

LIST OF OFFICERS

IN

1894-9

THE SURVEY OF INDIA DEPARTMENT

CORRECTED TO

1st JANUARY 1894.



8

CALCUTTA.  
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.  
1894.



# SURVEY OF INDIA DEPARTMENT.

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## Classified List of Officers of the Senior Division, Survey

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of appointment to the present grade or post.	* Period of service counting towards pension on 1st January 1894.	
								Y. M. D.	
		<b>Administrative Staff.</b>							
1	1	Col. H. R. Thuillier, C.I.E., B.E.	G. T. S.	PH.	26 3 38	May 21, 1859	Feb. 19, 1887	. . .	
1	1	Lt.-Col. C. Strahan, B.E.	Topogl.	. . . .	6 5 43	Sep. 26, 1863	Apl. 2, 1891	. . .	
1	1	Col. G. Strahan, B.E.	Topogl.	PH.	5 2 39	July 2, 1862	Oct. 12, 1889	. . .	
1	1	Lt.-Col. J. E. Sandeman, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1892	. . .	
1	1	Col. W. H. Wilkins, I.S.O.	. . . .	. . . .	. . . .	. . . .	Oct. 10, 1890	. . .	
2	2	Col. J. Waterhouse, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1874	. . .	
3	3	Lt.-Col. M. W. Rogers, B.E.	. . . .	. . . .	. . . .	. . . .	May 7, 1889	. . .	
		<b>SENIOR DIVISION.</b>							
		<b>Superintendents.</b>							
		<b>1st GRADE.</b>							
		<i>Salary R1,600.</i>							
1	1	Col. W. H. Wilkins, I.S.O.	Rev.	PH.	6 10 41	Apl. 27, 1863	Feb. 19, 1891	. . .	
2	2	Lt.-Col. J. E. Sandeman, I.S.O.	Rev.	PH.	2 9 43	Oct. 6, 1864	Mar. 31, 1891	. . .	
3	3	Bt.-Col. T. H. Holdich, B.E.	Topogl.	LS.	16 2 43	July 23, 1866	Apl. 2, 1891	. . .	
		<b>2nd GRADE.</b>							
		<i>Salary R1,300.</i>							
1	1	Col. J. Waterhouse, I.S.O.	Topogl.	PH.	24 7 42	July 23, 1866	Apl. 26, 1889	. . .	
2	2	Lt.-Col. M. W. Rogers, B.E.	G. T. S.	LS.	3 2 42	July 30, 1866	June 28, 1889	. . .	
3	3	Lt.-Col. J. Hill, B.E.	G. T. S.	...	24 12 40	Dec. 18, 1866	Oct. 1, 1890	. . .	
4	4	Lt.-Col. J. R. McCullagh, B.E.	G. T. S.	LS.	25 3 42	Feb. 12, 1869	Dec. 10, 1890	. . .	
5	5	Col. J. R. Wilmer, I.S.O.	Topogl.	IIS.	20 1 41	Aug. 24, 1869	Feb. 19, 1891	. . .	
6	6	Col. H. S. Hutchison, I.S.O.	Rev.	PH.	25 4 40	Aug. 13, 1867	Apl. 2, 1891	. . .	
7	7	E. C. Barrett	Rev.	HS.	14 4 43	Dec. 30, 1868	Oct. 13, 189	30 3 0	

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

## of India Department, as it stood on 1st January 1894.

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.	
1	2,200 0 0	. . . . .	Deputy Surveyor-General, in charge Revenue Branch.	
1	2,000 0 0	. . . . .	Deputy Surveyor-General, in charge Trigonometrical Branch, Dehra Dun.	
1	2,000 0 0	. . . . .	Director, Bengal Surveys.	
1	1,600 0 0	(a) Presidency, R60	Assistant Surveyor-General	In charge Engraving and Drawing Offices, Head-Quarters, Calcutta.
2	1,300 0 0	(b) Special, R200	Assistant Surveyor-General	In charge Lithographic and Photographic Offices, Head-Quarters, Calcutta.
3	1,543 8 0	(a) Presidency, R60	Assistant Surveyor-General	In charge Surveyor-General's and Mathematical Instrument Offices, Head-Quarters, Calcutta.
1	. . . . .	. . . . .	Head-Quarters, Calcutta.	
2	. . . . .	. . . . .	Head-Quarters, Calcutta.	
3	1,600 0 0	. . . . .	In charge No. 15 (Baluchistan)	
1	. . . . .	. . . . .	Head-Quarters, Calcutta.	
2	. . . . .	. . . . .	Head-Quarters, Calcutta.	
3	1,543 8 0	(c) Deputation, R100	In charge No. 25 (Tidal and Levelling).	
4	. . . . .	. . . . .	. . . . .	Furlough for 1 year 3 months and 18 days from 1st October 1893.
5	1,300 0 0	. . . . .	In charge No. 14 (Nimar).	
6	1,300 0 0	. . . . .	In charge No. 17 (Bombay Forests).	
7	1,300 0 0	. . . . .	In charge No. 6 (Assam)	Joined the Junior Division, 18th November 1862.

(a) Department of Agriculture, Revenue and Commerce memorandum No. 213, dated 14th May 1878.  
 (b) Ditto of Agriculture, Revenue and Commerce memorandum No. 731, dated 31st October 1879.  
 (c) Ditto of Revenue and Agriculture No. 518-81-4, dated 18th September 1884.



## 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.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	*Period of service counting towards pension on 1st January 1894.
		<b>SENIOR DIVISION</b> —contd.						Y. M. D.
		<b>Deputy Superintendents.</b>						
		<b>1st GRADE.</b>						
		<i>Salary Rs.1,000.</i>						
	9	1 Col. R. G. Woodthorpe, O.B., R.B.	Topogl.	LS.	23 9 44	July 14, 1871 June 5, 1892A	June 5, 1892	. . .
		2 G. H. Cooke . . . .	Rev.	LS.	29 10 44	Apl. 1, 187	Aug. 12, 1889	25 6 8
		3 E. J. Jackson . . . .	Rev.	HS.	6 11 44	Nov. 5, 1868	Oct. 1, 1890	25 6 8
		4 Major St. G. C. Gore, R.B.	G. T. S.	. . . .	24 2 49	Apl. 11, 1873	Oct. 31, 1890	. . .
		5 Major J. R. Hobday, I.S.O.	Topogl.	HS; Collo- quial Bur- mese and LS Shan.	16 7 50	Sep. 11, 1874	Nov. 4, 1890	. . .
		6 Capt. F. B. Longe, R.B.	†	. . . .	31 10 56	Mar. 15, 1880	Dec. 10, 1890	. . .
		7 Major R. A. Wahab, R.B.	†	HS; HP. Urdu; HS Persian; LS Pushtu.	14 4 55	Jan. 8, 1883	Feb. 19, 1891	. . .
		8 W. H. Reynolds, R.B.S.	†	LS.	20 2 43	Oct. 24, 1890	Mar. 31, 1891	. . .
	9	Capt. H. M. Jackson, R.B.	†	HS.	27 3 58	June 11, 1883	Oct. 13, 1891	. . .
	8	<b>2ND GRADE.</b>						
		<i>Salary Rs.850.</i>						
		1 Capt. G. B. Hodgson, I.S.O.	†	HS.	28 10 58	Sep. 12, 1883	May 5, 1889	. . .
		2 Capt. S. G. Burrard, R.B.	†	LS.	12 8 60	Sep. 2, 1884	June 28, 1889	. . .

\* Applies only to officers who are under the Uncovenanted Service Rules.  
† Joined the Department after the amalgamation on the 1st January 1878.  
(A) Date of re-appointment.

## India Department, as it stood on 1st January 1894—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	1,543 8 0	. . . . .	In charge No. 11 (Upper Burma).	Officiating Superintendent, 2nd grade.
2	1,000 0 0	. . . . .	In charge No. 20 (Burma)	Joined the Junior Division, 6th December 1866.
3	1,000 0 0	. . . . .	In charge No. 9 (Central Provinces.)	Joined the Junior Division, 26th September 1864.
4	1,182 10 0	. . . . .	In charge No. 18 (Himalaya).	
5	1,000 0 0	. . . . .	In charge No. 10 (Bombay).	
6	1,140 0 0	(a) Upper Burma, R100.	In charge No. 21 (Upper Burma)	
7	1,182 10 0	. . . . .	In charge No. 19 (Madras).	
8	1,000 0 0	Staff, R100 . . .	On deputation, Forest Department.	Service in Forest Department from 1st January 1871 to 23rd October 1890.
9	. . . . .	. . . . .	. . . . .	On military duty.
1	1,000 0	. . . . .	In charge Nos. 4 and 5 (Bihar)	Officiating Deputy Superintendent, 1st grade.
2	1,140 0 0	. . . . .	In charge No. 22 (Astro.)	Ditto ditto.

(a) Department of Finance and Commerce No. 756, dated 11th February 1890.

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No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	* Period of service counting towards pension on 1st January 1894.
		<b>SENIOR DIVISION</b> —concl'd.						Y. M. D.
		<b>Deputy Superintendents—concl'd.</b>						
		<b>2ND GRADE—concl'd.</b> Salary R850—concl'd.						
3		G. B. Scott . . . . .	Rev.	{ HS. LS. } Burmese	31 7 44	Nov. 10, 1884	Apl. 1, 1890	30 8 0
4		J. Eccles, M.A. . . . .	†	. . . . .	9 9 57	May 30, 1885	Dec. 10, 1890	8 7 1
5		Capt. J. M. Fleming, I.S.O. . . . .	†	{ HS. and LS. } Persian	12 8 58	July 3, 1885	Feb. 19, 1891	. . . . .
6		T. Archdale Pope . . . . .	†	Telugu, Tamil.	21 6 58	Oct. 1, 1886	Mar. 31, 1891	7 3 0A
7		Capt. T. F. B. Renny-Tailyour, R.E. . . . .	†	. . . . .	8 6 63	Apl. 1, 1888	Apl. 2, 1891	. . . . .
8		Capt. R. J. H. L. Mackenzie, R.E. . . . .	†	. . . . .	15 4 63	Mar. 26, 1888	Oct. 13, 1891	. . . . .
		<b>Assistant Superintendents.</b>						
		<b>1st GRADE.</b> Salary R600.						
1		Capt. W. J. Bythell, R.E. . . . .	†	. . . . .	9 9 62	May 29, 1889	Oct. 1, 1890	. . . . .
2		Lieut. G. P. Lenox-Conyngham, R.E. . . . .	†	. . . . .	21 8 66	July 16, 1889	Oct. 1, 1890	. . . . .
3		C. Wood . . . . .	G. T. S.	LS.	21 7 42	Dec. 3, 1889	Dec. 10, 1890	35 5 10
4		Lieut. R. T. Crichton, I.S.O. . . . .	†	HS.	8 3 65	Dec. 16, 1889	Feb. 19, 1891	. . . . .
5		E. F. Litchfield† . . . . .	†	HS.	23 1 52	Oct. 24, 1890	Mar. 31, 1891	. . . . .
6		Capt. P. J. Gordon, I.S.O. . . . .	†	HS.	2 6 59	Nov. 10, 1890	Aug. 5, 1891	. . . . .
7		B. G. Gilbert-Cooper . . . . .	†	. . . . .	24 6 57	Feb. 19, 1891	Apl. 5, 1892	1 3 0B
		C. F. Erskine . . . . .	†	{ HS. Sindhi } LS. Marathi	15 10 55	Feb. 19, 1891	Oct. 12, 1892	2 10 10B
8		A. E. Spring . . . . .	†	{ HS. Marathi, LS. } Sindhi.	4 1 55	Feb. 18, 1891	Oct. 12, 1892	2 10 11B
9		H. R. Littlewood . . . . .	Rev.	{ LS. } Burmese	5 11 43	May 13, 1891	May 23, 1893	33 2 26
10		Lieut. J. M. Burn, R.E. . . . .	†	LS.	18 12 66	May 17, 1891	Dec. 3, 1893	. . . . .
		<b>2ND GRADE.</b> Salary R500.						
1		Lieut. C. C. D. Morice, R.E. . . . .	†	LS.	29 5 67	Nov. 11, 1891	. . . . .	. . . . .
2		" H. A. D. Fraser, R.E. . . . .	†	. . . . .	19 6 67	Oct. 29, 1891	. . . . .	. . . . .
3		" C. H. D. Ryder, R.E. . . . .	†	LS. and LS.	28 6 68	Nov. 29, 1891	. . . . .	. . . . .
4		J. S. Pemberton . . . . .	Rev.	Pushtu LS.	8 7 43	Apl. 1, 1892	. . . . .	33 2 21
5		Lieut. A. J. Pilcher, R.E. . . . .	†	HS.	27 8 66	July 16, 1892	. . . . .	. . . . .
6		Lieut. C. W. H. Symonds, I.S.O. . . . .	†	HS.	6 9 65	Sep. 28, 1892	. . . . .	. . . . .
7		G. W. E. Atkinson . . . . .	G. T. S.	. . . . .	11 10 43	Nov. 8, 1892	. . . . .	34 2 20
8		Vacant . . . . .						
9		Vacant . . . . .						
10		Vacant . . . . .						

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

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

‡ Passed in Surveying by the Higher Standard as defined in the Forest Department Code, 3rd Edition.

(A) Excludes previous service under Madras Government.

(B) Excludes previous service in the Bombay Revenue Survey.

## India Department, as it stood on 1st January 1894—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.			
3	850 0 0	(a) Upper Burma, R150.	In charge, No. 3 (Shwebo)	Joined the Junior Division, 1st May 1893.
4	850 0 0	. . . . .	In charge, Computing.	
5	850 0 0	(b) Presidency, R60	In charge, Nos. 2 and 8 (Bengal).	
6	850 0 0	(b) Presidency, R60	Head-Quarters, Calcutta.	
7	. . . . .	. . . . .	. . . . .	Furlough to Europe for 1 year from 6th May 1893.
8	990 0 0	(c) Baluchistan, R100	No. 15 (Baluchistan).	
1	940 0 0	(b) Presidency, R60	Head-Quarters, Calcutta . . . . .	Officiating Deputy Superintendent, 2nd grade.
2	870 0 0	. . . . .	In charge, No 23 (Astronomical)	Ditto ditto ditto.
3	800 0 0	(c) Burma, R150 . . . . .	In charge, No. 7 (Amherst) . . . . .	Ditto ditto ditto.
4	600 0 0	(d) Charge, R100 . . . . .	In charge, Nos. 2 and 8 (Bihar).	Joined Junior Division, 6th May 1893.
5	600 0 0	Local, R50. . . . .	On deputation, Forest Department.	Service in Forest Department from 16th October 1876 to 23rd October 1890.
6	600 0 0	(a) Upper Burma, R100.	No. 21 (Upper Burma)	
7	. . . . .	. . . . .	. . . . .	Medical leave for 15 months from 19th May 1892. Extension for 7 months and 16 days.
	. . . . .	. . . . .	On deputation, Berar.	
8	600 0 0	{ (a) Upper Burma, R150. } { (d) Charge, R100	In temporary charge No. 12 (Magwe).	
9	600 0 0	(c) Burma, R100 . . . . .	No. 7 (Amherst) . . . . .	Joined the Junior Division, 6th October 1860.
10	670 0 0	(a) Upper Burma, R100. (d) Charge, R100.	In charge, No. 24 (Upper Burma)	
1	670 0 0	. . . . .	No. 25 party (Tidal and Levelling)	Officiating Assistant Superintendent, 1st grade .
2	670 0 0	. . . . .	No. 10 (Bombay)	Ditto ditto ditto.
3	670 0 0	(a) Upper Burma, R100.	No. 11 (Upper Burma)	Ditto ditto ditto.
4	600 0 0	. . . . .	Nos. 4 and 5 (Bihar)	Ditto ditto ditto.
5	570 0 0	(a) Upper Burma, R100.	No. 24 (Upper Burma)	Joined the Junior Division, 6th October 1860.
6	500 0 0	. . . . .	Nos. 2 and 8 (Bihar)	
7	500 0 0	(e) Temp., R75 . . . . .	Simla Drawing . . . . .	Joined the Junior Division, 1st August 1859.
8	. . . . .	. . . . .	. . . . .	
9	. . . . .	. . . . .	. . . . .	
10	. . . . .	. . . . .	. . . . .	

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

(b) Department of Agriculture, Revenue and Commerce memorandum No. 213, dated 14th May 1878.

(c) Department of Finance and Commerce No. 5828, dated 25th October 1888.

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

(e) Secretary of State's Despatch No. 51, dated 20th April 1893.

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

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1894.
		<b>JUNIOR DIVISION.</b>						
		<b>Extra Assistant Superintendents.</b>						
		<b>1st GRADE.</b>						
		<i>Salary Rs50.</i>						
	1	H. E. T. Keelan . . . .	G. T. S.	. . . .	1 5 43	Aug. 17, 1858	Oct. 29, 1883	30 1 2
		A. J. Wilson . . . .	Topogl.	LS.	1 9 42	Oct. 1, 1860	June 2, 1884	31 0 9
	...	S. M. Smylie . . . .	Rev.	LS.	25 11 40	July 24, 1860	June 27, 1886	32 9 2
	3	W. A. Wilson . . . .	Rev.	LS.	3 6 43	Jan. 1, 1861	Dec. 18, 1893	29 7 12
		<b>2ND GRADE.</b>						
		<i>Salary Rs50.</i>						
	1	A. J. Gibson . . . .	Rev.	. . . .	1 12 41	May 1, 1861	May 23, 1893	32 7 27
	2	W. S. Buttress . . . .	Rev.	. . . .	19 2 44	Oct. 1, 1860	May 23, 1893	33 4 0
	3	A. G. Wyatt . . . .	Topogl.	. . . .	25 2 45	Nov. 1, 1861	May 23, 1893	28 10 6
		H. W. Peychers . . . .	G. T. S.	. . . .	13 12 42	Apr. 8, 1862	Nov. 25, 1893	31 0 18
	5	G. P. Belcham . . . .	G. T. S.	HS.	14 2 45	Nov. 1, 1862	Dec. 18, 1893	31 2 0
		<b>3RD GRADE.</b>						
		<i>Salary Rs450.</i>						
		H. Dowman . . . .	Rev.	. . . .	11 6 46	Oct. 16, 1862	May 23, 1893	31 2 1
	2	E. G. Little . . . .	Rev.	ES. Burmese.	11 10 45	Nov. 5, 1862	May 23, 1893	28 2 19
	3	H. T. Hanby . . . .	Rev.	LS.	20 10 45	Nov. 13, 1862	May 23, 1893	31 1 18
	...	L. J. Pocock . . . .	G. T. S.	HS.	26 9 43	July 10, 1863	May 23, 1893	30 0 7
	4	A. D. L. Christie . . . .	G. T. S.	HS. LS. Marathi.	29 9 45	Aug. 7, 1863	May 23, 1893	27 9 4

## of India Department, as it stood on 1st January 1894.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	<i>R a. p.</i>			
1	550 0 0	(a) Charge, Rs50 . . .	In charge Indus River Detachment.	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. Exclusive of medical leave for 6 months, sick leave for 18 days, and leave without pay for 11 days.
2	550 0 0	(b) Presidency house-rent, Rs45.	Calcutta Detachment . . .	Apprentice Draftsman from 1st January 1880. Furlough in India for 6 months from 30th October 1891. Recalled to duty, 18th February 1892.
...	600 0 0	. . . . .	Chief Draftsman, Head-Quarters, Calcutta.	Exclusive of furlough in India for 4 months and 4 days from 6th November 1892 to 11th March 1893.
3	550 0 0	(c) Burma, Rs50 . . . .	No. 20 (Burma) . . . .	Furlough for 1 year from 24th March 1889.
1	500 0 0	. . . . .	No. 10 (Bombay) . . . .	Absent without leave for 3 days in January 1886.
2	500 0 0	(d) Upper Burma, Rs80.	No. 12 (Magwe) . . . .	Copyist from 1st to 30th September 1860.
3	500 0 0	(b) Presidency house-rent, Rs45.	Head-Quarters, Calcutta . . .	Inclusive of furlough out of India from 11th November 1883 to 6th November 1884.
4	500 0 0	(e) Dehra Office, Rs50 . . .	Computing, Dehra Dun.	
5	500 0 0	(f) Deputation, Rs50 . . .	No. 25 (Tidal and Levelling) . . .	Service reckoned under old rules.
1	450 0 0	. . . . .	No. 9 (Central Provinces) . . .	Absent without leave 3 days, sick leave 2 days in October and 4 days in December 1886, and 6 days in December 1886.
2	450 0 0	(e) Upper Burma, Rs80	No. 12 (Magwe) . . . .	Apprentice from 1st January 1880. Exclusive of 5 years 10 months and 10 days' service under 20 years of age.
3	450 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
...	450 0 0	. . . . .	Head Draftsman, Head-Quarters, Calcutta.	Exclusive of 89 days' sick leave.
4	450 0 0	. . . . .	Computing, Dehra Dun . . .	Exclusive of furlough in India from 16th November 1886 to 15th May 1887.

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

(j) Financial Resolution No. 704, dated 22nd February 1886.

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

(l) Department of Finance and Commerce No. 750, dated 11th February 1889.

(m) Financial Resolution No. 3996, dated 22nd December 1864, and No. 2579, dated 30th November 1871.

(n) Department of Revenue and Agriculture, No. 519, dated 18th September 1884.

## 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.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1894.
		<b>JUNIOR DIVISION</b> —contd.						Y. M. D.
		<b>Extra Assistant Superintendents—contd.</b>						
		<b>3RD GRADE—concl'd.</b> Salary <i>R</i> 450—concl'd.						
		5 N. C. Gwynne . . . .	G. T. S.	. . . .	5 3 43	Oct. 19, 1863	May 23, 1893	30 2 12
		6 W. J. O'Sullivan . . . .	G. T. S.	. . . .	14 2 44	Oct. 1, 1863	Nov. 25, 1893	29 10 17
		7 W. C. Price . . . . .	G. T. S.	. . . .	23 6 46	Nov. 1, 1863	Dec. 18, 1893	27 6 8
10		<b>4TH GRADE.</b> Salary <i>R</i> 400.						
		1 C. H. McA'Fee . . . .	G. T. S.	LS.	14 11 49	Sep. 6, 1864	May 23, 1893	24 0 17
		2 C. F. Hamer . . . . .	Topogl.	. . . .	6 10 46	Aug. 3, 1863	May 23, 1893	27 4 24
		... J. H. O'Donel . . . .	Rev.	. . . .	10 7 45	Oct. 1, 1863	May 23, 1893	28 5 20
		3 T. E. M. Claudius . . . .	Topogl.	. . . .	1 6 46	Aug. 1, 1863	May 23, 1893	27 7 0
		4 W. Stotesbury . . . .	Topogl.	{ HS; LS., Canarese. }	26 7 47	Oct. 4, 1864	May 23, 1893	26 5 6
		5 T. H. Rendell . . . . .	G. T. S.	. . . .	23 7 44	Oct. 11, 1864	May 23, 1893	29 2 21
		6 R. B. Smart . . . . .	Rev.	LS.	28 6 47	Jan. 1, 1865	May 23, 1893	26 6 2
		7 A. J. James . . . . .	Topogl.	LS.	19 11 46	June 15, 1864	May 23, 1893	27 1 12
		8 Hugh Todd . . . . .	G. T. S.	. . . .	16 8 47	July 15, 1865	May 23, 1893	26 3 16
		9 E. J. Connor . . . . .	G. T. S.	LM.	18 8 48	Mar. 1, 1865	May 23, 1893	24 10 10
		10 J. Connor . . . . .	Rev.	. . . .	27 8 47	Feb. 15, 1865	Dec. 18, 1893	26 3 24
15		<b>5TH GRADE.</b> Salary <i>R</i> 350.						
		... T. H. Dunne . . . . .	Rev.	LS.	25 5 49	Feb. 15, 1865	May 23, 1893	23 11 26
		1 J. Bond . . . . .	G. T. S.	. . . .	6 1 50	Oct. 18, 1866	May 23, 1893	23 11 5
		2 C. D. Potter . . . . .	G. T. S.	LS.	19 8 45	Oct. 29, 1866	May 23, 1893	27 1 0
		3 C. E. Tapsell . . . . .	Topogl.	LS.	14 11 44	Aug. 2, 1864	May 23, 1893	29 1 17
		4 J. A. Barker . . . . .	Topogl.	. . . .	13 4 46	Sep. 18, 1865	May 23, 1893	27 8 10

## India Department, as it stood on 1st January 1894—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	<i>R a. p.</i>			
5	450 0 0	. . . . .	No. 14 (Nimar).	
6	450 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
7	450 0 0	(a) Burma, <i>R</i> 50 . . . .	No. 7 (Amherst).	
1	400 0 0	. . . . .	Drawing Office, Dehra Dun . . . .	Passed the Poona C. E. College examination in 1864. Sick leave for 1 month from 30th December 1862.
2	400 0 0	. . . . .	No. 19 (Madras).	
...	. . . . .	. . . . .	On deputation, Assam.	
3	400 0 0	(a) Baluchistan, <i>R</i> 80 . . . .	No. 15 (Baluchistan).	
4	400 0 0	. . . . .	No. 10 (Bombay).	
5	. . . . .	. . . . .	. . . . .	On furlough for 3 months from 24th October 1893.
6	400 0 0	. . . . .	Nos. 2 and 8 (Bihar) . . . .	Apprentice from 1st January 1864.
7	400 0 0	(b) Upper Burma, <i>R</i> 80 . . . .	No. 21 (Upper Burma).	
8	400 0 0	. . . . .	No. 19 (Madras) . . . . .	Exclusive of 30 days' sick leave from 2nd November 1868.
9	400 0 0	. . . . .	No. 25 (Tidal and Levelling) . . . .	Exclusive of 6 months and 5 days' leave on private affairs under new rules from 1st November 1870.
10	400 0 0	(b) Upper Burma, <i>R</i> 80 . . . .	No. 3 (Shwebo).	
...	. . . . .	. . . . .	On deputation, Central Provinces.	Absent without leave 1 day, and sick leave 10 days in October 1865.
1	350 0 0	(a) Burma, <i>R</i> 50 or (b) Upper Burma, <i>R</i> 80 . . . .	No. 25 (Tidal and Levelling) . . . .	Exclusive of 20 days' sick leave in February 1875.
2	350 0 0	. . . . .	No. 18 (Himalaya) . . . . .	Exclusive of 33 days' sick leave. Obtained a Civil Engineer's certificate at the Madras C. E. College in 1868.
3	350 0 0	. . . . .	No. 17 (Bombay Forests) . . . .	
4	350 0 0	(c) Presidency house- rent, <i>R</i> 30. . . . .	Head-Quarters, Calcutta . . . .	Exclusive of sick leave from 18th to 25th May 1893.

(a) Financial Resolution No. 5826, dated 26th October 1888.

(b) Department of Finance and Commerce No. 758, dated 11th February 1899.

(c) Financial Resolution No. 704, dated 22nd February 1890.

## 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.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1894.
								Y. M. D.
<b>JUNIOR DIVISION</b>								
—contd.								
<b>Extra Assistant Superintendents—contd.</b>								
5TH GRADE—concl'd.								
Salary ₹350—concl'd.								
5		E. A. Wainright . . . .	Topogl.	. . . .	8 6 48	May 1, 1866	May 23, 1893	25 6 23
6		R. C. D. Ewing . . . .	Rev.	HS.	10 6 48	June 9, 1866	May 23, 1893	24 5 25
7		W. J. Cornelius . . . .	Topogl.	LS.	31 3 49	Aug. 15, 1866	May 23, 1893	24 9 1
8		G. W. Jarbo . . . .	Rev.	LS.	15 9 47	Nov. 1, 1866	May 23, 1893	26 3 0
9		P. J. W. Duran . . . .	Topogl.	LS.	5 5 49	Feb. 1, 1867	May 23, 1893	24 7 27
10		J. R. Scott . . . .	Rev.	LS.	5 3 49	Jan. 19, 1867	May 23, 1893	24 9 27
11		J. McIlhatton . . . .	Rev.	LS.	15 6 54	July 1, 1867	May 23, 1893	23 5 14
12		J. Hickie . . . .	G. T. S.	LS.	13 1 49	Apl. 29, 1868	May 23, 1893	24 5 18
13		S. O. Madras . . . .	Rev.	. . . .	15 9 50	July 6, 1868	May 23, 1893	23 4 16
...		G. D. Cusson . . . .	G. T. S.	LS.	23 9 46	May 8, 1868	July 6, 1893	25 7 23
14		T. F. Freeman . . . .	Rev.	LS.	3 3 51	Sep. 9, 1868	Nov. 25, 1893	20 2 27
...		G. O. Swiney . . . .	Rev.	. . . .	27 6 49	Sep. 17, 1868	Dec. 18, 1893	24 6 4
15		J. S. Swiney . . . .	Rev.	. . . .	19 12 50	Jan. 5, 1869	Dec. 18, 1893	23 0 12
6TH GRADE.								
Salary ₹300.								
...		C. P. Torrens . . . .	G. T. S.	. . . .	19 6 51	Dec. 12, 1868	May 23, 1893	22 0 10
1		W. Robert . . . .	Topogl.	. . . .	27 2 51	Aug. 21, 1869	May 23, 1893	22 10 2
2		T. Shaw . . . .	Rev.	LS.	15 11 52	Apl. 21, 1869	May 23, 1893	21 1 15
3		C. W. Wilson . . . .	Rev.	LS.	9 11 45	June 21, 1867A	May 23, 1893	26 0 1
...		G. E. Parker . . . .	Rev.	. . . .	18 2 50	Nov. 18, 1870	May 23, 1893	23 1 13
4		G. Campbell . . . .	Rev.	. . . .	13 7 48	Mar. 1, 1871	May 23, 1893	23 11 9
5		W. C. G. Barclay . . . .	Topogl.	. . . .	22 10 51	Dec. 1, 1871	May 23, 1893	21 6 28
6		G. T. Hall . . . .	G. T. S.	LS.	3 12 51	Nov. 22, 1872	May 23, 1893	21 1 9
7		G. G. Vander-Beek . . . .	Topogl.	LS.	16 9 49	July 1, 1872	May 23, 1893	23 2 21
8		R. Todd . . . .	Topogl.	. . . .	12 7 45	Nov. 1, 1863	May 23, 1893	28 5 20
9		C. W. F. Seyers . . . .	Rev.	. . . .	1 7 46	Dec. 1, 1864	May 23, 1893	28 9 0
10		W. H. Penrose . . . .	Rev.	LS.	10 51	Aug. 11, 1869	May 23, 1893	21 7 17

(A) Commencement of second service.

## India Department, as it stood on 1st January 1894—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R. s. p.			
5	350 0 0	(a) Baluchistan, R80 .	No. 15 (Baluchistan).	
6	350 0 0	(b) Charge, R50 .	In charge, Orissa Detachment .	Furlough from 17th September 1886 to 11th September 1887.
7	350 0 0	(c) Simla allowance, R26	Drawing Office, Simla.	
8	350 0 0	(a) Burma, R75 . . .	No. 7 (Amherst) . . . .	Sick leave for 15 days from 26th May to 9th June 1869.
9	350 0 0	(d) Upper Burma, R80.	No. 11 (Upper Burma).	
10	. . . .	. . . .	On deputation, Central Provinces.	
11	350 0 0	(e) Settlement, R50 .	Nos. 2 and 8 (Bengal) . . . .	Furlough for 1 year from 1st January 1879.
12	350 0 0	(d) Upper Burma, R80.	No. 24 (Upper Burma) . . . .	Exclusive of 6 months' sick leave from 1st March 1873.
13	350 0 0	. . . .	Nos. 4 and 5 (Bihar).	
...	400 0 0	. . . .	Draftsman, Head-Quarters, Calcutta.	Inclusive of furlough out of India for 304 days from 1st November 1879.
14	350 0 0	(b) Charge, R50 . . .	In charge, Garhwal Detachment	Sick leave for 2 years from 1st May 1880; extension for 9 months without pay to 31st January 1883.
...	. . . .	. . . .	On deputation, Central Provinces.	
15	350 0 0	(d) Upper Burma, R80	No. 12 (Magwe.)	
...	. . . .	. . . .	On deputation, Burma . . . .	Exclusive of 2 days, overstayed privilege leave.
1	300 0 0	. . . .	No. 18 (Himalaya).	
2	300 0 0	{ (e) Settlement R50 . (f) Presidency house-rent, R30.	Nos. 2 and 8 (Bengal).	
3	300 0 0	(a) Upper Burma, R80	No. 3 (Shwebo) . . . .	Sick leave for 3 months from 1st March 1869, 2 months from 1st August 1869, and from 22nd April to 31st May 1892.
...	. . . .	. . . .	On deputation, Central Provinces.	
4	300 0 0	. . . .	Nos. 2 and 8 (Bihar) . . . .	Office Assistant from 1st January 1864. Furlough for 1 year from 22nd September 1881. Medical leave from 16th March to 15th September 1891.
5	300 0 0	(f) Presidency house-rent, R30.	Head-Quarters, Calcutta . . . .	Inclusive of special leave to Europe on full pay for one year 10 months and 26 days from 7th April 1878. Suspension from office from 16th to 18th May 1893.
6	300 0 0	(e) Settlement, R50 .	Nos. 2 and 8 (Bihar).	
7	300 0 0	. . . .	Nos. 2 and 8 (Bihar) . . . .	Apprentice Draftsman from 11th October 1870.
8	300 0 0	. . . .	No. 19 (Madras) . . . .	Suspension from 11th May to 6th June 1883.
9	300 0 0	(f) Presidency house-rent, R30.	Head-Quarters, Calcutta . . . .	Medical leave for 3 months from 16th May 1890; extension for 1 month to 15th September 1890.
10	300 0 0	(a) Assam, R50 . . .	No. 6 (Assam) . . . .	Medical leave from 22nd October to 28th November 1883, and from 3rd August 1886 to 2nd February 1887, excluded.

(a) Financial Resolution No. 5826, dated 25th October 1888.

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

(c) Revenue and Agricultural Department No. 1339, dated 1st November 1880.

(d) Department of Finance and Commerce, No. 766, dated 11th February 1889.

(e) Secretary of State's despatch No. 76 (Revenue), dated 15th August 1889.

(f) Financial Resolution No. 704, dated 22nd February 1886.

## 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.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1894.
		<b>JUNIOR DIVISION</b>						
		— <i>concl.</i>						
		<b>Extra Assistant Superintendents—</b>						
		<i>concl.</i>						
		<b>6TH GRADE—concl.</b>						
		<i>Salary R300—concl.</i>						
11		J. Murphy . . . . .	Rev.	. . . . .	12 7 52	Nov. 1, 1871	May 23, 1893	21 5 19
12		A. W. Smart . . . . .	Rev.	. . . . .	27 2 51	Dec. 1, 1871	May 23, 1893	21 10 0
13		W. M. Kelly . . . . .	Rev.	LS.	6 8 54	Oct. 1, 1872 Oct. 1, 1878A	May 23, 1893	19 4 25
...		E. P. S. Hill* . . . . .	Rev.	HS; LS Persian.	14 7 55	Nov. 16, 1872	May 23, 1893	18 5 15
14		R. R. Dickinson . . . . .	Rev.	LS.	25 7 52	Apl. 16, 1873	May 23, 1893	21 9 0
15		G. A. Knight . . . . .	Topogl.	. . . . .	22 4 54	Aug. 11, 1873	May 23, 1893	19 6 11
16		W. A. Fielding . . . . .	. . .	LS.	17 5 48	May 1, 1868 Oct. 1, 1887A	May 23, 1893	25 7 14
17		P. A. Peters . . . . .	Rev.	LS.	24 12 54	Nov. 1, 1873	May 23, 1893	18 11 8
18		T. S. Marten . . . . .	Forest Surv.	. . . . .	23 2 46	Oct. 6, 1888	May 23, 1893	19 9 18
19		P. F. Prunty . . . . .	G. T. S.	. . . . .	24 12 54	May 9, 1874	Nov. 15, 1893	19 0 7
20		P. White . . . . .	Topogl.	LS.	10 10 50	Oct. 1, 1872	Nov. 25, 1893	17 4 6
		<b>Sub-Assistant Superintendents.</b>						
		<b>1st GRADE.</b>						
		<i>Salary R200 rising to R250.</i>						
1		J. Keating . . . . .	G. T. S.	. . . . .	4 5 54	June 1, 1874	July 1, 1886	19 7 0
2		S. F. Norman . . . . .	G. T. S.	. . . . .	8 8 54	Sep. 1, 1874	Apl. 1, 1887	19 4 0
3		C. Norman . . . . .	G. T. S.	LS.	18 6 58	Oct. 12, 1874	Apl. 1, 1887	17 7 12
4		C. S. Kraal . . . . .	Rev.	LS.	25 10 53	July 24, 1874	Aug. 1, 1886	19 4 21
5		D. Campbell . . . . .	Topogl.	LS.	18 11 52	Nov. 1, 1874	Apl. 1, 1887	21 1 13

\* Passed Departmental Examination in Revenue Law and Procedure by the Higher Standard.  
(A) Date of re-appointment.

## India Department, as it stood on 1st January 1894—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
11	300 0 0	(a) Burma, R50 . . . . .	No. 7 (Amherst) . . . . .	Office Assistant from 22nd November 1866.
12	300 0 0	(b) Settlement, R50 . . . . .	Nos. 2 and 8 (Bihar) . . . . .	Sick leave for three months from 8th July 1890.
13	300 0 0	(c) Upper Burma R80 . . . . .	No. 11 (Upper Burma) . . . . .	Inclusive of service in the Forest Department from 1st November 1877 to 30th September 1878.
...	. . . . .	. . . . .	On deputation, Central Provinces.	
14	300 0 0	. . . . .	No. 10 (Bombay) . . . . .	Apprentice from 1st April 1872.
15	300 0 0	. . . . .	No. 10 (Bombay) . . . . .	Medical leave from 12th May to 7th July 1892.
16	300 0 0	. . . . .	No. 18 (Himalaya) . . . . .	Inclusive of services in the Bombay Secretariat from 1st April 1886 to 10th September 1887.
17	300 0 0	(d) Presidency house-rent R30. . . . .	Head-Quarters, Calcutta . . . . .	Inclusive of service in the Staits Settlements from 29th October 1885 to 31st December 1893.
18	300 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 14th March 1874.
19	300 0 0	. . . . .	No. 24 (Upper Burma) . . . . .	
20	300 0 0	(a) Burma R50 . . . . .	No. 20 (Burma) . . . . .	Exclusive of sick leave for 3 months from 21st October 1878; extension 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. Sick leave for 1 year from 17th October 1881; extension to 28th January 1883. Sick leave for 3 months from 6th November 1883. Furlough for one year and six months from 24th March 1892.
1	300 0 0	. . . . .	No. 14 (Nimar). . . . .	Offg. Extra Asst. Supdt., 6th grade.
2	250 0 0	(d) Half scale, local, R15 . . . . .	No. 17 (Bombay Forests). . . . .	
3	250 0 0	(d) Ditto, R15 . . . . .	No. 17 (Bombay Forests). . . . .	
4	250 0 0	(b) Settlement R50 . . . . .	Nos. 4 and 5 (Bihar) . . . . .	Sick leave from 6th to 22nd February 1879.
5	250 0 0	. . . . .	No. 14 (Nimar) . . . . .	Joined as a Sub-Surveyor on 3rd July 1872.

(a) Financial Resolution No. 5826, dated 26th October 1888.  
(b) Secretary of State's despatch, No. 75 (Revenue), dated 15th August 1889.  
(c) Department of Finance and Commerce, No. 756, dated 11th February 1889.  
(d) Financial Resolution No. 704, dated 2nd February 1886.

## 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.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1894.
<b>JUNIOR DIVISION</b>								
—contd.								
<b>Sub-Assistant Superintendents—contd.</b>								
1ST GRADE—concl'd.								
Salary R200 rising to R250—concl'd.								
6		L. F. Berkeley . . . . .	Rev.	LS.	28 8 54	Aug. 16, 1875	Nov. 24, 1887	18 4 16
7		J. Marten . . . . .	Forest Surv.	. . . . .	27 9 51	Oct. 6, 1888	Oct. 6, 1888	18 2 10
8		G. P. Tate . . . . .	†	LS. & HS. Baluchi.	22 7 56	Mar. 12, 1878	Aug. 29, 1888	17 5 9
9		J. M. Kennedy . . . . .	G. T. S.	. . . . .	2 11 56	Aug. 19, 1875	Nov. 1, 1888	17 1 28
10		P. C. H. Smart . . . . .	†	. . . . .	16 9 55	Apl. 18, 1878	Nov. 24, 1888	15 3 6
11		R. F. Warwick . . . . .	G. T. S	LS.	25 3 55	July 2, 1875	May. 9, 1889	15 8 2
Y. M. D.								
12		A. George . . . . .	†	LS.	14 1 55	Oct. 15, 1878	May 13, 1889	15 2 17
13		W. H. D. Ewing . . . . .	†	LS.	23 8 57	Apl. 15, 1878	May 16, 1889	15 6 15
14		C. George . . . . .	†	LS.	7 12 52	Sep. 5, 1878	Feb. 1, 1890	19 4 14
15		R. W. Senior . . . . .	†	LS.	13 11 60	Dec. 21, 1878	May 5, 1890	12 8 19
...		J. A. Higgs . . . . .	†	LS.	18 4 59	Sep. 12, 1881	Nov. 10, 1890	14 0 0
16		O. D. Smart . . . . .	†	. . . . .	16 9 57	Oct. 1, 1881	Mar. 1, 1891	12 3 0
17		A. Ewing . . . . .	†	. . . . .	1 1 62	Nov. 16, 1881	Apl. 1, 1891	12 0 0
18		M. Gastaud . . . . .	†	. . . . .	8 3 62	May 1, 1882	Apl. 25, 1891	11 10 0
...		P. Beechey . . . . .	†	LS. & HS. Burmese.	18 7 61	Dec. 1, 1882	May 13, 1891	11 1 0
19		E. F. Berkeley . . . . .	†	LS.	21 10 64	Sep. 1, 1883	Jan. 5, 1892	9 2 10
20		J. P. Barker . . . . .	†	. . . . .	21 8 65	Dec. 23, 1883	Nov. 1, 1893	8 4 10
21		N. Bedford . . . . .	†	. . . . .	16 7 61	Jan. 10, 1884	Nov. 15, 1893	9 11 22
22		T. J. J. Mills . . . . .	†	. . . . .	31 12 63	Mar. 14, 1884	Nov. 25, 1893	9 9 18
<b>2ND GRADE.</b>								
Salary R160 rising to R200.								
24		B. R. Hughes . . . . .	†	LS. & LS. Burmese.	13 6 66	Oct. 15, 1883	May 23, 1893	7 6 18
2		P. J. Serrao . . . . .	†	LS. Burmese.	3 7 61	Apl. 24, 1884	May 23, 1893	9 8 7
3		W. E. Johnson . . . . .	†	ES. Burmese.	14 9 61	Aug. 18, 1884	May 23, 1893	9 4 14
4		T. W. Babonau (Jr.) . . . . .	†	LS. & ES. Burmese.	10 7 66	Jan. 15, 1884	May 23, 1893	6 4 18
5		W. Skilling . . . . .	†	LS.	26 4 67	Nov. 24, 1884	May 23, 1893	6 8 6
6		A. B. Smart . . . . .	†	. . . . .	27 9 65	Feb. 25, 1885	May 23, 1893	8 3 4
7		J. Smith . . . . .	†	. . . . .	14 9 63	Aug. 1, 1884	Aug. 29, 1888	9 5 0

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

## India Department, as it stood on 1st January 1894—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
6	250 0 0	(a) Settlement R50 . . . . .	Nos. 2 & 8 (Bengal).	
7	250 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 22nd October 1875.
8	250 0 0	(b) Baluchistan, R80 . . . . .	In charge, Aden Detachment.	Apprentice from 1st March 1874.
9	250 0 0	(c) Charge, R50 . . . . .	No. 21 (Upper Burma).	
10	250 0 0	(d) Upper Burma, R80 . . . . .	Nos. 4 and 5 (Bihar).	Sick leave from 8th April to 14th September 1883.
11	240 0 0	(b) Burma, R50 . . . . .	No. 20 (Burma)	Exclusive of medical leave for 2 months from 10th October 1877; for 6 months from 1st May 1879; for 4 months and 25 days from 30th August 1881; and for 11 months and 30 days from 16th August 1892. Furlough for 1 year from 28th May 1892.
12	230 0 0	(d) Upper Burma, R80 . . . . .	No. 12 (Magwe)	Exclusive of previous service as Sub-Surveyor.
13	240 0 0	(e) Presidency house rent R20.	Head-Quarters, Calcutta . . . . .	Exclusive of 2 months and 1 day suspension from 28th May to 1st July 1880, and sick leave from 2nd to 26th July 1880.
14	240 0 0	. . . . .	No. 9 (Central Provinces)	Previous service as Sub-Surveyor from 18th August 1874.
15	230 0 0	. . . . .	No. 18 (Himalaya)	Exclusive of medical leave from 8th May to 6th October 1889.
...	325 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	Previous continuous service in Board of Revenue from 4th March 1878, and joined as apprentice from 31st July 1878. Medical leave from 7th March to 18th November 1888.
16	220 0 0	(d) Upper Burma, R80 . . . . .	No. 3 (Shwebo).	
17	220 0 0	(b) Burma, R50 . . . . .	No. 20 (Burma).	
18	210 0 0	(b) Burma, R50 . . . . .	No. 7 (Amberst)	Apprentice Draftsman from 3rd January 1882.
...	. . . . .	. . . . .	On deputation Burma.	
19	210 0 0	. . . . .	Orissa Detachment . . . . .	Office Assistant from 1st May 1881.
20	210 0 0	. . . . .	Nos. 2 & 8 (Bihar).	
21	210 0 0	. . . . .	Nos. 2 and 8 (Bihar).	
22	210 0 0	(e) Presidency house rent R20.	Head-Quarters, Calcutta.	
1	200 0 0	. . . . .	No. 14 (Nimar).	
2	200 0 0	(f) Personal R10 . . . . .	No. 3 (Shwebo).	
3	200 0 0	(d) Upper Burma, R80 . . . . .	No. 12 (Magwe).	
4	200 0 0	(e) Presidency house rent R20.	Head-Quarters, Calcutta . . . . .	Extraordinary leave from 8th April to 21st November 1889. Leave to Europe on private affairs from 30th June to 20th December 1892.
5	200 0 0	. . . . .	Garhwal Detachment.	
6	200 0 0	(e) Presidency house rent, R20.	Nos. 2 & 8 (Bengal).	
7	192 0 0	(b) Assam, R40 . . . . .	No. 6 (Assam).	

(a) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 1889.  
 (b) Financial Resolution No. 5826, dated 25th October 1888.  
 (c) Secretary of State's Despatch No. 121, dated 7th May 1885.  
 (d) Department of Finance and Commerce No. 756, dated 11th February 1889.  
 (e) Financial Resolution No. 704, dated 22nd February 1886.  
 (f) Secretary of State's Despatch No. 37 (Revenue), dated 4th May 1883.

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

No. mentioned in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1894.
							Y. M. D.
<b>JUNIOR DIVISION</b> —concl'd. Sub-Asst. Supdts.— concl'd.							
2ND GRADE—concl'd. Salary R160 rising to R200— concl'd.							
8	C. G. Lee	†	· · · ·	23 8 66	Mar. 1, 1886	May 13, 1889	7 4 8
9	F. S. Bell	†	· · · ·	28 9 64	Sep. 24, 1886	May 16, 1889	7 3 7
10	F. E. Warde	†	· · · ·	7 9 51	Nov. 13, 1884A	Oct. 1, 1889	8 4 12
11	F. P. Walsh	†	· · · ·	20 11 66	Mar. 4, 1886	Feb. 1, 1890	7 1 10
12	F. B. Powell	†	ES.LS. Burmese	11 8 64	Sep. 23, 1886	May 5, 1890	7 3 8
13	Yusaf Sharif, Khan Bahadur	†	· · · ·	18 12 46	Dec. 1, 1886	Nov. 10, 1890	26 6 15
14	H. A. Charrier	†	LS. ES.Burmese.	22 10 64	Apl. 21, 1884	Mar. 1, 1891	8 10 26
15	Rai Hira Singh, Bahadur	†	· · · ·	1 9 51	Mar. 12, 1887	Apl. 1, 1891	22 1 0
...	J. A. T. Haddock	†	LS. ES. Burmese.	16 10 63	Nov. 26, 1887	Apl. 25, 1891	6 1 5
16	J. H. Murphy	†	· · · ·	26 7 69	Nov. 1, 1887	May 13, 1891	3 5 6
17	W. J. Baker	†	ES.Burmese	18 8 66	Jan. 25, 1888	Jan. 5, 1892	5 11 7
18	C. G. S. Wood	†	LS.	1 7 68	Aug. 2, 1884	Mar. 17, 1892	5 6 0
19	C. S. Gasper	†	· · · ·	11 8 68	Mar. 2, 1888	Apl. 1, 1892	5 4 21
20	C. H. G. Johnson	†	· · · ·	14 6 69	Nov. 13, 1888	May 8, 1892	4 6 17
21	H. G. Shaw	†	· · · ·	21 2 62	Jan. 1, 1889	Aug. 13, 1893	11 0 0
22	Sarat Chunder Sen	†	· · · ·	Nov. 1865	Aug. 26, 1889	Nov. 1, 1893	4 4 6
23	W. F. E. Adams	†	· · · ·	12 6 68	Aug. 26, 1889	Nov. 15, 1893	4 4 6
24	J. H. Nichol	Forest Surv.	· · · ·	9 4 67	Dec. 12, 1889	Nov. 25, 1893	5 0 16
3RD GRADE. Salary R120 rising to R160.							
1	G. Rae	†	· · · ·	23 11 70	Nov. 19, 1890	May 23, 1893	3 1 8
2	Imam Sharif, Khan Bahadur	†	· · · ·	7 4 49	May 6, 1891	May 23, 1893	22 0 0
3	C. Litchfield	Forest Surv.	· · · ·	24 1 66	Jan. 10, 1892	May 23, 1893	5 1 17
4	H. W. Biggie	†	ES.Burmese	9 12 71	Nov. 21, 1891	· · · ·	2 0 23
5	Aulad Hussein	†	· · · ·	0 12 68	Nov. 13, 1891	· · · ·	2 1 18
6	Rahmatulla	†	· · · ·	28 9 66	Nov. 13, 1891	· · · ·	7 3 4
7	J. O. Greiff	†	LS.	2 7 72	Nov. 13, 1891	· · · ·	1 6 0
8	Nilmoni Chatterjee	†	· · · ·	17 11 70	Nov. 23, 1891	· · · ·	1 11 7
9	H. B. Powell	†	ES. and L.S. Burmese.	2 6 70	Nov. 22, 1891	· · · ·	2 1 9
10	J. A. Freeman	†	· · · ·	24 7 70	Nov. 23, 1891	· · · ·	2 1 8
11	O. C. Ollenbach	†	· · · ·	3 4 67	Nov. 23, 1891	· · · ·	2 1 9
12	M. F. Berkeley	†	· · · ·	2 9 67	Nov. 17, 1891	· · · ·	2 0 28
13	H. H. B. Hanby	†	· · · ·	21 8 72	Nov. 25, 1891	· · · ·	1 6 10
14	P. K. Vaughan	†	· · · ·	14 2 70	Nov. 23, 1891	· · · ·	2 1 8
15	W. Newland	†	· · · ·	28 4 76	Sept. 11, 1893	· · · ·	0 3 12
16	W. M. Gorman	†	· · · ·	28 7 73	Sept. 19, 1893	· · · ·	0 3 15
17	P. Williams	†	· · · ·	18 3 71	Sept. 16, 1893	· · · ·	0 3 13
18	Amar Singh	†	· · · ·	1 1 63	Sept. 18, 1893	· · · ·	· · · ·
19	J. H. S. Wilson	†	· · · ·	10 1 71	Sept. 4, 1893	· · · ·	0 3 27
20	Vacant	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·
21	Ditto	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·
22	Ditto	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·
23	Ditto	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·
24	Ditto	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·
25	Ditto	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·
26	Ditto	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·	· · · ·

† Joined the Department after the amalgamation on 1st January 1878.  
(A) Date of re-appointment.

## India Department, as it stood on 1st January 1894—concluded.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
8	192 0 0		Nos. 4 & 5 (Bihar).	
9	192 0 0	(a) Upper Burma, R80	No. 12 (Magwe).	
10	160 0 0	(b) Simla, R16	Drawing Office, Simla	Exceeded joining time by 6 days from 22nd May 1890; on half-pay from 1st to 31st July; without pay 4 days in Sep., 4 days in Oct., and 11 days in Nov. 1890, 10 days in Jan., 5 days in Feb., 8 days in Mar., 5 days in Apl., 14 days in Oct., 4 days in Nov., and 4 days in Dec. 1891; 7 days in Feb., 8 days in Mar., 6 days in April, 8 days in May, 14 days in July, and 7 days in Aug., and sick leave from 5th Sep. to 31st Oct. 1892; without pay for 4 days in July 1893, and under suspension from 1st August to 24th September 1893.
11	184 0 0	(a) Upper Burma, R80.	No. 3 (Shwebo).	
12	184 0 0	(c) Burma, R50	No. 7 (Amherst).	
13	184 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 16th June 1867.
14	168 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 1890.
15	176 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 13th November 1873. Previous service in G. T. O., Printing Section, from 1st October 1871. Sick leave from 7th February to 6th April 1888.
	· · · ·	· · · ·	On deputation, Burma.	
16	176 0 0		Garhwal Detachment	Medical leave for 1 month from 18th Apl. 1890.
17	168 0 0	(a) Upper Burma, R80	No. 3 (Shwebo).	
18	168 0 0		Nos. 2 & 8 (Bihar)	Leave without allowances from 12th May 1886 to 11th January 1889.
19	168 0 0		Nos. 2 & 8 (Bihar).	
20	168 0 0		No. 9 (Central Provinces).	
21	168 0 0	(a) Upper Burma, R80.	No. 11 (Upper Burma)	Includes previous service in the Meteorological Department from 1st January 1889.
22	168 0 0	(d) Presidency house-rent, R20.	Calcutta Detachment.	
23	168 0 0	(a) Upper Burma, R80.	No. 21 (Upper Burma).	
24	160 0 0	· · · ·	On deputation, Forest Department.	Includes previous service in Forest Department from 16th December 1888.
1	160 0 0	(e) Personal R8	No. 9 (Central Provinces).	
2	160 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 1st September 1871.
3	160 0 0	· · · ·	On deputation, Forest Department.	Includes previous service in Forest Department from 14th November 1888.
4	136 0 0	(a) Upper Burma, R80	No. 12 (Magwe).	
5	136 0 0		No. 22 (Astro).	
6	136 0 0		No. 14 (Nimar)	Joined as Computer, 19th August 1886.
7	128 0 0		No. 14 (Nimar).	
8	128 0 0		Orissa detachment	Extraordinary leave from 1st June to 2nd Aug. 1892.
9	136 0 0	(a) Upper Burma, R80	No. 3 (Shwebo).	
10	136 0 0		No. 10 (Bombay).	
11	136 0 0	(a) Upper Burma, R80	No. 3 (Shwebo).	
12	128 0 0	(c) Burma, R50	No. 7 (Amherst)	Medical leave from 24th September to 8th October 1893.
13	136 0 0		Nos. 4 & 5 (Bihar).	
14	128 0 0		Nos. 2 & 8 (Bengal)	
15	120 0 0	(a) Upper Burma, R80	No. 3 (Shwebo)	On probation.
16	120 0 0		No. 18 (Himalaya)	Ditto.
17	120 0 0	(b) Simla, R 12	Drawing Office, Simla	Ditto.
18	120 0 0	(c) Burma, R 50	No. 7 (Amherst)	Ditto. Excludes previous service in the Meteorological Department.
19	120 0 0		No. 19 (Madras)	Ditto.
20	· · · ·	· · · ·	· · · ·	
21	· · · ·	· · · ·	· · · ·	
22	· · · ·	· · · ·	· · · ·	
23	· · · ·	· · · ·	· · · ·	
24	· · · ·	· · · ·	· · · ·	
25	· · · ·	· · · ·	· · · ·	
26	· · · ·	· · · ·	· · · ·	

(a) Department of Finance and Commerce No. 768, dated 11th February 1890.

(b) Revenue and Agricultural Department No. 1390, dated 1st November 1890.

(c) Financial Resolution No. 5928, dated 25th October 1888.

(d) Financial Resolution No. 704, dated 22nd February 1890.

(e) Secretary of State's Despatch No. 37 (Revenue), dated 4th May 1893.



## Names of Administrative and Technical Offices of the Survey of India Department, as they stood on 1st January 1894.

NAME OF OFFICES AND SECTIONS.	Nature of Work.	Officer in charge.
<b>Head-Quarters, Calcutta.</b>		
<i>Administrative.</i>		
Surveyor-General's . . . . .	Accounts, Correspondence . . . . .	} A. S. G., S. G. O.
Deputy Surveyor-General's, Topo. Branch . . . . .	Ditto . . . . .	
Ditto, Rev. Branch . . . . .	Ditto . . . . .	
Director of Bengal Surveys . . . . .	Ditto . . . . .	D. B. S.
<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.
Map Record and Issue . . . . .	Receipts and Issues of maps . . . . .	Dy. Supdt.
<b>Trigonometrical Branch, Dehra Dun.</b>		
<i>Administrative.</i>		
Deputy Surveyor-General's Trigonometrical Branch . . . . .	Accounts, Correspondence . . . . .	D. S. G., Trig.
<i>Technical.</i>		
Computing . . . . .	Reduction of Geodetic operations . . . . .	Dy. Supdt.
Drawing . . . . .	Mapping . . . . .	Ditto.
Meteorological . . . . .	. . . . .	Ditto.
Photozincographic . . . . .	Reproduction of maps . . . . .	Ditto.
Printing . . . . .	Type Printing . . . . .	Ditto.
Solar Photographic . . . . .	Solar Photography . . . . .	Ditto.
<b>Simla.</b>		
<i>Technical.</i>		
Drawing Office . . . . .	Mapping and Compiling . . . . .	Supdt.

## Names of Field Parties of the Survey of India Department, as they stood on 1st January 1894.

No. of Party.	Locale of Operations.	Nature of Current Operations.	Administrative Officer.
No. 2 & 8'	Bihar and Bengal . . . . .	Cadastral . . . . .	Director, Bengal Surveys.
" 3	Shwebo . . . . .	Ditto . . . . .	D. S. G., Rev.
" 4 & 5	Bihar . . . . .	Ditto . . . . .	Director, Bengal Surveys.
" 6	Assam . . . . .	Ditto . . . . .	D. S. G., Rev.
" 7	Amherst . . . . .	Ditto . . . . .	Ditto.
" 9	Central Provinces . . . . .	Traverse . . . . .	Ditto.
" 10	Bombay . . . . .	Topographical . . . . .	Ditto.
" 11	Upper Burma . . . . .	Ditto . . . . .	D. S. G., Topo.
" 12	Magwe . . . . .	Cadastral . . . . .	D. S. G., Rev.
" 14	Nimar . . . . .	Forests . . . . .	D. S. G., Trig.
" 15	Baluchistan . . . . .	Topographical . . . . .	D. S. G., Topo.
" 17	Bombay . . . . .	Forests . . . . .	Ditto.
" 18	Himalaya . . . . .	Topographical and Forests . . . . .	D. S. G., Trig.
" 19	Madras . . . . .	Forests . . . . .	D. S. G., Topo.
" 20	Burma . . . . .	Ditto . . . . .	Ditto.
" 21	Upper Burma . . . . .	Topographical . . . . .	Ditto.
" 22	Rajputana and Punjab . . . . .	Latitude Observations . . . . .	D. S. G., Trig.
" 23	Madras . . . . .	Ditto . . . . .	Ditto.
" 24	Upper Burma . . . . .	Triangulation . . . . .	Ditto.
" 25	India . . . . .	Tide-Registering and Levelling . . . . .	Ditto.
Detacht.	Calcutta City . . . . .	Cadastral . . . . .	D. S. G., Rev.
"	Garhwal . . . . .	Ditto . . . . .	Ditto.
"	Indus River . . . . .	Riverain . . . . .	Ditto.
"	Aden . . . . .	Topographical . . . . .	D. S. G., Topo.
"	Orissa . . . . .	Cadastral . . . . .	Director, Bengal Surveys.

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 1894.

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 (Calcutta.)	Colonel H. R. Thuillier, C.I.E., R.E.	. . .	. . .	. . .	. . .	Feb. 19, 87	Direction of all Offices and Superintendence of— No. 11 Party (Upper Burma). No. 15 Party (Baluchistan). No. 17 Party (Bombay Forests). No. 19 Party (Madras). No. 20 Party (Burma). No. 21 Party (Upper Burma). Simla Drawing Office. Aden Detachment.
Deputy Surveyor-General, in charge Topographical Branch.	Ditto . .	. . .	. . .	. . .	. . .	Ditto	
Deputy Surveyor-General in charge Revenue Branch. (Calcutta.)	Lieutenant-Colonel C. Strahan, R.E.	. . .	. . .	. . .	. . .	Apl. 2, 91	Superintendence of— No. 3 Party (Shwebo). No. 6 Party (Assam). No. 7 Party (Amherst). No. 9 Party (C. P.). No. 10 Party (Bombay). No. 12 Party (Magwe). Calcutta Detachment. Gurhwal Detachment. Indus River Detachment.
Director of Bengal Surveys. (Calcutta.)	Lieutenant-Colonel J. E. Sandeman, I.S.O.	. . .	. . .	. . .	. . .	Apl. 1, 92	Nos. 2 & 8 Party (Bihar) and (Bengal). Nos. 4 & 5 Party (Bihar). (Orissa) Detachment.

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 1894—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. (Dehra and Mussoorie.)	Col. G. Strahan, R.E.	. . .	. . .	. . .	. . .	Oct. 12, 89	Superintendence of Offices at Dehra and of— No. 14 Party (Nimar). No. 18 Party (Himalaya). No. 22 Party (Ast. I). No. 23 Party (Ast. II). No. 24 Party (Upper Burma). No. 25 Party (Tidal & Leveling).
		J. Eccles, M.A.	. . .	D. Sup.	2nd	Apl. 2, 91	In charge Computing.
			H. W. Peychers .	E. A. Sup.	2nd	Sep. 1, 71	Computing.
			A. D. L. Christie .	E. A. Sup.	3rd	May 2, 92	Ditto.
			C. H. McA'Fee .	E. A. Sup.	4th	Feb. 1, 85	Drawing Section.
Assistant Surveyor-General, Drawing and Engraving Offices. (Calcutta.)	Col. W. H. Wilkins, I.S.O.	. . .	. . .	Sup.	1st	Oct. 10, 90	
			S. M. Smylie .	E. A. Sup.	1st	Mar. 12, 83	
			A. G. Wyatt .	E. A. Sup.	2nd	Nov. 5, 90	
			L. J. Pocock .	E. A. Sup.	3rd	July 30, 92	
			J. A. Barker .	E. A. Sup.	5th	June 5, 93	
			G. D. Cusson .	E. A. Sup.	5th	Nov. 1, 93	
			W. C. G. Barkley .	E. A. Sup.	6th	Oct. 19, 93	
			C. W. F. Seyers .	E. A. Sup.	6th	Sep. 16, 90	
			W. H. D. Ewing .	S. A. S.	1st	Nov. 27, 93	
			J. A. Higgs .	S. A. S.	1st	Nov. 1, 93	
			T. J. J. Mills .	S. A. S.	1st	Dec. 1, 93	
			T. W. Babonau, Jr.	S. A. S.	2nd	Nov. 21, 93	

*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 1894—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, R.E.	. . .	. . . . .	Sup.	2nd	May 7, 89	
Assistant Surveyor-General, Photographic and Lithographic Offices.  (Calcutta.)	Col. J. Waterhouse, R.S.O.	. . .	. . . . .	Sup.	2nd	Dec. 1, 66	
		T. Archdale Pope	. . . . .	D. Sup.	2nd	May 7, 91	
Charge of Map, Record and Issue Office.  (Calcutta.)	Capt. W. J. Bythell, R.E.	. . .	. . . . .	A. Sup.	1st	Nov. 25, 83	Offg. Depy. Supdt., 2nd grade.
Charge of Drawing Office.  (Simla.)	G. W. E. Atkinson.	. . .	. . . . . W. J. Cornelius . F. E. Warde . P. Williams .	A. Sup. E. A. Sup. S. A. S. S. A. S.	2nd 5th 2nd 3rd	Nov. 8, 82 Feb. 1, 90 May 1, 90 Sept. 16, 93	

**List of Technical and Ministerial Officers of the Survey of India  
Department drawing Rs. 100 and above, as it stood on 1st  
January 1894.**

NAMES.	Date of birth.	Designation.	Pay of Post. <i>R a. p.</i>	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
<b>HEAD-QUARTERS OFFICES, CALCUTTA.</b>						
<b>Correspondence Office.</b>						
T. W. Babonau . . .	24 2 44	Registrar . .	400-40-600	Aug. 9, 1861	Sep. 1, 1893	Present pay R560.
T. A. Milne . . .	5 8 55	Head Assistant	250-10-300	June 20, 1872	Dec. 1, 1892	
F. A. D'Rozario . . .	3 7 49	Head Clerk . .	200-20-300	Oct. 14, 1874	Nov. 9, 1892	Ditto R280.
C. O. Gray . . .	17 2 61	Ditto . .	250 0 0	Feb. 5, 1879	July 1, 1893	Short-drawn R15.
H. R. Vallis . . .	16 2 50	Ditto . .	225 0 0	Mar. 5, 1869	Feb. 1, 1892	
G. C. Walker, B.A. . .	23 12 65	Ditto . .	200 0 0	Dec. 21, 1892	Jan. 1, 1894	Short-drawn R40.
J. A. Vallis . . .	11 8 48	Clerk . .	175 0 0	Apl. 1, 1871	Dec. 1, 1889	Furlough for six months from 23rd February 1893.
T. E. Ware . . .	30 5 46	Do. . .	150 0 0	Sep. 1, 1871	Mar. 1, 1886	
Kali Pudo Banerjee . .	27 10 39	Do. . .	125 0 0	Jan. 1, 1859	Sep. 1, 1885	
Bance Madhub Banerjee	Apl. 1844	Do. . .	125 0 0	Mar. 20, 1868	Aug. 1, 1886	
Doorga Narain Ghose, B.A.	30 11 46	Do. . .	100 0 0	Apl. 5, 1869	Mar. 1, 1886	
Ram Kristo Chunder . .	30 9 39	Do. . .	100 0 0	May 14, 1857	May 25, 1888	
Chuni Lal Dey . . .	10 5 56	Do. . .	100 0 0	May 17, 1878	Sep. 1, 1892	
<b>Drawing Office.</b>						
B. M. Smylie . . .	25 11 40	Chief Draftsman	600 0	July 24, 1860	Jan. 5, 1892	
L. J. Pocock . . .	26 9 43	Head ditto	450 0	July 10, 1863	July 30, 1892	
J. A. Higgs . . .	18 4 59	Draftsman . .	325 0 0	Sep. 12, 1881	Nov. 1, 1893	
<b>EUROPEAN DRAFTSMEN.</b>						
W. Green . . .	10 9 39	Draftsman . .	300 0 0	Jan. 1, 1862	Jan. 1, 1890	
A. J. Musgrove . . .	18 2 58	Ditto . .	250 0 0	Apl. 22, 1877	Dec. 1, 1892	
J. R. Adels . . .	16 3 47	Ditto . .	200 0 0	Mar. 23, 1866	Sep. 1, 1874	

*List of Technical and Ministerial Officers of the Survey of India Department drawing R100 and above, as it stood on 1st January 1894—continued.*

NAME.	Date of birth.	Designation.	Pay of Post. <i>R a. p.</i>	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
<b>HEAD-QUARTERS OFFICES, CALCUTTA</b> — <i>contd.</i>						
<b>Drawing Office</b> — <i>contd.</i>						
<b>EUROPEAN DRAFTSMEN—</b> <i>contd.</i>						
A. Descubes . . .	7 7 54	Draftsman .	175 0 0	Jan. 18, 1887	Dec. 5, 1889	On deputation, Forest Department.
B. Sinclair . . .	2 12 61	Ditto .	150 0 0	June 1, 1880	Jan. 1, 1890	
A. S. Bateman . . .	5 11 57	Ditto .	100 0 0	Dec. 6, 1882	May 1, 1892	
<b>NATIVE DRAFTSMEN.</b>						
Mohesh Chunder Shaw .	6 12 36	Ditto .	125 0 0	Dec. 1, 1856	June 15, 1889	Extension of service up to 5th December 1894. Inclusive of R5, personal allowance.
Muttyulla . . .	17 8 42	Ditto .	100 0 0	Dec. 29, 1862	July 1, 1890	
Purna Chunder Sen .	15 1 54	Ditto .	100 0 0	July 10, 1877	Mar. 9, 1893	
<b>Additional Establishment, Drawing Office.</b>						
G. D. Cusson . . .	23 9 46	Draftsman .	400 0 0	May 8, 1868	Nov. 1, 1893	
<i>Vacant</i> . . .	. . .	Ditto .	300 0 0	. . . .	. . . .	
<b>Engraving Office.</b>						
J. Fulford . . .	6 7 43	Head Engraver	800 0 0	Oct. 10, 1872	Apl. 23, 1891	
W. Donaldson . . .	8 11 40	2nd ditto .	700 0 0	Nov. 6, 1868	Jan. 1, 1884	
S. M. Coard . . .	21 8 58	3rd ditto .	500 0 0	Feb. 1, 1875	Apl. 23, 1891	Short-drawn R50.
T. B. Rodger . . .	7 9 51	4th ditto .	450 0 0	Aug. 20, 1872	Oct. 7, 1890	
A. W. N. James . . .	21 1 60	5th ditto .	400 0 0	Mar. 15, 1878	Apl. 23, 1891	Ditto R25.
A. B. Coard . . .	3 10 61	6th ditto .	350 0 0	Mar. 15, 1878	Ditto .	Ditto R25.
E. C. Ollenbach . . .	24 1 61	7th ditto .	300 0 0	Aug. 1, 1879	Ditto .	Ditto R25.
E. Earle . . .	21 3 64	8th ditto .	250 0 0	May 1, 1880	Ditto .	Ditto R25.
L. H. Musgrove . . .	7 4 64	9th ditto .	200 0 0	July 1, 1882	Ditto .	Ditto R25.
F. B. C. Scallan . . .	4 7 70	10th ditto .	150 0 0	Aug. 11, 1884	Ditto .	Ditto R25.
W. M. Wells . . .	9 1 70	11th ditto .	100 0 0	Aug. 11, 1884	Ditto	
W. T. Collins . . .	31 10 58	Copper-plate Printer.	150 0 0	Jan. 6, 1880	May 1, 1884	
Abdul Wahid . . .	5 1 48	1st Native Engraver.	110 0 0	Aug. 1, 1869	Dec. 1, 1890	
Joy Kristo Shaw . . .	4 10 48	2nd ditto .	100 0 0	Aug. 1, 1869	Aug. 1, 1883	

*List of Technical and Ministerial Officers of the Survey of India Department drawing ₹100 and above, as it stood on 1st January 1894—continued.*

NAMES.	Date of birth.	Designation.	Pay of Post.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
			R a. p.			
<b>HEAD-QUARTERS OFFICES, CALCUTTA</b> —contd.						
<b>Photographic and Lithographic Office.</b>						
<b>NORMAL ESTABLISHMENT.</b>						
<i>Lithographic Drawing Section.</i>						
H. L. Lepage . . .	16 5 43	Head Assistant	400-30-550	July 15, 1871	Sept. 1, 1893	Present pay ₹490.
E. Dowling . . .	18 3 68	Head Draftsman.	100-10-200	Aug. 1, 1884	Apr. 1, 1893	Ditto ₹100.
Ambica Churn Mookerjee	1 1 54	Draftsman .	120 0 0	July 10, 1878	Mar. 8, 1893	Short-drawn ₹15.
Sobhan Bux . . .	Mar. 36	Examiner .	100 0 0	Aug. 5, 1854	May 1, 1888	Ditto ₹10. Extension of service up to 30th March 1894.
<i>Lithographic and Zinco-graphic Printing Section.</i>						
B. Mackenzie . . .	23 2 41	Head Printer .	350 0 0	Nov. 24, 1867	Mar. 8, 1893	
D. Deas . . .	9 9 55	Chromo, Litho. Printer.	225-15-330	Nov. 29, 1883	Nov. 29, 1888	Present pay ₹300.
S. U. Ravenscroft . . .	21 2 69	Asst. ditto .	75-10-125	Aug. 1, 1884	Mar. 8, 1893	Ditto ₹85.
Vacant . . .	. . .	Machine Printer.	75-10-125	. . . . .	. . . . .	
J. B. Mackenzie . . .	16 4 65	Asst. Zinco-grapher.	75-10-125	Oct. 1, 1880	Mar. 8, 1893	Ditto ₹105.
<i>Type Printing Section.</i>						
E. D'Pyvah . . .	15 3 50	Head Printer .	150 0 0	Dec. 1, 1892	Mar. 8, 1893	Short-drawn ₹25.
<i>Photographic, Negative and Printing Section.</i>						
J. Harrold . . .	24 5 35	Photographer .	145-15-330	Mar. 19, 1873	Mar. 8, 1893	Extension of service up to 23rd May 1894. Present pay ₹90.
C. J. Meade . . .	28 4 68	Asst. ditto .	75-15-150	Aug. 1, 1884	Mar. 8, 1893	
P. Michael . . .	31 8 70	Ditto .	75-10-125	Sep. 1, 1884	Mar. 8, 1893	Ditto ₹85.
C. Andrews . . .	27 3 66	Ditto .	50-10-100	Nov. 1, 1892	Mar. 8, 1893	Ditto ₹50.
<i>Heliogravure Section.</i>						
A. W. Turner . . .	19 10 53	Photo. Engraver.	300-20-400	May 1, 1885	May 1, 1890	
J. T. Meado . . .	29 12 69	Asst. ditto .	100-10-200	Aug. 1, 1884	Mar. 8, 1893	Ditto ₹100.
<i>Correspondence, Stores and Account-Section.</i>						
W. Moore . . .	4 11 58	Store-keeper .	100-20-200	Sep. 15, 1883	Feb. 1, 1890	
Kanny Lal Sen . . .	27 5 52	Head Clerk and Acctt.	100 0 0	May 26, 1873	Mar. 8, 1893	

*List of Technical and Ministerial Officers of the Survey of India Department drawing ₹100 and above, as it stood on 1st January 1894—continued.*

NAMES.	Date of birth.	Designation.	Pay of post.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
			R a. p.			
<b>HEAD-QUARTERS OFFICES, CALCUTTA—</b>						
<i>concl'd.</i>						
<b>Photographic and Lithographic Office.</b>						
<i>—concl'd.</i>						
<b>CADASTRAL ESTABLISHMENT.</b>						
<i>Photographic Section.</i>						
H. Haward . . .	10 2 50	Head Photo. Asst.	400-20-500	Nov. 16, 1883	Nov. 16, 1892	
R. George . . .	5 5 46	Photographer .	145-15-330	Feb. 1, 1876	Mar. 8, 1893	
L. Lagnier . . .	1 7 50	Ditto .	150-10-200	Feb. 1, 1876	Mar. 8, 1893	
T. Lloyd . . .	7 11 54	Ditto .	150-10-200	July 16, 1873	Mar. 8, 1893	Present pay R150.
<i>Zinc Printing Section.</i>						
E. A. LeFranc . . .	12 12 56	Zincographer .	145 to 330	Nov. 15, 1876	Jan. 1, 1890	Inclusive of house-rent.
F. R. Vandyke . . .	28 9 65	Ditto .	145 to 330	Aug. 1, 1889	Aug. 1, 1891	Inclusive of house-rent. Present pay R170.
G. A. LeFranc . . .	27 4 67	Asst. ditto .	75-10-125	Aug. 1, 1884	Mar. 8, 1893	Ditto R85.
<b>Mathematical Instrument Office.</b>						
<b>WORKSHOP SECTION.</b>						
T. Bolton, F.R.A.S., London.	11 1 45	Mathematical Instrument-maker.	600-30-750	Sep. 16, 1867	Nov. 11, 79	
T. R. Theakston . . .	26 12 68	Assistant Mathematical Instrument-maker.	350-30-500	Oct. 10, 1892	Nov. 1, 1893	Present pay R350.
<b>CORRESPONDENCE SECTION.</b>						
W. Campagnac . . .	21 9 58	Head Clerk .	150-10-200	Apl. 1, 1882	Jan. 1, 1894	Furlough to England for 12 months from 12th April 1893. Present pay R180.
W. R. Tulloch . . .	1 10 69	2nd ditto .	75-5-100	Apl. 1, 1888	Jan. 1, 1894	Ditto R70.
<b>STORE SECTION.</b>						
M. C. Belletty . . .	15 4 53	Store-keeper .	150 0 0	Apl. 15, 1878	Jan. 1, 1894	Short-drawn R10.

*List of Technical and Ministerial Officers of the Survey of India Department drawing ₹100 and above, as it stood on 1st January 1894—concluded.*

NAMES.	Date of birth.	Designation.	Pay of Post. <i>R a. p.</i>	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
<b>TRIGONOMETRICAL BRANCH OFFICE, DEHRA DUN.</b>						
<i>Computing Section.</i>						
Cally Mohun Ghose	Nov. 43	Computer	200 0 0	Nov. 6, 1865	Sep. 1, 1892	Furlough for 15 months from 10th July 1886, On furlough for 12 months from 6th March 1893.
Cally Coomar Chatterjee	Nov. 42	Ditto	130 0 0	Aug. 12, 1865	Apl. 1, 1890	
Amba Prasad	3 7 45	Ditto	130 0 0	July 26, 1865	Sep. 1, 1892	
Shoshi Dhooshun Shome	13 7 49	Ditto	130 0 0	Apl. 15, 1872	Sep. 1, 1892	
Shiv Nath Saba	30 9 50	Ditto	130 0 0	Nov. 26, 1873	Sep. 1, 1892	
Mizaji Lal	31 1 50	Ditto	130 0 0	Feb. 14, 1872	Sep. 1, 1892	
Tarapodo Mookerjee	Nov. 39	Ditto	110 0 0	May 21, 1862	Mar. 1, 1891	
Umbica Churn Shome	1 7 43	Ditto	105 0 0	Feb. 8, 1867(a)	Sep. 1, 1888	(a) Date of appointment to Educational Department. Joined Computing Office, Survey of India, 10th April 1868.
<i>Photoinco. Section.</i>						
J. S. Manuel	30 4 51	Assistant Zinco-grapher.	150 0 0	July 16, 1869	Mar. 1, 1893	
<i>Printing Section.</i>						
B. V. Hughes	11 4 40	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>						
J Burbridge	18 10 59	Head Clerk	150-20-250	Jan. 16, 1879	Dec. 1, 1892	Present pay ₹210 Sick leave from 15th March to 31st August 1893.
<i>Solar Photographic Section.</i>						
C. F. Guthrie	15 3 61	Asst. Solar Photographer.	150 0 0	Nov. 1, 1880	Mar. 1, 1893	
<b>SIMLA DRAWING OFFICE.</b>						
H. Sindon	3 12 48	Draftsman	115 0 0	Jan. 1, 1865	Oct. 1, 1891	
Jafr Khan	1 3 50	Draftsman	100 0 0	Dec. 1, 1862	Nov. 1, 1893	
F. Rozario	23 3 50	Surveyor	110 0 0	May 28, 1873	Nov. 1, 1893	



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.		
2 & 8	Bihar (Cadastral.)	D.B.S.	Lieut. R. T. Crichton, I.S.C.	A. Sup.	1st	Nov. 4, 93		
			Lieut. C. W. H. Symonds, I.S.C.	A. Sup.	2nd	Oct. 1, 93		
			R. B. Smart	E. A. Sup.	4th	Oct. 1, 93		
			G. Campbell	E. A. Sup.	6th	Dec. 1, 93		
			G. T. Hall	E. A. Sup.	6th	Oct. 1, 93		
			G. G. Vander-Beeck	E. A. Sup.	6th	Oct. 1, 93		
			A. W. Smart	E. A. Sup.	6th	Oct. 1, 93		
			J. P. Barker	S. A. S.	1st	Oct. 1, 93		
			N. Bedford	S. A. S.	1st	Oct. 1, 93		
			C. G. S. Wood	S. A. S.	2nd	Oct. 1, 93		
	C. S. Gasper	S. A. S.	2nd	Oct. 1, 93				
		Recess quarters, Dinapur		Permanent Establishment				
				Temporary	ditto			
	Bengal (Cadastral.)	D.B.S.	Capt. J. M. Fleming, I.S.C.	D. Sup.	2nd	Nov. 24, 92		
			J. McHatton	E. A. Sup.	5th	Jan. 1, 80		
			T. Shaw	E. A. Sup.	6th	Oct. 14, 92		
			L. F. Berkeley	S. A. S.	1st	Apr. 1, 93		
			A. B. Smart	S. A. S.	2nd	Oct. 14, 92		
			P. K. Vaughan	S. A. S.	3rd	Oct. 1, 93		
				Recess quarters, Calcutta		Permanent Establishment		
					Temporary	ditto		
3			Shwebo (Cadastral.)	D.S.G. Rev.	G. B. Scott	D. Sup.	2nd	Dec. 31, 91
					J. Connor	E. A. Sup.	4th	Feb. 1, 90
	C. W. Wilson	E. A. Sup.			6th	Dec. 1, 93		
	O. D. Smart	S. A. S.			1st	Feb. 20, 88		
	P. J. Serrao	S. A. S.			2nd	Nov. 1, 90		
	F. P. Walsh	S. A. S.			2nd	Oct. 11, 89		
	W. J. Baker	S. A. S.			2nd	Jan. 25, 88		
	H. B. Powell	S. A. S.			3rd	Nov. 22, 91		
	O. C. Ollenbach	S. A. S.			3rd	Oct. 1, 92		
	W. Nowland	S. A. S.			3rd	Sep. 11, 93		
		Recess quarters, Mandalay				Permanent Establishment		
						Temporary	ditto	

Department attached to Field Parties, 1st January 1894.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkundazes and Peons.		
22	9	39	1	24	1,20,720	
600	52	343				
3	8	8	1	5	1,18,250	
241	36	520		8		
17	15	269	2	7	2,61,460	
200	69	596		19		

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.
4 & 5	Bihar (Cadastral.)	D. B. S.	Capt. G. B. Hodgson, r.s.o.	D. Sup.	2nd	Nov. 17, 90
			J. S. Pemberton	A. Sup.	2nd	Oct. 1, 92
			H. T. Hanby	E. A. Sup.	3rd	May 1, 70
			W. J. O'Sullivan	E. A. Sup.	3rd	Nov. 1, 93
			S. O. Madras	E. A. Sup.	5th	Oct. 1, 93
			C. S. Kraal	S. A. S.	1st	Oct. 1, 93
			P. C. H. Smart	S. A. S.	1st	Nov. 1, 91
			C. G. Lee	S. A. S.	2nd	Oct. 1, 93
			H. H. B. Hanby	S. A. S.	3rd	Oct. 1, 92
			Recess quarters, Dinapur			Permanent Establishment
			Temporary ditto			
6	Assam (Cadastral.)	D. S. G. Rev.	E. C. Barrett	Supdt.	2nd	Nov. 6, 93
			W. H. Penrose	E. A. Sup.	6th	June 5, 93
			J. Smith	S. A. S.	2nd	Nov. 1, 84
			Recess quarters, Shillong			Permanent Establishment
			Temporary ditto			
7	Amherst (Cadastral.)	D. S. G. Rev.	C. Wood	A. Sup.	1st	Dec. 1, 90
			H. R. Littlewood	A. Sup.	1st	Oct. 21, 85
			W. C. Price	E. A. Sup.	3rd	Dec. 1, 92
			G. W. Jarbo	E. A. Sup.	5th	Nov. 1, 90
			J. Murphy	E. A. Sup.	6th	Nov. 1, 91
			M. Gastaud	S. A. S.	1st	Oct. 1, 91
			F. B. Powell	S. A. S.	2nd	Apr. 1, 90
			M. F. Berkeley	S. A. S.	3rd	Nov. 1, 93
			Amar Singh	S. A. S.	3rd	Nov. 1, 93
			Recess quarters, Rangoon			Permanent Establishment
			Temporary ditto			

attached to Field Parties, 1st January 1894—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
						Offg. Deputy Superintendent, 1st grade.
						Offg. Assistant Superintendent, 1st grade.
31	10	69	1	17	} 2,12,500	
566	129	633		4		
10	8	117	1	6	} 98,770	
80	40	163				
						Offg. Deputy Superintendent, 2nd grade.
90	9	133		18	} 2,12,710	
	82	620				

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.
9	Central Provinces (Traverse.)	D. S. G. Rev.	E. J. Jackson . . . . .	D. Sup.	1st	Nov. 17, 93
			H. Dowman . . . . .	E. A. Sup.	3rd	Nov. 1, 85
			C. George . . . . .	S. A. S.	1st	Oct. 1, 92
			C. H. G. Johnson . . . . .	S. A. S.	2nd	Nov. 1, 89
			G. Rae . . . . .	S. A. S.	3rd	Nov. 19, 90
Recess quarters, Kamptee .			Permanent Establishment . . . . .			
			Temporary ditto . . . . .			
10	Bombay (Topo.)	D. S. G. Rev.	Major J. R. Hobday, I.S.O. . . . .	D. S. up.	1st	Oct. 20, 91
			Lt. H. A. D. Fraser, R.E. . . . .	A. Sup.	2nd	Oct. 29, 91
			A. J. Gibson . . . . .	E. A. Sup.	2nd	Nov. 26, 93
			W. Stotesbury . . . . .	E. A. Sup.	4th	Nov. 1, 90
			R. R. Dickinson . . . . .	E. A. Sup.	6th	May 1, 86
			G. A. Knight . . . . .	E. A. Sup.	6th	Nov. 1, 02
			J. A. Freeman . . . . .	S. A. S.	3rd	Nov. 23, 91
Recess quarters, Poona .						
11	Upper Burma (Topo.)	D. S. G. Topo.	Col. R. G. Woodthorpe, O.B., R.E. . . . .	D. Sup.	1st	June 23, 92
			Lt. C. H. D. Ryder, R.E. . . . .	A. Sup.	2nd	Oct. 1, 93
			P. J. W. Doran . . . . .	E. A. Sup.	5th	May 12, 90
			W. M. Kelly . . . . .	E. A. Sup.	6th	Oct. 1, 92
			H. G. Shaw . . . . .	S. A. S.	2nd	Oct. 1, 92
Recess quarters, Bangalore						
12	Magwe (Cadastral).	D. S. G. Rev.	A. E. Spring . . . . .	A. Sup.	1st	Sept. 24, 93
			W. S. Buttress . . . . .	E. A. Sup.	2nd	Oct. 1, 89
			E. G. Little . . . . .	E. A. Sup.	3rd	Feb. 1, 90
			J. S. Swiney . . . . .	E. A. Sup.	5th	Nov. 1, 91
			A. George . . . . .	S. A. S.	1st	Oct. 1, 92
			W. E. Johnson . . . . .	S. A. S.	2nd	Nov. 1, 90
			F. S. Bell . . . . .	S. A. S.	2nd	Oct. 11, 89
H. W. Biggie . . . . .	S. A. S.	3rd	Jan. 1, 93			
Recess quarters, Mandalay.			Permanent Establishment . . . . .			
			Temporary ditto . . . . .			

attached to Field Parties, 1st January 1894—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
14	15	29	2	1	77,010	
28	15	235	. . .	. . .		
. . .	. . .	. . .	. . .	. . .	. . . . .	Offg. Asst. Superintendent, 1st grade.
36	1	265	. . .	6	83,520	
. . .	. . .	. . .	. . .	. . .	. . . . .	Offg. Superintendent, 2nd grade.
. . .	. . .	. . .	. . .	. . .	. . . . .	Offg. Assistant Superintendent, 1st grade.
11	1	149	1		,510	
10	11	241	2	18	2,48,650	
165	36	561	. . .	2		

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.
14	Nimar (Topo. Forests.)	D. S. G. Trig.	Col. J. R. Wilmer, r.s.o.	Sup.	2nd	Oct. 23, 88
			N. C. Gwynne	E.A. Sup.	3rd	Apl. 1, 90
			J. Keating	S. A. S.	1st	Oct. 1, 89
			D. Campbell	S. A. S.	1st	Apl. 17, 88
			B. R. Hughes	S. A. S.	2nd	Oct. 1, 91
			Rahmatulla	S. A. S.	3rd	Oct. 1, 92
			J. O. Greiff	S. A. S.	3rd	Nov. 13, 91
Recess quarters, Mussoorie						
15	Baluchistan (Topo.)	D. S. G. Topo.	Bt.-Col. T. H. Holdich, r.s.o.	Sup.	1st	Oct. 16, 91
			Capt. R. J. H. L. Mackenzie, r.s.o.	D. Sup.	2nd	Oct. 1, 88
			T. E. M. Claudius	E. A. Sup.	4th	Oct. 1, 83
			E. A. Wainright	E. A. Sup.	5th	Oct. 1, 89
			Yusuf Sharif, Khan Bahadu	S. A. S.	2nd	Apl. 1, 89
			Rai Hira Sing, Bahadur	S. A. S.	2nd	Feb. 15, 88
			Imam Sharif, Khan Bahadur	S. A. S.	3rd	May 5, 93
Recess quarters, Quetta						
	Bombay (Topo. Forests.)	D. S. G. Topo.	Col. H. S. Hutchinson, r.s.o.	Sup.	2nd	June 9, 91
			C. E. Tapsell	E. A. Sup.	5th	Nov. 13, 93
			S. F. Norman	S. A. S.	1st	Sep. 1, 74
			C. Norman	S. A. S.	1st	Oct. 12, 74
Recess quarters, Poona						

attached to Field Parties, 1st January 1894—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
44	6	110	1	16	93,640	Offg. Extra Assistant Superintendent, th grade.
14	1	118	1	7	1,33,250	
32	1	180		8	75,800	

## 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.
18	Himalaya (Topo.)	D. S. G. Trig.	Major St. G. C. Gore, R.E.	D. Sup.	1st	Oct. 31, 90
			C. D. Potter	E. A. Sup.	5th	Nov. 1, 87
			W. Robert	E. A. Sup.	6th	Sep. 1, 79
			W. A. Fielding	E. A. Sup.	6th	Oct. 1, 87
			R. W. Senior	S. A. S.	1st	Oct. 1, 89
			W. M. Gorman	S. A. S.	3rd	Sep. 19, 93
	Recess quarters, Simla					
19	Madras (Topo. Forests.)	D. S. G. Topo.	Major R. A. Wahab, R.E.	D. Sup.	1st	Sep. 19, 93
			C. F. Hamer	E. A. Sup.	4th	Nov. 1, 87
			Hugh Todd	E. A. Sup.	4th	Oct. 1, 76
			R. Todd	E. A. Sup.	6th	Oct. 1, 84
			J. H. S. Wilson	S. A. S.	3rd	Nov. 1, 93
	Recess quarters, Bangalore.					
20	Burma (Topo. Forests.)	D. S. G. Topo.	G. H. Cooke	D. Sup.	1st	Nov. 1, 93
			W. A. Wilson	E. A. Sup.	1st	Nov. 15, 90
			P. White	E. A. Sup.	6th	Nov. 1, 93
			R. F. Warwick	S. A. S.	1st	Apr. 3, 93
			A. Ewing	S. A. S.	1st	Nov. 1, 89
			H. A. Charrier	S. A. S.	2nd	Nov. 1, 89
	Recess quarters, Bangalore					
21	Upper Burma (Topo.)	D. S. G. Topo.	Capt. F. B. Longe, R.E.	D. Sup.	1st	Feb. 3, 93
			Capt. P. J. Gordon, I.S.C.	A. Sup.	1st	Oct. 30, 93
			A. J. James	E. A. Sup.	4th	Nov. 1, 93
			J. M. Kennedy	S. A. S.	1st	May 16, 91
			W. F. E. Adams	S. A. S.	2nd	Oct. 21, 91
	Recess quarters, Bangalore.					

## attached to Field Parties, 1st January 1894—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
25	5	242	1	9	79,770	
30	1	260	1	23	74,960	
32	1	592	2	9	1,14,380	
14	1	108	1	4	82,640	

## 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.
22	Rajputana and Punjab (Astronomical.)	D. S. G. Trig.	Capt. S. G. Burrard, R.E. . . . .	D. Sup.	2nd	Nov. 2, 91
			Aulad Hussein . . . . .	S. A. S.	3rd	Nov. 3, 91
	Recess quarters, Mussoorie					
23	Madras (Astronomical.)	D. S. G. Trig.	Lt. G. P. Lenox-Conyngham, R.E. . . . .	A. Sup.	1st	Oct. 1, 89
	Recess quarters, Mussoorie					
24	Upper Burma (Triangulation.)	D. S. G. Trig.	Lt. J. M. Burn, R.E. . . . .	A. Sup.	1st	Oct. 12, 91
			Lt. A. J. Pilcher, R.E. . . . .	A. Sup.	2nd	Sep. 6, 93
			J. Hickie . . . . .	E. A. Sup.	5th	Oct. 1, 88
			P. F. Prunty . . . . .	E. A. Sup.	6th	Sep. 15, 83
	Recess quarters, Mussoorie					
25	India (Tidal and Levelling.)	D. S. G. Trig.	Lt.-Col. J. Hill, R.E. . . . .	Sup.	2nd	Nov 18, 90
			Lt. C. C. D. Morice, R.E. . . . .	A. Sup.	2nd	Nov. 11, 91
			G. P. Belcham . . . . .	E. A. Sup.	2nd	Sep. 1, 79
			E. J. Connor . . . . .	E. A. Sup.	4th	Dec. 1, 77
			J. Bond . . . . .	E. A. Sup.	5th	June 1, 88
	Recess quarters, Poona					

attached to Field Parties, 1st January 1894—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Deputy Superintendent, 1st grade.
. . . . .	1	41	1	. . . . .	27,420	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Deputy Superintendent, 2nd grade.
. . . . .	2	50	1	. . . . .	24,020	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	
. . . . .	4	184	1	17	81,520	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Assistant Superintendent, 1st grade.
5	14	32	. . . . .	8	74,060	

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.
Detacht.	Calcutta City (Cadastral.)	D. S. G. Rev.	Col. W. H. Wilkins, I.S.O.	Sup.	1st	Sep. 22, 90
			A. J. Wilson	E. A. Sup.	1st	May 8, 92
			Sarat Chunder Sen	S. A. S.	2nd	April 1, 92
	Recess quarters, Calcutta					Permanent Establishment. Temporary ditto
Detacht.	Garhwal (Cadastral.)	D. S. G. Rev.	T. F. Freeman	E. A. Sup.	5th	Oct. 1, 76
			W. Skilling	S. A. S.	2nd	Oct. 1, 85
			J. H. Murphy	S. A. S.	2nd	Nov. 1, 87
	Recess quarters, Naini Tal.					Permanent Establishment Temporary ditto
Detacht.	Indus River (Topo.)	D. S. G. Rev.	H. E. T. Keelan	E. A. Sup.	1st	Oct. 29, 92
	Recess quarters, Karachi					Permanent Establishment. Temporary ditto
Detacht.	Aden (Topo.)	D. S. G. Topo.	G. P. Tate	S. A. S.	1st	Oct. 15, 93
Detacht.	Orissa (Cadastral.)	D. B. S.	R. C. D. Ewing	E. A. Sup.	5th	Sept. 12, 87
			E. F. Berkeley	S. A. S.	1st	Nov. 1, 90
			Nilmoni Chatterjee	S. A. S.	3rd	Nov. 23, 91
	Recess quarters, Cuttack					Permanent Establishment Temporary ditto

attached to Field Parties, 1st January 1894—concluded.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
2	18	21	4	4	20,000	
234	192	293	1	4		88,000
11	1	29	4	4	20,180	
2	1	20	3	3		9,600
202	112	810	1	5	1,91,000	

Disposition List of Officers of the Survey of India Department temporarily transferred to other Departments, or on furlough, etc., 1st January 1894.

Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Govt. or Dept. to which transferred.	REMARKS.
<i>On Deputation.</i>					
Capt. H. M. Jackson, B.E.	. . . . .	D. Sup.	1st	. . . . .	On military duty.
W. H. Reynolds	. . . . .	D. Sup.	1st	Forest Department,	
E. F. Litchfield	. . . . .	A. Sup.	1st	Ditto.	
C. F. Erskine	. . . . .	A. Sup.	1st	Berar.	
	J. H. O'Donel	E. A. Sup.	4th	Assam.	
	T. H. Dunne	E. A. Sup.	5th	Central Provinces.	
	J. R. Scott	E. A. Sup.	5th	Ditto.	
	G. C. Swiney	E. A. Sup.	5th	Ditto.	
	C. P. Torrens	E. A. Sup.	6th	Burma.	
	G. E. Parker	E. A. Sup.	6th	Central Provinces.	
	E. P. S. Hill	E. A. Sup.	6th	Ditto.	
	T. S. Marten	E. A. Sup.	6th	Forest Department.	
	J. Marten	S. A. S.	1st	Ditto.	
	P. Beechey	S. A. S.	1st	Burma.	
	J. A. T. Haddock	S. A. S.	2nd	Ditto.	
	J. H. Nichol	S. A. S.	2nd	Forest Department.	
	C. Litchfield	S. A. S.	3rd	Forest Department	
<i>On Furlough, etc.</i>					
Lieut.-Col. J. B. McCullagh, B.E.	. . . . .	Sup.	2nd	. . . . .	For 1 year, 3 months and 18 days from 1st October 1893.
Capt. T. F. B. Renny-Tailleur, B.E.	. . . . .	D. Sup.	2nd	. . . . .	For 1 year from 6th May 1893.
B. G. Gilbert-Cooper	. . . . .	A. Sup.	1st	. . . . .	For 15 months from 19th May 1892. Extension for 7 months and 16 days.
	T. H. Reudell	E. A. S.	4th	. . . . .	For 3 months, from 24th October 1893.



