

# LIST OF OFFICERS

IN

# THE SURVEY OF INDIA DEPARTMENT

CORRECTED TO

1st JANUARY 1895.



CALCUTTA :  
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.  
1895.

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GOVERNMENT OF INDIA CENTRAL PRINTING OFFICE,  
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Wilson, A. J. . . . .	8 40 ...
Wilson, C. W. . . . .	12 32 ...
Wilson, J. H. S. . . . .	20 40 ...
Wilson, W. A. . . . .	8 40 ...
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Wood, C. G. S. . . . .	18 46 ...
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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 1895.
	<b>Administrative Staff.</b>						
1	Col. H. B. Thuillier R.C.I.E., B.E.	G. T. S.	PH.	26 3 38	May 21, 1859	Feb. 19, 1887	Y. M. D. . . .
1	Col. C. Strahan, B.E.	Topogl.	. . . .	6 5 43	Sep. 26, 1863	Apl. 2, 1891	. . .
1	Col. J. E. Sandeman, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1892	. . .
1	Major St. G. C. Gore, B.E.	. . . .	. . . .	. . . .	. . . .	May 1, 1894	. . .
1	Col. W. H. Wilkins, I.S.O.	. . . .	. . . .	. . . .	. . . .	Oct. 10, 1890	. . .
2	Col. J. Waterhouse, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1874	. . .
3	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	Col. W. H. Wilkins, I.S.O.	Rev.	PH.	6 10 41	Apl. 27, 1863	Feb. 19, 1891	. . .
2	Col. J. E. Sandeman, I.S.O.	Rev.	PH.	2 9 43	Oct. 6, 1864	Mar. 31, 1891	. . .
3	Col. T. H. Holdich, C.B., C.I.E., B.E.	Topogl.	LS.	16 2 43	July 23, 1866	Apl. 2, 1891	. . .
	<b>2ND GRADE.</b>						
	<i>Salary R1,300.</i>						
1	Col. J. Waterhouse, I.S.O.	Topogl.	PH.	24 7 42	July 23, 1866	Apl. 26, 1889	. . .
2	Col. M. W. Rogers, B.E.	G. T. S.	LS.	3 2 42	July 30, 1866	June 28, 1889	. . .
3	Lt.-Col. J. Hill, B.E.	G. T. S.	...	24 12 40	Dec. 18, 1866	Oct. 1, 1890	. . .
4	Col. J. R. McCullagh, B.E.	G. T. S.	LS.	25 3 42	Feb. 12, 1869	Dec. 10, 1890	. . .
5	Col. J. R. Wilmer, I.S.O.	Topogl.	IIS.	20 1 41	Aug. 24, 1869	Feb. 19, 1891	. . .
6	E. C. Barrett	Rev.	HS.	14 4 43	Dec. 30, 1868	Oct. 13, 1891	31 3 0
7	Col. R. G. Woodthorpe, C.B., B.E.	Topogl.	LS.	23 9 44	July 14, 1871 June 5, 1892A	Apl. 28, 1894	. . .

\* Applies only to Officers who are under the Uncovenanted Service Rules.  
(A) Date of re-appointment.

## of India Department, as it stood on 1st January 1895.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	<i>R a. p.</i>			
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	. . . . .	Director, Bengal Surveys.	
1	1,182 10 0	(a) Local, R200 .	Superintendent, Trigonometri- cal Surveys, Dehra Dun.	
1	1,600 0 0	(b) Presidency, R60	Assistant Surveyor-General	In charge, Engraving and Drawing Offices, Head- Quarters, Calcutta.
2	1,300 0 0	(c) Special, 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	. . . . .	. . . . .	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	(d) Deputation, R100	In charge, No. 25 (Tidal and Levelling).	
4	. . . . .	. . . . .	. . . . .	Furlough for 1 year, 3 months and 16 days, from 1st October 1893.
5	. . . . .	. . . . .	. . . . .	Furlough for 1 year, 9 months and 17 days, from 3rd April 1894 to 19th January 1894.
6	1,300 0 0	. . . . .	In charge, No. 6 (Assam).	Joined the Junior Division, 10th November 1862.
7	1,543 8 0	. . . . .	Attached to the Mekong Commis- sion.	

(a) Secretary of State's Despatch No. 43 (Revenue), dated 10th April 1894.  
(b) Department of Agriculture, Revenue and Commerce, memorandum No. 213, dated 14th May 1878.  
(c) Ditto of Agriculture, Revenue and Commerce, memorandum No. 731, dated 31st October 1878.  
(d) Ditto of Revenue and Agriculture, No. 510-61-4, 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 1895.
		<b>SENIOR DIVISION</b>						
		<i>—contd.</i>						
		<b>Deputy Superintendents.</b>						
		<b>1st GRADE.</b>						
		<i>Salary ₹1,000.</i>						
8		1 G. H. Cooke . . . . .	Rev.	LS.	29 10 44	Apl. 1, 1870	Aug. 12, 1889	26 6 8
		2 E. J. Jackson . . . . .	Rev.	HS.	6 11 44	Nov. 5, 1868	Oct. 1, 1890	26 6 8
		3 Major St. G. C. Gore, B.E. . . . .	G. T. S.	. . . . .	24 2 49	Apl. 11, 1873	Oct. 31, 1890	. . . . .
		4 Major J. R. Hobday, I.S.O. . . . .	Topogr.	HS.; Colloquial Burmese and LS. Shan.	16 7 50	Sep. 11, 1874	Nov. 4, 1890	. . . . .
		5 Capt. F. B. Longe, B.E. . . . .	†	. . . . .	31 10 56	Mar. 15, 1880	Dec. 10, 1890	. . . . .
		6 Major R. A. Wahab, B.E. . . . .	†	HS; HP. Urdu; HS Persian; HS Pushtu.	14 4 55	Jan. 8, 1883	Feb. 19, 1891	. . . . .
		7 W. H. Reynolds, F.B.E.S. . . . .	†	LS.	20 2 43	Oct. 24, 1890	Mar. 31, 1891	. . . . .
		8 Capt. H. M. Jackson, B.E. . . . .	†	HS.	27 3 58	June 11, 1883	Oct. 13, 1891	. . . . .
		9 Capt. G. B. Hodgson, I.S.O. . . . .	†	HS.	28 10 58	Sep. 12, 1883	Apl. 28, 1894	. . . . .
9		<b>2ND GRADE.</b>						
		<i>Salary ₹850.</i>						
		1 Capt. S. G. Burtard, B.E. . . . .	†	LS.	12 8 60	Sep. 2, 1884	June 28, 1889	. . . . .
		2 G. B. Scott . . . . .	Rev.	{ HS. } { LS. } { Burmese }	31 7 44	Nov. 10, 1884	Apl. 1, 1890	31 8 0
		3 J. Eccles, M.A. . . . .	†	. . . . .	9 9 57	May 30, 1885	Dec. 10, 1890	9 7 1
		4 Capt. J. M. Fleming, I.S.O. . . . .	†	{ HS. and } { LS. } { Persian }	12 8 58	July 3, 1885	Feb. 19, 1891	. . . . .
		5 T. Archdale Pope . . . . .	†	Telugu, Tamil.	21 6 58	Oct. 1, 1886	Mar. 31, 1891	7 9 0A
		6 Capt. T. F. B. Renny-Tailyour, B.E. . . . .	†	. . . . .	8 6 63	Apl. 1, 1888	Apl. 2, 1891	. . . . .
		7 Capt. R. J. H. L. Mackenzie, B.E. . . . .	†	. . . . .	15 4 63	Mar. 26, 1888	Oct. 13, 1891	. . . . .
		8 Capt. W. J. Bythell, B.E. . . . .	†	LS.	9 9 62	May 29, 1889	Apl. 28, 1894	. . . . .
		9 Lieut. G. P. Lenox-Conyngham, B.E. . . . .	†	. . . . .	21 8 66	July 16, 1889	May 8, 1894	. . . . .

\* Applies only to Officers who are under the Uncovenanted Service Rules.  
† Joined the Department after the amalgamation on the 1st January 1878.  
(A) Excludes previous service under Madras Government.

## India Department, as it stood on 1st January 1895—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	<i>R a. p.</i>			
1	1,300 0 0	. . . . .	In charge, No. 3 (Upper Burma)	Joined the Junior Division, 6th December 1866. Officiating Superintendent, 2nd grade.
2	1,300 0 0	. . . . .	In charge, No. 9 (Central Provinces).	Joined the Junior Division, 26th September 1864. Officiating Superintendent, 2nd grade.
3	. . . . .	. . . . .	Superintendent, Trigonometrical Surveys, Dehra Dun.	
4	1,000 0 0	. . . . .	In charge, No. 17 (Bombay Forest).	
5	1,140 0	(e) Upper Burma, R100.	In charge, No. 21 (Upper Burma).	
6	1,182 10 0	. . . . .	Attached to the Waziristan Delimitation Commission.	
7	1,000 0 0	Staff, R100 . . . . .	On deputation, Forest Department, as Superintendent, Forest Surveys.	Service in Forest Department, from 1st January 1871 to 23rd October 1890.
8	1,140 0 0	. . . . .	In charge, No. 19 (Madras).	
9	1,000 0 0	. . . . .	In charge, Nos. 2 and 8 (Bengal)	
1	1,140 0 0	. . . . .	In charge, No. 22 (Astronomical.)	Officiating Deputy Superintendent, 1st grade.
2	1,000 0 0	. . . . .	Superintendent, Settlement Surveys, N.-W. P.	Joined the Junior Division, 1st May 1868. Officiating Deputy Superintendent, 1st grade.
3	850 0 0	. . . . .	In charge, Computing.	
4	850 0 0	(b) Presidency, R60	In charge, Bengal Detachment's and Director's Offices, Calcutta, Head-Quarters, Calcutta.	
5	850 0 0	(b) Presidency, R60		
6	990 0 0	(c) Upper Burma, R100.	In charge No. 11 (Upper Burma)	
7	990 0 0	(f) Baluchistan, R100	Attached to the Baluch-Afghanistan Delimitation Commission.	
8	990 0 0	. . . . .	In charge, No. 14 (Central Provinces).	
9	920 0 0	. . . . .	In charge, No. 23 (Astronomical)	

(b) Department of Agriculture, Revenue and Commerce, memorandum No. 213, dated 14th May 1878.  
(c) Department of Finance and Commerce, No. 756, dated 11th February 1889.  
(f) Department of Finance and Commerce, No. 5626, dated 25th October 1888.

## 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 1895.
		<b>SENIOR DIVISION</b> —concl'd.						V. M. D.
		<b>Assistant Superintendents.</b>						
		<b>1ST GRADE.</b>						
		<i>Salary R600.</i>						
10		1 C. Wood . . . . .	G. T. S.	LS.	21 7 42	Dec. 3, 1889	Dec. 10, 1890	36 5 10
		2 Lieut. R. T. Criehton, I.S.C. . . . .	†	HS.	8 3 65	Dec. 16, 1889	Feb. 19, 1891	. . . .
		3 E. F. Litchfield † . . . . .	†	HS.	23 1 52	Oct. 24, 1890	Mar. 31, 1891	. . . .
		4 Capt. P. J. Gordon, I.S.C. . . . .	†	HS.	2 6 59	Nov. 10, 1890	Aug. 5, 1891	. . . .
		5 B. G. Gilbert-Cooper . . . . .	†	HS. } HS. Sindhi } HS. Marathi }	24 6 57	Feb. 19, 1891	Apl. 5, 1892	1 9 18
		6 C. F. Erskine . . . . .	†	HS. } LS. Marathi } HS. Marathi }	15 10 55	Feb. 19, 1891	Oct. 12, 1892	3 4 10B
		7 A. E. Spring . . . . .	†	HS. } LS. Marathi } LS. Sindhi }	4 1 55	Feb. 18, 1891	Oct. 12, 1892	3 2 1B
		8 Lieut. J. M. Burn, B.E. . . . .	†	LS.	18 12 66	May 17, 1891	Dec. 3, 1893	. . . .
		9 Lieut. C. C. D. Morice, B.E. . . . .	†	LS.	29 5 67	Nov. 11, 1891	Apl. 28, 1894	. . . .
		10 Lieut. H. A. D. Fraser, B.E. . . . .	†	...	19 6 67	Oct. 29, 1891	Aug. 10, 1894	. . . .
		<b>2ND GRADE.</b>						
		<i>Salary R500.</i>						
10		1 Lieut. C. H. D. Ryder, B.E. . . . .	†	LS. and LS. Pushtu.	28 6 68	Nov. 29, 1891	. . . . .	. . . .
		2 J. S. Pemberton. . . . .	Rev.	LS.	8 7 43	Apl. 1, 1892	. . . . .	34 2 21
		3 Lieut. A. J. Pilcher, B.E. . . . .	†	HS.	27 8 66	July 16, 1892	. . . . .	. . . .
		4 Lieut. C. W. H. Symonds, I.S.C. . . . .	†	HS.	6 9 65	Sep. 28, 1892	. . . . .	. . . .
		5 G. W. E. Atkinson . . . . .	G. T. S.	. . . .	11 10 43	Nov. 8, 1892	. . . . .	35 2 20
		6 Lieut. C. L. Robertson, B.E. . . . .	†	LS.	13 2 67	May 3, 1894	. . . . .	. . . .
		7 Lieut. W. M. Coldstream, B.E. . . . .	†	. . . .	19 2 69	Nov. 25, 1894	. . . . .	. . . .
		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.  
(B) Excludes previous service in the Bombay Revenue Survey.

## India Department, as it stood on 1st January 1895—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.			
1	800 0 0	(f) Burma, R150 .	In charge, No. 7 (Amherst) .	{ Officiating Deputy Superintendent, 2nd grade. Joined Junior Division, 6th May 1888.
2	800 0 0	. . . . .	In charge, Nos. 4 and 5 (Bihar).	Officiating Deputy Superintendent, 2nd grade.
3	600 0 0	Local, R50. . . .	On deputation, Forest Department.	Service in Forest Department from 16th October 1876 to 23rd October 1890.
4	600 0 0	{ (c) Charge, R100. (e) Burma, R100.	In charge, No. 20 (Burma).	
5	600 0 0	{ (c) Charge, R100 . (e) Upper Burma, R150.	In charge, No. 12 (Magwe) .	
6	. . . . .	. . . . .	. . . . .	On furlough for one year, from 29th June 1894.
7	. . . . .	. . . . .	. . . . .	Medical leave for 6 months, from 20th April 1894, Extension for 6 months and 15 days.
8	670 0 0	{ (c) Charge, R100. (e) Upper Burma, R100.	In charge, No. 24 (Upper Burma).	
9	670 0 0	. . . . .	No. 25 (Tidal and Levelling).	
10	670 0 0	(c) Charge, R100 .	In charge, No. 10 (Bombay).	
1	670 0 0	(e) Upper Burma, R100.	Attached to the Mekong Commission.	Officiating Assistant Superintendent, 1st grade.
2	600 0 0	. . . . .	In charge, N.-W. P. and Oudh Detachment.	{ Ditto ditto ditto. Joined the Junior Division, 6th October 1860.
3	670 0 0	(e) Upper Burma, R100.	No. 24 (Upper Burma) . . . .	Officiating Assistant Superintendent, 1st grade.
4	600 0 0	. . . . .	Nos. 4 and 5 (Bihar). . . .	Ditto ditto ditto.
5	500 0 0	(g) Tempy. R75.	Drawing Office, Simla . . . .	Joined the Junior Division, 1st August 1860.
6	570 0 0	(f) Baluchistan, R100.	Attached to the Waziristan Delimitation Commission.	
7	570 0 0	(f) Baluchistan, R100.	Attached to the Khaibar-Asmar Delimitation Commission.	Temporary.
8	. . . . .	. . . . .	. . . . .	
9	. . . . .	. . . . .	. . . . .	
10	. . . . .	. . . . .	. . . . .	

(e) Department of Agriculture and Commerce, memorandum No. 791, dated 31st October 1873.  
(e) Department of Finance and Commerce, No. 759, dated 11th February 1869.  
(f) Department of Finance and Commerce, No. 5826 dated 25th October 1888.  
(g) 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 1895.	
JUNIOR DIVISION.									
Extra Assistant Superintendents.									
1st GRADE.									
Salary R650.									
3	1	H. E. T. Keelan . . . .	G. T. S.	. . . .	1 5 43	Aug. 17, 1858	Oct. 29, 1883	31 1 2	
1	2	A. J. Wilson . . . .	Topogl.	LS.	1 9 42	Oct. 1, 1860	June 2, 1884	32 0 9	
Sup.	3	S. M. Smylie . . . .	Rev.	LS.	25 11 40	July 24, 1860	June 27, 1886	33 0 2	
	4	W. A. Wilson . . . .	Rev.	LS.	3 6 43	Jan. 1, 1861	Dec. 18, 1893	30 7 12	
5	2ND GRADE.								
	Salary R500.								
	1	A. J. Gibson . . . .	Rev.	. . . .	1 12 41	May 1, 1861	May 23, 1893	33 7 27	
	2	W. S. Buttress . . . .	Rev.	. . . .	19 2 44	Oct. 1, 1860	May 23, 1893	34 4 0	
	3	A. G. Wyatt . . . .	Topogl.	. . . .	25 2 45	Nov. 1, 1861	May 23, 1893	29 10 6	
	4	H. W. Pechers . . . .	G. T. S.	. . . .	13 12 42	Apr. 8, 1862	Nov. 25, 1893	32 0 18	
	5	G. P. Belcham . . . .	G. T. S.	HS.	14 2 45	Nov. 1, 1862	Dec. 18, 1893	32 2 0	
7	3RD GRADE.								
	Salary R450.								
	1	H. Dowman . . . .	Rev.	. . . .	11 6 46	Oct. 16, 1862	May 23, 1893	32 2 1	
	2	E. G. Little . . . .	Rev.	ES. Burmese.	11 10 45	Nov. 5, 1862	May 23, 1893	29 2 19	
	3	H. T. Hanby . . . .	Rev.	LS.	20 10 45	Nov. 13, 1862	May 23, 1893	32 1 18	
	...	L. J. Pocock . . . .	G. T. S.	HS.	26 9 43	July 10, 1863	May 23, 1893	31 0 7	
	4	A. D. L. Christie . . . .	G. T. S.	HS. LS. Marathi.	29 9 45	Aug. 7, 1863	May 23, 1893	28 9 4	
	5	N. C. Gwynne . . . .	G. T. S.	. . . .	5 3 43	Oct. 19, 1863	May 23, 1893	31 2 12	
	6	W. J. O'Sullivan . . . .	G. T. S.	. . . .	14 2 44	Oct. 1, 1863	Nov. 25, 1893	30 10 17	
	7	W. C. Price . . . .	G. T. S.	. . . .	23 6 46	Nov. 1, 1863	Dec. 18, 1893	28 6 8	

## of India Department, as it stood on 1st January 1895.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
1	550 0 0	(a) Charge, R50 . . .	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 6th 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	(d) Upper Burma, R80.	No. 21 (Upper Burma) . . .	Apprentice Draftsman from 1st January 1860. Furlough in India for 6 months, from 30th October 1891. Recalled to duty, 18th February 1892.
3	. . . .	. . . .	. . . .	Exclusive of furlough in India for 4 months and 4 days from 8th November 1882 to 11th March 1883. On furlough for 1 year 7 months and 24 days, from 1st April 1894.
4	550 0 0	(c) Burma, R50 . . .	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 1866.
2	500 0 0	(d) Upper Burma, R80.	No. 12 (Magwe) . . .	Copyist from 1st to 30th September 1860.
3	500 0 0	. . . .	No. 10 (Bombay) . . .	Inclusive of furlough out of India, from 11th November 1893 to 6th November 1894.
4	500 0 0	(e) Dehra, R50 . . .	Computing, Dehra Dun.	
5	500 0 0	(f) Deputation, R50 . . .	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 1865, and 6 days in December 1866.
2	450 0 0	(d) Upper Burma, R80	No. 12 (Magwe) . . .	Apprentice from 1st January 1860. Exclusive of 5 years 10 months and 10 days' service under 20 years of age.
	450 0 0	. . . .	Nos. 4 and 5 (Bihar).	
...	600 0 0	. . . .	Chief Draftsman, Head-Quarters, Calcutta.	Exclusive of 89 days' sick leave.
	450 0 0	. . . .	Computing, Dehra Dun . . .	Exclusive of furlough in India from 16th November 1886 to 15th May 1887.
5	450 0 0	. . . .	No. 14 (Central Provinces) . . .	
6	450 0 0	. . . .	N.-W. P. and Oudh Detachment.	
7	450 0 0	(c) Burma, R50 . . .	No. 7 (Amherst).	

(b) Secretary of State's despatch No. 121, dated 27th May 1885.

(c) Department of Finance and Commerce, No. 5828, dated 25th October 1889.

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

(e) Financial Resolution No. 3096, dated 22nd December 1864, and No. 2579, dated 30th November 1871.

(f) 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 1895.
								Y. M. D.
<b>JUNIOR DIVISION</b>								
—contd.								
<b>Extra Assistant Superintendents—contd.</b>								
4TH GRADE.								
Salary ₹400.								
10	1	C. H. McA'Fee . . . .	G. T. S.	LS.	14 11 49	Sep. 6, 1864	May 23, 1893	25 0 17
	2	C. F. Hamer . . . .	Topogl.	. . . .	6 10 46	Aug. 3, 1863	May 23, 1893	28 4 24
	...	J. H. O'Donel . . . .	Rev.	. . . .	10 7 45	Oct. 1, 1863	May 23, 1893	29 5 20
	3	T. E. M. Claudius . . . .	Topogl.	. . . .	1 6 46	Aug. 1, 1863	May 23, 1893	28 7 0
	...	W. Statesbury . . . .	Topogl.	{ HS., LS., Canna- rese. }	26 7 47	Oct. 4, 1864	May 23, 1893	27 5 6
	4	T. H. Rendell . . . .	G. T. S.	. . . .	23 7 44	Oct. 11, 1864	May 23, 1893	30 1 29
	5	R. B. Smart . . . .	Rev.	LS.	28 6 47	Jan. 1, 1865	May 23, 1893	27 6 2
	6	A. J. James . . . .	Topogl.	LS.	19 11 46	June 15, 1864	May 23, 1893	28 1 12
	7	Hugh Todd . . . .	G. T. S.	. . . .	16 8 47	July 15, 1865	May 23, 1893	27 3 16
	8	E. J. Connor . . . .	G. T. S.	LS.	18 8 48	Mar. 1, 1865	May 23, 1893	25 10 10
	9	J. Connor . . . .	Rev.	. . . .	27 8 47	Feb. 15, 1865	Dec. 18, 1893	27 3 24
	...	T. H. Dunne . . . .	Rev.	LS.	25 12 49	Feb. 15, 1865	July 6, 1894	24 11 28
	10	J. Bond . . . .	G. T. S.	. . . .	6 1 50	Oct. 18, 1866	July 6, 1894	24 11 5
15								
5TH GRADE.								
Salary ₹350.								
	1	C. D. Potter . . . .	G. T. S.	LS.	19 8 45	Oct. 29, 1866	May 23, 1893	28 1 0
	2	C. E. Tapsell . . . .	Topogl.	LS.	14 11 44	Aug. 2, 1864	May 23, 1893	30 1 17
	3	J. A. Barker . . . .	Topogl.	. . . .	13 4 46	Sep. 18, 1865	May 23, 1893	28 8 10
	4	E. A. Wainright . . . .	Topogl.	. . . .	8 6 48	May 1, 1866	May 23, 1893	26 6 23
	5	E. C. D. Ewing . . . .	Rev.	HS.	10 6 48	June 9, 1866	May 23, 1893	25 5 25
	6	W. J. Cornelius . . . .	Topogl.	LS.	31 3 49	Aug. 15, 1866	May 23, 1893	25 9 1
	7	G. W. Jarbo . . . .	Rev.	LS.	15 9 47	Nov. 1, 1866	May 23, 1893	27 3 0
	8	P. J. W. Doran . . . .	Topogl.	LS.	5 5 49	Feb. 1, 1867	May 23, 1893	25 7 27

## India Department, as it stood on 1st January 1895—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
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 1892.
2	400 0 0	. . . .	No. 19 (Madras).	
...	. . . .	. . . .	On deputation, Assam.	
3	400 0 0	(c) Baluchistan, ₹80 .	No. 15 (Baluchistan).	
...	450 0	. . . .	Head Draftsman, Head-Quarters, Calcutta.	
4	400 0 0	(g) Simla, ₹25 . .	Drawing Office, Simla.	
5	400 0 0	. . . .	Nos. 4 and 5 (Bihar) . .	Apprentice from 1st January 1864.
6	400 0 0	(d) Upper Burma, ₹80	No. 21 (Upper Burma).	
7	400 0 0	. . . .	No. 19 (Madras) . . . .	Exclusive of 30 days' sick leave from 2nd November 1868.
8	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 1876.
9	400 0	(d) Upper Burma, ₹80.	No. 3 (Upper Burma).	
...	. . . .	. . . .	On deputation, Central Provinces.	Absent without leave 1 day, and sick leave 10 days in October 1865.
10	400 0 0	. . . .	No. 25 (Tidal and Levelling) .	Exclusive of 20 days' sick leave in February 1876.
15				
1	350 0 0	(a) Charge, ₹100 .	In charge No. 18 (Himalaya) .	Exclusive of 33 days' sick leave. Obtained a Civil Engineer's certificate at the Madras C. E. College in 1866.
2	50 0 0	. . . .	No. 17 (Bombay Forests).	
3	350 0 0	(b) Presidency, ₹30 .	Head-Quarters, Calcutta . .	Exclusive of sick leave from 16th to 26th May 1893.
4	350 0 0	(c) Baluchistan, ₹80 .	No. 15 (Baluchistan).	
5	350 0 0	(a) Charge, ₹50 .	In charge, Orissa Detachment .	Furlough from 17th September 1865 to 11th September 1867.
6	350 0 0	(g) Simla, ₹25 . .	Drawing Office, Simla.	
7	350 0 0	(c) Burma, ₹50 . .	No. 7 (Amherst) . . . .	Apprentice Draftsman from 6th April 1866.
8	350 0 0	(d) Upper Burma, ₹80 .	No. 11 (Upper Burma) . . .	Sick leave for 15 days, from 26th May to 9th June 1869.

(a) Secretary of State's Despatch No. 121, dated 27th May 1865.

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

(c) Financial Resolution No. 5826, dated 25th October 1898.

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

(g) Revenue and Agricultural Department, No. 1339, dated 1st November 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 1896.
		<b>JUNIOR DIVISION</b>						
		—contd.						
		<b>Extra Assistant Superintendents—contd.</b>						
		<b>5TH GRADE—concl'd.</b>						
		Salary R350—concl'd.						
		9 J. R. Scott . . . . .	Rev.	LS.	5 3 49	Jan. 19, 1867	May 23, 1893	23 9 27
		10 J. McHatton . . . . .	Rev.	LS.	15 6 54	July 1, 1867	May 23, 1893	24 5 14
		11 J. Hickle . . . . .	G. T. S.	LS.	13 1 49	Apl. 29, 1868	May 23, 1893	25 5 18
		... G. D. Cusson . . . . .	G. T. S.	LS.	23 9 46	May 8, 1868	July 6, 1893	26 7 23
		12 G. C. Swiney . . . . .	Rev.	. . . . .	27 6 49	Sep. 17, 1868	Dec. 18, 1893	25 6 4
		13 J. S. Swiney . . . . .	Rev.	. . . . .	19 12 50	Jan. 5, 1869	Dec. 18, 1893	24 0 12
		... C. P. Torrens . . . . .	G. T. S.	. . . . .	19 6 51	Dec. 12, 1868	July 6, 1894	23 0 10
		14 W. Robert . . . . .	Topogl.	. . . . .	27 2 51	Aug. 21, 1869	July 6, 1894	23 10 2
		15 C. W. Wilson . . . . .	Rev.	LS.	9 11 45	June 21, 1867A	Aug. 7, 1894	27 0 1
		<b>6TH GRADE.</b>						
		Salary R300.						
		1 T. Shaw . . . . .	Rev.	LS.	15 11 52	Apl. 21, 1869	May 23, 1893	22 1 15
		2 G. E. Parker . . . . .	Rev.	. . . . .	18 2 50	Nov. 18, 1870	May 23, 1893	24 1 13
		3 G. Campbell . . . . .	Rev.	. . . . .	13 7 48	Mar. 1, 1871	May 23, 1893	24 11 9
		4 W. C. G. Barkley . . . . .	Topogl.	. . . . .	22 10 51	Dec. 1, 1871	May 23, 1893	22 6 28
		5 G. T. Hall . . . . .	G. T. S.	LS.	3 12 51	Nov. 22, 1872	May 23, 1893	22 1 9
		6 G. G. Vander-Beek . . . . .	Topogl.	LS.	16 9 49	July 1, 1872	May 23, 1893	24 2 21
		7 R. Todd . . . . .	Topogl.	. . . . .	12 7 45	Nov. 1, 1863	May 23, 1893	29 5 20
		8 C. W. F. Seyers . . . . .	Rev.	. . . . .	1 7 46	Dec. 1, 1864	May 23, 1893	29 9 0
		9 W. M. Penrose . . . . .	Rev.	LS.	6 10 51	Aug. 11, 1869	May 23, 1893	22 7 17
		10 J. Murphy . . . . .	Rev.	. . . . .	12 7 52	Nov. 1, 1871	May 23, 1893	22 5 19
		11 A. W. Smart . . . . .	Rev.	. . . . .	27 2 51	Dec. 1, 1871	May 23, 1893	22 10 0
		12 W. M. Kelly . . . . .	Rev.	LS.	6 8 54	Oct. 1, 1872	May 23, 1893	20 4 25
		... E. P. S. Hill* . . . . .	Rev.	HS; LS. Persian.	11 7 55	Nov. 16, 1872	May 23, 1893	19 5 15
		13 R. R. Dickinson . . . . .	Rev.	LS.	25 7 52	Apl. 16, 1873	May 23, 1893	22 9 0

(A) Commencement of second service.

(B) Date of re-appointment.

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

## India Department, as it stood on 1st January 1895—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a p.			
9	350 0 0	. . . . .	On deputation, Central Provinces.	
10	350 0 0	(h) Settlement, R50 . . . . .	Nos. 2 and 8 (Bengal) . . . . .	Furlough for 1 year, from 1st January 1870.
11	350 0 0	(d) Upper Burma, R80 . . . . .	No. 24 (Upper Burma) . . . . .	Exclusive of 6 months' sick leave from 1st March 1873.
...	400 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	Inclusive of furlough out of India for 964 days from 1st November 1870.
12	350 0 0	(d) Upper Burma, R80 . . . . .	No. 3 (Upper Burma).	
13	350 0 0	(d) Upper Burma, R80 . . . . .	No. 12 (Magwe).	
...	. . . . .	. . . . .	On deputation, Burma . . . . .	Exclusive of 2 days, overstayed privilege leave.
14	350 0 0	. . . . .	No. 18 (Himalaya).	
15	350 0 0	(d) Upper Burma, R80 . . . . .	No. 3 (Upper Burma) . . . . .	Sick leave for 3 months, from 1st March 1869, 2 months from 1st August 1869, and from 22nd April to 31st May 1892.
1	300 0 0	{ (h) Settlement, R50 } { (b) Presidency, R30 }	Bengal Drawing Office.	
2	300 0 0	. . . . .	N. W. P. and Oudh Detachment	Passed the Poona C. E. Examination in 1864.
3	300 0 0	(b) Presidency, R30 . . . . .	Head Quarters, Calcutta . . . . .	Office Assistant from 1st January 1864. Furlough for 1 year from 22nd September 1891. Medical leave from 16th March to 15th September 1891.
4	300 0 0	(b) Presidency, R30 . . . . .	Head-Quarters, Calcutta . . . . .	Inclusive of special leave to Europe on full pay for one year 10 months and 28 days from 7th April 1876. Suspended from office from 16th to 18th May 1893.
5	300 0 0	(h) Settlement, R50 . . . . .	Nos. 2 and 8 (Bengal).	
6	300 0 0	. . . . .	Nos. 2 and 8 (Bengal) . . . . .	Apprentice Draftsman from 11th October 1870.
7	300 0 0	. . . . .	No. 19 (Madras) . . . . .	Under suspension from 11th May to 6th June 1868.
8	300 0 0	(c) Burma, R50 . . . . .	No. 7 (Amherst) . . . . .	Apprentice Draftsman from 1st September 1864.
9	300 0 0	(e) Assam, R50 . . . . .	No. 6 (Assam) . . . . .	Medical leave for 3 months from 16th May 1890; extension for 1 month to 15th September 1890.
10	300 0 0	(c) Burma, R50 . . . . .	No. 7 (Amherst) . . . . .	Medical leave from 22nd October to 28th November 1883, and from 3rd August 1886 to 2nd February 1887, excluded.
11	300 0 0	(h) Settlement, R50 . . . . .	Nos. 4 and 5 (Bihar) . . . . .	Office Assistant from 22nd November 1868.
12	300 0 0	(d) Upper Burma, R80 . . . . .	No. 11 (Upper Burma) . . . . .	Sick leave for three months from 6th July 1880.
...	. . . . .	. . . . .	On deputation, Central Provinces.	Inclusive of service in the Forest Department from 1st November 1877 to 30th September 1878.
13	300 0 0	. . . . .	No. 10 (Bombay) . . . . .	Apprentice from 1st April 1873.

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

(c) Financial Resolution No. 5326, dated 25th October 1893.

(d) Department of Finance and Commerce No. 756, dated 11th February 1899.

(h) Secretary of State's Despatch No. 75 (Revenue), dated 16th August 1899.

## 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 1895.
								Y. M. D.
<b>JUNIOR DIVISION</b> —contd.								
<b>Extra Assistant Superintendents—</b> concl'd.								
<b>6TH GRADE—concl'd.</b> Salary R300—concl'd.								
14		G. A. Knight . . . . .	Topogl.	. . . . .	22 4 54	Aug. 11, 1873	May 23, 1893	20 6 11
15		W. A. Fielding . . . . .	. . . . .	LS.	17 5 48	May 1, 1868 Oct. 1, 1887A	May 23, 1893	26 7 14
16		P. A. Peters . . . . .	Rev.	LS.	24 12 54	Nov. 1, 1873	May 23, 1893	19 11 8
17		T. S. Marten . . . . .	Forest Surv.	. . . . .	23 2 46	Oct. 6, 1888	May 23, 1893	20 9 18
18		P. F. Prunty . . . . .	G. T. S.	. . . . .	24 12 54	May 9, 1874	Nov. 15, 1893	20 0 7
19		P. White . . . . .	Topogl.	LS.	10 10 50	Oct. 1, 1872	Nov. 25, 1893	18 4 6
20		J. Keating . . . . .	G. T. S.	. . . . .	4 5 54	June 1, 1874	July 6, 1894	20 7 0
21		S. F. Norman . . . . .	G. T. S.	. . . . .	8 8 54	Sep. 1, 1874	Aug. 7, 1894	20 4 0
<b>Sub-Assistant Superintendents.</b>								
<b>1ST GRADE.</b> Salary R200 rising to R250.								
1		S. O. Madras . . . . .	Rev.	. . . . .	15 9 50	July 6, 1868	Aug. 7, 1894B	24 0 25
2		C. Norman . . . . .	G. T. S.	LS.	18 6 56	Oct. 12, 1874	Apl. 1, 1887	18 7 12
3		C. S. Kraal . . . . .	Rev.	LS.	25 10 53	July 24, 1874	Aug. 1, 1886	20 4 21
4		D. Campbell . . . . .	Topogl.	LS.	18 11 52	Nov. 1, 1874	Apl. 1, 1887	22 1 13
5		L. F. Berkeley . . . . .	Rev.	LS.	28 8 54	Aug. 16, 1875	Nov. 24, 1887	19 4 16
6		J. Marten . . . . .	Forest Surv.	. . . . .	27 9 51	Oct. 6, 1888	Oct. 6, 1888	19 2 10
7		G. P. Tate . . . . .	†	LS. & HS. Baluchi.	22 7 56	Mar. 12, 1878	Aug. 29, 1888	18 5 9
8		J. M. Kennedy . . . . .	G. T. S.	. . . . .	2 11 56	Aug. 19, 1875	Nov. 1, 1888	18 1 28
9		P. C. H. Smart . . . . .	†	. . . . .	16 9 55	Apl. 18, 1878	Nov. 24, 1888	16 3 6
10		B. F. Warwick . . . . .	G. T. S.	LS.	25 3 55	July 2, 1875	May 9, 1889	16 8 2
11		A. George . . . . .	†	LS.	14 1 55	Oct. 15, 1878	May 13, 1889	16 2 17
12		W. H. D. Ewing . . . . .	†	LS.	23 8 57	Apl. 15, 1878	May 16, 1889	16 6 15
13		C. George . . . . .	†	LS.	7 12 52	Sep. 5, 1878	Feb. 1, 1890	20 4 14

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

(A) Date of re-appointment.

(B) Date of reduction.

## India Department, as it stood on 1st January 1895—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
14	300 0 0	. . . . .	No. 10 (Bombay)	Medical leave from 12th May to 7th July 1892.
15	300 0 0	. . . . .	No. 18 (Himalaya)	Inclusive of services in the Bombay Secretariat from 1st April 1886 to 30th September 1887.
16	300 0 0	(b) Presidency, R30	Bengal Drawing Office	Inclusive of service in the Straits Settlements from 29th October 1885 to 31st December 1893.
17	300 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 14th March 1874.
18	300 0 0	. . . . .	No. 24 (Upper Burma).	
19	300 0 0	(c) 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 5th November 1883. Furlough for one year and six months from 24th March 1892.
20	300 0 0	. . . . .	No. 14 (Central Provinces).	
21	300 0 0	. . . . .	No. 17 (Bombay Forests).	
2	250 0 0	(b) Presidency, R20	Head-Quarters, Calcutta	Under suspension from 15th May to 6th August 1894.
3	250 0 0	(b) Bombay, R15	No. 17 (Bombay Forests).	
4	250 0 0	(h) Settlement, R50	Nos. 4 and 5 (Bihar)	Sick leave from 6th to 22nd February 1879.
5	250 0 0	. . . . .	No. 14 (Central Provinces)	Joined as a Sub-Surveyor on 3rd July 1872.
6	250 0 0	(h) Settlement, R5	Nos. 2 and 8 (Bengal).	
7	250 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 22nd October 1875.
8	250 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Apprentice from 1st March 1874.
9	250 0 0	. . . . .	On deputation, Siam.	
10	250 0 0	. . . . .	Nos. 2 and 8 (Bengal)	Sick leave from 8th April to 14th September 1883.
11	240 0 0	(c) 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 1882. Furlough for 1 year from 28th May 1892.
12	240 0 0	(d) Upper Burma, R80	No. 12 (Magwe)	Exclusive of previous service as Sub-Surveyor.
13	250 0 0	(b) Presidency, R20	Head-Quarters, Calcutta	Exclusive of 2 months and 1 day's suspension from 28th May to 1st July 1886, and sick leave from 2nd to 28th July 1880.
13	250 0 0	. . . . .	No. 9 (Central Provinces)	Previous service as Sub-Surveyor from 16th August 1874.

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

(c) Financial Resolution No. 5828, dated 25th October 1888.

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

(h) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 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 1895.
<b>JUNIOR DIVISION</b>								
<i>—contd.</i>								
<b>Sub-Assistant Superintendents—contd.</b>								
1ST GRADE—concl'd.								
Salary R200 rising to R250—concl'd.								
14		R. Waller-Senior . . . . .	†	LS.	13 11 60	Dec. 21, 1878	May 5, 1890	13 8 19
...		J. A. Higgs . . . . .	†	LS.	18 4 59	Sep. 12, 1881	Nov. 10, 1890	15 0 0
5		O. D. Smart . . . . .	†	. . . . .	16 9 57	Oct. 1, 1881	Mar. 1, 1891	13 3 0
16		A. Ewing . . . . .	†	. . . . .	1 1 62	Nov. 16, 1881	Apl. 1, 1891	13 0 0
17		M. Gastaud . . . . .	†	. . . . .	8 3 62	May 1, 1882	Apl. 25, 1891	12 10 0
...		P. Beechey . . . . .	†	LS. & HS. Burmese.	18 7 61	Dec. 1, 1882	May 13, 1891	12 1 0
18		E. F. Berkeley . . . . .	†	LS.	21 10 64	Sep. 1, 1883	Jan. 5, 1892	10 2 10
19		J. P. Barker . . . . .	†	. . . . .	21 8 65	Dec. 23, 1883	Nov. 1, 1893	9 4 10
...		N. Bedford . . . . .	†	. . . . .	16 7 61	Jan. 10, 1884	Nov. 15, 1893	10 11 22
20		T. J. J. Mills . . . . .	†	. . . . .	31 12 63	Mar. 14, 1884	Nov. 25, 1893	10 9 18
21		B. R. Hughes . . . . .	†	LS. & LS. Burmese.	13 6 66	Oct. 15, 1883	July 6, 1894	8 6 18
22		Vacant . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
2ND GRADE.								
Salary R150 rising to R200.								
1		P. J. Serrao . . . . .	†	LS. Burmese.	3 7 61	Apl. 24, 1884	May 23, 1893	10 8 7
2		W. E. Johnson . . . . .	†	ES. Burmese.	14 9 61	Aug. 18, 1884	May 23, 1893	10 4 14
3		T. W. Babonau (Jr.) . . . . .	†	LS. & ES. Burmese.	10 7 66	Jan. 15, 1884	May 23, 1893	7 4 18
...		W. Skilling . . . . .	†	LS.	26 4 67	Nov. 24, 1884	May 23, 1893	7 8 6
4		A. B. Smart . . . . .	†	. . . . .	27 9 65	Feb. 25, 1885	May 23, 1893	9 3 4
5		J. Smith . . . . .	†	. . . . .	14 9 63	Aug. 1, 1884	Aug. 29, 1888	9 9 14
6		C. G. Lee . . . . .	†	. . . . .	23 8 66	Mar. 1, 1886	May 13, 1889	8 4 8
7		F. S. Bell . . . . .	†	. . . . .	28 9 64	Sep. 24, 1886	May 16, 1889	8 3 7
8		F. E. Warde . . . . .	†	. . . . .	7 9 51	Nov. 13, 1884A	Oct. 1, 1889	9 4 8
9		F. P. Walsh . . . . .	†	. . . . .	20 11 66	Mar. 4, 1886	Feb. 1, 1890	8 1 10
10		F. B. Powell . . . . .	†	ES. LS. Burmese.	11 8 64	Sep. 23, 1886	May 5, 1890	8 3 8

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

## India Department, as it stood on 1st January 1895—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
14	240 0 0	. . . . .	No. 18 (Himalaya) . . . . .	Exclusive of medical leave from 8th May to 8th 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 1889.
15	230 0 0	(d) Upper Burma, R80	No. 3 (Upper Burma).	Previous temporary service in the Cadastral Establishment from 1st December 1879 to 30th September 1881.
16	230	(c) Burma, R50 . . . . .	No. 20 (Burma).	
17	220 0 0	(c) Burma, R50 . . . . .	No. 7 (Amherst) . . . . .	Apprentice Draftsman from 3rd January 1882.
...	. . . . .	. . . . .	On deputation, Burma.	
18	220 0 0	. . . . .	Orissa Detachment . . . . .	Office Assistant from 1st May 1881.
19	220 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
...	. . . . .	. . . . .	On deputation, N.-W. Provinces.	
20	220 0 0	(b) Presidency R20 . . . . .	Head-Quarters, Calcutta.	
21	220 0 0	. . . . .	On deputation, Forest Dept.	
22	. . . . .	. . . . .	. . . . .	
1	200 0 0	{ (j) Personal R20 (d) Upper Burma, R80	No. 3 (Upper Burma).	
2	200 0 0	{ (j) Personal R20 (d) Upper Burma, R80	No. 12 (Magwe).	
3	200 0 0	{ (j) Personal R20 (b) Presidency, R20.	Head-Quarters, Calcutta . . . . .	Extraordinary leave from 9th April to 21st November 1890. Leave to Europe on private affairs from 30th June to 20th December 1892.
...	. . . . .	. . . . .	On deputation, N.-W. Provinces	
4	200 0 0	(j) Personal R10	Nos. 4 and 5 (Bihar).	
5	. . . . .	. . . . .	. . . . .	On furlough for 1 year, from 15th May 1894.
6	200 0 0	. . . . .	Nos. 4 & 5 (Bihar) . . . . .	Previous temporary service in the Cadastral Establishment from 1st December 1883 to 28th February 1886.
7	200 0 0	(d) Assam, R50 . . . . .	No. 6 (Assam).	
8	160 0 0	(g) Simla, R16 . . . . .	Drawing Office, Simla . . . . .	Exceeded joining time by 8 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., 6 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; without pay for 4 days from 30th July to 2nd August 1894.
9	192 0 0	(d) Upper Burma, R80	No. 3 (Upper Burma).	
10	192 0 0	(c) Burma, R50 . . . . .	No. 7 (Amherst).	

(b) Financial Resolution No. 704, dated 22nd February 1886.  
(c) Financial Resolution No. 582E, dated 25th October 1888.  
(d) Department of Finance and Commerce, No. 766, dated 11th February 1886.  
(g) Revenue and Agricultural Department, No. 1339 dated 1st November 1890.  
(j) Secretary of State's Despatch No. 37 (Revenue), dated 4th May 1893.

## 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 1895.
<b>JUNIOR DIVISION</b> —contd.								
<b>Sub-Asst. Supdts.—</b> contd.								
<b>2ND GRADE—concl'd.</b> Salary R160 rising to R200— concl'd.								
11		Yusaf Sharif, Khan Bahadur	†	LS. ES.	18 12 46	Dec. 1, 1886	Nov. 10, 1890	27 6 15
12		H. A. ChARRIER . . . . .	†	Burmese.	22 10 64	Apl. 21, 1884	Mar. 1, 1891	9 6 26
13		Rai Hira Singh, Bahadur . . . . .	†	. . . . .	1 9 51	Mar. 12, 1887	Apl. 1, 1891	23 1 0
...		J. A. T. Haddock . . . . .	†	LS. ES.	16 10 63	Nov. 26, 1887	Apl. 25, 1891	7 1 5
14		J. H. Murphy . . . . .	†	Burmese.	26 7 69	Nov. 1, 1887	May 13, 1891	4 5 6
15		W. J. Baker . . . . .	†	ES. Burmese	18 8 66	Jan. 25, 1888	Jan. 5, 1892	6 11 7
...		C. G. S. Wood . . . . .	†	LS.	1 7 68	Aug. 2, 1884	Mar. 17, 1892	6 6 0
16		C. S. Gasper . . . . .	†	. . . . .	11 8 68	Mar. 2, 1888	Apl. 1, 1892	6 4 21
17		C. H. G. Johnson . . . . .	†	. . . . .	14 6 69	Nov. 13, 1888	May 8, 1892	5 6 17
18		H. G. Shaw . . . . .	†	. . . . .	21 2 62	Jan. 1, 1889	Aug. 13, 1893	12 0 0
19		Sarat Chunder Sen . . . . .	†	. . . . .	Nov. 1865	Aug. 26, 1889	Nov. 1, 1893	5 2 24
20		W. F. E. Adams . . . . .	†	. . . . .	12 6 68	Aug. 26, 1889	Nov. 15, 1893	5 4 8
21		J. H. Nichol . . . . .	Forest Surv.	. . . . .	9 4 67	Dec. 12, 1889	Nov. 25, 1893	6 0 16
22		G. Rae . . . . .	†	. . . . .	23 11 70	Nov. 19, 1890	Apl. 1, 1894	4 1 8
23		Imam Sharif, Khan Bahadur . . . . .	†	. . . . .	7 4 49	May 6, 1891	July 6, 1894	23 0 0
24		Vacant . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
26		<b>3RD GRADE.</b> Salary R120 rising to R180.						
1		C. Litchfield . . . . .	Forest Surv.	. . . . .	24 1 66	Jan. 10, 1892	May 23, 1893	6 1 17
...		H. W. Biggie . . . . .	†	ES. Burmese	9 12 71	Nov. 21, 1891	. . . . .	3 0 23
2		Aulad Hussein . . . . .	†	. . . . .	0 12 68	Nov. 13, 1891	. . . . .	3 1 18
3		Rahmatulla . . . . .	†	. . . . .	28 9 66	Nov. 13, 1891	. . . . .	8 3 4
4		J. O. Greiff . . . . .	†	LS.	2 7 72	Nov. 13, 1891	. . . . .	2 6 0
5		Nilmoni Chatterjee . . . . .	†	. . . . .	17 11 70	Nov. 23, 1891	. . . . .	2 11 7
6		H. B. Powell . . . . .	†	ES. and L.S.	2 6 70	Nov. 22, 1891	. . . . .	3 1 9
7		J. A. Freeman . . . . .	†	. . . . .	24 7 70	Nov. 23, 1891	. . . . .	3 1 8
8		O. C. Ollenbach . . . . .	†	L.S. Burmese	3 4 67	Nov. 23, 1891	. . . . .	3 1 9
9		M. F. Berkeley . . . . .	†	. . . . .	2 9 67	Nov. 17, 1891	. . . . .	3 0 28
10		H. H. B. Hanby . . . . .	†	. . . . .	21 6 72	Nov. 25, 1891	. . . . .	2 6 10
11		P. K. Vaughan . . . . .	†	. . . . .	14 2 70	Nov. 23, 1891	. . . . .	3 1 8
12		W. Newland . . . . .	†	. . . . .	28 4 76	Sept. 11, 1893	. . . . .	. . . . .
13		W. M. Gorman . . . . .	†	. . . . .	28 7 73	Sept. 19, 1893	. . . . .	1 3 12
14		P. Williams . . . . .	†	. . . . .	18 3 71	Sept. 16, 1893	. . . . .	1 3 15

† Joined the Department after the amalgamation on 1st January 1876.

## India Department, as it stood on 1st January 1895—concluded.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
11	192 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 16th June 1887.
12	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.
13	184 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 1889.
...	. . . . .	. . . . .	On deputation, Burma.	
14	184 0 0	(c) Burma, R50	No. 7 (Amherst)	Medical leave for 1 month, from 18th Apl. 1890.
15	176 0 0	(d) Upper Burma, R80	No. 3 (Upper Burma)	
...	. . . . .	. . . . .	On deputation, Burma.	
16	176 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
17	176 0 0	. . . . .	No. 9 (Central Provinces).	
18	176 0 0	(d) Upper Burma, R80.	No. 11 (Upper Burma)	Includes previous service in the Meteorological Department from 1st January 1883.
19	176 0 0	(b) Presidency, R20.	Bengal Drawing Office.	Medical leave for 2 months, from 19th November 1894.
20	176 0 0	(d) Upper Burma, R80.	No. 21 (Upper Burma).	
21	168 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 16th December 1889.
22	176 0 0	. . . . .	N.-W. P. and Oudh Detachment	
23	168 0 0	(c) Baluchistan, R80	On deputation . . . . .	Joined as Sub-Surveyor, 1st September 1871.
24	. . . . .	. . . . .	. . . . .	
1	160 0 0	(j) Personal R8	On deputation, Forest Department.	Includes previous service in Forest Department from 14th November 1886.
...	. . . . .	. . . . .	On deputation, Burma.	
2	144 0 0	. . . . .	No. 22 (Astro.).	
3	136 0 0	. . . . .	No. 14 (Central Provinces)	Joined as Computer, 19th August 1886.
4	136 0 0	. . . . .	No. 14 (Central Provinces).	
5	136 0 0	. . . . .	Orissa Detachment . . . . .	Extraordinary leave from 1st June to 2nd August 1892.
6	144 0 0	(d) Upper Burma, R80	No. 3 (Upper Burma).	Previous temporary service in cadastral Establishment, from 1st January 1890 to 21st November 1891.
7	144 0 0	. . . . .	No. 10 (Bombay).	
8	144 0 0	(d) Upper Burma, R80.	No. 3 (Upper Burma).	
9	136 0 0	(c) Burma, R50	No. 7 (Amherst)	Medical leave from 24th September to 9th October 1893.
10	144 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
11	136 0 0	. . . . .	Nos. 2 and 8 (Bengal).	
12	128 0 0	(d) Upper Burma, R80	No. 3 (Upper Burma).	
13	128 0 0	. . . . .	No. 18 (Himalaya).	
14	120 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan).	

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

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

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

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

## 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 1895.
		<b>JUNIOR DIVISION</b> —concl'd.						Y. M. D.
		<b>Sub-Asst. Supdts.—</b> concl'd.						
		<b>3RD GRADE—concl'd.</b> Salary R120 rising to R160 —concl'd.						
15		Amar Singh . . . . .	†	. . . . .	1 1 63	Sept. 18, 1893	. . . . .	1 8 5
16		J. H. S. Wilson . . . . .	†	. . . . .	10 1 71	Sept. 4, 1893	. . . . .	1 3 27
17		Vacant . . . . .		. . . . .				
18		Ditto . . . . .		. . . . .				
19		Ditto . . . . .		. . . . .				
20		Ditto . . . . .		. . . . .				
21		Ditto . . . . .		. . . . .				
22		Ditto . . . . .		. . . . .				
23		Ditto . . . . .		. . . . .				
24		Ditto . . . . .		. . . . .				
25		Ditto . . . . .		. . . . .				
26		Ditto . . . . .		. . . . .				

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

## India Department, as it stood on 1st January 1895—concluded.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
15	128 0 0	(c) Burma, R50 . . .	No. 7 (Amherst) . . . .	Includes previous service in the Meteorological Department from 8th April 1885. Leave without allowance from 28th November to 16th December 1885.
16	128 0 0	. . . . .	No. 10 (Madras).	
17	. . . . .	. . . . .	. . . . .	
18	. . . . .	. . . . .	. . . . .	
19	. . . . .	. . . . .	. . . . .	
20	. . . . .	. . . . .	. . . . .	
21	. . . . .	. . . . .	. . . . .	
22	. . . . .	. . . . .	. . . . .	
23	. . . . .	. . . . .	. . . . .	
24	. . . . .	. . . . .	. . . . .	
25	. . . . .	. . . . .	. . . . .	
26	. . . . .	. . . . .	. . . . .	

(c) Financial Resolution No. 5820, dated 25th October 1888.

## Names of Administrative and Technical Offices of the Survey of India Department, as they stood on 1st January 1895.

NAME OF OFFICERS 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 Bongal Surveys' . . . . .	Ditto . . . . .	D. B. .
<i>Technical.</i>		
Drawing . . . . .	Mapping and Compling . . . . .	} A. S. G., D. O.
Engraving . . . . .	Map engraving by hand . . . . .	
Lithographic . . . . .	Mapping, Litho. and Type Printing . . . . .	} A. S. G., Photo-Litho.
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>		
Superintendent's . . . . .	Accounts, Correspondence . . . . .	Supdt., Trig. Surveys.
<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 Compling . . . . .	Asst. Supdt.

**Names of Field Parties of the Survey of India Department, as they stood on 1st January 1895.**

No. of Party.	Locale of Operations.	Nature of Current Operations.	Administrative Officer.
No. 2 & 8 .	Bengal . . . . .	Cadastral . . . . .	Director, Bengal Surveys.
„ 3 .	Upper Burma . . . . .	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 .	Central Provinces . . . . .	Forests . . . . .	Supdt., Trig. Surveys.
„ 15 .	Baluchistan . . . . .	Topographical . . . . .	D. S. G., Topo.
„ 17 .	Bombay . . . . .	Forests . . . . .	Ditto.
„ 18 .	Himalaya . . . . .	Topographical and Forests . . . . .	Supdt., Trig. Surveys.
„ 19 .	Madras . . . . .	Forests . . . . .	D. S. G., Topo.
„ 20 .	Burma . . . . .	Ditto . . . . .	D. S. G., Rev.
„ 21 .	Upper Burma . . . . .	Topographical . . . . .	D. S. G., Topo.
„ 22 .	Asia and Europe . . . . .	Longitude Observations . . . . .	Supdt., Trig. Surveys.
„ 23 .	Ditto ditto . . . . .	Ditto . . . . .	Ditto.
„ 24 .	Upper Burma . . . . .	Triangulation . . . . .	Ditto.
„ 25 .	India . . . . .	Tide-Registering and Levelling . . . . .	S. G.
Detacht.	N.-W. P. and Oudh . . . . .	Traverse . . . . .	D. S. G., Rev.
„	Indus River . . . . .	Riverain . . . . .	do.
„	Orissa . . . . .	Cadastral . . . . .	Director, Bengal Surveys.
„	Bengal . . . . .	Ditto . . . . .	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 1895.

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, K.C.I.E., 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). No. 15 Party (Baluchistan). No. 17 Party (Bombay Forests). No. 19 Party (Madras). No. 21 Party (Upper Burma). No. 25 Party (Tidal and Levelling). Simla Drawing Office.
(Calcutta.)							
Deputy Surveyor-General, in charge Revenue Branch.	Colonel Strahan, R.E.	. . . . .	. . . . .	. . . . .	. . . . .	Apl. 2, 91	Superintendence of— No. 3 Party (Upper Burma). No. 6 Party (Assam). No. 7 Party (Amherst). No. 9 Party (C. P.). No. 10 Party (Bombay). No. 12 Party (Magwe). No. 20 Party (Burma). N.-W. P. and Oudh Detachment. Indus River Detachment.
(Calcutta.)							
Director of Bengal Surveys.	Colonel J. E. Sandeman, I.S.C.	. . . . .	. . . . .	Supdt.	1st . . . . .	Apl. 1, 92	Superintendence of— Nos. 2 & 8 Party (Bengal). Nos. 4 & 5 Party (Bihar). Orissa Detachment. Bengal Detachments.
		Capt. J. M. Fleming, I.S.C.	. . . . .	D. Sup.	2nd . . . . .	Oct. 1, 93	In charge Director's and Drawing Offices.
			T. Shaw . . . . .	E. A. Sup.	6th . . . . .	Ditto . . . . .	Ditto.
			P. A. Peters . . . . .	E. A. Sup.	6th . . . . .	Jan. 16, 94	Ditto.
			Sarat Ch. Sen . . . . .	S. A. S.	2nd . . . . .	Sep. 1, 91	Ditto.
(Calcutta.)							

*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 1895—continued.*

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Superintendent, Trigonometrical Surveys.  (Dehra).	Major St. G. C. Gore, B.E.	. . .	. . . . .	D. Sup.	1st	May 1, 94	Superintendence of Offices at Dehra and of— No. 14 Party (Central Provinces). No. 18 Party (Himalaya). No. 22 Party (Astro. I). No. 23 Party (Astro. II). No. 24 Party (Upper Burma).
		J. Eccles, M.A.	. . . . .	D. Sup.	2nd	Apr. 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.C.	. . .	. . . . .	Sup.	1st	Oct. 10, 90	
			L. J. Pocock .	E. A. Sup.	3rd	July 30, 92	
			W. Stotesbury .	E. A. Sup.	4th	July 6, 94	
			J. A. Barker .	E. A. Sup.	5th	June 5, 93	
			G. D. Cusson .	E. A. Sup.	5th	Nov. 1, 93	
			G. Campbell .	E. A. Sup.	6th	Nov. 1, 94	
			W. C. G. Barekley.	E. A. Sup.	6th	Oct. 19, 93	
			S. O. Madras .	S. A. S.	1st	Aug. 7, 94	
			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. 1, 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 1895—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.)	Col. M. W. Rogers, B.E.	. . .	. . . . .	Sup.	2nd	May 7, 89	
Assistant Surveyor-General, Photographic and Lithographic Offices.  (Calcutta.)	Col. J. Waterhouse, I.S.O.	. . .	. . . . .	Sup.	2nd	Dec. 1, 66	
Charge of Map, Record and Issue Office.  (Calcutta.)	T. Archdale Pope	. . .	. . . . .	D. Sup.	2nd	Apl. 1, 94	
Charge of Simla Drawing Office.  (Simla.)	G.W. E. Atkinson.	. . .	. . . . .	A. Sup.	2nd	Nov. 8, 92	
			T. H. Rendell . .	E. A. Sup.	4th	Jan. 24, 94	
			W. J. Cornelius .	E. A. Sup.	5th	Feb. 1, 90	
			F. E. Warde . .	S. 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 1895.

NAMES.	Date of birth.	Designation.	Pay of Post. R u. p.	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, 1894	
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 . .	400-20-300	Oct. 14, 1874	Feb. 1, 1894 <sup>(a)</sup>	Present pay R260. (a) Date of reduction.
C. O. Gray . . .	17 2 61	Ditto . .	250 0	Feb. 5, 1879	July 1, 1894	
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.
Kali Pudo Banerjee . .	27 10 39	Do. . .	125 0 0	Jan. 1, 1859	Sep. 1, 1885	Extension of service to 26th October 1895.
Banee Madhub Banerjee	Apl. 1844	Do. . .	125 0 0	Mar. 20, 1868	Aug. 1, 1886	
Chuni Lal Dey . . .	10 5 56	Do. . .	125 0 0	May 17, 1878	Sep. 1, 1894	
Doorga Narain Ghose, B.A.	30 11 46	Do. . .	100 0 0	Apl. 5, 1869	Mar. 1, 1886	
Ram Kristo Chuuder . .	30 9 39	Do. . .	100 0 0	Feb. 1, 1889	May 25, 1888	Extension of service to 29th September 1895.
Rajkrishna Mukerjee . .	11 8 49	Do. . .	100 0 0	Aug. 11, 1873	Sep. 1, 1894	
<b>Drawing Office.</b>						
L. J. Pocock . . .	26 9 43	Chief Draftsman	600 0 0	July 10, 1863	Apl. 1, 189	
W. Stotesbury . . .	26 7 47	Head ditto	450 0 0	Oct. 4, 1864	July 6, 1894	
J. A. Higgs . . .	18 4 59	Draftsman . .	325 0 0	Mar. 4, 1878	Nov. 1, 1893	
<b>EUROPEAN DRAFTSMEN.</b>						
W. Green . . .	10 9 39	Draftsman . .	300 0 0	Jan. 1, 1862	Jan. 1, 1890	Extension of service to 9th September 1895.
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	Mar. 23, 1866	Sep. 1, 1874	

*List of Technical and Ministerial Officers of the Survey of India Department drawing ₹100 and above, as it stood on 1st January 1895—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>—contd.</i>						
<b>Drawing Office</b>						
<i>—contd.</i>						
<b>EUROPEAN DRAFTSMEN—</b>						
<i>contd.</i>						
A. Descubes . . . . .	17 7 54	Draftsman . . . . .	175 0 0	Jan. 18, 1887	Dec. 5, 1889	On deputation, Forest Department.
R. 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 1895. Inclusive of ₹5, personal allowance.
Muttulla . . . . .	17 8 42	Ditto . . . . .	100 0 0	Dec. 29, 1862	July 1, 1890	
Furna Chunder Sen . . . . .	15 1 54	Ditto . . . . .	100 0 0	July 10, 1877	Mar. 9, 1893	
<b>Additional Establishment, Drawing Office.</b>						
G. D. Casson . . . . .	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 ₹50.
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 ₹25.
A. R. Coard . . . . .	3 10 61	6th ditto . . . . .	350 0 0	Mar. 15, 1878	Ditto . . . . .	Ditto ₹25.
E. C. Ollenbach . . . . .	24 1 61	7th ditto . . . . .	300 0	Aug. 1, 1879	Ditto . . . . .	Ditto ₹25. Medical leave from 9th November to 15th Dec. 1893. Short-drawn ₹25.
E. Earle . . . . .	21 3 64	8th ditto . . . . .	250 0 0	May 1, 1880	Ditto . . . . .	
L. H. Musgrove . . . . .	7 4 64	9th ditto . . . . .	200 0 0	July 1, 1882	Ditto . . . . .	Ditto ₹25.
F. B. C. Scallan . . . . .	4 7 70	10th ditto . . . . .	150 0 0	Aug. 11, 1884	Ditto . . . . .	Ditto ₹25.
A. T. Vieux . . . . .	20 5 71	11th ditto . . . . .	100 0 0	Aug. 11, 1884	Mar. 5, 1894	
W. T. Collins . . . . .	31 10 58	Copper-plate Printer.	150 0 0	Jan. 6, 80	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	Aug. 1, 1869	Aug. 1, 1883	

*List of Technical and Ministerial Officers of the Survey of India Department drawing R100 and above, as it stood on 1st January 1895—continued.*

NAMES.	Date of birth.	Designation.	Pay of Post. R a. p.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
<b>HEAD-QUARTERS OFFICES, CALCUTTA</b> —contd.						
<b>Photographic and Lithographic Office.</b>						
<i>NORMAL ESTABLISHMENT.</i>						
<i>Lithographic Drawing Section.</i>						
H. L. Lepage . . .	16 5 43	Head Assistant	400-30-550	July 15, 1871	Sept. 1, 1894	Present pay R52½.
E. Dowling . . .	18 3 68	Head Draftsman.	100-10-200	Aug. 1, 1884	Apl. 1, 1894	Ditto R110.
Ambica Churn Mukerjee	1 1 54	Draftsman .	120 0 0	July 10, 1878	Apl. 1, 1894	Short-drawn R10.
Sobhan Bux . . .	Mar. 1836	Examiner .	100 0 0	Aug. 5, 1854	May 1, 1888	Ditto R10. Extension of service up to 30th March 1895.
<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	Apl. 1, 1894	Present pay R315. Furlough for one year, from 17th April 1894. Present Pay R85.
S. U. Ravenscroft . . .	21 2 69	Asst. ditto .	75-10-125	Aug. 1, 1884	Mar. 8, 1893	
F. Michael . . .	31 8 70	Machine Printer.	75-10-125	Sep. 1, 1884	Apl. 1, 1894	Ditto R95.
J. B. Mackenzie . . .	16 4 65	Asst. Zinco-grapher.	75-10-125	Oct. 1, 1880	Mar. 8, 1893	Ditto R105
<i>Type Printing Section.</i>						
E. D'Pyvah . . .	15 3 50	Head Printer .	150 0 0	Aug. 1, 1868	Apl. 1, 1894	
<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 1895. Present pay R105.
C. J. Meade . . .	28 4 68	Asst. ditto .	75-15-150	Aug. 1, 1884	Apl. 1, 1894	
C. Andrews . . .	27 3 66	Ditto .	50-10-100	Nov. 1, 1892	Ditto	Ditto R60.
<i>Heliogravure Section.</i>						
A. W. Turner . . .	19 10 53	Photo. Engraver.	300-20-400	May 1, 1885	May 1, 1890	
J. T. Meade . . .	29 12 69	Asst. ditto .	100-10-200	Aug. 1, 1884	Apl. 1, 1894	Ditto R110.
<i>Correspondence, Stores, and Account Section.</i>						
W. Moore . . .	4 11 58	Store-keeper .	100-20-200	Sep. 15, 1883	Feb. 1, 1890	
Kanny Lall 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 1895—continued.*

NAMES.	Date of birth.	Designation.	Pay of post. R a. p.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
<b>HEAD-QUARTERS OFFICES, CALCUTTA</b> —concl.						
<b>Photographic and Lithographic Office</b> —concl.						
<b>CADASTRAL ESTABLISHMENT.</b>						
<i>Photographic Section.</i>						
H. Haward . . .	10 2 50	Head Photo. Aest.	400-20-500	Nov. 16, 1883	Nov. 16, 1892	On furlough for 1 year, from 25th February 1894.
R. George . . .	5 5 46	Photographer .	145-15-330	Feb. 1, 1876	Mar. 8, 1893	
L. Laguier . . .	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	Apl. 1, 1894	Present pay ₹160.
<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, 1894	Inclusive of house-rent. Present pay ₹200.
G. A. LeFranc . . .	27 4 67	Aest. ditto .	75-10-125	Aug. 1, 1884	Apl. 1, 189	Ditto ₹95.
<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, 1879	
T. R. Theakston . . .	26 12 68	Assistant Mathematical Instrument-maker.	350-30-500	Oct. 10, 1892	Nov. 1, 1894	Present pay ₹390.
<b>CORRESPONDENCE SECTION.</b>						
W. Campagnac . . .	21 9 58	Head Clerk .	150-10-200	Apl. 1, 1882	Jan. 1, 1895	Present pay ₹160.
W. R. Tulloch . . .	1 10 69	2nd ditto .	75-5-100	Apl. 1, 1888	Jan. 1, 1895	Ditto ₹90.
<b>STORE SECTION.</b>						
M. C. Belletty . . .	15 4 53	Store-keeper .	150 0 0	Apl. 15, 1878	Jan. 1, 1895	

*List of Technical and Ministerial Officers of the Survey of India Department drawing ₹100 and above, as it stood on 1st January 1895—concluded.*

NAMES.	Date of birth.	Designation.	Pay of Post.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
<b>TRIGONOMETRICAL BRANCH OFFICE, DEHRA DUN.</b>						
<i>Computing Section.</i>						
Amba Prasad . . .	3 7 45	Computer .	150 0 0	July 26, 1865	Aug. 1, 1894	Short-drawn R15.
Shoshi Bhooshun Shome	13 7 49	Ditto .	130 0 0	Apl. 15, 1872	Sep. 1, 1892	
Shiv Nath Saha . . .	30 9 50	Ditto .	130 0 0	Nov. 26, 1873	Sep. 1, 1892	
Umbica Churn Shome .	1 7 43	Ditto .	105 0 0	Feb. 8, 1867 <sup>(a)</sup>	Sep. 1, 1888	<sup>(a)</sup> 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.	175 0 0	July 16, 1889	Aug. 1, 1894	Short-drawn R20.
Mizaji Lal . . .	31 1 50	Accountant .	140 0 0	Feb. 14, 1872	Aug. 1, 1894	Do, R5.
<i>Printing Section.</i>						
B. V. Hughes . . .	11 4 40	Printer . . .	250 0 0	Nov. 1, 1880 <sup>(b)</sup>	July 1, 1886	<sup>(b)</sup> 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 R210. 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	Medical leave from 1st November 1893 to 31st January 1894 and from 2nd February to 15th August 1894.
<b>DRAWING OFFICE, SIMLA.</b>						
H. Slendon . . .	3 12 48	Draftsman .	125 0 0	Jan. 1, 1865	Oct. 1, 1891	
Jafr Khan . . .	1 3 50	Ditto .	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	Bengal (Cadastral).	D.B.S.	Capt. G. B. Hodgson, I.S.O.	D. Sup.	1st	Oct. 1, 94
			J. McHatton	E. A. Sup.	5th	Nov. 1, 94
			G. T. Hall	E. A. Sup.	6th	Oct. 1, 93
			G. G. Vander-Beek	E. A. Sup.	6th	Oct. 1, 93
			L. F. Berkeley	S. A. S.	1st	Oct. 1, 94
			P. C. H. Smart	S. A. S.	1st	Nov. 1, 94
			P. K. Vaughan	S. A. S.	3rd	Oct. 1, 94
Recess quarters, Mussoorie.			Permanent Establishment			
			Temporary ditto			
3	Upper Burma (Cadastral).	D.S.G. Rev.	G. H. Cooke	Offg. Sup.	2nd	Dec. 14, 94
			J. Connor	E. A. Sup.	4th	Feb. 1, 90
			G. C. Swiney	E. A. Sup.	5th	Jan. 1, 95
			C. W. Wilson	E. A. Sup.	5th	Dec. 1, 88
			O. D. Smart	S. A. S.	1st	Feb. 20, 88
			P. J. Serrao	S. A. S.	2nd	Nov. 1, 80
			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, 81
			O. C. Ollenbach	S. A. S.	3rd	Oct. 1, 82
			W. Newland	S. A. S.	3rd	Sep. 11, 83
Recess quarters, Mandalay			Permanent Establishment			
			Temporary ditto			

Department attached to Field Parties, 1st January 1895.

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.		
19	9	21	. . .	17	1,13,520	
233	36	909	. . .	4		
18	14	235	2	8	2,71,740	
85	59	417	. . .	30		

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.	Lieut. R. T. Crichton, r.s.o.	Offg. D. S.	2nd	Oct. 1, 94
			Lieut. C. W. H. Symonds, r.s.o.	Offg. A. S.	1st	Oct. 1, 94
			H. T. Hanby	E. A. Sup.	3rd	May 1, 70
			E. B. Smart	E. A. Sup.	4th	Oct. 1, 94
			A. W. Smart	E. A. Sup.	6th	Oct. 1, 94
			C. S. Kraal	S. A. S.	1st	Oct. 1, 93
			J. P. Barker	S. A. S.	1st	Oct. 1, 4
			A. B. Smart	S. A. S.	2nd	Oct. 1, 94
			C. G. Lee	S. A. S.	2nd	Oct. 1, 93
			C. S. Gasper	S. A. S.	2nd	Oct. 1, 94
			H. H. B. Hanby	S. A. S.	3rd	Oct. 1, 93
	Recess quarters, Mussoorie		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
			F. S. Bell	S. A. S.	2nd	Nov. 1, 94
	Recess quarters, Shillong		Permanent Establishment			
			Temporary ditto			
7	Amherst (Cadastral.)	D. S. G. Rev.	C. Wood	Offg. D. S.	2nd	Dec. 1, 90
			W. C. Price	E. A. Sup.	3rd	Dec. 1, 92
			G. W. Jarbo	E. A. Sup.	5th	Nov. 1, 90
			C. W. F. Seyers	E. A. Sup.	6th	Apl. 17, 94
			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	Apl. 1, 90
			J. H. Murphy	S. A. S.	2nd	Apl. 23, 94
			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 1895—continued.

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.		
18	11	43	3	26	3,47,770	
1,145	49	1,417	. . .	3		
11	7	140	1	8	77,650	
120	40	260	. . .	. . .		
17	7	126	1	18	2,20,510	
118	53	670	. . .	. . .		

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 . . . . .	Offg. Sup.	2nd	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
Recess quarters, Kamptee.			Permanent Establishment . . . . .			
			Temporary ditto . . . . .			
10	Bombay (Topo.)	D. S. G. Rev.	Ct. H. A. D. Fraser, B.E. . . . .	A. Sup.	1st	Oct. 29, 91
			A. Gibson . . . . .	E. A. Sup.	2nd	Nov. 26, 93
			A. G. Wyatt . . . . .	E. A. Sup.	2nd	Oct. 25, 94
			R. R. Dickinson . . . . .	E. A. Sup.	6th	May 1, 86
			G. A. Knight . . . . .	E. A. Sup.	6th	Nov. 1, 92
			J. A. Freeman . . . . .	S. A. S.	3rd	Nov. 23, 91
Recess quarters, Poona						
11	Upper Burma (Topo.)	D. S. G. Topo.	Capt. T. F. B. Renny-Tailyour, B.E. . . . .	D. Sup.	2nd	Dec. 1, 94
			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.	B. G. Gilbert-Cooper . . . . .	A. Sup.	1st	Nov. 28, 94
			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
Recess quarters, Mandalay.			Permanent Establishment . . . . .			
			Temporary ditto . . . . .			

attached to Field Parties, 1st January 1895—continued.

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.		
13	17	27	2	16	79,640	
	24	139				
36		268		6	87,510	
10	1	128	1	6	98,010	
10	11	56	2	22	2,51,300	
162	35	520				



## 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	Central Provinces (Topo. Forests.)	Supdt. Trig.	Capt. W. J. Bythell, B.E. . . . .	D. Sup.	2nd	May 14, 94
			N. C. Gwynne . . . . .	E. A. Sup.	3rd	Apl. 1, 90
			J. Keating . . . . .	E. A. Sup.	6th	Oct. 1, 89
			D. Campbell . . . . .	S. A. S.	1st	Apl. 17, 88
			Bahmatulla . . . . .	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.	Col. T. H. Holdich, C.B., C.I.E., B.E. . . . .	Supdt.	1st	Oct. 16, 91
			Capt. R. J. H. L. Mackenzie, B.E. . . . .	D. Sup.	2nd	Oct. 1, 88
			Lt. W. M. Coldstream, B.E. (temporary)	A. Sup.	2nd	Nov. 25, 84
			T. E. M. Claudius . . . . .	E. A. Sup.	4th	Oct. 1, 83
			E. A. Wainright . . . . .	E. A. Sup.	5th	Oct. 1, 89
			G. P. Tate . . . . .	S. A. S.	1st	Nov. 1, 94
			Yusuf Sharif, Khan Bahadur . . . . .	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.	2nd	May 5, 98
P. Williams . . . . .	S. A. S.	3rd	Mar. 1, 94			
	Recess quarters, Quetta					
17	Bombay (Topo. Forests.)	D. S. G. Topo.	Major J. B. Hobday, I.S.C. . . . .	D. Sup.	1st	May 11, 84
			C. E. Tapsell . . . . .	E. A. Sup.	5th	Nov. 13, 83
			S. F. Norman . . . . .	E. A. Sup.	6th	Sep. 1, 74
			C. Norman . . . . .	S. A. S.	1st	Oct. 12, 74
	Recess quarters, Poona					

attached to Field Parties, 1st January 1895—continued.

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.		
44	7	533	1	12	96,080	
17	1	124	1	7	1,36,200	
43	1	31	. . .	8	77,750	

## 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.)	Supdt. Trig.	C. D. Potter . . . . .	E. A. Sup.	5th	Nov. 1, 87
			W. Robert . . . . .	E. A. Sup.	5th	Sep. 1, 78
			W. A. Fielding . . . . .	E. A. Sup.	6th	Oct. 1, 87
			B. Waller—Senior . . . . .	S. A. S.	1st	Oct. 1, 89
			W. M. Gorman . . . . .	S. A. S.	3rd	Sep. 19, 83
	Recess quarters, Simla					
19	Madras . . . . . (Topo. Forests.)	D. S. G. Topo.	Capt. H. M. Jackson, R.E. . . . .	D. Sup.	1st	Mar. 13, 94
			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, 83
	Recess quarters, Bangalore.					
	Burma . . . . . (Topo. Forests.)	D. S. G. Rev.	Capt. P. J. Gordon, I.S.O. . . . .	A. Sup.	1st	Nov. 1, 94
			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	Apl. 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
			A. J. Wilson . . . . .	E. A. Sup.	1st	Nov. 1, 94
			A. J. James . . . . .	E. A. Sup.	4th	Nov. 1, 93
			W. F. E. Adams . . . . .	S. A. S.	2nd	Oct. 21, 91
	Recess quarters, Bangalore.					

attached to Field Parties, 1st January 1895—continued.

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.		
26	8	182	1	16	79,270	
32	2	281	1	21	78,670	
30	1	608	2	7	1,27,250	
10	3	102	1	6	91,860	

## 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	Asia and Europe (Astronomical.)	Supdt. Trig.	Capt. S. G. Burrard, R.N.	Offg. D. S.	1st	Nov. 2, 91
			Aulad Hussein	S. A. S.	3rd	Nov. 3, 91
	Recess quarters.					
23	Asia and Europe (Astronomical.)	Supdt. Trig.	Lt. G. P. Lenox-Conyngham, R.N.	D. Sup.	2nd	Oct. 1, 89
	Recess quarters.					
24	Upper Burma (Triangulation.)	Supdt. Trig.	Lt. J. M. Burn, R.N.	A. Sup.	1st	Oct. 12, 91
			Lt. A. J. Pilcher, R.N.	Offg. A. S.	1st	Oct. 19, 91
			J. Hickie	E. A. Sup.	5th	Oct. 1, 88
			P. F. Prunty	E. A. Sup.	6th	Sep. 15, 89
	Recess quarters, Mussoorie					
25	India (Tidal and Levelling.)	S. G.	Lt.-Col. J. Hill, R.N.	Supdt.	2nd	Nov 18, 90
			Lt. C. C. D. Morice, R.N.	A. Sup.	1st	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.	4th	June 1, 88
	Recess quarters, Poona					

attached to Field Parties, 1st January 1895—continued.

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.		
...	...	13	...	...	30,890	
...	1	12	...	...	29,530	
...	6	165	1	15	91,630	
5	14	10	...	5	76,110	

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.	N.-W.-P. and Oudh . . . . (Traverse.)	D. S. G. Rev.	J. S. Pemberton . . . . .	Offg. A. S.	1st	Nov. 1, 94
			W. J. O'Sullivan . . . . .	E. A. Sup.	3rd	Nov. 1, 94
			G. E. Parker . . . . .	E. A. Sup.	6th	Dec. 1, 94
			G. Rae . . . . .	S. A. S.	2nd	Dec. 1, 94
	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.	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 .
D tacht.	Bengal (Cadastral.) . . . . .	D. B. S.	Capt. J. M. Fleming, r.s.o. . . . .	D. Sup.	2nd	Oct. 1, 93
			T. Shaw . . . . .	E. A. Sup.	6th	Oct. 1, 93
	Recess quarters, Calcutta .					Permanent Establishment. Temporary ditto .

attached to Field Parties, 1st January 1895—concluded.

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.		
15	6	38	. . . .	6 .	} 47,190	
28	21	456	. . . .	. . . .		
11	1	26	. . . .	5	} 25,050	
. . . .	. . . .	68	. . . .	. . . .		
8	3	9	1	3	} 1,02,780	
8	34	223	. . . .	4		
. . . .	. . . .	. . . .	. . . .	. . . .	} 7,470	
23	. . . .	89	. . . .	2		

## Disposition List of Officers of the Survey of India Department temporarily transferred or on furlough, etc., 1st January 1895.

Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Govt. or Dept. to which transferred.	REMARKS.
<i>On Deputation.</i>					
W. H. Reynolds . . . . .		D. Sup.	1st	Forest Department.	
E. F. Litchfield . . . . .		A. Sup.	1st	Ditto.	
	J. H. O'Donel . . . . .	E. A. Sup.	4th	Assam.	
	T. H. Dunne . . . . .	E. A. Sup.	4th	Central Provinces.	
	J. R. Scott . . . . .	E. A. Sup.	5th	Ditto.	
	C. P. Torrens . . . . .	E. A. Sup.	5th	Burma.	
	E. P. S. Hill . . . . .	E. A. Sup.	6th	Central Provinces.	
	T. S. Marten . . . . .	E. A. Sup.	6th	Forest Department.	
	J. Marten . . . . .	S. A. S.	1st	Ditto.	
	J. M. Kennedy . . . . .	S. A. S.	1st	Siam.	
	P. Beechey . . . . .	S. A. S.	1st	Burma.	
	N. Bedford . . . . .	S. A. S.	1st	N.-W. Provinces.	
	B. E. Hughes . . . . .	S. A. S.	1st	Forest Department.	
	W. Skilling . . . . .	S. A. S.	2nd	N.-W. Provinces.	
	J. A. T. Haddock . . . . .	S. A. S.	2nd	Burma.	
	C. G. S. Wood . . . . .	S. A. S.	2nd	Ditto.	
	J. H. Nichol . . . . .	S. A. S.	2nd	Forest Department.	
	C. Litchfield . . . . .	S. A. S.	3rd	Ditto.	
	H. W. Biggie . . . . .	S. A. S.	3rd	Burma.	
<i>On Furlough, etc.</i>					
Col. J. B. McCullagh, r. v. . . . .		Sup.	2nd		For 1 year, 3 months and 18 days from 1st October 1893.
Col. J. R. Wilmer, r. s. c. . . . .		Sup.	2nd		For 1 year, 9 months and 17 days from 3rd April 1894.
C. F. Erskine . . . . .		A. Sup.	1st		For 1 year from 20th June 1894.
A. E. Spring . . . . .		A. Sup.	1st		For 6 months from 20th April 1894. Extension for 6 months and 15 days.
	S. M. Smylie . . . . .	E. A. Sup.	1st		For 1 year, 7 months and 24 days from 1st April 1894.
	J. Smith . . . . .	S. A. S.	2nd		For 1 year from 15th May 1894.

