	A. S.	3rd	Jan. 25, 88
Recess quarters, Mandalay			Professional Establishment (Permanent) . .			
			Cadastral ditto (Temporary) . .			
4	Western Doars (Cadastral.)	Rev.	Capt. G. B. Hodgson, s.o.	D. Sup.	4th	Nov. 17, 90
			H. T. Hanby	S.	2nd	May 1, 70
			G. T. Hall	A. S.	1st	Nov. 1, 89
			G. A. Knight	A. S.	1st	Nov. 1, 90
			L. F. Berkeley	A. S.	1st	Aug. 16, 75
			W. H. D. Ewing	A. S.	1st	Nov. 1, 90
			C. G. S. Wood	A. S.	3rd	Nov. 12, 89
Recess quarters, Hazaribagh			Professional Establishment (Permanent) . .			
			Cadastral ditto (Temporary) . .			

Department attached to Field Parties, 1st January 1891.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Sub-Surveyors and Computers.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	Offg. Deputy Superintendent, 4th Grade.
15	1	175	1	20	} 1,92,460	
96	. . . .	464	. . . .	. . . .
27	2	347	. . . .	4	} 2,49,260	
26	1	2	. . . .	. . . .
20	1	218	1	17	} 1,37,950	
70	1	840	. . . .	. . . .

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
		D. S. G.				
5	N.-W. Provinces (Cadastral.)	Rev.	Lt.-Col. J. E. Sandeman, s.c.	D. Sup.	2nd	Nov. 1, 83
			Lt. R. T. Crichton, s.c.	A. Sup.	2nd	Dec. 16, 89
			T. F. Freeman	A. S.	1st	Oct. 1, 76
			J. Murphy	A. S.	1st	July 2, 83
			A. W. Smart	A. S.	1st	Oct. 1, 85
			N. Bedford	A. S.	2nd	Jan. 10, 84
			W. V. Skilling	A. S.	2nd	Oct. 1, 85
			J. H. Murphy	A. S.	3rd	Nov. 1, 87
	Recess quarters, Nalni Tal.					Professional Establishment (Permanent) . . . Cadastral ditto (Temporary) . . .
6	Assam (Cadastral.)	Rev.	E. C. Barrett	D. Sup.	3rd	July 25, 83
			J. H. O'Donel	S.	3rd	Oct. 29, 83
			C. W. Wilson	A. S.	1st	Nov. 1, 89
			J. Smith	A. S.	2nd	Nov. 1, 84
	Recess quarters, Shillong .					Professional Establishment (Permanent) . . . Cadastral ditto (Temporary) . . .
7	Thongwa (Cadastral.)	Rev.	C. Wood	A. Sup.	1st	Dec. 1, 90
			H. R. Littlewood	S.	1st	Oct. 21, 85
			G. W. Jarbo	S.	4th	Nov. 1, 80
			J. S. Swiney	A. S.	1st	Apr. 14, 82
			F. B. Powell	A. S.	2nd	Apr. 1, 80
			J. A. T. Haddock	A. S.	3rd	Nov. 26, 87
	Recess quarters, Rangoon .					Professional Establishment (Permanent) . . . Cadastral ditto (Temporary) . . .

attached to Field Parties, 1st January 1891—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Sub-Surveyors and Computers.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg., 1st Grade.
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Ditto.
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Surveyor, 4th Grade.
19	. . . . .	140	1	19	} 1,60,930	
260	. . . . .	650	. . . . .	. . . . .
22	. . . . .	137	1	8	} 94,400	
160	. . . . .	225	. . . . .	. . . . .
25	1	149	1	18	} 1,86,300	
158	1	280	. . . . .	. . . . .

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
		D. S. G.				
8	Orisea (Cadastral.)	Rev.	W. H. Patterson	D. Sup.	4th	Oct. 29, 89
			R. C. D. Ewing	S.	4th	Sep. 12, 87
			S. O. Madras	S.	4th	Oct. 1, 90
			C. S. Kraal	A. S.	1st	Nov. 15, 88
			E. F. Berkeley	A. S.	2nd	Nov. 1, 90
			J. P. Barker	A. S.	2nd	Dec. 1, 89
			C. S. Gasper	A. S.	3rd	Mar. 2, 88
Recess quarters, Cuttack .			Professional Establishment (Permanent) . .			
			Cadastral ditto (Temporary) . .			
9	Mandla (Traverse.)	Rev.	G. H. Cooke	D. Sup.	3rd	Oct. 26, 85
			H. Dowman	S.	2nd	Nov. 1, 85
			A. George	A. S.	1st	Nov. 1, 86
			C. H. G. Johnson	A. S.	3rd	Nov. 1, 89
			G. Rae	A. S.	3rd	Nov. 19, 90
Recess quarters, Kampti .						
10	Bombay (Topo.)	Rev.	Col. H. S. Hutchinson, s.o.	D. Sup.	3rd	Oct. 22, 87
			W. Todd	S.	1st	Oct. 1, 88
			W. Stotesbury	S.	3rd	Nov. 1, 90
			C. Tapsell	S.	4th	Mar. 1, 88
			W. M. Kelly	A. S.	1st	Nov. 1, 79
			R. R. Dickinson	A. S.	1st	May 1, 86
			W. F. E. Adams	A. S.	3rd	Aug. 26, 89
Recess quarters, Poona .						
11	Upper Burma (Topo.)	Topo.	M. J. Ogle	A. Sup.	2nd	May 16, 90
			A. J. Wilson	S.	1st	Nov. 1, 89
			F. Kitchen	S.	3rd	Nov. 1, 89
			P. J. W. Doran	S.	4th	May 12, 90
Recess quarters, Bangalore						

attached to Field Parties, 1st January 1891—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Sub-Surveyors and Computers.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg., 3rd Grade.
20	1	200	1	16	1,45,520	
170	. . . . .	450	. . . . .	. . . . .
35	1	330	...	14	73,770	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg., 2nd Grade.
19	1	190	1	12	77,520	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg., 1st Grade.
11	1	120	1	9	70,930	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
		D. S. G.				
12	Lower Burma (Traverse.) Recess quarters, Rangoon .	Rev.	Er J. Jackson	D. Sup.	3rd	Oct. 29, 86
			W. S. Buttress	S.	2nd	Oct. 1, 89
			E. G. Little	S.	2nd	Feb. 1, 90
			R. B. Smart	S.	3rd	Oct. 1, 90
			W. E. Johnson	A. S.	2nd	Nov. 1, 90
			T. W. Babonau (Jr.)	A. S.	2nd	Nov. 22, 89
			F. S. Bell	A. S.	2nd	Oct. 11, 89
13	Mergui (Topo.) Recess quarters, Bangalore	Rev.	A. D'Souza	D. Sup.	4th	Apl. 11, 86
			A. J. Gibson	S.	2nd	Nov. 1, 87
			G. Vander Beek	A. S.	1st	Oct. 1, 89
			P. White	A. S.	1st	Oct. 1, 89
			R. F. Warwick	A. S.	1st	Oct. 1, 89
			J. A. Higgs	A. S.	1st	Nov. 1, 90
			M. Gastaud	A. S.	2nd	Nov. 1, 90
14	Hoshangabad (Topo. Forests.) Recess quarters, Mussoorie	Trig.	Col. J. R. Wilmer, s.c.	D. Sup.	3rd	Oct. 23, 88
			A. Christie	S.	3rd	Oct. 1, 87
			N. C. Gwynne	S.	3rd	Apl. 1, 90
			J. Keating	A. S.	1st	Oct. 1, 89
			D. Campbell	A. S.	1st	Apl. 17, 88
15	Baluchistan (Topo.) Recess quarters, Quetta .	Topo.	Lt.-Col. T. H. Holdich, B.M.	D. Sup.	2nd	Nov. 3, 88
			Capt. R. J. H. L. Mackenzie, B.M.	A. Sup.	1st	Oct. 1, 88
			T. E. M. Claudius	S.	3rd	Oct. 1, 83
			E. A. Wainright	S.	4th	Oct. 1, 89
			E. Graham	A. S.	1st	Oct. 1, 88
			G. P. Tate	A. S.	1st	Oct. 1, 88
			Yusuf Sharif, Khan Bahadar	A. S.	2nd	Apl. 1, 89
			Bal Hira Sing, Bahadur	A. S.	3rd	Feb. 15, 88

attached to Field Parties, 1st January 1891—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Sub-Surveyors and Computers.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
30	1	324	1	1½	1,22,000	
25	1	250	1	8	1,11,790	
40	1	305	1	14	82,740	Offg., 2nd Grade.
1		173	1	12	1,14,640	Offg. Deputy Superintendent, 4th Grade.

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
		D. S. G.				
17	Bombay (Topo. Forests.)	Topo.	Col. A. Pullan, s.c.	D. Sup.	1st	Oct. 30, 86
			A. M. Lawson	S.	2nd	Oct. 1, 88
			S. F. Norman	A. S.	1st	Sep. 1, 74
			C. Norman	A. S.	1st	Oct. 12, 74
Recess quarters, Poona						
18	Himalaya (Topo.)	Trig.	Major St. G. C. Gore, R.E.	D. Sup.	3rd	Oct. 31, 90
			Lt. J. W. Bythell, R.E.	A. Sup.	1st	Nov. 2, 90
			C. D. Potter	S.	4th	Nov. 1, 87
			W. Robert	A. S.	1st	Sep. 1, 78
			W. A. Fielding	A. S.	1st	Oct. 1, 87
			P. F. Prunty	A. S.	1st	Sep. 1, 86
			R. W. Senior	A. S.	1st	Oct. 1, 89
Recess quarters, Simla						
19	Madras (Topo. Forests.)	Topo.	Lt.-Col. J. R. McCullagh, R.E.	D. Sup.	2nd	June 21, 88
			C. F. Hamer	S.	3rd	Nov. 1, 87
			Hugh Todd	S.	4th	Oct. 1, 76
			R. Todd	A. S.	1st	Oct. 1, 84
			T. J. J. Mills	A. S.	2nd	Oct. 1, 84
			Recess quarters, Bangalore			
20	Burma (Topo. Forests.)	Topo.	Col. R. Beavan, s.c.	D. Sup.	3rd	Dec. 20, 88
			W. A. Wilson	S.	2nd	Nov. 15, 90
			J. A. Barker	S.	4th	Dec. 1, 87
			A. Ewing	A. S.	2nd	Nov. 1, 89
			H. A. Charrier	A. S.	3rd	Nov. 1, 89
			Recess quarters, Rangoon			

attached to Field Parties, 1st January 1891—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Sub Surveyors and Computers.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkunduzes and Peons.		
33	1	195	. . . .	10	74,880	
. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	Offg. Deputy Superintendent, 4th Grade.
32	1	220	1	8	75,644	
25	1	226	1	24	70,280	
24	1	529	1	11	1,06,900	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Admi- nistrative Superin- tendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
		D. S. G.				
21	Upper Burma (Topo.) Recess quarters, Bangalore.	Topo.	Major J. B. Hobday, s.c.	D. Sup.	3rd	Mar. 20, 86
			Capt. F. B. Longe, R.E.	D. Sup.	3rd	Nov. 21, 90
			Lt. T. F. B. Renny-Tailyour, R.E.	A. Sup.	1st	Apr. 1, 88
			Lt. P. J. Gordon, s.c.	A. Sup.	2nd	Nov. 21, 90
			H. T. Kitchen	S.	4th	Nov. 1, 89
			W. C. G. Barkley	A. S.	1st	May 16, 90
			C. George	A. S.	1st	Nov. 1, 89
22	Madras (Astronomical.) Recess quarters, Mussoorie	Trig.	Lt. G. P. Lenox-Conyngham, R.E.	A. Sup.	1st	Oct. 22, 90
23	Madras (Astronomical.) Recess quarters, Mussoorie.	Trig.	Lt. G. P. Lenox-Conyngham, R.E.	A. Sup.	1st	Oct. 1, 89
24	Upper Burma (Triangulation.) Recess quarters, Mussoorie.	Trig.	Lt. C. F. Close, R.E.	A. Sup.	1st	Sep. 8, 90
			T. H. Rendell	S.	3rd	Sep. 15, 89
			J. Hickie	S.	4th	Oct. 1, 88
			B. R. Hughes	A. S.	2nd	Oct. 1, 88

attached to Field Parties, 1st January 1891—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Sub-Surveyors and Computers.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
...	...	...	...	...	...	On special duty.
...	...	...	...	...	...	In charge.
...	...	...	...	...	...	Offg. Deputy Superintendent, 4th Grade. On special duty.
10	1	95	...	2	87,310	
	1	20	1	...	16,894	
...	1	20	...	...	17,955	
2	1	89		91	69,762	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
		D. S. G.				
25	India, (Tidal and Levelling.)	Trig.	Lt-Col. J. Hill, B.E.	D. Sup.	2nd	Nov. 18, 90
			G. Belcham	S.	2nd	Sep. 1, 79
			E. J. Connor	S.	4th	Dec. 1, 77
			J. Bond	S.	4th	June 1, 88
	Recess quarters, Poona					
Detacht:	Burdwan Raj Khas Mehals (Cadastral.)	Rev.	T. Shaw	A. S.	1st	Dec. 1, 88
	Recess quarters, Chinsurah.					
				Professional Establishment (Permanent).		
				Cadastral ditto (Temporary).		
Detacht:	Calcutta City (Cadastral.)	Rev.	Col. W. H. Wilkins, s.c.	D. Sup.	2nd	Sept. 22, 90
			D. Atkinson	S.	1st	Dec. 1, 86
			A. B. Smart	A. S.	2nd	Oct. 1, 85
	Recess quarters, Calcutta			Professional Establishment (Permanent).		
				Cadastral ditto (Temporary).		
Detacht:	Indus Riverain (Boundary Survey.)	Rev.	J. S. Pemberton	S.	1st	Nov. 1, 90
	Recess quarters, Simla					

attached to Field Parties, 1st January 1891—concluded.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Sub-Surveyors and Computers.	Writers.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
18	1	35	...	10	51,053	
...	1	...	...	1	} 30,660	
9	...	61	...	4		
...	...	...	...	...	...	Offg., 1st Grade.
4	...	27	...	...	} 21,940	
46	...	36	...	...
11	1	34	0	4	8,000	

**Disposition List of Officers of the Survey of India Department
temporarily transferred to other Departments, or on furlough,
&c., 1st January 1891.**

Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Govt. or Dept. to which transferred.	REMARKS.	
<i>On Deputation.</i>						
Capt. B. A. Wahab	D. Sup.	3rd	Military	Miranzai and Black Mountain Expeditions.	
W. H. Reynolds . . . . .	. . . . .	Offg. D. Sup.	3rd	Forest Department.	
E. F. Litchfield . . . . .	. . . . .	Offg. A. Sup.	1st	Ditto.	
	T. H. Dunne	S.	4th	Central Provinces.		
	J. R. Scott	S.	4th	Ditto.		
	G. C. Swiney	A. S.	1st	Ditto.		
	C. P. Torrens	A. S.	1st	Burma.		
	G. E. Parker	A. S.	1st	Central Provinces.		
	E. P. S. Hill	A. S.	1st	Ditto.		
	P. A. Peters	A. S.	1st	Straits Settlements.		
	T. Marten	A. S.	1st	Forest Department.		
	J. Marten	A. S.	1st	Ditto.		
	J. M. Kennedy	A. S.	1st	Foreign		Kaington-Chengmai Mission.
	P. Beechey	A. S.	2nd	Burma.		
	J. H. Nichols	A. S.	3rd	Forest Department.		
<i>On Furlough, &c.</i>						
Col. J. Sconce, s.o.	D. S. G.	For 1 year and 153 days from 1st November 1889.	
Col. W. Barron, s.o.	D. Sup.	1st	For 1 year and 275 days from 20th February 1889; extension for 3 months.	
Col. S. H. Cowan s.o.	D. Sup.	3rd	For 1 year and 163 days from 20th October 1889.	
Captain H. M. Jackson, B.E.	D. Sup.	4th	For 1 year from 8th November 1890.	
Capt. S. G. Burrard, B.E.	D. Sup.	4th	For 1 year on medical certificate, from 2nd November 1890.	
Capt. J. M. Fleming, s.o.	A. Sup.	1st	For 18 months from 9th January 1890.	

