

LIST OF OFFICERS  
IN  
THE SURVEY OF INDIA DEPARTMENT

CORRECTED TO

1st JULY 1893.



CALCUTTA :  
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING INDIA.  
1893.

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

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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 July 1893.
		<b>Administrative Staff.</b>						
								Y. M. D.
1	1	Col. H. R. Thuillier, C.I.E., R.E.	G. T. S.	PH.	26 3 38	May 21, 1859	Feb. 13, 1887	. . .
1	1	Lt.-Col. C. Strahan, R.E.	Topogl.	. . . .	6 5 43	Sep. 26, 1863	Apl. 2, 1891	. . .
1	1	Col. G. Strahan, R.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, R.E.	. . . .	. . . .	. . . .	. . . .	May 7, 1889	. . .
		Major R. A. Wahab, R.E.	. . . .	. . . .	. . . .	. . . .	Apl. 19, 1893	. . .
		<b>SENIOR DIVISION.</b>						
		<b>Superintendents.</b>						
		<b>1st Grade.</b>						
		<i>Salary R1,600.</i>						
3	1	Col. W. H. Wilkins, I.S.O.	Rev.	PH.	6 10 41	Apl. 27, 1863	Feb. 19, 1891	. . .
	2	Lt.-Col. J. E. Sandeman, I.S.O.	Rev.	PH.	2 9 43	Oct. 6, 1864	Mar. 31, 1891	. . .
	3	Bt.-Col. T. H. Holdich, R.E.	Topogl.	LS.	16 2 43	July 23, 1866	Apl. 2, 1891	. . .
		<b>2nd Grade.</b>						
		<i>Salary R1,500.</i>						
7	1	Col. J. Waterhouse, I.S.O.	Topogl.	PH.	24 7 42	July 23, 1866	Apl. 26, 1889	. . .
	2	Lt.-Col. M. W. Rogers, R.E.	G. T. S.	LS.	3 2 42	July 30, 1866	June 28, 1889	. . .
	3	Lt.-Col. J. Hill, R.E.	G. T. S.	...	24 12 40	Dec. 18, 1866	Oct. 1, 1890	. . .
	4	Lt.-Col. J. R. McCullagh, R.E.	G. T. S.	LS.	25 3 42	Feb. 12, 1869	Dec. 10, 1890	. . .
	5	Col. J. R. Wilmer I.S.O.	Topogl.	HS.	20 1 41	Aug. 24, 1869	Feb. 19, 1891	. . .
	6	Col. H. S. Hutchinson, I.S.O.	Rev.	PH.	25 4 40	Aug. 13, 1867	Apl. 2, 1891	. . .
	7	E. O. Barrett	Rev.	HS.	14 4 43	Dec. 30, 1868	Oct. 13, 1891	29 1 18

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

of India Department, as it stood on 1st July 1893.

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	. . . . .	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 Surveyor-General's and Mathematical Instrument 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-Gener	Special leave for 6 months from 19th April 1893.
	1,182 10 0	(a) Presidency, R60	Officiating Assistant Surveyor-General.	In charge Engraving and Drawing 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	. . . . .	. . . . .	. . . . .	Special leave for 6 months from 19th April 1893.
3	1,543 8 0	(c) Deputation, R100	In charge No. 25 (Tidal and Levelling).	
4	1,543 8 0	. . . . .	In charge No. 19 (Madras).	
5	1,300 0 0	. . . . .	In charge No. 14 (Nimar).	
6	1,300 0 0	. . . . .	In charge No. 17 (Bombay Forests).	
7	. . . . .	. . . . .	. . . . .	Joined the Junior Division, 18th November 1862. Furlough to Europe for 6 months from 3rd May 1893.

(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 1873.  
 (c) Ditto of Revenue and Agriculture No. 519-81-4, 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 July 1893.
		<b>SENIOR DIVISION</b> —contd.						Y. M. D.
		<b>Deputy Superintendents.</b>						
		<b>1ST GRADE.</b> Salary R1,000.						
9	1	Col. R. G. Woodthorpe, C.B., R.E.	Topogl.	LS.	23 9 44	July 14, 1871 June 5, 1892A	June 5, 1892	. . .
		G. H. Cooke . . . .	Rev.	LS.	29 10 44	Apl. 1, 1870	Aug. 12, 1889	25 0 13
		E. J. Jackson . . . .	Rev.	HS.	6 11 44	Nov. 5, 1868	Oct. 1, 1890	25 0 8
		Major St. G. C. Gore, R.E.	G. T. S.	. . . .	24 2 49	Apl. 11, 1873	Oct. 31, 1890	. . .
		Major J. R. Hobday, I.S.C.	Topogl.	HS; Collo- quial Bur- mese and LS Shan.	16 7 50	Sep. 11, 1874	Nov. 4, 1890	. . .
		Capt. F. B. Longe, R.E.	†	. . . .	31 10 56	Mar. 15, 1880	Dec. 10, 1890	. . .
		Major R. A. Wahab, R.E.	†	HS; HP. Urdu; HS Persian; LS Pushtu.	14 4 55	Jan. 8, 1883	Feb. 19, 1891	. . .
		W. H. Reynolds, F.R.G.S.	†	LS.	20 2 43	Oct. 24, 1890	Mar. 31, 1891	. . .
		W. H. Patterson . . . .	Rev.	I.S.	24 9 38	Jan. 22, 1883	Apl. 2, 1891	34 5 5
		Capt H. M. Jackson, R.E.	†	HS.	27 3 58	June 11, 1883	Oct. 13, 1891	. . .
8		<b>2ND GRADE.</b> Salary R850.						
		Capt. G. B. Hodgson, I.S.C.	†	HS.	28 10 58	Sep. 12, 1883	May 5, 1889	. . .
		Capt. S. G. Burrard, R.E.	†	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 July 1893—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	. . . . .	. . . . .	. . . . .	Furlough for 18 months from 22nd May 1892. Joined the Junior Division, 6th December 1886.
3	1,300 0 0	. . . . .	In charge No. 20 (Burma)	Officiating Superintendent, 2nd grade. Joined the Junior Division, 20th 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	. . . . .	. . . . .	Head-Quarters, Calcutta.	
8	1,000 0 0	Staff, R100 . . .	On deputation, Forest Department.	Service in Forest Department from 1st January 1871 to 23rd October 1890.
9	1,000 0 0	(a) Upper Burma, R150.	In charge No. 12 (Mibu)	Joined the Junior Division, 1st December 1861.
10	. . . . .	. . . . .	. . . . .	On military duty at Royal Engineering Establishment, Chatham.
1	1,000 0 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.

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 July 1893.
<b>SENIOR DIVISION</b> —concl'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 2 0
4		J. Eccles, M.A.	†	...	9 9 57	May 30, 1885	Dec. 10, 1890	8 1 1
5		Capt. J. M. Fleming, I.S.C.	†	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	6 9 0A
7		Capt. T. F. B. Renny-Tailleur, 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		Capt. C. F. Close, R.E.	†	...	10 8 65	Dec. 3, 1889	Oct. 1, 1890	...
4		C. Wood	G. T. S.	LS.	21 7 42	Dec. 3, 1889	Dec. 10, 1890	34 11 10
5		Lieut. R. T. Crichton, I.S.C.	†	HS.	8 3 65	Dec. 16, 1889	Feb. 19, 1891	...
6		E. F. Litchfield†	†	HS.	23 1 52	Oct. 24, 1890	Mar. 31, 1891	...
7		Capt. P. J. Gordon, I.S.C.	†	HS.	2 6 59	Nov. 10, 1890	Aug. 5, 1891	...
8		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 4 10B
9		A. E. Spring	†	HS. Marathi LS. {Sindhi}	4 1 55	Feb. 18, 1891	Oct. 12, 1892	2 4 11B
10		H. R. Littlewood	Rev.	LS. {Burmese}	5 11 43	May 13, 1891	May 23, 1893	32 8 26
<b>2ND GRADE.</b> Salary R600.								
1		Lieut. J. M. Burn, R.E.	†	LS.	18 12 66	May 17, 1891	...	...
2		„ C. C. D. Morice, R.E.	†	LS.	29 5 67	Nov. 11, 1891	...	...
3		„ H. A. D. Fraser, R.E.	†	...	19 6 67	Oct. 29, 1891	...	...
4		„ C. H. D. Ryder, R.E.	†	LS.	28 6 68	Nov. 29, 1891	...	...
5		J. S. Pemberton	Rev.	LS.	8 7 43	Apl. 1, 1892	...	32 8 21
6		Lieut. A. J. Pilcher, R.E.	†	HS.	27 8 66	July 16, 1892	...	...
7		Lieut. C. W. H. Symonds, I.S.C.	†	HS.	6 9 65	Sep. 28, 1892	...	...
8		G. W. E. Atkinson	G. T. S.	...	11 10 43	Nov. 8, 1892	...	33 8 20
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 1879.  
 ‡ 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 July 1893—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	1,000 0 0	(a) Upper Burma, R150.	In charge, No. 3 (Shwebo)	Officiating Deputy Superintendent, 1st grade. Joined the Junior Division, 1st May 1893.
4	850 0 0	...	In charge, Computing	
5	850 0 0	(b) Presidency, R60	In charge, No. 2 (Eastern 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	...	In charge, No. 9 (Central Provinces).	Officiating Deputy Superintendent, 2nd grade.
2	870 0 0	...	In charge, No 23 (Astronomical)	Ditto ditto ditto.
3	940 0 0	(a) Upper Burma, R100.	No. 21 party (Upper Burma.)	Ditto ditto ditto.
4	800 0 0	(c) Burma, R150	In charge, No. 7 (Amherst)	Ditto ditto ditto. Joined Junior Division, 6th May 1893.
...	...	...	...	Furlough to England for 6 months from 3rd May 1893.
7	600 0 0	Local, R50.	On deputation, Forest Department.	Service in Forest Department from 16th October 1876 to 23rd October 1890.
...	...	...	...	Furlough for one year from 5th November 1892.
8	...	...	...	Medical leave for 15 months from 18th May 1892.
...	...	...	On deputation, Berar.	
9	600 0 0	(a) Upper Burma, R100.	No 3 (Shwebo).	
10	600 0 0	(c) Burma, R100	No. 7 (Amherst)	Joined the Junior Division, 6th October 1860
1	670 0 0	(a) Upper Burma, R100. (d) Charge, R100.	In charge, No. 24 (Upper Burma)	Officiating Assistant Superintendent, 1st grade.
2	670 0 0	...	No. 25 party (Tidal and Lveling)	Ditto ditto ditto.
3	670 0 0	...	No. 10 (Bombay)	Ditto ditto ditto.
4	670 0 0	...	No. 18 (Himalaya)	Ditto ditto ditto.
5	600 0 0	...	Nos. 4 and 5 (Bihar)	Ditto ditto ditto.
6	570 0 0	...	Nos. 4 and 5 (Bihar).	Joined the Junior Division, 6th October 1860.
7	500 0 0	...	Nos. 4 and 5 (Bihar).	
8	600 0 0	...	Simla Drawing	Joined the Junior Division, 1st August 1878.
9	...	...	...	Officiating Assistant Superintendent, 1st grade.
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. 5426, dated 25th October 1894.  
 (d) Department of Agriculture and Commerce Memorandum No. 731, dated 31st October 1878.

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

No. sanctioned 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 July 1893.
							Y. M. D.
<b>JUNIOR DIVISION.</b>							
<b>Extra Assistant Superintendents.</b>							
<b>1ST GRADE.</b>							
<i>Salary R550.</i>							
1	H. E. T. Keelan . . . .	G. T. S.	. . . .	1 5 43	Aug. 17, 1858	Oct. 29, 1883	29 7 2
2	A. J. Wilson . . . .	Topogl.	LS.	1 9 42	Oct. 1, 1860	June 2, 1884	30 6 9
...	S. M. Smylie . . . .	Rev.	LS.	25 11 40	July 24, 1860	June 27, 1886	32 3 2
3	W. Todd . . . .	G. T. S.	. . . .	25 11 38	Jan. 11, 1856	Dec. 3, 1889	35 4 23
<b>2ND GRADE.</b>							
<i>Salary R500.</i>							
1	A. M. Lawson . . . .	Rev.	LS.	18 12 38	Nov. 18, 1862	May 23, 1893	30 7 13
2	W. A. Wilson . . . .	Rev.	LS.	3 6 43	Jan. 1, 1861	May 23, 1893	29 1 12
3	A. J. Gibson . . . .	Rev.	. . . .	1 12 41	May 1, 1861	May 23, 1893	32 1 27
4	W. S. Buttress . . . .	Rev.	. . . .	19 2 44	Oct. 1, 1860	May 23, 1893	32 10 0
5	A. G. Wyatt . . . .	Topogl.	. . . .	25 2 45	Nov. 1, 1861	May 23, 1893	28 4 6
<b>3RD GRADE.</b>							
<i>Salary R450.</i>							
1	H. W. Pechers . . . .	G. T. S.	. . . .	13 12 42	Apr. 8, 1862	May 23, 1893	30 6 18
2	G. P. Belcham . . . .	G. T. S.	HS.	14 2 45	Nov. 1, 1862	May 23, 1893	30 8 0
3	H. Dowman . . . .	Rev.	. . . .	11 6 46	Oct. 16, 1862	May 23, 1893	30 8 1
4	E. G. Little . . . .	Rev.	ES. Burmese.	11 10 45	Nov. 5, 1862	May 23, 1893	27 8 19
5	H. T. Hanby . . . .	Rev.	LS.	20 10 45	Nov. 13, 1862	May 23, 1893	30 7 18
...	L. J. Pocock . . . .	G. T. S.	HS.	26 9 43	July 10, 1863	May 23, 1893	29 6 7
6	A. D. L. Christie . . . .	G. T. S.	HS.LS. Marathi.	29 9 45	Aug. 7, 1863	May 23, 1893	27 3 4

## of India Department, as it stood on 1st July 1893.

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	550 0 0	(a) Charge, R50 . . . .	In charge Indus Riverain 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, R45.	Calcutta Detachment . . . .	Apprentice Draftsman from 1st January 1860. 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 8th November 1882 to 11th March 1893.
3	550 0 0	. . . .	No. 10 (Bombay) . . . .	Inclusive of 2 years, which count as service out of 4 years 28 days' leave on medical certificate under old rules.
1	500 0 0	. . . .	No. 17 (Bombay Forests).	
2	500 0 0	(c) Burma, R50 . . . .	No. 20 (Burma) . . . .	On furlough for 1 year from 24th March 1889 to 23rd March 1890.
3	500 0 0	(c) Assam, R50 . . . .	In temporary charge No. 6 (Assam).	Absent without leave for 3 days in January 1866.
4	500 0 0	(d) Charge R100. (e) Upper Burma, R80	No. 12 (Minbu) . . . .	Copist from 1st to 30th September 1860.
5	500 0 0	(b) Presidency house-rent, R45.	Head-Quarters, Calcutta . . . .	Inclusive of furlough out of India from 11th November 1883 to 6th November 1884.
1	450 0 0	(f) Dehra Office, R50 . . . .	Computing, Dehra Dun.	
2	450 0 0	(g) Deputation, R50 . . . .	No. 25 (Tidal and Levelling) . . . .	Service reckoned under old rules.
3	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.
4	450 0 0	(e) Upper Burma, R80	No. 12 (Minbu) . . . .	Apprentice from 1st January 1860. Exclusive of 5 years 10 months and 10 days' service under 20 years of age.
5	450 0 0	. . . .	Nos. 4 and 5 (Bihar.)	
...	450 0 0	. . . .	Head Draftsman, Head-Quarters, Calcutta.	Exclusive of 89 days' sick leave.
6	450 0 0	. . . .	Computing, Dehra Dun . . . .	Exclusive of furlough in India from 18th November 1886 to 15th May 1887.

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

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

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

(d) Revenue and Agricultural Department No. 249, dated 11th June 1885.

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

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

(g) Surveyor General's No. 963 S-B., dated 29th September 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 July 1893.
		<b>JUNIOR DIVISION</b>						
		—contd.						
		<b>Extra Assistant Superintendents—contd</b>						
		<b>3RD GRADE—concl'd.</b>						
		Salary R450—concl'd.						
	7	N. C. Gwynne . . . .	G. T. S.	. . . . .	5 3 43	Oct. 19, 1863	May 23, 1893	29 12
		<b>4TH GRADE.</b>						
		Salary R400.						
10	1	W. J. O'Sullivan . . . .	G. T. S.	. . . . .	14 2 44	Oct. 1, 1863	May 23, 1893	29 4 17
		W. C. Price . . . . .	G. T. S.	. . . . .	23 6 46	Nov. 1, 1863	May 23, 1893	27 0 8
	3	C. H. McA'Fee . . . . .	G. T. S.	LS.	14 11 49	Sep. 6, 1864	May 23, 1893	23 6 17
	4	C. F. Hamer . . . . .	Topogl.	. . . . .	6 10 46	Aug. 3, 1863	May 23, 1893	26 10 24
		J. H. O'Donel . . . . .	Rev.	. . . . .	10 7 45	Oct. 1, 1863	May 23, 1893	27 11 20
		T. E. M. Claudius . . . .	Topogl.	. . . . .	1 6 46	Aug. 1, 1863	May 23, 1893	27 1 0
	6	W. Stotesbury . . . . .	Topogl.	{ HS ; I.S. Cana- rese. }	26 7 47	Oct. 4, 1864	May 23, 1893	25 11 6
		T. H. Rendell . . . . .	G. T. S.	. . . . .	23 7 44	Oct. 11, 1864	May 23, 1893	28 8 21
	8	R. B. Smart . . . . .	Rev.	LS.	28 6 47	Jan. 1, 1865	May 23, 1893	26 0 2
	...	A. J. James . . . . .	Topogl.	LS.	19 11 46	June 15, 1864	May 23, 1893	26 7 12
	9	Hugh Todd . . . . .	G. T. S.	. . . . .	16 8 47	July 15, 1865	May 23, 1893	5 9 16
	10	E. J. Connor . . . . .	G. T. S.	LS.	18 8 48	Mar. 1, 1865	May 23, 1893	24 4 10
15		<b>5TH GRADE.</b>						
		Salary R350.						
	1	J. Connor . . . . .	Rev.	. . . . .	27 8 47	Feb. 15, 1865	May 23, 1893	25 9 24
	...	T. H. Dunne . . . . .	Rev.	LS.	25 5 49	Feb. 15, 1865	May 23, 1893	23 5 26
	2	J. Bond . . . . .	G. T. S.	. . . . .	6 1 50	Oct. 18, 1866	May 23, 1893	23 5 5
		C. D. Potter . . . . .	G. T. S.	LS.	19 8 45	Oct. 29, 1866	May 23, 1893	26 7 0
	4	C. Tapsell . . . . .	Topogl.	LS.	14 11 44	Aug. 2, 1864	May 23, 1893	28 7 17
	5	J. A. Barker . . . . .	Topogl.	. . . . .	13 4 46	Sep. 18, 1865	May 23, 1893	27 2 10

## India Department, as it stood on 1st July 1893—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.			
7	450 0 0	. . . . .	No. 14 (Nimar).	
1	400 0 0	(a) Charge R50 . . . .	No. 2 (Eastern Bengal).	
2	400 0 0	(b) Burma, R50 . . . .	No. 7 (Amherst).	
3	400 0 0	. . . . .	Drawing Office, Dchra Dun . . . .	Passed the Poona C. E. College Examination in 1864. Sick leave for 1 month from 30th December 1892.
4	400 0 0	. . . . .	No. 19 (Madras).	
...	. . . . .	. . . . .	On deputation, Assam.	
5	400 0 0	(b) Baluchistan, R80 . . . .	No. 15 (Baluchistan).	
6	400 0 0	. . . . .	No. 10 (Bombay).	
7	400 0 0	(c) Upper Burma, R80.	No. 24 (Upper Burma).	
8	400 0 0	. . . . .	Nos. 4 and 5 (Bihar) . . . .	Apprentice from 1st January 1864.
...	400 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	
9	400 0 0	. . . . .	No. 19 (Madras) . . . .	Exclusive of 30 days' sick leave.
10	400 0 0	. . . . .	No. 25 (Tidal and Levelling) . . . .	Exclusive of 6 months and 5 days' leave on private affairs under new rules.
1	350 0 0	(c) Upper Burma, R80.	No. 3 (Shwebo).	
...	. . . . .	. . . . .	On deputation, Central Provinces.	Absent without leave 1 day, and sick leave 10 days in October 1865.
2	350 0 0	(b) Burma, R50 or (c) Upper Burma, R80.	No. 25 (Tidal and Levelling) . . . .	Exclusive of 20 days' sick leave.
3	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 1866.
4	350 0 0	. . . . .	No. 10 (Bombay).	
5	350 0 0	(d) Presidency house- rent, R30.	Head-Quarters, Calcutta.	Exclusive of sick leave from 18th to 26th May 1863.

- (a) Secretary of State's Despatch No. 121, dated 7th May 1865.  
 (b) Financial Resolution No. 5826, dated 26th October 1868.  
 (c) Department of Finance and Commerce No. 766, dated 11th February 1869.  
 (d) Financial Resolution No. 704, dated 22nd February 1866.

## 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 July 1893.	Y. M. D.
<b>JUNIOR DIVISION</b>									
—contd.									
<b>Extra Assistant Superintendents—contd.</b>									
5TH GRADE—concl'd.									
Salary R350—concl'd.									
6		E. A. Wainright . . . . .	Topogl.	. . . . .	8 6 48	May 1, 1866	May 23, 1893	25 0 23	
7		R. C. D. Ewing . . . . .	Rev.	HS.	10 6 48	June 9, 1866	May 23, 1893	23 11 25	
8		W. J. Cornelius . . . . .	Topogl.	LS.	31 3 49	Aug. 15, 1866	May 23, 1893	24 3 1	
9		G. W. Jarbo . . . . .	Rev.	LS.	15 9 47	Nov. 1, 1866	May 23, 1893	25 9 0	
10		P. J. W. Doran . . . . .	Topogl.	LS.	5 5 49	Feb. 1, 1867	May 23, 1893	24 1 27	
11		J. R. Scott . . . . .	Rev.	LS.	5 3 49	Jan. 19, 1867	May 23, 1893	24 3 27	
12		J. McHatton . . . . .	Rev.	LS.	15 6 54	July 1, 1867	May 23, 1893	22 11 14	
13		H. T. Kitchen . . . . .	Topogl.	. . . . .	8 6 48	Nov. 1, 1867	May 23, 1893	24 0 23	
14		J. Hickie . . . . .	G. T. S.	LS.	13 1 49	Apl. 29, 1868	May 23, 1893	23 11 18	
15		S. O. Madras . . . . .	Rev.	. . . . .	15 9 50	July 6, 1868	May 23, 1893	22 10 16	
6TH GRADE.									
Salary R300.									
...		G. D. Cusson . . . . .	G. T. S.	LS.	23 9 46	May 8, 1868	May 23, 1893	25 1 23	
1		T. F. Freeman . . . . .	Rev.	LS.	3 3 51	Sep. 9, 1868	May 23, 1893	19 8 27	
...		G. O. Swiney . . . . .	Rev.	. . . . .	27 6 49	Sep. 17, 1868	May 23, 1893	24 0 4	
2		J. S. Swiney . . . . .	Rev.	. . . . .	19 12 50	Jan. 5, 1869	May 23, 1893	22 6 12	
...		C. P. Torrens . . . . .	G. T. S.	. . . . .	19 6 51	Dec. 12, 1868	May 23, 1893	21 6 10	
3		W. Robert . . . . .	Topogl.	. . . . .	27 2 51	Aug. 21, 1869	May 23, 1893	22 4 2	
4		T. Shaw . . . . .	Rev.	LS.	15 11 52	Apl. 21, 1869	May 23, 1893	20 7 15	
5		C. W. Wilson . . . . .	Rev.	LS.	9 11 45	June 21, 1867A	May 23, 1893	25 6 1	
...		G. E. Parker . . . . .	Rev.	. . . . .	18 2 50	Nov. 18, 1870	May 23, 1893	22 7 13	
6		G. Campbell . . . . .	Rev.	. . . . .	13 7 48	Mar. 1, 1871	May 23, 1893	23 5 9	
7		W. C. G. Barekley . . . . .	Topogl.	. . . . .	22 10 51	Dec. 1, 1871	May 23, 1893	21 1 0	
8		G. T. Hall . . . . .	G. T. S.	LS.	3 12 51	Nov. 22, 1872	May 23, 1893	20 7 9	
9		G. Vander-Beek . . . . .	Topogl.	LS.	16 9 49	July 1, 1872	May 23, 1893	22 8 21	
10		R. Todd . . . . .	Topogl.	. . . . .	12 7 45	Nov. 1, 1863	May 23, 1893	27 11 20	
11		C. W. F. Seyers . . . . .	Rev.	. . . . .	1 7 46	Dec. 1, 1864	May 28, 1893	28 3 0	
12		W. H. Penrose . . . . .	Rev.	LS.	6 10 51	Aug. 11, 1869	May 23, 1893	21 1 17	

(A) Commencement of second service.

## India Department, as it stood on 1st July 1893—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.			
6	350 0 0	(a) Baluchistan, R80 .	No. 15 (Baluchistan).	
7	350 0 0	(b) Charge, R100 .	In charge No. 8 (Orissa) . .	Furlough from 17th September 1885 to 11th September 1887.
8	350 0 0	(c) Simla allowance, R25	Drawing Office, Simla.	
9	350 0 0	(a) Burma, R75 . . . .	No. 7 (Amherst) . . . . .	Sick leave for 15 days from 26th May to 9th June 1869.
10	350 0 0	(d) Upper Burma, R80.	No. 11 (Upper Burma).	
11	. . . . .	. . . . .	On deputation, Central Provinces.	
12	350 0 0	(e) Settlement, R50 .	No. 2 (Eastern Bengal) . . .	Furlough for 1 year from 1st January to 31st December 1879.
13	350 0 0	(a) Baluchistan, R80 .	No. 15 (Baluchistan) . . . .	Furlough for 1 year from 25th June 1891.
14	350 0 0	(d) Upper Burma, R80.	No. 24 (Upper Burma) . . . .	Exclusive of 6 months' sick leave.
15	350 0 0	(e) Settlement, R50 .	No. 8 (Orissa).	
...	32 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	Inclusive of furlough out of India for 364 days from 1st November 1879 to 30th October 1880.
1	300 0 0	(f) Charge, R50 . . . . (g) Special, R50.	In charge, Garhwal Detachment	Sick leave for 2 years from 1st May 1880; extension for 9 months without pay up to 31st January 1883.
...	. . . . .	. . . . .	On deputation, Central Provinces.	
2	300 0 0	(d) Upper Burma, R80	No. 12 (Minbu).	
...	. . . . .	. . . . .	On deputation, Settlement Department, Burma.	Exclusive of 2 days, overstayed privilege leave.
3	300 0 0	. . . . .	No. 18 (Himalaya).	
4	30 0 0	{ (e) Settlement R50 . (b) Presidency house-rent, R30.	No. 2 (Eastern Bengal).	
5	300 0 0	(h) Presidency house-rent, R30.	Head-Quarters, Calcutta . . .	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.	
6	300 0 0	. . . . .	No. 2 (Eastern Bengal) . . . .	Office Assistant from 1st January 1864. Furlough for 1 year from 22nd September 1881 to 21st September 1882. Medical leave from 16th March to 15th September 1891.
7	300 0 0	(d) Upper Burma, R80	No. 21 (Upper Burma) . . . .	Inclusive of special leave to Europe on full pay for one year 10 months and 20 days from 7th April 1876 to 2nd March 1878.
8	300 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
9	300 0 0	. . . . .	Nos. 4 and 5 (Bihar) . . . .	Apprentice Draftsman from 11th October 1870.
10	300 0 0	. . . . .	No. 19 (Madras) . . . . .	Suspension from 11th May to 6th June 1883.
11	300 0 0	(b) Presidency house-rent, R20.	Head-Quarters, Calcutta . . .	Medical leave for 3 months from 16th May 1890; extension for 1 month to 15th September 1890.
12	300 0 0	(a) Assam, R40 . . . . .	No. 6 (Assam) . . . . .	Leave on medical certificate from 22nd October to 28th November 1883, and from 3rd August 1886 to 2nd February 1887, excluded.

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

(b) Revenue and Agricultural Department No.  $\frac{249}{55-38}$ , dated 11th June 1885.(c) Revenue and Agricultural Department No.  $\frac{1339}{36-6}$ , dated 1st November 1880.

(d) Department of Finance and Commerce No. 768, dated 11th February 1880.

(e) Secretary of State's despatch No. 76 (Revenue), dated 15th August 1880.

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

(g) Revenue and Agricultural Department No.  $\frac{139}{220}$ , dated 17th January 1893.

(h) Financial Resolution No. 764, dated 11th June 1885.

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 July 1893.
								Y. M. D.
<b>JUNIOR DIVISION</b> —contd.								
<b>Extra Assistant Superintendents—concl'd.</b>								
6TH GRADE—concl'd.								
Salary R300—concl'd.								
13		J. Murphy . . . . .	Rev.	. . . . .	12 7 52	Nov. 1, 1871	May 23, 1893	20 11 19
14		A. W. Smart . . . . .	Rev.	. . . . .	27 2 51	Dec. 1, 1871	May 23, 1893	21 4 0
15		W. M. Kelly . . . . .	Rev.	LS.	6 8 54	Oct. 1, 1872 Oct. 1, 1878A	May 23, 1893	18 10 25
16		A. Kitchen . . . . .	Topogl.	. . . . .	27 1 53	Oct. 1, 1872	May 23, 1893	20 5 4
...		E. P. S. Hill* . . . . .	Rev.	HS; LS Persian.	14 7 55	Nov. 16, 1872	May 23, 1893	17 11 15
17		R. R. Dickinson . . . . .	Rev.	LS.	25 7 52	Apl. 16, 1873	May 23, 1893	21 3 0
18		G. A. Knight . . . . .	Topogl.	. . . . .	22 4 54	Aug. 11, 1873	May 23, 1893	19 0 11
19		W. A. Fielding . . . . .	. . . . .	LS.	17 5 48	May 1, 1868 Oct. 1, 1887A	May 23, 1893	25 1 14
...		P. A. Peters . . . . .	Rev.	LS.	24 12 54	Nov. 1, 1873	May 23, 1893	18 6 23
20		T. S. Marten . . . . .	Forest Surv.	. . . . .	23 2 46	Oct. 6, 1888	May 23, 1893	18 3 18
<b>Sub-Assistant Superintendents.</b>								
1ST GRADE.								
Salary R200 rising to R280.								
1		P. F. Prunty . . . . .	G. T. S.	. . . . .	24 12 54	May 9, 1874	May 14, 1886	18 6 7
2		P. White . . . . .	Topogl.	LS.	10 10 50	Oct. 1, 1872	Oct. 1, 1884	18 1 5
3		J. Keating . . . . .	G. T. S.	. . . . .	4 5 54	June 1, 1874	July 1, 1886	19 1 0
4		S. F. Norman . . . . .	G. T. S.	. . . . .	8 8 54	Sep. 1, 1874	Apl. 1, 1887	18 10 0
5		C. Norman . . . . .	G. T. S.	LS.	18 6 56	Oct. 12, 1874	Apl. 1, 1887	17 1 12
6		C. S. Kraal . . . . .	Rev.	LS.	25 10 53	July 24, 1874	Aug. 1, 1886	18 10 21
7		D. Campbell . . . . .	Topogl.	LS.	18 11 52	Nov. 1, 1874	Apl. 1, 1887	20 7 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 July 1893—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.			
13	300 0 0	(a) Burma, R50 . . . . .	No. 7 (Amherst) . . . . .	Office Assistant from 22nd November 1868.
14	300 0 0	(b) Settlement, R50 . . . . .	No. 8 (Orissa) . . . . .	Sick leave for three months from 8th July 1880.
15	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.
16	300 0 0	(d) Simla allowance, R25. . . . .	Drawing Office, Simla.	
...	. . . . .	. . . . .	On deputation, Central Provinces.	
17	300 0 0	. . . . .	No. 10 (Bombay) . . . . .	Apprentice from 1st April 1872.
18	300 0 0	. . . . .	No. 10 (Bombay) . . . . .	On Medical leave from 12th May to 7th July 1892.
19	300 0 0	. . . . .	No. 18 (Himalaya) . . . . .	Inclusive of services in the Bombay Secretariat from 1st April 1886 to 10th September 1887.
...	. . . . .	. . . . .	On deputation, Straits Settlements.	
20	300 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 14th March 1874.
1	25	. . . . .	No. 18 (Himalaya).	
2	. . . . .	. . . . .	. . . . .	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. On sick leave for 1 year from 17th October 1881; extension to 28th January 1883. On sick leave for 3 months from 5th November 1883 to 4th February 1884. On furlough for one year from 24th March 1882. Extension for six months granted by the Secretary of State.
3	250 0 0	. . . . .	No. 14 (Nimar).	
4	250 0 0	(e) Half scale, local, R15. . . . .	No. 17 (Bombay Forests).	
5	250 0 0	(e) Ditto, R15 . . . . .	No. 17 (Bombay Forests).	
6	250 0 0	. . . . .	No. 8 (Orissa) . . . . .	Sick leave from 6th to 22nd February 1879.
7	250 0 0	. . . . .	No. 14 (Nimar) . . . . .	Joined as a Sub-Surveyor on 3rd July 1872.

(a) Financial Resolution No. 5826, dated 25th 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) Revenue and Agricultural Department No. 1339/36-6, dated 1st November 1900.  
(e) 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 July 1893.
		<b>JUNIOR DIVISION</b>						
		<i>—contd.</i>						
		<b>Sub-Assistant Superintendents—contd.</b>						
		1st GRADE—concl'd. Salary R200 rising to R250—concl'd.						
								Y. M. D.
	8	L. F. Berkeley . . . . .	Rev.	LS.	28 8 54	Aug. 16, 1875	Nov. 24, 1887	17 10 16
	9	J. Marten . . . . .	Forest Surv.	. . . . .	27 9 51	Oct. 6, 1888	Oct. 6, 1888	17 8 10
	10	G. P. Tate . . . . .	†	LS.	22 7 56	Mar. 12, 1878	Aug. 29, 1888	16 11 9
	11	J. M. Kennedy . . . . .	G. T. S.	. . . . .	2 11 56	Aug. 19, 1875	Nov. 1, 1888	16 7 28
	12	P. C. H. Smart . . . . .	†	. . . . .	16 9 55	Apr. 18, 1878	Nov. 24, 1888	14 9 6
	13	B. F. Warwick . . . . .	G. T. S	LS.	25 3 55	July 2, 1875	May. 9, 1889	15 2 2
	14	A. George . . . . .	†	LS.	14 1 55	Oct. 15, 1878	May 13, 1889	14 8 17
	15	W. H. D. Ewing . . . . .	†	LS.	23 8 57	Apr. 15, 1878	May 16, 1889	15 0 15
	16	C. George . . . . .	†	LS.	7 12 52	Sep. 5, 1878	Feb. 1, 1890	18 10 14
	17	R. W. Senior . . . . .	†	LS.	13 11 60	Dec. 21, 1878	May 5, 1890	12 2 19
	18	J. A. Higgs . . . . .	†	LS.	18 4 59	Sep. 12, 1881	Nov. 10, 1890	13 6 0
	19	O. D. Smart . . . . .	†	. . . . .	16 9 57	Oct. 1, 1881	Mar. 1, 1891	11 9 0
	20	A. Ewing . . . . .	†	. . . . .	1 1 62	Nov. 16, 1881	Apr. 1, 1891	11 6 0
	21	M. Gastand . . . . .	†	. . . . .	8 3 62	May 1, 1882	Apr. 25, 1891	11 4 0
	...	P. Beechey . . . . .	†	LS. & HS. Burmese.	18 7 61	Dec. 1, 1882	May 13, 1891	10 7 0
	22	E. F. Berkeley . . . . .	†	LS.	21 10 64	Sep. 1, 1883	Jan. 5, 1892	8 10
24		<b>2ND GRADE.</b>						
		Salary R160 rising to R200.						
	1	J. P. Barker . . . . .	†	. . . . .	21 8 65	Dec. 23, 1883	May 23, 1893	7 10 10
	2	N. Bedford . . . . .	†	. . . . .	16 7 61	Jan. 10, 1884	May 23, 1893	9 5 22
	3	T. J. J. Mills . . . . .	†	. . . . .	31 12 63	Mar. 14, 1884	May 23, 1893	9 3 18
	4	B. R. Hughes . . . . .	†	LS. & LS. Burmese.	13 6 66	Oct. 15, 1883	May 23, 1893	7 0 18
	5	P. J. Serrao . . . . .	†	LS. Burmese.	3 7 61	Apr. 24, 1884	May 23, 1893	9 2 7
	6	W. E. Johnson . . . . .	†	ES. Burmese.	14 9 61	Aug. 18, 1884	May 23, 1893	8 10 14
	7	T. W. Babonau (Jr.) . . . . .	†	LS. & E3. Burmese.	10 7 66	Jan. 15, 1884	May 23, 1893	6 4 7
	8	W. Skilling . . . . .	†	LS.	26 4 67	Nov. 24, 1884	May 23, 1893	6 2 6
	9	A. B. Smart . . . . .	†	. . . . .	27 9 65	Feb. 25, 1885	May 28, 1893	7 8 4
	10	B. M. Wilson . . . . .	Rev.	. . . . .	14 4 48	Nov. 15, 1872	Apr. 1, 1891	21 5 7
	11	J. Smith . . . . .	†	. . . . .	14 9 63	Aug. 1, 1884	Aug. 29, 1888	8 11 0

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

## India Department, as it stood on 1st July 1893—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.			
8	250 0 0	. . . . .	No. 2 (Eastern Bengal).	
9	240 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 22nd October 1875.
10	240 0 0	(a) Baluchistan R80 .	No. 15 (Baluchistan) . . .	Apprentice from 1st March 1874.
11	240 0 0	(b) Upper Burma, R80 .	No. 21 (Upper Burma).	
12	240 0 0	. . . . .	Nos. 4 and 5 (Bihar) . . .	Sick leave from 8th April to 14th September 1883.
13	230 0 0	(a) Burma, R50 . . .	No. 20 (Burma) . . . . .	Exclusive of leave on medical certificate for 2 months from 10th October to 9th December 1877; for 6 months from 1st May to 31st October 1879; for 4 months and 25 days from 30th August 1881; and for 11 months and 30 days from 18th August 1882 to 14th August 1883. On furlough for 1 year from 28th May 1892.
14	220 0 0	(b) Upper Burma, R80.	No. 12 (Minbu) . . . . .	Exclusive of previous service as Sub-Surveyor.
15	230 0 0	. . . . .	Nos. 4 and 5 (Bihar) . . .	Exclusive of 2 months and 1 day suspension from 28th May to 1st July 1880, and sick leave from 2nd to 28th July 1880.
16	230 0 0	. . . . .	No. 9 (Central Provinces)	Previous service as Sub-Surveyor from 16th August 1874.
17	230 0 0	. . . . .	No. 18 (Himalaya) . . . . .	Exclusive of medical leave from 8th May to 8th October 1889.
18	220 0 0	(a) Burma, R50 . . . (c) Charge, R50 . . .	In charge, Mergui Detachment.	Previous continuous service in Board of Revenue from 4th March 1879, and joined as apprentice from 31st July 1878. Medical leave from 7th March to 16th November 1888.
19	210 0 0	(b) Upper Burma, R80	No. 3 (Shwebo).	
20	220 0 0	(a) Burma, R50 . . .	No. 20 (Burma).	
21	200 0 0	(a) Burma, R50 . . .	No. 7 (Amherst) . . . . .	Apprentice Draftsman from 3rd January 1882.
...	. . . . .	. . . . .	On deputation, Burma.	
22	210 0 0	. . . . .	No. 8 (Orissa).	
1	200 0 0	(d) Personal, R10 .	No. 8 (Orissa).	
2	200 0 0	(d) Do. R10 . . . . .	Nos. 4 and 5 (Bihar).	
3	200 0 0	(d) Do. R10 . . . . .	No. 19 (Madras).	
4	200 0 0	. . . . .	No. 14 (Nimar).	
5	200 0 0	(b) Upper Burma, R80.	No. 3 (Shwebo).	
6	200 0 0	(b) Upper Burma, R80	No. 12 (Minbu).	
7	200 0 0	(a) Burma, R50 . . .	No. 7 (Amherst) . . . . .	Extraordinary leave from 9th April to 21st November 1889. Leave to Europe on private affairs from 30th June to 20th December 1892.
8	200 0 0	. . . . .	Garhwal Detachment.	
9	200 0 0	. . . . .	No. 2 (Eastern Bengal).	
10	192 0 0	(c) Presidency house-rent, R20.	Head-Quarters, Calcutta . . .	
11	176 0 0	(a) Assam, R40 . . .	No. 6 (Assam).	Apprentice from 1st February 1872.

(a) Financial Resolution No. 5826, dated 25th October 1888.  
 (b) Department of Finance and Commerce No. 766, dated 11th February 1889.  
 (c) Secretary of State's Despatch No. 121, dated 7th May 1885.  
 (d) Secretary of State's Despatch No. 37 (Revenue), dated 4th May 1893.  
 (e) Financial Resolution No. 704, dated 22nd February 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 July 1893.
<b>JUNIOR DIVISION</b> —concl'd. <b>Sub-Asst. Supdts.—</b> concl'd. <b>2ND GRADE—concl'd.</b> Salary R160 rising to R200— concl'd.								
								Y. M. D.
12		C. G. Lee	†	•••••	23 8 66	Mar. 1, 1886	May 13, 1889	6 10 8
13		F. S. Bell	†	•••••	28 9 64	Sep. 24, 1886	May 16, 1889	6 9 7
14		F. E. Warde	†	•••••	7 9 51	Nov. 13, 1884A	Oct. 1, 1889	8 0 10
15		F. P. Walsh	†	•••••	20 11 66	Mar. 4, 1886	Feb. 1, 1890	6 7 10
16		F. B. Powell	†	ES,LS. Burmese	11 8 64	Sep. 23, 1886	May 5, 1890	6 9 8
17		Yusaf Sharif, Khan Bahadur	†	LS.	18 12 46	Dec. 1, 1886	Nov. 10, 1890	26 0 15
18		H. A. Charrier	†	ES,Burmese.	22 10 64	Apl. 21, 1884	Mar. 1, 1891	8 4 26
19		Rai Hira Singh, Bahadur	†	•••••	1 9 51	Mar. 12, 1887	Apl. 1, 1891	21 7 0
		J. A. T. Haddock	†	LS, ES. Burmese.	16 10 63	Nov. 26, 1887	Apl. 25, 1891	5 7 5
20		J. H. Murphy	†	ES,Burmese	26 7 69	Nov. 1, 1887	May 13, 1891	2 11 6
21		W. J. Baker	†	LS.	18 8 68	Jan. 25, 1888	Jan. 5, 1892	5 5 7
22		C. G. S. Wood	†	•••••	1 7 68	Aug. 2, 1884	Mar. 17, 1892	5 0 0
23		C. S. Gasper	†	•••••	11 8 68	Mar. 2, 1888	Apl. 1, 1892	4 10 21
24		C. H. G. Johnson	†	•••••	14 6 69	Nov. 13, 1888	May 8, 1892	4 0 17
<b>3RD GRADE.</b> Salary R120 rising to R160.								
26	1	H. G. Shaw	†	•••••	21 2 62	Jan. 1, 1889	May 23, 1893	10 6 0
2		Sarat Chunder Sen	†	•••••	Nov. 1865	Aug. 26, 1889	May 23, 1893	3 10 6
3		W. F. E. Adams	†	•••••	12 6 68	Aug. 26, 1889	May 23, 1893	3 10 6
4		J. H. Nichol	†	Forest Surv.	9 4 67	Dec. 12, 1889	May 23, 1893	4 6 16
5		G. Rae	†	•••••	23 11 70	Nov. 19, 1890	May 23, 1893	2 7 8
6		Imam Sharif, Khan Bahadur	†	•••••	7 4 49	May 6, 1891	May 23, 1893	21 6 0
7		C. Litchfield	†	Forest Surv.	24 1 66	Jan. 10, 1892	May 23, 1893	4 7 17
8		H. W. Biggie	†	ES,Burmese	9 12 71	Nov. 21, 1891	•••••	1 6 23
9		Aulad Hussein	†	•••••	0 12 68	Nov. 13, 1891	•••••	1 7 18
10		Bahmatulla	†	•••••	28 9 66	Nov. 13, 1891	•••••	6 9 4
11		J. O. Greiff	†	LS.	2 7 72	Nov. 13, 1891	•••••	1 0 0
12		Nilmoni Chatterjee	†	•••••	17 11 70	Nov. 23, 1891	•••••	1 5 7
13		H. B. Powell	†	ES,Burmese.	2 6 70	Nov. 22, 1891	•••••	1 7 9
14		J. A. Freeman	†	•••••	24 7 70	Nov. 23, 1891	•••••	1 7 8
15		O. C. Ollenbach	†	•••••	3 4 67	Nov. 23, 1891	•••••	1 7 9
16		M. F. Berkeley	†	•••••	2 9 7	Nov. 17, 1891	•••••	1 7 14
17		H. H. B. Hanby	†	•••••	21 6 72	Nov. 25, 1891	•••••	1 0 10
18		P. K. Vaughan	†	•••••	14 2 70	Nov. 23, 1891	•••••	1 7 8
19		Vacant	•••••	•••••	•••••	•••••	•••••	•••••
20		Ditto	•••••	•••••	•••••	•••••	•••••	•••••
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 July 1893—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.			
12	192 0 0		No. 2 (Eastern Bengal).	
13	184 0 0	(a) Upper Burma, R80	No. 12 (Miuibu).	
14	160 0 0	(b) Simla, R16	Drawing Office, Simla	Exceeded joining time by 6 days, viz., from 22nd to 27th May and 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., 9 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, 9 days in May, 14 days in July, and 7 day in Aug., and sick leave from 5th Sep. to 31st Oct. 1892.
15	176 0 0	(a) Upper Burma, R80.	No. 3 (Shwebo).	
16	176 0 0	(c) Burma, R50	No. 7 (Amherst).	
17	176 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 16th June 1867.
18	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 to 23rd August 1890.
19	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 1890.
			On deputation, Burma.	
20	168 0 0		Garhwal Detachment	Medical leave for 1 month from 16th Apl. 1890.
21	160 0 0	(a) Upper Burma, R80	No. 3 (Shwebo).	
22	160 0 0		No. 2 (Eastern Bengal)	Leave without allowances from 12th May 1886 to 11th January 1890.
23	160 0 0	(d) Settlement, R50	No. 8 (Orissa).	
24	160 0 0		No. 9 (Central Provinces).	
1	160 0 0	(a) Upper Burma, R80.	No. 11 (Upper Burma)	Includes previous service in the Meteorological Department without interruption from 1st January 1883.
2	160 0 0	(c) Presidency house-rent, R20.	Calcutta Detachment.	
3	160 0 0	(a) Upper Burma, R80.	No. 21 (Upper Burma).	
4	160 0 0		On deputation, Forest Department.	Includes previous service in Forest Department from 16th December 1888.
5	160 0 0		No. 9 (Central Provinces).	
6	160 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 1st September 1871.
7	160 0 0		On deputation, Forest Department.	Includes previous service in Forest Department from 14th November 1888.
8	128 0 0	(a) Upper Burma, R 80	No. 12 (Miuibu)	
9	128 0 0		No. 22 (Astro.)	
10	128 0 0		No. 14 (Nimar)	Joined as Computer, 18th August 1886.
11	128 0 0		No. 14 (Nimar)	
12	128 0 0		No. 8 (Orissa)	Extraordinary leave from 1st June to 2nd Aug. 1892.
13	128 0 0	(a) Upper Burma, R80	No. 3 (Shwebo)	
14	128 0 0		No. 10 (Bombay)	
15	128 0 0	(a) Upper Burma, R80	No. 3 (Shwebo)	
16	128 0 0		Head Quarters, Calcutta	
17	128 0 0		Nos. 4 & 5 (Bihar)	
18	128 0 0		Nos. 4 & 5 (Bihar)	
19				
20				
21				
22				
23				
24				
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(a) Department of Finance and Commerce No. 758, dated 11th February 1890.  
(b) Revenue and Agricultural Department No. 1339, dated 1st November 1890.  
(c) Financial Resolution No. 5926, dated 25th October 1888.  
(d) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 1890.  
(e) Financial Resolution No. 704, dated 22nd February 1896.

## Names of Administrative and Technical Offices of the Survey of India Department, as they stood on 1st July 1893.

NAMES OF OFFICES AND SECTIONS.	Nature of Work.	Administrative Superintendent.
<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.
Map Record and Issue . . . . .	Receipts and Issues of maps . . . . .	A. S. G., D. O.
<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.
<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 . . . . .	D. S. G., Trig.
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 . . . . .	Asst. Suptd.

## Names of Field Parties of the Survey of India Department, as they stood on 1st July 1893.

No. of Party.	Locale of Operations.	Nature of Current Operations.	Administrative Superintendent.
No. 2	Eastern 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.
„ 8	Orissa . . . . .	Ditto . . . . .	Director, Bengal Surveys
„ 9	Central Provinces . . . . .	Traverse . . . . .	D. S. G., Rev.
„ 10	Bombay . . . . .	Topographical . . . . .	Ditto.
„ 11	Upper Burma . . . . .	Ditto . . . . .	D. S. G., Topo.
„ 12	Minbu . . . . .	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 Bombay . . . . .	Latitude Observations . . . . .	D. S. G., Trig.
„ 23	N.-W. P. and Bombay . . . . .	Ditto . . . . .	Ditto
„ 24	Upper Burma . . . . .	Triangulation . . . . .	Ditto.
„ 25	India and Burma . . . . .	Tide-Registering and Levelling . . . . .	Ditto.
Detacht.	Calcutta City . . . . .	Cadastral . . . . .	D. S. G., Rev.
„	Garhwal . . . . .	Ditto . . . . .	Ditto.
„	Mergui . . . . .	Topographical . . . . .	Ditto.
„	Indus Riverain . . . . .	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 July 1893.

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, C.I.B., B.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. 20 Party (Burma). No. 21 Party (Upper Burma). Simla Drawing Office.
(Calcutta.)							
Deputy Surveyor-General in charge, Revenue Branch.	Lieutenant-Colonel C. Strahan, B.E.	. . . . .	. . . . .	. . . . .	. . . . .	Apl. 2, 91	Superintendence of— No. 3 Party (Shwobo). No. 6 Party (Assam). No. 7 Party (Amherst). No. 9 Party (C. P.) No. 10 Party (Bombay). No. 12 Party (Mibu). Calcutta Detachment. Gurhwal Detachment. Mergui Detachment. Indus Riverain Detachment.
(Calcutta.)							
Director of Bengal Surveys.	Lieutenant-Colonel J. E. Sandeman, I.S.C.	. . . . .	. . . . .	. . . . .	. . . . .	Apl. 1, 92	No. 2 Party (Eastern Bengal). Nos. 4 & 5 Party (Bihar). No. 8 Party (Orissa).
(Calcutta.)							

*Disposition List of Officers of the Survey of India Department attached to the Head Quarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra, and the Office at Simla, 1st July 1893—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.S.	. . .	. . . . .	. . .	. . .	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. Pechers .	E. A. Sup.	3rd	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.)	Major R. A. Wahab, R.S.	. . .	. . . . .	D. Sup.	1st	Apl. 19, 93	
			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	
			A. J. James . .	E. A. Sup.	4th	Aug. 1, 89	
			J. A. Barker . .	E. A. Sup.	5th	June 5, 93	
			G. D. Cusson . .	E. A. Sup.	6th	Nov. 23, 89	
			C. W. Wilson . .	E. A. Sup.	6th	Nov. 10, 92	
			C. W. F. Seyers .	E. A. Sup.	6th	Sep. 16, 90	
			M. F. Berkeley .	S. A. S.	3rd	June 13, 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 July 1893—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. W. H. Wilkins, I.S.C.	. . .	. . . . .	Sup.	1st	Apl. 19, 93	
Assistant Surveyor-General, Photographic and Lithographic Offices.  Ditto . . . (Calcutta.)	Col. J. Waterhouse, I.S.C.  . . . . .	. . .  T. Archdale Pope	. . . . .  . . . . .	Sup.  D. Sup.	2nd  2nd	Dec. 1, 66  May 7, 91	
Charge of Map, Record and Issue Office.  (Calcutta.)	Major R. A. Wahab, B.E.	. . .	. . . . .  B. M. Wilson	D. Sup.  S. A. S.	1st  2nd	Dec. 1, 92  Nov. 1, 82	
Charge of Drawing Office.  (Simla.)	G. W. E. Atkinson.	. . .	. . . . . W. J. Cornelius A. Kitchen F. E. Warde	A. Sup. E. A. Sup. E. A. Sup. S. A. S.	2nd 5th 6th 2nd	Nov. 8, 92 Feb. 1, 90 Feb. 1, 90 May 1, 90	Offg. Asst. Supdt., 1st grade.

List of Technical and Ministerial Officers of the Survey of India  
Department drawing Rs. 100 and above, as it stood on 1st  
July 1893.

Names.	Date of birth.	Designation.	Salary. <i>₹ 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 . .	600 0 0	Aug. 9, 1861	Aug. 10, 1892	Short-drawn R80.
T. A. Milne . . .	5 8 55	Head Assistant	300 0 0	June 20, 1872	Dec. 1, 1892	
F. A. D'Rozario . . .	3 7 49	Head Clerk . .	300 0 0	Oct. 14, 1874	Nov. 9, 1892	Short-drawn R40.
C. O. Gray . . .	17 2 61	Ditto . .	250 0 0	Feb. 5, 1879	July 1, 1892	Short-drawn R30.
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	Dec. 21, 1892	Short-drawn R50.
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	
Banee 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 1, 1878	Sep. 1, 1892	
<b>Drawing Office.</b>						
S. M. Smylle . . .	25 11 40	Chief Draftsman	600 0 0	July 24, 1860	Jan. 5, 1892	On privilege leave for 3 months from 11th April 1893.
L. J. Pocock . . .	26 9 43	Head ditto	450 0 0	July 10, 1863	July 30, 1892	Officiating Chief Draftsman.
G. D. Cusson . . .	23 9 46	Draftsman . .	325 0 0	May 8, 1868	Feb. 1, 1890	
<b>EUROPEAN DRAFTSMEN.</b>						
W. Green . . .	10 9 39	Draftsman . .	300 0 0	Jan. 1, 1862	Jan. 1, 1890	
A. J. Muegrove . . .	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 July 1893—continued.*

Names.	Date of birth.	Designation.	Salary. R a. p.	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.
R. Sinclair . . . .	2 12 61	Ditto . .	150 0 0	Jan. 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 1893, inclusive of R5, personal allowance.
Muttayulla . . . .	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, 18 3	
<b>Additional Establishment, Drawing Office.</b>						
A. J. James . . . .	19 11 46	Draftsman . .	400 0 0	June 15, 1864	Mar. 1, 1891	
Vacant . . . .	. . . .	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. , 884	
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. , 1890	
A. W. N. James . . . .	21 1 60	5th ditto . .	400 0 0	Mar. 15, 1878	Apl. , 1891	Ditto R25.
A. R. 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. R. 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. 1, 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 July 1893—continued.*

Names.	Date of birth.	Designation.	Salary. 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>						
<b>NORMAL ESTABLISHMENT.</b>						
<i>Lithographic Drawing Section.</i>						
H. L. Lepage . . .	16 5 43	Head Assistant	550 0 0	July 15, 1871	Aug. 10, 1892	Short-drawn R90.
E. Dowling . . .	18 3 68	Head Draftsman.	200 0 0	Aug. 1, 1884	Apr. 1, 1893	Ditto R100.
Ambica Churn Mookerjee	1 1 54	Draftsman .	120 0 0	July 10, 1878	Mar. 8, 1893	Ditto R15.
Sobhan Bux . . .	Mar. 36	Examiner .	100 0 0	Aug. 5, 1854	May 1, 1888	Ditto R10. 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. 4, 1867	Mar. 8, 1893	
D. Deas . . .	9 9 55	Chromo, Litho. Printer.	330 0 0	Nov. 29, 1883	Nov. 9, 1888	Ditto R30.
S. U. Ravenscroft . . .	21 2 69	Asst. ditto .	120 0 0	Aug. 1, 1884	Mar. 8, 1893	Ditto R40.
Vacant . . .	. . .	Machine Printer.	125 0 0	. . . . .	. . . . .	
J. B. Mackenzie . . .	16 4 65	Asst. Zinco-grapher.	125 0 0	Oct. 1, 1880	Mar. 8, 1893	Ditto R20.
<i>Type Printing Section.</i>						
E. D'Pyvah . . .	15 3 50	Head Printer .	150 0 0	Aug. 1, 1868	Mar. 8, 1893	Ditto R25.
<i>Photographic, Negative and Printing Section.</i>						
J. Harrold . . .	24 5 35	Photographer .	330 0 0	Mar. 19, 1873	Mar. 11, 1890	Extension of service up to 23rd May 1894.
C. J. Meade . . .	28 4 68	Asst. ditto .	150 0 0	Aug. 1, 1884	Mar. 8, 1893	Short-drawn R60.
P. Michael . . .	31 8 73	Ditto .	125 0 0	Sep. 1, 1884	Mar. 8, 1893	Ditto R40.
C. Andrews . . .	27 3 66	Ditto .	100 0 0	Nov. 1, 1892	Mar. 8, 1893	Ditto R50.
<i>Heliogravure Section.</i>						
A. W. Turner . . .	19 10 53	Photo. Engraver.	400 0 0	May 1, 1885	May 1, 1890	
J. T. Meade . . .	29 12 69	Asst. ditto .	200 0 0	Aug. 1, 1884	Mar. 8, 1893	Ditto R100.
<i>Correspondence, Stores and Account Section.</i>						
W. Moore . . .	4 11 58	Store-keeper .	200 0 0	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 R100 and above, as it stood on 1st July 1893—continued.*

Names.	Date of birth.	Designation.	Salary.	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>—cont'd.</i>						
<b>CADASTRAL ESTABLISHMENT.</b>						
<i>Photographic Section.</i>						
H. Haward . . .	10 2 50	Head Photo. Asst.	500 0 0	Nov. 16, 1883	Nov. 16, 1892	
R. George . . .	5 5 46	Photographer .	330 0 0	Feb. 1, 1876	Mar. 8, 1893	
L. Lagnier . . .	1 7 50	Ditto .	200 0 0	Feb. 1, 1876	Mar. 8, 1893	
T. Lloyd . . .	7 11 54	Ditto .	150 0 0	July 16, 1873	Mar. 8, 1893	Short-drawn R50.
<i>Zinc Printing Section.</i>						
E. A. LeFranc . . .	12 12 56	Zincographer .	330 0 0	Nov. 15, 1876	Jan. 1, 1890	Inclusive of house-rent, R30.
F. B. Vandyke . . .	28 9 65	Ditto .	330 0 0	July 29, 1885	Aug. 1, 1891	Inclusive of house-rent, R20. Short-drawn R160.
G. A. LeFranc . . .	27 4 69	Asst. ditto .	125 0 0	Aug. 1, 1884	Mar. 8, 1893	Ditto R40.
<b>Mathematical Instrument Office.</b>						
<b>WORKSHOP SECTION.</b>						
T. Bolton, F.R.A.S., London.	11 1 45	Mathematical Instrument-maker.	750 0 0	Sep. 16, 1867	Nov. 11, 1879	
F. Marshall . . .	9 1 56	Assistant Mathematical Instrument-maker.	500 0 0	Jan. 3, 1881	Jan. 3, 1887	
<b>CORRESPONDENCE SECTION.</b>						
W. Campagnac . . .	21 9 58	Head Clerk .	200 0 0	Apl. 1, 1882	Jan. 1, 1893	Furlough to England for 12 months from 12th April 1892. Short-drawn R30.
W. R. Tulloch . . .	1 10 69	2nd ditto .	100 0 0	Apl. 1, 1888	Jan. 1, 1893	Ditto R40.
<b>STORE SECTION.</b>						
M. C. Belletty . . .	15 4 53	Store-keeper .	150 0 0	Apl. 15, 1878	Jan. 1, 1893	Short-drawn R20.

*List of Technical and Ministerial Officers of the Survey of India Department drawing ₹100 and above, as it stood on 1st July 1893—concluded.*

Names.	Date of birth.	Designation.	Salary. <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 12 months from 10th July 1886. On furlough for 6 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	(a) Date of appointment to Educational Department. Joined Computing Office, Survey of India, 10th April 1868.	
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		
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		
<i>Drawing Section.</i>							
Shamlal Banerjee . .	15 6 63	Draftsman .	100 0 0	Mar. 18, 1872	Mar. 1, 1892	(a) Date of appointment to Survey of India. Previous Military service excluded.	
<i>Photozinc. Section.</i>							
J. S. Manuel . . .	30 4 51	Assistant Zincographer.	150 0 0	July 16, 1889	Mar. 1, 1893		
<i>Printing Section.</i>							
B. V. Hughes . . .	11 4 40	Printer . .	250 0 0	Nov. 1, 1880(a)	July 1, 1886		
<i>Correspondence Section.</i>							
J. Burbridge . . .	18 10 59	Head Clerk .	250 0 0	Jan. 16, 1879	Dec. 1, 1892		Short-drawn ₹40. Sick leave for six months from 15th March 1893.
<i>Solar Photographic Section.</i>							
C. F. Guthrie . . .	3 61	Asst. Solar Photographer.	150 0 0	Nov. 1, 1880	Mar. 1, 1892		
<b>SIMLA DRAWING OFFICE.</b>							
H. Sindon . . . .	3 12 48	Draftsman .	115 0 0	Jan. 1, 1865	Oct. 1, 1891		
F. Rozario . . . .	23 3 50	Surveyor .	100 0 0	May 28, 1873	Mar. 1, 1891		

Disposition List of Officers of the Survey of India

No. of Party.	Locale and nature of operations.	Administrative Superintenden	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.			
2	Eastern Bengal . . . . (Cadastral.)	D.R.S.	Capt. J. M. Fleming, I.S.O.	D. Sup.	2nd	Nov. 24, 92			
			W. J. O'Sullivan . . . . .	E. A. Sup.	4th	Nov. 7, 89			
			J. McHatton . . . . .	E. A. Sup.	5th	Jan. 1, 80			
			T. Shaw . . . . .	E. A. Sup.	6th	Oct. 14, 92			
			G. Campbell . . . . .	E. A. Sup.	6th	Dec. 1, 92			
			L. F. Berkeley . . . . .	S. A. S.	1st	Apr. 1, 93			
			A. B. Smart . . . . .	S. A. S.	2nd	Oct. 14, 92			
			C. G. Lee . . . . .	S. A. S.	2nd	Nov. 7, 89			
			C. G. S. Wood . . . . .	S. A. S.	2nd	Oct. 1, 92			
			Recess quarters, Calcutta .			Permanent Establishment			
			Temporary ditto						
2	Shwebo . . . . . (Cadastral.)	D.S.G Rev.	G. B. Scott . . . . .	D. Sup.	2nd	Dec. 31, 91			
			A. E. Spring . . . . .	A. Sup.	1st	Sept. 20, 92			
			J. Counor . . . . .	E. A. Sup.	5th	Feb. 1, 90			
			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			
			Recess quarters, Mandalay			Permanent Establishment			
			Temporary ditto						
4 &	Bihar . . . . . (Cadastral.)	D.B.S.	Capt. G. B. Hodgson, I.S.O.	D. Sup.	2nd	Nov. 17, 90			
			J. S. Pemberton . . . . .	A. Sup.	2nd	Oct. 1, 92			
			Lieut. A. J. Pilcher, R.F.	A. Sup.	2nd	Oct. 1, 92			
			Lieut. C. W. H. Symonds, I.S.O.	A. Sup.	2nd	Nov. 1, 92			
			H. T. Hanby . . . . .	E. A. Sup.	3rd	May 1, 70			
			R. B. Smart . . . . .	F. A. Sup.	4th	Dec. 1, 92			
			G. T. Hall . . . . .	E. A. Sup.	6th	Nov. 1, 89			
			G. Vander Beek . . . . .	E. A. Sup.	6th	Oct. 1, 92			
			P. C. H. Smart . . . . .	S. A. S.	1st	Nov. 1, 91			
			W. H. D. Ewing . . . . .	S. A. S.	1st	Oct. 1, 92			
			N. Bedford . . . . .	S. A. S.	2nd	Nov. 1, 92			
			H. H. B. Hanby . . . . .	S.A. S.	3rd	Oct. 1, 92			
			P. K. Vaughan . . . . .	S. A. S.	3rd	Nov. 23, 91			
			Recess quarter, Dinapore .			Permanent Establishment			
						Temporary ditto			

Department attached to Field Parties, 1st July 1893.

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.		
17	16	19	2	13	2,64,000	
119	74		...	6		
...	...	...	...	...	2,61,460	Offg. Deputy Superintendent, 1st grade.
11	12	214	2	7		
193	60	500	20	...		
...	...	...	...	...	3,01,500	Offg. Deputy Superintendent, 1st grade. Offg. Assistant Superintendent, 1st grade.  On Medical leave for 2 months from 10th May 1893.
36	12	138	...	23		
222	56	698	...	...		

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.		
6	Assam (Cadastral.)	D. S. G. Rev.	A. J. Gibson . . . . .	E. A. Sup.	2nd	Nov. 1, 92		
			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.	4th	Dec. 1, 92		
			G. W. Jarbo . . . . .	E. A. Sup.	5th	Nov. 1, 80		
			J. Murphy . . . . .	E. A. Sup.	6th	Nov. 1, 91		
			M. Gastaud . . . . .	S. A. S.	1st	Oct. 1, 91		
			T. W. Babonau (Jr.) . . . . .	S. A. S.	2nd	Jan. 1, 83		
			F. B. Powell . . . . .	S. A. S.	2nd	Apr. 1, 90		
			Recess quarters, Rangoon . . . . .			Permanent Establishment . . . . .		
						Temporary ditto . . . . .		
8	Orissa (Cadastral.)	D. B. S.	R. C. D. Ewing . . . . .	E. A. Sup.	5th	Sep. 12, 87		
			S. O. Madras . . . . .	E. A. Sup.	5th	Oct. 1, 90		
			A. W. Smart . . . . .	E. A. Sup.	6th	Nov. 1, 91		
			C. S. Kraal . . . . .	S. A. S.	1st	Nov. 15, 88		
			E. F. Berkeley . . . . .	S. A. S.	1st	Nov. 1, 90		
			J. P. Barker . . . . .	S. A. S.	2nd	Dec. 1, 89		
			C. S. Gasper . . . . .	S. A. S.	2nd	Mar. 2, 88		
			Nilmoni Chatterjee . . . . .	S. A. S.	3rd	Nov. 23, 91		
			Recess quarters, Cuttack . . . . .			Permanent Establishment . . . . .		
						Temporary ditto . . . . .		

attached to Field Parties, 1st July 1893—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.		
11	7	69	1	8	98,770	
158	31	330	. . . .	. . . .		
. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	Offg. Deputy Superintendent, 2nd grade.
17	9	136	1	19	2,12,710	
110	85	950	. . . .	. . . .		
13	9	56	3	23	1,86,000	
1,500	97	617	. . . .	. . . .		

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.	Capt. W. J. Bythell, B. E.	A. Sup.	1st	Oct. 28, 92
			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
10	Bombay (Topo.)	D. S. G. Rev.	Major J. R. Hobday, I.S.O.	D. Sup.	1st	Oct. 20, 91
			Lt. H. A. D. Fraser, B.E.	A. Sup.	2nd	Oct. 29, 91
			W. Todd	E. A. Sup.	1st	Oct. , 88
			W. Stotesbury	E. A. Sup.	4th	Nov. 1, 90
			C. Tapsell	E. A. Sup.	5th	Mar. 1, 88
			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.	Col. R. G. Woodthorpe, C.B., B.E.	D. Sup.	1st	June 23, 92
			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.	3rd	Oct. 1, 92
Recess quarters, Bangalore						
12	Mlnbu (Cadastral.)	D. S. G. Rev.	W. H. Patterson	D. Sup.	1st	Nov. 1, 91
			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.	6th	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 July 1893—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.		
16	12	41	2	16	77,010	Offg. Deputy Superintendent, 2nd grade.
26	19	461				
40	1	242	1	8	83,510	Offg. Asst. Superintendent, 1st grade.
10	1	129	1		79,500	Offg. Superintendent, 2nd grade.
10	13	235	2	19	2,48,650	
168	41	814				

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, I.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.E.	Sup.	1st	Oct. 16, 91
			Capt. R. J. H. L. Mackenzie, R.E.	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
			H. T. Kitchen	E. A. Sup.	5th	June 29, 92
			G. F. Tate	S. A. S.	1st	July 13, 92
			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.	3rd	May 5, 93
Recess quarters, Quetta						
17	Bombay (Topo. Forests.)	D. S. G. Topo.	Col. H. S. Hutchinson, I.S.O.	Sup.	2nd	June 0, 91
			A. M. Lawson	E. A. Sup.	2nd	Oct. 1, 88
			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 July 1893—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.		
45	6	570	1	16	93,650	
12	1	183	1	2	1,33,250	
37	1	160		10	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.)  Recess quarters, Simla	D. S. G. Trig.	Major St. G. C. Gore, R.E.	D. Sup.	1st	Oct. 31, 90
			Lt. C. H. D. Ryder, R.E.	A. Sup.	2nd	Nov. 29, 91
			C. D. Potter	E. A. Sup.	5th	Nov. 1, 87
			W. Robert	E. A. Sup.	6th	Sep. 1, 78
			W. A. Fielding	E. A. Sup.	6th	Oct. 1, 87
			P. F. Prunty	S. A. S.	1st	Sep. 1, 86
			R. W. Senior	S. A. S.	1st	Oct. 1, 89
19	Madras . . . . . (Topo. Forests.)  Recess quarters, Bangalore.	D. S. G. Topo.	Lt.-Col. J. R. McCullagh, R.E.	Sup.	2nd	June 21, 88
			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
			T. J. J. Mills	S. A. S.	2nd	Oct. 1, 84
20	Burma . . . . . (Topo. Forests.)  Recess quarters, Bangalore	D. S. G. Topo.	E. J. Jackson	D. Sup.	1st	Nov. 15, 92
			W. A. Wilson	E. A. Sup.	2nd	Nov. 15, 90
			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
21	Upper Burma . . . . . (Topo.)  Recess quarters, Bangalore.	D. S. G. Topo.	Capt. T. B. Longe, R.E.	D. Sup.	1st	Feb. 3, 93
			Capt. C. F. Close	A. Sup.	1st	May 6, 93
			W. C. G. Barekley	E. A. Sup.	6th	May 16, 90
			J. M. Kennedy	S. A. S.	1st	May 16, 91
			W. F. E. Adams	S. A. S.	3rd	Oct. 21, 91

attached to Field Parties, 1st July 1893—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.		
23	9	242	1	9	79,770	Offg. Assistant Superintendent, 1st grade.
32	1	275	1	35	74,960	
24	1	530	1	11	1,14,390	Offg. Superintendent, 2nd grade.
11	1	108	4	4	82,640	Offg. Dy. Superintendent, 2nd grade.

## Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
22	Rajputana and Bombay (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	N.-W. P. and Bombay (Astronomical.)	D. S. G. Trig.	Lt. G. P. Lenox-Conyngham, R.E.	A. Sup.	1st	Oct. , 89
	Recess quarters, Mussoorie					
24	Upper Burma (Triangulation.)	D. S. G. Trig.	Lt. J. M. Durn, R.E.	A. Sup.	2nd	Oct. 12, 91
			T. H. Rendell	E. A. Sup.	4th	Sep. 15, 89
			J. Hickie	E. A. Sup.	5th	Oct. 1, 88
	Recess quarters, Mussoorie					
25	India and Burma (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.	3rd	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 July 1893—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	30	1	• • •	27,420	
• • •	• • •	• • •	• • •	• • •	• • • •	Offg. Deputy Superintendent, 2nd grade.
• • •	2	30	1	• • •	24,020	
• • •	• • •	• • •	• • •	• • •	• • • •	Offg. Assistant Superintendent, 1st grade.
• • •	4	103	1	91	81,520	
• • •	• • •	• • •	• • •	• • •	• • • •	Offg. Assistant Superintendent, 1st grade.
5	13	34	• • •	9	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.)  Recess quarters, Calcutta .	D. S. G. Rev.	Col. W. H. Wilkins, i.s.c. . . . .	Sup.	1st	Sep. 22, 90
			A. J. Wilson . . . . .	E. A. Sup.	1st	May 8, 92
			Sarat Chunder Sen . . . . .	S. A. S.	3rd	April 1, 92
						Permanent Establishment.
						Temporary ditto .
Dotacht.	Garhwal (Cadastral.)  Recess quarters, Naini Tal .	D. S. G. Rev.	T. F. Freeman . . . . .	E. A. Sup.	6th	Oct. 1, 76
			W. Skilling . . . . .	S. A. S.	2nd	Oct. 1, 85
			J. H. Murphy . . . . .	S. A. S.	2nd	Nov. 1, 87
						Permanent Establishment .
						Temporary ditto .
Detacht.	Mergui (Topo.)  Recess quarters, Bangalore	D. S. G. Rev.	J. A. Higgs . . . . .	S. A. S.	1st	Nov. 1, 90
Detacht.	Indus Riverain (Special.)  Recess quarters, Karachi .	D. S. G. Rev.	H. E. T. Keelan . . . . .	E. A. Sup.	1st	Oct. 29, 92
						Permanent Establishment.
						Temporary ditto .

attached to Field Parties, 1st July 1893—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.		
	.				} 20,000	
2	14	17	. . . .	6		
2	5	16	1	2	} 88,000	
241	196	378	. . . .	2		
8	1	210	1	9	21,460	
11	1	18	. . . .		} 20,180	
. . . .	. . . .	64	. . . .	. . . .		

## Disposition List of Officers of the Survey of India Department temporarily transferred to other Departments, or on furlough, etc., 1st July 1893.

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 duty at Royal Engineering Establishment, Chatham.
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.	6th	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.	
	P. A. Peters	E. A. Sup.	6th	Straits Settlements.	
	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.	3rd	Forest Department.	
	C. Litchfield	S. A. S.	3rd	Forest Department	
<i>On Furlough, etc.</i>					
Lieut. Col. M. W. Rogers, R.E.	. . . . .	Sup.	2nd	. . . . .	For 6 months from 19th April 1893.
E. C. Barrett	. . . . .	Sup.	2nd	. . . . .	For 6 months from 3rd May 1893.
G. H. Cooke	. . . . .	D. Sup.	1st	. . . . .	For 18 months from 22nd May 1892.
Capt. T. F. B. Renny-Tailleur, B.E.	. . . . .	D. Sup.	2nd	. . . . .	For 1 year from 6th May 1893.
Lieut. R. T. Crichton, I.S.C.	. . . . .	A. Sup.	1st	. . . . .	For 6 months from 3rd May 1893.
Capt. P. J. Gordon, I.S.C.	. . . . .	A. Sup.	1st	. . . . .	For 1 year from 5th November 1892.
B. G. Gilbert-Cooper	. . . . .	A. Sup.	1st	. . . . .	For 15 months from 19th May 1892.
	P. White	S. A. S.	1st	. . . . .	For 1 year from 24th March 1892. Extension for 6 months.

**STATEMENT OF SERVICES**  
OF  
**OFFICERS IN THE SURVEY OF INDIA.**  
Corrected up to 1st July 1893.

Thullier, Colonel Henry Ravenshaw, R.E., C.I.E.—Joined the service, 12th June 1857; arrived, 29th April 1859.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Joined Military College, Addiscombe, 1st August 1855.</i>				
...	2nd Lieutenant, Bengal Engineers . . . . .	12th June 1857	.....	...
<i>On duty at the Royal Engineering Establishment, Chatham, from 1st August 1857 to February 1859.</i>				
...	1st Lieutenant . . . . .	27th Aug. 1858	.....	...
Calcutta	2nd Asst., Great Trigonometrical Survey . . . . .	21st May 1859	.....	...
Murree . . . . .	Ditto attached to Great Indus Series Party . . . . .	20th Nov. 1859	.....	...
...	1st Asst. ditto . . . . .	1st Feb. 1861	.....	...
Kashmir . . . . .	Ditto attached to Kashmir Survey . . . . .	1st Mar. 1861	.....	...
Mussoorie . . . . .	Ditto in charge Levelling Party . . . . .	1st Mar. 1862	.....	...
Calcutta . . . . .	Ditto in charge East Calcutta Longitudinal Series Party . . . . .	1st Sept. 1862	.....	...
...	Surveyor, 3rd grade, ditto . . . . .	1st Apl. 1866	.....	...
Calcutta . . . . .	Ditto ditto, in charge Brahmaputra Series Party . . . . .	Nov. 1867	.....	...
...	Dy. Supdt., 2nd grade, ditto . . . . .	1st Sep. 1869	.....	...
<i>Promoted to Captain, 10th November 1869.</i>				
Mussoorie . . . . .	Dy. Supdt., 2nd grade, Great Trigl. Survey, in charge Kumaon and Garhwal Topl. Survey . . . . .	1st Oct. 1870	.....	...
<i>Furlough to Europe for 1 year 11 months and 22 days, from 15th March 1871.</i>				
...	Dy. Supdt., 1st grade, Great Trigl. Survey . . . . .	18th July 1871	.....	...
Mussoorie . . . . .	Dy. Supdt., 1st grade, ditto. Special duty, Great Trigl. Survey Office . . . . .	29th Mar. 1873	.....	...
Dehra Dún . . . . .	Dy. Supdt., 1st grade, Great Trigl. Survey, in charge Dehra Dún and Jaunsar Bhawar Surveys . . . . .	Oct. 1873	.....	...
...	Dy. Supdt., 2nd grade, ditto . . . . .	1st Apl. 1874	Dy. Supdt., 1st grade. Supdt., Great Trigl. Survey . . . . .	1st Apl. 1874.
Mussoorie . . . . .	Ditto ditto . . . . .	...	...	4th Apl. 1876.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Promoted to Major, 7th October 1876.</i>				
Dehra Dún	Dy. Supdt., 2nd grade, Great Trigl. Survey	...	Dy. Supdt., 1st grade.	1st Nov. 1876.
Bangalore	Ditto ditto, in charge Mysore Topl. Survey	15th Mar. 1877	Ditto ditto	...
...	Ditto, Survey of India	1st Jan. 1878	.....	...
Ditto	Dy. Supdt., 1st grade, ditto	27th Oct. 1878	.....	...
<i>Furlough to Europe for 1 year 8 months and 10 days, from 17th November 1879.</i>				
Poona	Dy. Supdt., 1st grade, on special duty	27th July 1881	.....	...
Bangalore	Dy. Supdt., 1st grade, in charge Mysore Topl. Survey	21st Oct. 1881	.....	...
<i>Promoted to Brevet Lieutenant-Colonel, 7th October 1883.</i>				
Calcutta	Dy. Supdt., 1st grade	...	Dy. Surveyor-General, in charge Revenue Branch	5th Mar. 1884.
Ditto	Dy. Surveyor-General, in charge Revenue Branch	1st Oct. 1884	.....	...
Ditto	Ditto ditto	...	Surveyor-General of India	24th Feb. 1886.
<i>Promoted to Lieutenant-Colonel, 12th August 1886.</i>				
Calcutta	Surveyor-General of India	19th Feb. 1887	.....	...
<i>Promoted to Colonel, 7th October 1887.</i>				
<i>Privilege leave for 3 months, from 11th April 1889, and overstayed it by 5 days, from 11th July 1889.</i>				
Calcutta	Surveyor-General of India	16th July 1889	.....	...
<i>Privilege leave for 3 months, from 2nd August 1892, overstayed it by 1 day.</i>				
<i>Extension of office for one year, from 26th March 1893.</i>				
Calcutta	Surveyor-General of India	3rd Nov. 1892	.....	...

**Strahan, Colonel George, R.E.**—Joined the service, 10th December 1858; arrived, 20th November 1860,

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Joined Military College, Addiscombe, 1st February 1857.</i>				
...	2nd Lieutenant, Royal (late Bengal) Engineers	10th Dec. 1858	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from 1st February 1859 till June 1860.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Roorkee	Attached to the Sappers and Miners . . . . .	6th Dec. 1860	.....	...
<i>Employed on the Irrigation Branch, Public Works Department, from March 1861 till 2nd July 1862.</i>				
Central India	Asst. in the Gwalior and Central India Survey . . .	2nd July 1862	.....	...
Rajputana	Asst. Surveyor, in charge No. 7 Party, Rajputana Survey .	1st Sept. 1864	.....	...
<i>Leave on medical certificate for 1 year 7 months and 27 days, from 10th November 1867.</i>				
...	Surveyor, 3rd grade . . . . .	10th Nov. 1867	.....	...
Rajputana	Surveyor, 3rd grade, in charge No. 7 Party, Rajputana Survey . . . . .	14th July 1869	.....	...
...	Dy. Supdt., 3rd grade . . . . .	1st Sept. 1869	.....	...
...	Ditto, 2nd grade . . . . .	26th Oct. 1870	.....	...
<i>Promoted to Captain, 14th January 1871.</i>				
Bangalore	Dy. Supdt., 2nd grade, in charge Mysore Survey . . . . .	1st Oct. 1875	.....	...
<i>Furlough to Europe on private affairs for 1 year 11 months and 15 days, from 1st May 1877.</i>				
Poona	Dy. Supdt., 2nd grade, in charge Khandesh Survey . . . . .	4th June 1879	.....	...
Bangalore	Ditto in charge Mysore Survey . . . . .	1st Nov. 1879	.....	...
<i>Promoted to Major, 27th May 1881.</i>				
Mussoorie	Dy. Supdt., 2nd grade, in charge No. 2 Astrol. Party . . . . .	4th Nov. 1881	.....	...
Calcutta	Dy. Supdt., 2nd grade . . . . .	...	Asst. Surveyor-Genl. . . . .	27th April to 24th July 1883.
Mussoorie	Dy. Supdt., 2nd grade, in charge No. 2 Astrol. Party . . . . .	1st Aug. 1883	.....	...
<i>Furlough to Europe for 1 year 5 months and 26 days, from 7th May 1884.</i>				
...	Dy. Supdt., 1st grade . . . . .	10th Nov. 1884	.....	...
<i>On duty in Europe, from 10th April to 4th August 1885 inclusive (period to count as service, vide Secretary of State's letter No. 231, dated 3rd September 1885).</i>				
Mussoorie	Dy. Supdt., 1st grade, in charge No. 2 Astrol. Party . . . . .	13th Nov. 1885	.....	...
Ditto	Ditto ditto, and in charge Andaman Survey in addition to No. 2 Astrol. Party . . . . .	18th May 1886	.....	...
Ditto	Ditto, in charge Nicobar Survey . . . . .	15th Oct. 1886	.....	...
Ditto	Ditto, in charge No. 23 Party (Astrol.) . . . . .	1st Oct. 1887	.....	...
<i>Promoted to Lieutenant-Colonel, 8th September 1886.</i>				
Calcutta	Dy. Supdt., 1st grade . . . . .	...	Asst. Surveyor-Genl. . . . .	23rd July 1888.
Dehra	Ditto ditto . . . . .	9th Oct. 1888	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Surveyor-Genl., in charge Trigl. Branch . . . . .	15th Nov. 1888.
Ditto	Dy. Surveyor-General, in charge Trigl. Branch . . . . .	12th Oct. 1889	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Promoted to Colonel, 8th September 1890.</i>				
<i>Privilege leave for 3 months, from 27th October 1890, and overstayed it by 2 days.</i>				
Dehra . . .	Dy. Surveyor-General, in charge Trigl. Branch . . .	29th Jan. 1891	.....	...
Calcutta . .	Ditto ditto . . .	...	Surveyor-General of India . . .	2nd Aug. 1892.
Dehra . . .	Ditto ditto . . .	3rd Nov. 1892	.....	...
<i>Privilege leave for 14 days, from 22nd February 1893.</i>				
Dehra . . .	Dy. Surveyor-General in charge Trigl. Branch . . .	8th Mar. 1893	.....	...

*Literary Works.*—Wrote Hand-book of Professional Instructions for the Trigonometrical Branch, Survey of India Department, and the Hand-book of Professional Instructions for the Topographical Branch, Survey of India Department, and superintended the compilations of volumes XI to XV of the Account of the operations of the Great Trigonometrical Survey of India.

**Strahan, Lieutenant-Colonel Charles, R.E.**—Joined the service, 8th June 1860; arrived, October 1862.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Joined Military College, Addiscombe, August 1858.</i>				
...	Lieut., Royal (late Bengal) Engineers . . .	8th June 1860	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from 1st August 1860 to March 1862.</i>				
Central India	Mily. 2nd Asst., attached to Central India Topl. Survey .	26th Sept. 1863	.....	...
<i>Appointed Survey Officer with the Bhutan Field Force in October 1865.</i>				
...	Asst. Surveyor, 1st grade, Topl. Survey . . .	1st Apl. 1866	.....	...
Central India.	Asst. Surveyor, 1st grade, attached to Central India Survey . . .	16th July 1866	.....	...
...	Surveyor, 3rd grade, in charge Central India Survey . . .	1st Dec. 1867	.....	...
...	Dy. Supdt., 3rd grade, Topl. Survey . . .	1st Sept. 1869	.....	...
<i>Furlough to Europe for 1 year 10 months and 26 days, from 2nd December 1871.</i>				
<i>Promoted to Captain, 20th August 1872.</i>				
Central India	Dy. Supdt., 3rd grade, in charge Central India Topl. Survey .	...	Dy. Supdt., 2nd grade, Topl. Survey . . .	4th Jan. 1874.
...	Ditto ditto . . .	1st Apl. 1874	.....	..
...	Ditto ditto . . .	...	Dy. Supdt., 2nd grade, Topl. Survey . . .	1st Feb. 1878.
...	Dy. Supdt., 3rd grade . . .	5th Oct. 1878	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 2nd grade, Topl. Survey . . .	27th Oct. 1878.
...	Ditto ditto . . .	22nd Apl. 1879	.....	...



Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Served as Survey Officer with the Peshawar Field Force in Afghanistan, from March to June 1879.</i>				
...	Dy. Supdt., 3rd grade . . .	...	Dy. Supdt., 2nd grade, Topl. Survey . . .	1st Nov. 1879.
Dehra . . .	Ditto ditto . . .	14th Mar. 1880	.....	...
<i>Furlough to Europe for 6 months and 15 days, from 27th March 1880.</i>				
Rajputana . . .	Dy. Supdt., 3rd grade, in charge Rajputana Survey . . .	11th Oct. 1880	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 2nd grade	18th Oct. 1880.
<i>Promoted to Brevet-Major, 2nd March 1881.</i>				
<i>Promoted to Major, 1st July 1881.</i>				
Calcutta . . .	Dy. Supdt., 3rd grade . . .	...	Asst. Surveyor-General	24th July 1883.
Ditto . . .	Dy. Supdt., 2nd grade . . .	10th Jan. 1884	Ditto . . .	...
Ditto . . .	Dy. Supdt., 2nd grade, and Asst. Surveyor-General . . .	23rd May 1884	.....	...
Ditto . . .	Ditto ditto . . .	...	Dy. Supdt., 1st grade	3rd Dec. 1884.
<i>On Special Duty to Madras, from 18th April to 4th May 1886.</i>				
<i>Furlough to Europe for 1 year 5 months and 20 days, from 4th May 1886.</i>				
Calcutta . . .	Dy. Supdt., 2nd grade, and Asst. Surveyor General . . .	24th Oct. 1887	.....	...
<i>Promoted to half-pay Lieutenant-Colonel, 1st July 1888.</i>				
Calcutta . . .	Dy. Supdt., 2nd grade, and Asst. Surveyor-General . . .	...	Dy. Supdt., 1st grade	1st Nov. 1888.
Ditto . . .	Dy. Supdt., 1st grade, and Asst. Surveyor-General . . .	26th Apl. 1889	.....	...
Ditto . . .	Ditto ditto . . .	...	Dy. Surveyor-General, in charge Revenue Branch . . .	11th Apl. 1889.
Ditto . . .	Dy. Supdt., 1st grade, and Asst. Surveyor-General . . .	16th July 1889	.....	...
Ditto . . .	Ditto ditto . . .	...	Dy. Surveyor-General, in charge Revenue Branch . . .	26th Oct. 1889.
<i>Promoted to Regimental Lieutenant-Colonel, 10th December 1889.</i>				
Calcutta . . .	Dy. Surveyor-General, in charge Revenue Branch (Sub. <i>pro</i> <i>tem.</i> ) . . .	2nd Apl. 1891	.....	...
Ditto . . .	Ditto ditto (confirmed) . . .	1st July 1892	.....	...

*War Services.*—Served with the Bhutan Field Force, in charge of reconnoitring party under General Tytler, from October 1865 to 16th July 1866—Medal; served with the Peshawar Field Force in Afghanistan, under Sir Samuel Brown, from March 1879 to end of first campaign in June 1879—Medal and mentioned in despatches—Brevet of Major.


**Wilkins, Colonel William Henry, I.S.C.**—Joined the service, 12th December 1857; arrived, 28th January 1858.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	2nd Lieut., Bengal Artillery .	12th Dec. 1857	.....	...
...	1st Lieutenant . . . . .	27th Aug. 1858	Commanded 1st Company, 5th Battalion, Bengal Artillery, with Heavy Battery and Park of Artillery for 6 months during 1859	...

*Joined Thomason Civil Engineering College, Roorkee, 12th March 1861, and obtained 1st class certificate, etc., 27th August 1862.*

*General leave in India for 5 months and 10 days, from 1st November 1862.*

Agra . . .	Comrander, Fort Garrison Battery . . . . .	11th Apl. 1863	.....	...
Fyzabad . .	Probationary Asst. Surveyor (Fyzabad Revenue Survey) .	11th May 1863	.....	...
...	Asst. Surveyor . . . . .	11th May 1864	.....	...

*Appointed to Bengal Staff Corps, 11th May 1864.*

Hoshangabad .	Asst. Surveyor, 1st Divn., Central Provinces Revenue Survey . . . . .	13th Nov. 1864	.....	...
...	Asst. Surveyor, 2nd grade .	1st Apl. 1866	.....	...
Seoni . . .	Asst. Surveyor, 1st grade .	27th Apl. 1867	.....	...
Chhindwara .	Asst. Supdt., 1st grade .	1st Sept. 1869	.....	...

*Promoted to Captain, 12th December 1869.*

Chhindwara .	Asst. Supdt., 1st grade, in charge 1st Divn., C. P. Survey .	3rd Aug. 1870	.....	...
Ditto . . .	Asst. Supdt., 1st grade . . .	...	Dy. Supdt., 3rd grade	13th May 1871.
Kurnal . . .	Ditto, 2nd Divn., Punjab Revenue Survey . . . . .	1st July 1871	Ditto ditto	...
...	Asst. Supdt., 1st grade . . .	25th Sept. 1871	.....	...
...	Ditto in charge 2nd Divn. .	20th Oct. 1871	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	18th Jan. 1872.
Delhi . . .	Ditto ditto . . . . .	4th Mar. 1872	.....	...
Gurgaon . .	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	28th Mar. 1872.
Midnapur . .	Ditto in charge Midnapur Revenue Survey . .	1st Dec. 1876	Ditto ditto	...
Saharanpore .	Ditto, in charge Meerut Divn. Survey . . . . .	7th Dec. 1877	Ditto ditto	...

*Promoted to Major, 12th December 1877.*

Saharanpore .	Dy. Supdt., 3rd grade, in charge Meerut Divn. Survey . . .	27th Oct. 1878	.....	...
Bassein . . .	Dy. Supdt., 3rd grade, in charge Bassein Dist. (British Burma) Cadastral Survey . . . . .	25th Nov. 1881	.....	...

*Furlough to Europe for 280 days, from 8th June 1883.*

*Promoted to Lieutenant-Colonel, 12th December 1883.*

Calcutta . .	Dy. Supdt., 3rd grade, attached to Head Quarters office .	14th Mar. 1884	.....	...
Ditto . . .	Ditto . . . . .	...	Dy. Supdt., 2nd grade	7th Aug. 1884.
Raipore . . .	Dy. Supdt., 3rd grade, in charge No. 3 Party, C. P. Survey .	4th Nov. 1885	Ditto ditto	...
Ditto . . .	Dy. Supdt., 2nd grade . . .	1st Jan. 1887	.....	...

*Promoted to Colonel, 12th December 1887.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Jalpaiguri	Dy. Supdt., 2nd grade, in charge No. 4 Party (Western Dooars)	6th Nov. 1889	.....	...
...	Ditto ditto	...	Dy. Supdt., 1st grade	1st Dec. 1889.
<i>Privilege leave for 3 months, from 6th June 1890.</i>				
Calcutta	Dy. Supdt., 2nd grade, attached to Head Quarters office	10th Sept. 1890	Dy. Supdt., 1st grade	...
Ditto	Dy. Supdt., 2nd grade	...	Asst. Surveyor-Genl.	10th Oct. 1890.
Ditto	Dy. Supdt., 1st grade	19th Feb. 1891	Ditto	...
Ditto	*Supdt., 1st grade	18th Aug. 1892	Ditto	...
Ditto	Ditto and Asst. Surveyor General	1st Sept. 1892	...	...

*War Services.*—Served with the Cawnpore Field Force during February and March 1858.

**Sandeman, Lieutenant-Colonel John Edward, I.S.C.**—Joined the service,  
7th June 1861; arrived, October 1861.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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*Joined the Royal Military College at Addiscombe in 1860.*

...	Ensign, Bengal Infantry	7th June 1861	.....	...
...	Ditto attached to H. M.'s 90th Light Infantry	Oct. 1861	.....	...

*Promoted to Lieutenant, 19th May 1862.*

*Leave in India on private affairs for 1 month and 28 days, from 15th December 1862.*

*Joined the Civil Engineering College at Roorkee, March 1863, and in September 1864 passed the College final examination, and obtained certificate qualifying for employment as an Engineer in the Department of Public Works.*

Nagpore	Asst. Surveyor (on probn.)	6th Oct. 1864	.....	...
Oudh	Asst. Surveyor, 2nd Divn., Oudh Survey	17th Feb. 1866	.....	...
Punjab	Ditto, N.-W. Survey Party	18th Nov. 1866	.....	...

*Joined the Bengal Staff Corps, 9th May 1867.*

Punjab	Asst. Supdt., 2nd grade, N.-W. Survey Party	1st Sept. 1869	.....	...
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*Furlough to Europe for 1 year 11 months and 3 days, from 14th March 1870.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Nagpore	Asst Supdt., 1st grade, 2nd Divn.	21st Feb. 1872	.....	...
...	Ditto, C. P. Survey, in charge 2nd Divn. Survey	19th June 1872	.....	...
Moradabad	Asst. Supdt., 1st grade, Moradabad Cadastral Survey	1st Oct. 1872	.....	...
Midnapur	Ditto, in charge Midnapur Survey	21st Mar. 1873	.....	...
<i>Promoted to Captain, 7th June 1873.</i>				
Goalpara	Asst. Supdt., 1st grade, Goalpara Survey, Assam	30th Dec. 1873	.....	...
Arrah	Asst. Supdt., 1st grade, Soane Irrigation Survey	1st Oct. 1874	.....	...
Darjeeling	Asst. Supdt., 1st grade, in charge Darjeeling Waste Lands Survey	1st Oct. 1875	.....	...
Hazaribagh	Ditto ditto, in charge Dhanwar Estate Survey	1st Dec. 1875	.....	...
Ditto	Asst. Supdt., 1st grade, in charge Dhanwar Estate Survey	...	Dy. Supdt., 3rd grade	15th May 1876.
Ranchi	Ditto ditto	8th Nov. 1876	.....	...
...	Ditto ditto	...	Dy. Supdt., 3rd grade	14th July 1877.
Bangoon	Asst. Supdt., 1st grade, in charge British Burma Cadastral Survey	1st Dec. 1878	Dy. Supdt., 3rd grade	...
Ditto	Dy. Supdt., 3rd grade, in charge British Burma Cadastral Survey	1st Jan. 1879	.....	...
<i>Promoted to Major, 7th June 1881.</i>				
<i>Furlough to Europe for 1 year 2 months and 22 days, from 9th August 1881.</i>				
Calcutta	Dy. Supdt., 3rd grade, on duty Head Quarters Office	4th Nov. 1882	.....	...
Gorakhpur	Dy. Supdt., 3rd grade, in charge Gorakhpur District Cadastral Survey, N.-W. P.	1st Nov. 1883	...	...
Ditto	Ditto ditto	...	Dy. Supdt., 2nd grade	24th Sept. 1884.
Ditto	Dy. Supdt., 2nd grade, in charge Gorakhpur District Cadastral Survey, N.-W. P.	19th Feb. 1887	.....	...
<i>Promoted to Lieutenant-Colonel, 7th June 1887.</i>				
<i>Privilege leave for 3 months, from 11th July 1887, and overstayed it by 3 days, from 11th October 1887.</i>				
Naini Tal	Dy. Supdt., 2nd grade, in charge No. 5 Party (N.-W. P.)	...	Dy. Supdt., 1st grade	31st Oct. 1890.
Ditto	Dy. Supdt., 1st grade, in charge No. 5 Party (N.-W. P.)	31st Mar. 1891	.....	...
<i>Privilege leave for 3 months, from 30th June 1891.</i>				
Naini Tal	Dy. Supdt. 1st grade, in charge No. 5 Party (N.-W. P.)	1st Oct. 1891	.....	...
Cuttack	Ditto in charge No. 8 Party (Orissa).	28th Nov. 1891	.....	...
Calcutta and Cuttack.	Ditto on Special duty	12th Jan. 1892	.....	...
Bengal	Ditto ditto	8th Mar. 1892	.....	...
Ditto	Ditto and Director of Bengal Surveys	1st April 1892	.....	...
<i>Furlough out of India on private affairs for 6 months, from 18th April 1892.</i>				
...	Supdt., 1st grade, and Director of Bengal Surveys	18th Aug. 1892	.....	...
Bengal.	Ditto ditto	20th Oct. 1892	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>War Services.</i> —Served with the Black Mountain Expedition in Hazara under Major-General Alfred Wilde, from 15th August to 31st October 1868; was present at the advance from Munna Kaduna, and the taking of the Machai peak; assisted in surveying the route taken by the force and the surrounding country, under the direction of Colonel H. C. Johnstone, and compiled a map of the same—received the Frontier Medal.				

**Holdich, Brevet-Colonel Thomas Hungerford, R.E.**—Joined the service, 17th December 1862; arrived, 3rd March 1865.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, R.E. . . . .	17th Dec. 1862	.....	...
	Posted to the Indian Establishment	Oct. 1864	.....	...
Bhutan . . .	Asst. to Officer in charge Field Survey Operations . . . .	1st Oct. 1865	.....	...
Rajputana . .	Asst. Surveyor, 2nd grade, Topl. Survey of India, Rajputana Party . . . . .	23rd July 1866	.....	...

*Served with the Survey Party attached to the Abyssinian Expedition, from 1st November 1867 to June 1868.*

*On Special Duty in England, from June 1868 to May 1869.*

...	Asst. Surveyor, 1st grade . . . .	15th Dec. 1868	.....	...
Indore . . .	Asst. Surveyor, 1st grade, Gwalior and Central India Topl. Survey . . . . .	4th May 1869	.....	...
Ditto . . .	Asst. Supdt., 1st grade, ditto	1st Sept. 1869	.....	...
Ditto . . .	Ditto, in charge of above survey	1st Nov. 1871	.....	...
Ditto . . .	Asst. Supdt., 1st grade, Gwalior and Central India Topl. Survey . . . . .	...	Dy. Supdt., 3rd grade	11th Aug. 1873.
Ditto . . .	Ditto ditto . . . . .	3rd Nov. 1873	.....	...
...	Asst. Supdt., 1st grade, in charge Vizagapatam Agency and Central Provinces Survey . . . . .	15th Dec. 1873	Dy. Supdt., 3rd grade	15th Dec. 1873.

*Promoted to Captain, 4th June 1876.*

*Furlough to England for 2 years, from 14th May 1877; recalled for service in December 1878.*

*Served as Survey Officer with the Southern Afghanistan Field Force, from 15th January to 17th April 1879; and with the Northern Afghanistan Field Force, from November 1879 to September 1880.*

Station.	Substantive Appointment.	Date.	Officiating Appoint- ment.	Date.
...	Asst. Supdt., 1st grade	...	Dy. Supdt., 3rd grade	15th Jan. 1879.
...	Ditto ditto	13th June 1879	.....	...
...	Ditto ditto	...	Dy. Supdt., 3rd grade	1st Nov. 1879.

*Promoted to Brevet-Major, 2nd March 1881.*

*Special leave to England for 3 months, from 1st November 1880, and overstayed it by 9 days, from 27th January 1881.*

Kohat . . .	Asst. Supdt., 1st grade, in charge Kohat District Topl. Survey . . . . .	15th Feb. 1881	Dy. Supdt., 3rd grade	15th Feb. 1881.
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*Served as Survey Officer with the Waziri Expedition in March 1881.*

Kohat . . .	Dy. Supdt., 4th grade, in charge Kohat District Topl. Survey . . . . .	1st July 1882	Dy. Supdt., 3rd grade	...
Ditto . . .	Dy. Supdt., 3rd grade, ditto	29th Apl. 1883	.....	...
Baluchistan . .	Dy. Supdt., 3rd grade, in charge Baluchistan Survey .	Oct. 1883	.....	...

*Furlough to Europe for 1 year, from 8th March 1884; recalled for service with the Zhob Valley Expedition in July 1884.*

*Elected for continuous Indian Service, 10th September 1886.*

*On Special Duty in charge of Survey Party attached to the Afghan Boundary Commission, from 18th August 1884 to 1st November 1886.*

...	Dy. Supdt., 3rd grade . . . . .	16th Sept. 1884	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	3rd Dec. 1884.
...	Ditto ditto . . . . .	7th Nov. 1885	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	21st Apl. 1886.
...	Ditto ditto . . . . .	20th Nov. 1886	.....	...

*Detached for Special Duty in connection with the defences of Herat during the summer of 1885. Returned to India via the Hindu Kush and Kabul, arriving at Peshawur 1st November 1886, after completing a Geographical Survey from Quetta to Kabul. Services specially commended and received Brevet of Lieutenant-Colonel, 16th February 1887.*

*On duty at India Office, from 25th November 1886 to 25th March 1887.*

*Furlough on medical certificate for 1 year and 21 days, from 25th March 1887.*

Dehra Dûn. . .	Dy. Supdt., 3rd grade, in charge Drawing Office, Trigl. Branch . . . . .	14th Apl. 1888	.....	...
Ditto . . .	Dy. Supdt., 3rd grade, in charge Drawing Office, Trigl. Branch . . . . .	...	Dy. Supdt., 2nd grade	17th July 1886.
Quetta . . .	In charge No. 15 Baluchistan Party . . . . .	3rd Nov. 1888	Ditto ditto	...
Dehra Dûn . .	Dy. Supdt., 2nd grade, ditto	26th Mar. 1889	.....	...
Quetta . . .	Ditto in charge No. 15 Baluchistan Party and Simla Drawing Office . . . . .	10th Feb. 1890	.....	...

*On Special Duty as Survey Officer with Zhob Expedition, 1889.*

*Placed on half-pay as Lieutenant-Colonel, 17th December 1889.*

*On Special Duty as Survey Officer with Zhob Field Force, from 1st October to 30th November 1890.*

...	Dy. Supdt., 2nd grade . . . . .	...	Dy. Supdt., 1st grade	14th Mar. 1891.
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Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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*Furlough to England for 6 months, from 17th April 1891.*

...	Dy. Supdt., 1st grade (sub. <i>pro tem.</i> )	2nd Apl. 1891	.....	...
Quetta . . .	Ditto in charge No. 15 Party (Baluchistan) and Simla Drawing Office . . .	16th Oct. 1891	.....	...

*Promoted to Brevet-Colonel, 1st September 1891.*

...	Dy. Supdt., 1st. grade (confirmed)	1st July 1892	.....	...
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*Made over temporary charge of Simla Drawing Office, 26th July 1892.*

Quetta . . .	Dy. Supdt., 1st grade, in charge No. 15 Party (Baluchistan) and Simla Drawing Office . . .	10th Aug. 1892	.....	...
Ditto . . .	Supdt., 1st grade, and ditto . . .	18th Aug. 1892	.....	...

*Made over charge of Simla Drawing Office 8th November 1892.*

**War Services.**—Served on special duty during the Bhutan Campaign from October 1865 to close of campaign; present with the Buxa Column to its furthest advance, and subsequently with the Dewangiri Column; despatches not published—Frontier Medal and Clasp for Bhutan; served on Special Survey duty during the Abyssinian Campaign from December 1867 to close of campaign; mentioned in despatches, and services commended by Secretary of State for War—Medal. Served on Special Survey duty during the first period of the Afghan Campaign in South Afghanistan; completed the Topographical Survey of the Kandanai Valley and the route from Peshin to India *via* Thal Chotiali; mentioned in despatches; services commended by Governor General in Council and Secretary of State for India—Afghan Medal and Brevet-Majority; appointed to charge of Survey operations in Northern Afghanistan during second period of campaign. Present at Kabul during the winter of 1879-80; siege and defence of Sherpur and actions near the city. Appointed Assistant Field Engineer during the defence; mentioned in despatches. Present during the occupation of Lugman Valley; expeditions to Kohistan, Logar, Wardak, etc.—Medal with Clasp for Kabul; services commended by Governor General in Council and Secretary of State for India—Clasp for Sherpur, Brevet-Major March 1881. Served in charge of Survey operations during the Waziri Expedition of 1881; present during skirmish when Survey Party was attacked on Shaidar Mountain; mentioned in despatches. In charge of Survey Party on Takht-i-Suliman Survey Expedition, December 1883; led the flanking party up the mountain by night, which dispersed the Kedarzais, who held the summit. In charge of Survey operations during the Zhob-Gomal Expedition of 1889-90, when the Gomal pass was opened to India. Served with Zhob and Sherani Expedition, 1890. Brevet-Colonel, 1st September 1891.

**Literary Work.**—Contributed to the records of the Royal Geographical Society and to the Encyclopædia Britannica on the subject of the geography of Afghanistan and the Indian frontier; contributed occasional papers to the Journal of the Royal United Service Institute, of which the principal was a paper read in 1878, advocating instruction in Indian and Continental methods of topography at the military schools of England; instruction in the use of the plane-table being now universal; occasional papers to magazines, etc., lectures on Geographical Surveying at Royal Engineers' Institute, Chatham. Received the Gold Medal of the Royal Geographical Society for Afghan Boundary Commission Surveys in May 1887.

**Waterhouse, Colonel James, I.S.C.**—Joined the service, 10th June 1859; arrived, 11th October 1859.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Meerut and Saugor . . .	2nd Licut., Bengal Artillery . . .	10th June 1859	.....	...

*On Special Duty under Foreign Department, from 16th January to 20th December 1862.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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*Received the thanks of Government for services.*

*Leave to study Native languages, 20th April to 31st July 1863.*

Allahabad	Lieutenant, Bengal Artillery	...	Commissary of Ordnance, 3rd class	13th Apl. 1866.
...	Asst. Revenue Surveyor, Lower Provinces	27th June 1866	.....	...
Calcutta	Asst. Surveyor attached to the Office of the Surveyor-Genl. of India, in charge Photo-Zinco. Office	22nd July 1866	.....	...

*Leave on medical certificate to Europe for 1 year 10 months and 24 days, from 25th March 1867.*

Calcutta	Re-appointed Asst. Surveyor, 2nd grade, attached to the Office of the Surveyor-Genl. of India	17th Feb. 1869	.....	...
Ditto	Asst. Supdt., 2nd grade, attached to the Office of the Surveyor-Genl. of India	1st Sept. 1869	.....	...

*Appointed to Bengal Staff Corps, 9th October 1869, with effect from 27th June 1866.*

Calcutta	Asst. Supdt., 1st grade, attached to the Office of the Surveyor-Genl. of India	17th June 1870	.....	...
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*Promoted to Captain, 10th June 1871.*

*Served with the Indian Eclipse Expedition, from 21st November 1871 to 8th January 1872.*

Calcutta	Asst. Surveyor-Genl.	1st Apl. 1874	.....	...
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*Attached to the Expedition for observing the Transit of Venus, from 10th October 1874 to 1st January 1875.*

*In charge Indian Eclipse Expedition to Nicobar Islands, from 11th March to 18th April 1875.*

*Received the thanks of Government for his services.*

Calcutta	Asst. Supdt., 1st grade, and Asst. Surveyor-Genl.	...	Dy. Supdt., 3rd grade	26th Mar. 1875.
Ditto	Ditto ditto	19th Sept. 1876	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	23rd Nov. 1877.
Ditto	Ditto ditto	7th Jan. 1878	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	1st Feb. 1878.

*Privilege leave for 3 months, from 9th July 1878.*

*On Special Duty in Europe, from 10th October to 8th November 1878.*

Calcutta	Asst. Supdt., 1st grade, and Asst. Surveyor-Genl.	...	Dy. Supdt., 3rd grade	9th Nov. 1878.
Ditto	Ditto ditto	6th May 1879	.....	...

*Promoted to Major, 10th June 1879.*

Calcutta	Asst. Supdt., 1st grade, and Asst. Surveyor-Genl.	...	Dy. Supdt., 3rd grade	1st Nov. 1879.
...	Ditto ditto	12th Dec. 1879	.....	...

*Furlough to Europe on private affairs for 2 years and 9 days, from 13th December 1879. (9 days were spent on duty).*



Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Calcutta	Asst. Supdt., 1st grade, and Asst. Surveyor-Genl., in charge Photo-Zinco. Office .	...	Dy. Supdt., 3rd grade	26th Dec. 1881.
Ditto	Dy. Supdt. (new), 4th grade, and Asst. Surveyor-Genl., in charge Photo-Zinco. Office .	1st July 1882	Ditto ditto	...
Ditto	Ditto ditto .	1st Apl. 1883	Ditto ditto	...
Ditto	Dy. Supdt., 3rd grade, and Asst. Surveyor-General, in charge Photo-Zinco. Office .	10th Jan. 1884	.....	...
Ditto	Ditto ditto .	13th Jan. 1884	.....	...
Ditto	Ditto ditto .	...	Dy. Supdt., 2nd grade	3rd Dec. 1884.
Ditto	Ditto ditto .	7th Nov. 1885	.....	...

*Promoted to Lieutenant-Colonel, 10th June 1885.*

*Privilege leave for 2 months and 24 days, from 20th July 1885.*

*Furlough to Europe for 8 months and 23 days, from 21st March 1886.*

Calcutta	Dy. Supdt., 3rd grade, and Asst. Surveyor-Genl., in charge Photo-Litho. Office .	17th Dec. 1886	.....	...
Ditto	Ditto ditto .	...	Dy. Supdt., 2nd grade	1st Jan. 1887.
Ditto	Ditto ditto .	24th Oct. 1887	.....	...
Ditto	Ditto ditto .	...	Dy. Supdt., 2nd grade	1st Sept. 1888.
Ditto	Dy. Supdt., 2nd grade, and Asst. Surveyor-Genl., in charge Photo-Litho. Office .	26th Apl. 1889	.....	...

*Promoted to Colonel, 10th June 1889.*

*Privilege leave for 2 months and 26 days, from 9th September 1889.*

Calcutta	Dy. Supdt., 2nd grade, and Asst. Surveyor-General, in charge Photo-Litho. Office .	5th Dec. 1889	Dy. Supdt., 1st grade	10th Apl. 1891.
Calcutta	Dy. Supdt., 2nd grade, and Asst. Surveyor-Genl., in charge Photo-Litho. Office .	12th Nov. 1891	.....	...
Ditto	Ditto ditto .	...	Dy. Supt., 1st grade	15th Apl. 1892.
Ditto	Supdt., 1st grade, ditto .	18th Aug. 1892	Supdt., 1st grade	18th Aug. 1892.
Ditto	Ditto ditto .	20th Oct. 1892	.....	...

*Literary Works.*—Wrote a report on the Cartographic applications of photography as used in the Topographical Departments of the principal States in Central Europe, containing notes on the European and Indian surveys, and on the application of photography on surveying; published by the Superintendent, Government Printing, Calcutta, 1870. Hand-book of Topographical Drawing, in two parts, photo-zincographed and published at the Surveyor-General's Office, Calcutta. Pamphlet on "Application of Photography to the Reproduction of Maps and Plans by Photo-mechanical and other processes," originally submitted to the Geographical Congress at Paris in 1875, but published *in extenso* in the Journal of the Asiatic Society of Bengal, Part II, No. 2, 1878; also papers relating to Surveys in Afghanistan, Tidal Surveys, Spectroscopic Photography and Photo-mechanical Printing in Asiatic Society's Journal. Published a series of papers on Photo-zincography in the "Photographic News," 1881-84; also other papers on Photographic subjects in other Photographic Journals. Wrote "Practical Notes on the Preparation of Drawings for Photographic Reproduction," published by Trübner & Co., London, 1890. Awarded Progress Medal for 1891 by the Photographic Society of Great Britain.

**Rogers, Lieutenant-Colonel Malcolm William R.E.**—Joined the service, 18th December 1861 ; arrived, 20th October 1865.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engrs. . . .	18th Dec. 1861	.....	...
<i>On duty at the Royal Engineering Establishment, Chatham, from February 1862 to March 1864.</i>				
<i>Served as Divisional Officer, Cork, Ireland, from March 1864 to July 1865.</i>				
...	Posted to the Indian Establishment . . . . .	17th Sept. 1865	.....	...
Roorkee .	Attached to the Sappers and Miners . . . . .	Nov. 1865	.....	...
Dehra Dun .	Asst. Surveyor, 2nd grade, Great Trigonometrical Survey . . . . .	5th July 1866	.....	..
Ditto .	Asst. Surveyor, 1st grade, Great Trigonometrical Survey . . . . .	5th Dec. 1868	.....	...
Bangalore .	Asst. Supdt., 1st grade, ditto . . . . .	1st Sept. 1869	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	18th Dec. 1870.
Poona .	Ditto ditto . . . . .	1st Nov. 1872	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	6th Apl. 1873.

*Furlough on private affairs for 11 months and 28 days, from 1st November 1873. (A period of 94 days was spent on duty at Chatham.)*

*Promoted to Captain, 11th December 1873.*

Mount Abu .	Asst. Supdt., 1st grade, Great Trigonometrical Survey . . . . .	...	Dy. Supdt., 3rd grade	28th Oct. 1874.
...	Ditto ditto . . . . .	1st Jan. 1878	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	15th Feb. 1878.
...	Ditto ditto . . . . .	26th Apl. 1879	.....	...
..	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	12th Dec. 1879.

*Served as Survey officer with the Southern Afghanistan Field Force, from 12th November 1878 to November 1879.*

*Furlough to Europe for 1 year 1 month and 13 days, from 1st May 1880. (A period of 132 days was spent on duty at Chatham.)*

*Promoted to Brevet-Major, 2nd March 1881.*

*Promoted to Major, 18th December 1881.*

...	Asst. Supdt., 1st grade . . . . .	14th June 1881	Dy. Supdt., 3rd grade	14th June 1881.
Poona .	Dy. Supdt., 4th grade, Great Trigonometrical Survey . . . . .	1st July 1882	Dy. Supdt., 3rd grade	...
Calcutta .	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade, and Asst. Surveyor-Genl. in charge Correspondence and Accounts Sections, Hd.-Qrs. Office and Mathl. Instmt. Office	19th Apl. 1883.
Ditto .	Dy. Supdt., 4th grade, and Asst. Surveyor-Genl. . . . .	23rd May 1884	Dy. Supdt., 3rd grade	...
...	Dy. Supdt., 3rd grade, and Asst. Surveyor-Genl. . . . .	7th Aug. 1884	.....	...

*Furlough to Europe for 1 year and 182 days, from 21st March 1886.*

*Elected for continuous Indian service, 11th August 1886.*

Dehra Dun .	Dy. Supdt., 3rd grade, attached to Trigonometrical Branch Office . . . . .	26th Sept. 1887	.....	...
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Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dun .	Dy. Supdt., 3rd grade, in charge Computing Party .	6th Jan. 1888	.....	...
Poona .	Ditto, attached to No. 25 Party (Tidal and Levelling)	10th Apl. 1888	.....	...
Ditto .	Ditto, in charge No. 25 Party (Tidal and Levelling)	16th May 1888	.....	...
Ditto .	Ditto ditto .	...	Dy. Supdt., 2nd grade	1st Nov. 1888.

*Promoted to half-pay Lieutenant-Colonel, 18th December 1888.*

Calcutta .	Dy. Supdt., 3rd grade, and Asst. Surveyor-Genl. .	7th May 1889	Dy. Supdt., 2nd grade	...
Ditto .	Dy. Supdt., 2nd grade, and Asst. Surveyor-Genl. .	28th June 1889	.....	...

*Regimental Lieutenant-Colonel, 5th December 1890.*

Calcutta .	Dy. Supdt., 2nd grade, and Asst. Surveyor-Genl. .	...	Dy. Supdt., 1st grade	7th May 1891.
Ditto .	Ditto ditto .	16th Oct. 1891	.....	...

*Privilege leave for 1 month and 19 days, from 5th May 1892.*

Calcutta .	Dy. Supdt., 2nd grade, and Asst. Surveyor-Genl. .	24th June 1892	.....	...
Ditto .	Supdt., 2nd grade and ditto .	18th Aug. 1892	.....	...

*Special leave for 6 months, from 19th April 1893.*

*War Services.*—Served as Survey Officer with the 1st Division of the Quetta Field Force under Lieutenant-General D. Stewart, C.B., from 12th November 1878 to November 1879; mentioned in despatches—Medal—Brevet of Major.

**Hill, Lieutenant-Colonel John, R.E.**—Joined the service, 25th June 1862; arrived, 10th December 1865.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
..	Lieutenant, Royal Engineers .	25th June 1862	.....	...
...	Posted to the Indian Establishment	10th Aug. 1865	.....	...
...	Landed in India . . . .	10th Dec. 1865	.....	...
Roorkee .	Attached to Sappers and Miners	27th Jan. 1866	.....	...
Dehra .	Asst. Surveyor, 2nd grade, Great Trigonometrical Survey	4th Dec. 1866	.....	...
Kumaon .	Ditto, 2nd grade, Kumaon and Garhwal Survey .	28th Dec. 1866	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Leave on medical certificate for 353 days, from 11th November 1868.</i>				
...	Asst. Supdt., 2nd grade	1st Sept. 1869	.....	...
Kumaon	Asst. Supdt., 2nd grade, Great Trigonometrical Survey, Kumaon and Garhwal	31st Oct. 1869	.....	...
Ditto	Ditto, 1st grade, ditto	30th Oct. 1870	.....	...
Ditto	Ditto, in charge of ditto	11th Feb. 1871	.....	...
Ditto	Ditto, ditto	...	Dy. Supdt., 3rd grade	1st Apl. 1871.
Ditto	Ditto, ditto	4th Apl. 1872	.....	...
Ditto	Ditto, ditto	...	Dy. Supdt., 3rd grade	23rd Aug. 1873.
<i>Relieved of charge of Kumaon and Garhwal Survey, 1st October 1873.</i>				
Mount Abu	Asst. Supdt., 1st grade, in charge Bombay Party	28th Oct. 1873	.....	...
<i>Local Captain, 25th June 1874.</i>				
...	Asst. Supdt., 1st grade	28th Oct. 1874	.....	...
<i>Furlough to Europe for 2 years, from 28th January 1875.</i>				
<i>Promoted to Captain, 16th September 1875.</i>				
Tavoy	Asst. Supdt., 1st grade, in charge Eastern Frontier Series	17th Mar. 1877	.....	...
Siam	Ditto ditto	...	Dy Supdt., 3rd grade	1st Apl. 1878.
Ditto	Ditto ditto	22nd Apl. 1879	.....	...
<i>Leaves to Europe for 153 days, from 25th July to 25th December 1879, on medical certificate, without furlough pay.</i>				
Siam	Asst. Supdt, 1st grade, in charge Eastern Frontier Series	25th Dec. 1879	.....	...
Ditto	Asst. Supdt., 1st grade, in charge Eastern Frontier Series	...	Dy Supdt, 3rd grade	9th Apl. 1880.
...	Ditto additional charge of Burma Party	16th June 1880	.....	...
...	Ditto in charge Tidal and Levelling operations	18th Sept. 1881	.....	...
...	Ditto in charge Eastern Frontier Series	16th Apl. 1882	.....	...
...	Ditto in charge Konkan Party	June 1882	.....	...
<i>Promoted to Major, 25th June 1882.</i>				
Poona	Dy. Supdt., 4th grade, in charge Konkan Party	1st July 1882	Dy. Supdt., 3rd grade	...
Ditto	Ditto ditto	9th Jan. 1883	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	12th Feb. 1883.
Ditto	Ditto, in charge Tidal and Levelling Operations and Konkan Party	4th Apl. 1884	Dy. Supdt., 3rd grade	...
<i>Relinquished charge of Konkan Party, 5th May 1884, and of Tidal and Levelling Operations, 19th August 1884.</i>				
...	Dy Supdt., 4th grade, attached to Afghan Boundary Commission	1st Sept. 1884	Dy. Supdt., 3rd grade	...
...	Ditto ditto, 3rd grade, attached to Afghan Boundary Commission	1st Oct. 1884	.....	...
Poona	Ditto ditto in charge Konkan Topographical Survey	2nd Oct. 1884	.....	...

Station.	Substantive Appointment	Date.	Officiating Appointment.	Date.
Poona	Dy. Supdt., 3 grade, in charge Tidal and Levelling Party	6th July 1885	.....	...
...	Ditto ditto in charge South Mahratta Topographical Survey	23rd Oct. 1885	.....	...
Poona	Ditto ditto attached to Tidal and Levelling Party	29th Dec. 1885	.....	...
Ditto	Ditto ditto in charge Tidal and Levelling Party	20th Jan. 1886	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 2nd grade	22nd Apl. 1886.
<i>Elected for continuous Indian service, 4th May 1886.</i>				
Poona	Dy. Supdt., 3rd grade, in charge Tidal and Levelling Party	1st Sept. 1886	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 2nd grade	20th Nov. 1886.
Ditto	Ditto ditto	9th Dec. 1886	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 2nd grade	15th May 1887.
Ditto	Ditto ditto	30th Aug. 1887	.....	...
<i>Furlough to Europe for 2 years and 6 months, from 18th May 1888 to 17th November 1890.</i>				
<i>Promoted to Lieutenant-Colonel, half-pay, 25th June 1889.</i>				
...	Dy. Supdt., 2nd grade	1st Oct. 1890	.....	...
Poona	Ditto in charge No. 25 Party (Tidal and Levelling)	18th Nov. 1890	.....	...
Ditto	In charge No. 10 Party (Bombay Topographical) in addition to charge of Tidal and Levelling operations	9th June to 20th Oct. and from 31st Oct. to 13th Nov. 1891.	.....	...
<i>Regimental Lieutenant-Colonel, 1st August 1891.</i>				
Poona	Supdt., 2nd grade, in charge No. 25 Party (Tidal and Levelling)	18th Aug. 1892	.....	...

**McCullagh, Lieutenant-Colonel James Robert, R.E.**—Joined the service, 18th December 1861; arrived, 20th October 1865.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Engineers	18th Dec. 1861	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from February 1862 to June 1864.</i>				
<i>Joined at Belfast, June 1864.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Posted to the Indian Establishment	19th Sept. 1865	.....	...
Roorkee	Attached to Bengal Sappers and Miners	27th Oct. 1865	.....	...
...	Ditto ditto	...	Doing Duty Officer	27th Jan. 1866.
Peshawar	Command of detachment, 1st and 3rd Companies, Bengal Sappers and Miners	30th Apl. 1866	.....	...
Roorkee	Doing Duty Officer, Sappers and Miners	4th July 1867	.....	...
Ditto	Doing Duty Officer	...	Adjutant and 2nd-in-Command, Bengal Sappers and Miners	17th Apl. 1868.
...	Appointed to P. W. D.	6th Nov. 1868	.....	...
Dehra Dun	Asst. Surveyor, 2nd grade, Great Trigonometrical Survey	1st Mar. 1869	.....	...
Ditto	Asst. Supdt., 2nd grade, Great Trigonometrical Survey	1st Sept. 1869	.....	...
Poona	Asst. Supdt., 2nd grade, in charge Guzerat Party	...	.....	Nov. 1870.
Bangalore	Asst. Supdt., 1st grade, Great Trigonometrical Survey	1st Jan. 1872	.....	...

*Promoted to Captain, 11th December 1873.*

*Furlough to Europe for 11 months and 27 days, from 1st November 1873 to 27th October 1874.*

...	Asst. Supdt., 2nd grade	1st Apl. 1874	.....	...
...	Ditto ditto	28th Oct. 1874	Asst. Supdt., 1st grade	28th Oct. 1874.
Bangalore	Ditto, in charge No. 1 Extra Party	13th Nov. 1874	Ditto ditto	...
Mysore	Ditto, in charge No. 9 Party, Mysore Topographical Survey	1st Aug. 1875	Ditto ditto	...
Ditto	Ditto, attached to No. 9 Party, Mysore Topographical Survey	12th Apl. 1877	Ditto ditto	...
Ditto	Ditto, in charge No. 8 Party, Mysore Topographical Survey	27th Apl. 1877	Ditto ditto	...

*Furlough to Europe for 363 days, and 183 days' duty at Chatham, from 5th November 1877.*

Mysore	Asst. Supdt., 2nd grade, attached to Mysore Topographical Survey	6th May 1879	Asst. Supdt., 1st grade	6th May 1879.
Ditto	Asst. Supdt., 1st grade, attached to Mysore Topographical Survey	14th Dec. 1880	.....	...
Rangoon	Ditto, attached to Hanthawaddy District Cadastral Survey	2nd June 1881	.....	...
Ditto	Ditto, in charge Hanthawaddy District Cadastral Survey	1st Aug. 1881	.....	...

*Promoted to Major, 18th December 1881.*

Rangoon	Dy. Supdt., 4th grade, in charge Hanthawaddy District Cadastral Survey	1st July 1882	.....	...
Ditto	Ditto, ditto	...	Dy. Supdt., 3rd grade.	1st Nov. 1883.
Mysore	Ditto, in charge Mysore Topographical Survey	20th Mar. 1884	Ditto ditto	...
Ditto	Ditto ditto	24th Mar. 1884	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	4th Apl. 1884.
Ditto	Ditto ditto	16th Mar. 1886	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Furlough to Europe on medical certificate for 1 year 9 months and 21 days, from 26th March 1866.</i>				
<i>Elected for continuous Indian service, 5th June 1861.</i>				
...	Dy. Supdt., 3rd grade . . .	1st Jan. 1887	.....	...
Basti . . .	Ditto, in charge No. 4			
	Party (Basti) . . . . .	25th Jan. 1888	.....	...
Madras . . .	Ditto, attached to No. 19			
	Party (Madras) . . . . .	5th May 1888	.....	...
Ditto . . .	Ditto, in charge No. 19			
	Party (Madras) . . . . .	20th June 1888	.....	...
Ditto . . .	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	15th Nov. 1888.
Ditto . . .	Ditto ditto . . . . .	23rd Dec. 1888	.....	...
Ditto . . .	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	20th Feb. 1889.
Ditto . . .	Ditto ditto . . . . .	23rd Feb. 1889	.....	...
Ditto . . .	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	7th May 1889
<i>Promoted to Lieutenant-Colonel, half pay, 18th December 1888. Regimental Lieutenant-Colonel, 1st May 1890.</i>				
Madras . . .	Dy. Supdt., 2nd grade, in charge			
	No. 19 Party (Madras) . . .	10th Dec. 1890	.....	...
Ditto . . .	Supdt., 2nd grade, ditto . . .	18th Aug. 1892	.....	...
<i>War Services.</i> —Appointed Assistant Field Engineer to the Bhutan Field Force, and to Command No. 2 Company, Bengal Sappers and Miners, 3rd January 1866.—Medal and Clasp.				

**Wilmer, Colonel John Randal, I.S.C.**—Joined the service, 22nd June 1859; arrived, (first) 27th October 1860, returned to England, 20th November 1867; arrived (2nd) 28th April 1869.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>On duty at the Royal Military College, Sandhurst, from January 1855 to November 1857; on duty at the Royal Military Academy, Woolwich, from November 1857 to 22nd June 1859.</i>				
...	Lieutenant, Royal Artly. . . . .	22nd June 1859	.....	...
Guernsey . . .	Ditto ditto . . . . .	1st Aug. 1859	.....	...
Cawnpore . . .	Ditto, Command of G-11th,			
	R. A. . . . .	22nd Sep. 1864	.....	...
...	Lieutenant, R. A. . . . .	25th Mar. 1866	.....	...
...	Lieutenant, 3-22nd, R. A. . . .	28th Apl. 1869	.....	...
...	Ditto ditto . . . . .	...	Coms'y. of Ordnance .	22nd June 1869.
<i>Appointed to Bengal Staff Corps, 24th August 1869.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Bundelcund	Asst. Surveyor, Topl. Survey (on probation), No. 5 Party	28th Aug. 1869	.....	...
...	Asst. Supdt., 2nd grade, Topl. Survey (on probation), No. 5 Party	1st Sept. 1869	.....	...
...	Asst. Supdt., 2nd grade	28th Aug. 1870	.....	...
<i>Leave on medical certificate for 2 months and 12 days, from 19th December 1871.</i>				
<i>Promoted to Brevet-Captain, 22nd June 1871.</i>				
Bhopal	Asst. Supdt., 2nd grade, No. 5 Topl. Party	3rd Mar. 1872	.....	...
...	Asst. Supdt., 1st grade	28th Aug. 1872	.....	...
<i>Promoted to Captain, 24th August 1873.</i>				
...	Asst. Supdt., 1st grade, in charge No. 5 Topl. Party	12th Oct. 1874	.....	...
...	Asst. Supdt., 2nd grade, ditto	1st Jan. 1878	Asst. Supdt., 1st grade	1st Jan. 1878.
<i>Promoted to Major, 22nd June 1879.</i>				
Mirzapur	Asst. Supdt., 1st grade, in charge No. 5 Topl. Party	24th Apl. 1882	.....	...
...	Dy. Supdt., 4th grade, ditto	1st July 1882	.....	...
...	Ditto ditto	...	Dy. Supdt., 3rd grade	5th Mar. 1884.
...	Ditto ditto	14th Mar. 1884	.....	...
...	Ditto ditto	...	Dy. Supdt., 3rd grade	30th Apl. 1884.
...	Ditto ditto	9th May 1884	.....	...
...	Ditto ditto	...	Dy. Supdt., 3rd grade	7th Aug. 1884.
...	Ditto ditto	25th Aug. 1884	.....	...
...	Ditto ditto	...	Dy. Supdt., 3rd grade	24th Sept. 1884.
Quetta	Ditto, in charge Baluchistan Survey Party	1st Oct. 1885	Ditto ditto	...
...	Ditto ditto	1st Nov. 1886	.....	...
<i>Promoted to Lieutenant-Colonel, 22nd June 1885.</i>				
<i>Furlough to Europe on medical certificate for 1 year 11 months and 8 days, from 10th November 1886.</i>				
...	Dy. Supdt., 3rd grade	19th Feb. 1887	.....	...
Hoshangabad	Ditto, in charge No. 14 Party (Hoshangabad)	23rd Oct. 1888	.....	...
<i>Promoted to Colonel, 22nd June 1889.</i>				
Hoshangabad	Dy. Supdt., 3rd grade, in charge No. 14 Party (Hoshangabad)	...	Dy. Supdt., 2nd grade	26th Oct. 1889.
...	Dy. Supdt., 2nd grade, ditto	19th Feb. 1891	.....	...
Calcutta	Ditto, attached to Head Quarters Office	9th May 1892	.....	...
Mussoorie	Ditto, in charge No. 14 Party (Hoshangabad)	27th June 1892	.....	...
Ditto	Supdt., 2nd grade, in charge No. 14 Party (Nimar)	18th Aug. 1892	.....	...



Hutchinson, Colonel Henry Stephen, I.S.C.—Joined the service, 9th December 1859; arrived, 9th April 1860.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Joined the Military College, Addiscombe, January 1858.</i>				
Meerut, Lahore and Peshawar	Lieut., Bengal Artillery	9th Dec. 1859	.....	...
Bannu and Dera Ismail Khan	Lieut., with the Artillery	9th Apl. 1860	.....	...
	Ditto, No. 1 Light Field Battery, Punjab Irregular Force	10th Apl. 1865	.....	...
Central Provinces	Probationary Asst. Surveyor, 3rd Division, Central Provinces Survey	13th Aug. 1867	.....	...
<i>Appointed to the Bengal Staff Corps, 13th August 1867.</i>				
Central Provinces	Asst. Surveyor, 2nd grade, 3rd Division, Central Provinces Survey	13th Aug. 1868	.....	...
Ditto	Asst. Supdt., 2nd grade, 3rd Division, Central Provinces Survey	1st Sept. 1869	.....	...
<i>Furlough to Europe on medical certificate for 1 year 7 months and 11 days from 21st May 1870.</i>				
<i>Promoted to local rank of Captain, 9th December 1871.</i>				
Central Provinces	Asst. Supdt., 2nd grade, 4th Division, Central Provinces Survey	1st Jan. 1872	.....	...
Poona	Asst. Supdt., 2nd grade, 11th Deccan Topographical Survey	1st Oct. 1872	.....	...
<i>Promoted to Captain, 25th March 1873.</i>				
Poona	Asst. Supdt., 2nd grade, 11th Deccan Topographical Survey	.. ...	Asst. Supdt., 1st grade	1st Jan. 1878.
<i>Promoted to Major, 9th December 1879.</i>				
Ghazipore	Asst. Supdt., 2nd grade, Ghazipore Cadastral Survey	1st Jan. 1881	Asst. Supdt., 1st grade	...
Darjeeling	Ditto, in charge Darjeeling Survey Party	8th Apl. 1881	.....	...
Calcutta	Ditto, on duty Head Quarters Office	2nd Aug. 1881	.....	...
<i>Furlough on medical certificate for 1 year and 2 months from 29th August 1881 to 27th October 1882.</i>				
Calcutta	Asst. Supdt., 1st grade	1st July 1882	.....	...
	Asst. Supdt., 1st grade, on duty Head Quarters Office	.....	Dy. Supdt., 4th grade	29th Oct. 1882.
Bassein	Asst. Supdt., 1st grade, Bassein District Cadastral Survey	26th Nov. 1882	Ditto, ditto	...
Ditto	Ditto, in charge ditto	29th May 1883	Ditto, ditto	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Bassein	Dy. Supdt., 4th grade, in charge Bassein District Cadastral Survey	7th Aug. 1884	.....	...
Ditto	Ditto ditto	.....	Dy. Supdt., 3rd grade	6th July 1885.
Ditto	Ditto ditto	13th Oct. 1885	.....	...
Akyab	Ditto, in charge Akyab District Cadastral Survey.	22nd Oct. 1885	.....	...
Ditto	Ditto ditto	.....	Dy. Supdt., 3rd grade	26th Oct. 1885.
Ditto	Ditto ditto	7th Nov. 1885	.....	...
<i>Promoted to Lieutenant-Colonel, 9th December 1885.</i>				
Akyab	Dy. Supdt., 4th grade, in charge Akyab District Cadastral Survey	.....	Dy. Supdt., 3rd grade	3rd Feb. 1886.
Ditto	Ditto ditto	9th Mar. 1886	.....	...
Ditto	Ditto ditto	.....	Dy. Supdt., 3rd grade	10th Mar. 1886.
<i>Privilege leave for 3 months from 29th June 1887.</i>				
Akyab	Dy. Supdt., 4th grade, in charge Akyab District Cadastral Survey	29th Sept. 1887	Dy. Supdt., 3rd grade	29th Sept. 1887.
Poona	Ditto, in charge No. 10 Party (South Mahratta)	22nd Oct. 1887	Ditto ditto	...
Ditto	Dy. Supdt., 3rd grade, in charge No. 10 Party (South Mahratta).	26th Apl. 1889	.....	...
<i>Promoted to Colonel, 9th December 1889.</i>				
Poona	Dy. Supdt., 3rd grade, in charge No. 10 Party (South Mahratta)	.....	Dy. Supdt., 2nd grade	31st Oct. 1890.
Ditto	Dy. Supdt., 2nd grade (sub. <i>pro tem.</i> ), ditto	2nd Apl. 1891	.....	...
Ditto	Ditto, in charge No. 17 Party (Bombay)	9th June 1891	.....	...
Ditto	Dy. Supdt., 2nd grade, (confirmed), ditto	13th Oct. 1891	.....	...
Ditto	Ditto, in charge No. 10 Party (Bombay Topl.) in addition to charge of No. 17 Party (Bombay)	14th Nov. to 4th Dec. 1891	.....	...
Ditto	Supdt., 2nd grade, ditto	18th Aug. 1892	.....	...

## Barrett, Edwin Clifford.—Joined the service, 18th November 1862.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Sind	Proby. Asst. Surveyor, Revenue Survey	18th Nov. 1862	.....	...
Ditto	Sub-Asst. Surveyor, 3rd class	1st Jan. 1864	.....	...
Chanda, C. P.	Ditto ditto	1st Feb. 1865	.....	...
Ditto	Asst. Supdt., 2nd grade	30th Dec. 1868	.....	...

*Leave on medical certificate for 1 month from 20th June 1869.*

Chanda, C. P.	Asst. Supdt., 2nd grade	20th July 1869	.....	...
Raipore, C. P.	Ditto ditto	1st Nov. 1869	.....	...

*On Special Duty, Lushai Expeditionary Force, from 1st November 1871 to 10th March 1872.*

...	Asst. Supdt., 2nd grade	...	Asst. Supdt., 1st grade	30th Dec. 1871
...	Ditto ditto	4th Mar. 1872	.....	...
Calcutta	Ditto, on special duty	1st May 1872	.....	...
Bahawalpur	Asst. Supdt., 2nd grade	1st June 1872	.....	...
N.-W. P. and Oudh	Ditto ditto	1st Oct. 1872	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	6th July 1873.
Ditto	Ditto ditto	5th Nov. 1873	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	1st Dec. 1873.
Ditto	Ditto ditto	15th Jan. 1874	.....	...
Khurda, Orissa	Ditto ditto	1st Nov. 1876	.....	...
Ditto	Ditto, in charge Khurda Survey	22nd July to 12th Nov. 1877	.....	...
Ditto	Asst. Supdt., 2nd grade, ditto	...	Asst. Supdt., 1st grade	1st Apl. 1878.
Cuttack, Orissa	Ditto, in charge Cuttack Survey	23rd May 1878	Ditto ditto	...
Jaunpur, N.-W. Provs.	Asst. Supdt., 2nd grade, 6th Divn. Survey	1st Dec. 1878	Ditto ditto	...
Ghazipore	Ditto, 4th Divn. Survey	20th July 1879	Ditto ditto	...
Ditto	Ditto, in charge ditto	4th Aug. to 3rd Nov. 1879	.....	...
Bassein, British Burma	Asst. Supdt., 2nd grade, 8th Divn., Bassein Survey	11th Nov. 1879	Ditto ditto	...

*Furlough to Europe for 1 year 10 months and 17 days from 27th August 1880.*

...	Asst. Supdt., 1st grade	1st July 1882	.....	...
Calcutta	Ditto, on duty, Hd. Qrs. Office	24th July 1882	Dy. Supdt., 4th grade	24th July 1882.
Burma	Asst. Supdt., 1st grade	1st Nov. 1882	Ditto ditto	...
Calcutta	Ditto, in charge Hooghly River Survey	25th July 1883	Ditto ditto	...
Assam	Asst. Supdt., 1st grade, in charge No. 6 Par'y	1st Nov. 1883	Ditto ditto	...
Ditto	Dy. Supdt., 4th grade	1st Oct. 1884	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	16th Mar. 1886.

*Privilege leave for 3 months from 5th July 1886.*

Assam	Dy. Supdt., 4th grade	5th Oct. 1886	Dy. Supdt., 3rd grade	...
Ditto	Ditto 3rd grade	5th May 1889	.....	...

*Privilege leave for 2 months and 28 days from 1st July 1889.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Assam .	Dy. Supdt., 3rd grade . . . .	29th Sept. 1889	.....	...
Ditto .	Ditto ditto . . . .	...	Dy. Supdt., 2nd grade	4th Nov. 1890.
Ditto .	Ditto ditto . . . .	18th Nov. 1890	.....	...
Ditto .	Ditto ditto . . . .	...	Dy. Supdt., 2nd grade	14th Mar. 1891.
Ditto .	Ditto, 2nd grade (sub. <i>pro tem.</i> ) . . . .	13th Oct. 1891	.....	...

*Privilege leave for 2 months and 29 days from 27th June 1892.*

Assam .	Dy. Supdt., 2nd grade (con- firmed) . . . .	1st July 1892	.....	...
Ditto .	Supdt., 2nd grade . . . .	18th Aug. 1892	.....	...
Ditto .	Ditto, in charge No. 6 Party (Assam) . . . .	10th Oct. 1892	.....	...

*Furlough for 6 months from 3rd May 1893.*

*War Services.*—Served with the Right Column, Lushai Expeditionary Force, in 1871-72—Medal and clasp, and received the thanks of the Government of India.

**Woodthorpe, Colonel Robert Gosset, C.B., R.E.**—Joined, 25th June 1865; arrived, 25th November 1869.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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*On duty at Royal Engineering Establishment, Chatham, till November 1867.*

*Employed in Works Department, Manufacturing District, in England, till May 1869.*

Chakrata .	Attached to Sappers and Mi- ners . . . .	24th Dec. 1869 to 31st May 1871.	.....	...
Mussoorie .	Asst. Supdt., 2nd grade, No. 4 Party, Topl. Survey . . . .	18th July 1871	.....	...
Shillong .	Ditto, No. 6 Topl. Party, Khasia and Garo Hills Sur- vey . . . .	1st Oct. 1871	.....	...
Ditto .	Ditto, in charge Garo Hills Survey . . . .	1st Nov. 1872	.....	...
Ditto .	Ditto, No. 6 Topl. Party, Khasia and Garo Hills Survey . . . .	1st June 1873	.....	...
Ditto .	Ditto ditto . . . .	...	Asst. Supdt., 1st grade	11th Aug. 1873.
Ditto .	Asst. Supdt. (new), 3rd grade, ditto . . . .	1st April 1874	.....	...
Ditto .	Ditto, 2nd grade, ditto . . . .	1st April 1874	.....	...

*Privilege leave for 3 months from 17th July 1874.*

Shillong .	Asst. Supdt., 2nd grade, No. 6 Topl. Party, Khasia and Garo Hills Survey . . . .	17th Oct. 1874	.....	...
Ditto .	Ditto, in charge Naga Hills Survey . . . .	1st Jan. 1875	.....	...
Ditto .	Ditto, No. 6 Topl. Party, Khasia and Garo Hills Sur- vey . . . .	24th April 1875	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Calcutta	Asst. Supdt., 2nd grade, and Asst. Surveyor-General in charge Lithographic Branch.	July to 31st Oct. 1875.	.....	...
Shillong	Ditto, in charge Naga Hills Survey . . . . .	1st Nov. 1875	.....	...
<i>Appointed Political Officer with the Survey on death of Captain Butler, Political Agent, in January 1876.</i>				
Shillong	Asst. Supdt., 2nd grade, No. 6 Topl. Party, Khasia and Garo Hills Survey . . . . .	1st April 1876	.....	...
Wibrugarh	Ditto, in charge North Lakhimpur Topl. Survey . . . . .	1st Nov. 1876	.....	...
Shillong	Ditto, No 6 Topl. Party, Khasia and Garo Hills Survey . . . . .	1st Dec. 1876	.....	..
Lakhimpur	Ditto, in charge North Brahmaputra Topl. Survey . . . . .	1st Oct. 1877	.....	...
<i>Promoted to Captain, 22nd May 1878.</i>				
Lakhimpur	Asst. Supdt., 2nd grade, in charge North Brahmaputra Topl. Survey . . . . .	...	Asst. Supdt., 1st grade	28th May 1878.
Shillong	Ditto, No. 6 Topl. Party, Khasia and Garo Hills Survey . . . . .	1st July 1878	Ditto ditto	...
Ditto	Ditto ditto . . . . .	12th Aug. 1878	.....	...
...	Asst. Supdt., 2nd grade, in charge Survey Party with the Frontier Expeditionary Field Force, Kuram Column . . . . .	1st Sept. 1878	.....	...
...	Ditto ditto . . . . .	...	Asst. Supdt., 1st grade	1st Jan. 1879.
...	Ditto ditto . . . . .	15th Jan. 1879	.....	...
<i>Promoted to Brevet-Major, 22nd November 1879.</i>				
<i>Furlough on private affairs for one year from 30th October 1880.</i>				
<i>Promoted to Brevet-Lieutenant-Colonel, 2nd March 1881.</i>				
Sylhet	Asst. Supdt., 2nd grade, No. 6 Topl. Party, Khasia and Garo Hills Survey . . . . .	1st Nov. 1881	...	...
Ditto	Ditto ditto . . . . .	...	Asst. Supdt., 1st grade	12th Nov. 1881.
Ditto	Ditto, in charge ditto . . . . .	3rd Dec. 1881	Ditto ditto	...
Ditto	Asst. Supdt., 1st grade, in charge No. 6 Topl. Party, North-East Frontier Survey . . . . .	1st July 1882	Dy. Supdt., 4th grade .	1st July 1882 .
Ditto	Ditto ditto . . . . .	9th Jan. 1883	.....	...
Shillong	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade .	12th Feb. 1883.
<i>Privilege leave for 2 months and 26 days from 25th June 1884.</i>				
Shillong	Dy. Supdt., 4th grade, in charge No. 6 Topl. Party, North-East Frontier Survey . . . . .	28th Nov. 1884	.....	...
<i>Promoted to Colonel, 2nd March 1885.</i>				
...	Dy. Supdt., 4th grade, on special duty with the Gilgit Mission . . . . .	25th May 1885	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	21st Mar. 1886.
...	Ditto, in charge Kubo Valley Detachment . . . . .	1st Oct. 1886 to 30th Nov. 1887.	Ditto ditto	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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*Made a C. B. in November 1887.*

*Privilege leave for 3 months from 4th December 1887.*

*Services placed at the disposal of the Foreign Department from 10th February 1888, and employed on Special duty in Europe up to 9th October 1888.*

*Furlough for 4 months from 10th October 1888.*

Simla	Dy. Quarter Master General for Intelligence	15th Feb. 1889	.....	...
Ditto	Dy. Supdt., 3rd grade, Survey of India, on Special Duty	5th June 1892	Dy. Supdt., 2nd grade	5th June 1892.
Bangalore	Ditto, No. 11 Party (Upper Burma)	23rd June 1892	Ditto ditto	...
Ditto	Ditto ditto, and in charge No. 21 Party	20th July 1892	Ditto ditto	...
Ditto	Ditto, 1st grade, ditto.	18th Aug. 1892	Supdt., 2nd grade	18th Aug. 1892.
<i>Made over charge of No. 21 Party, 20th October 1892.</i>				
Ditto	Ditto, in charge Anglo-Siamese Boundary Commission Survey Party.	1st Dec. 1892	Ditto ditto	...
Ditto	Ditto, in charge No. 11 Party (Upper Burma)	...	Ditto ditto	...

**War Services.**—Served with the Left Column, Lushai Expeditionary Force, 1871-72—Frontier medal with clasp for Lushai; served with the Garo Hills Expedition in 1872-73, and with the Naga Hills Punitive Expedition in 1875 (mentioned in Despatches); joined the Kuram Column, Frontier Expeditionary Field Force, 1st Afghanistan Campaign, at Kohat, 25th October 1878; present at the action on the Peiwar Kotal (slightly wounded); mentioned in Despatches; 2nd Campaign from 28th September 1879 to date of evacuation of Kabul; present at Alikhel, 14th October, at Killa Kuriz Mir on 10th and Charda 11th December 1879; attack of Takht-i-Shah, 13th; Asmai heights, 14th, and subsequent operations till 23rd December 1879, inclusive; skirmishes at Snidabad, 25th and 26th April 1880 (very slightly wounded); thanks of Governor-General in Council and Secretary of State for India; mentioned in Despatches of Generals Roberts and Ross. (Medal and two clasps), Aka Expedition, 1883-84. Upper Burma, 1886-87 (two clasps). Thanks of the Government of India and Secretary of State on several occasions.

**Literary Works.**—Account of the Lushai Expedition, 1871-72, Northern Column—Hurst and Blackett, 1872. Assisted Sir W. Lockhart in the History of the Chitral Mission of 1885-86, a confidential work, printed by the India Office. Papers on the Nagas for the Anthropological Society in Upper Burma and the Survey of the Chindwin River for the Royal Geographical Society on the Lushai and Aka Expeditions for the United Service Institution of India.

**Cooke, Gordon Henry.**—Joined the service, 6th December 1866.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Sub-Asst., 1st class, Revenue Survey (Central Provinces Survey)	6th Dec. 1866	.....	...
...	Asst. Revenue Surveyor, 3rd class	6th Dec. 1869	.....	...
...	Asst. Supdt. (on probation)	1st Apl. 1870	.....	...
Hazaribagh	Ditto, 2nd grade, Hazaribagh District Survey	10th May 1871	.....	...

*On Special Duty in Lushai Expedition from 1st November 1871 to 4th June 1872.*

*Examination leave for 3 months from 5th June to 4th September 1872.*

C. J. cut'a	Asst. Supdt., 2nd grade, on duty Head Quarters Office	5th Sept. 1872	.....	...
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*On Special Duty, Chittagong, from 1st November 1872 to May 1873.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Naini Tal	Asst. Supdt., 2nd grade, Naini Tal Survey . . .	June 1873	.....	...
Bilaspore	Ditto, 9th Bilaspore District Survey . . .	Nov. 1873	.....	...
Ditto	Ditto, 3rd grade, Bilaspore District Survey . . .	1st Apl. 1874	.....	...
Azingarh	Ditto, Azingarh District (Cadastral) Survey . . .	Nov. 1874	.....	...
Gurgaon	Ditto, Gurgaon District Survey . . .	1st Apl. 1876	.....	...
Poona	Ditto, Deccan Survey . . .	Nov. 1876	.....	...
Ditto	Ditto, in charge Deccan Survey . . .	22nd Aug. 1877	.....	...
Ditto	Ditto ditto . . .	...	Asst. Supdt., 2nd grade . . .	1st Jan. 1878.
Ditto	Ditto ditto . . .	12th Sept. 1878	Ditto ditto . . .	...

*Furlough for 2 years and 18 days from 22nd May 1880.*

Mussoorie	Asst. Supdt., 2nd grade . . .	14th Dec. 1880	.....	...
...	Ditto ditto, Meerut, etc., Districts (Topographical) Survey . . .	9th June 1882	.....	...
Ditto	Ditto, 1st grade, ditto . . .	1st July 1882	Dy. Supdt., 4th grade	1st July 1882.
...	Ditto ditto . . .	1st Nov. 1882	.....	...
...	Ditto ditto . . .	4th Nov. 1882	Dy. Supdt., 4th grade	2nd Nov. 1882.
...	Ditto ditto . . .	...	.....	...
...	Ditto ditto . . .	1st Jan. 1883	Dy. Supdt., 4th grade	7th Nov. 1882.
...	Ditto ditto . . .	...	.....	...
...	Ditto ditto . . .	15th Mar. 1883	Dy. Supdt., 4th grade	14th Mar. 1883.
...	Ditto ditto . . .	...	.....	...
Benares	Ditto, in charge Benares, etc., Districts (Cadastral) Survey . . .	17th Oct. to 11th Dec. 1883	Ditto ditto . . .	...
Calcutta	Ditto, on duty Head-Quarters Office . . .	17th Aug. 1884	Ditto ditto . . .	...
Basti	Ditto, Basti District (Cadastral) Survey . . .	1st May 1885	Ditto ditto . . .	...
Poona	Asst. Supdt., 1st grade, in charge Cutch Party, Topographical Survey . . .	11th Aug. 1885	Ditto ditto . . .	...
Ditto	Dy. Supdt., 4th grade, in charge Cutch Party, Topographical Survey . . .	22nd Oct. 1885	.....	...
Jubbulpore	Ditto, in charge No. 9 Party . . .	26th Oct. 1885	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 3rd grade	22nd Apl. 1886.
...	Ditto ditto . . .	24th Oct. 1887	.....	...
...	Ditto ditto . . .	24th Nov. 1887	Dy. Supdt., 3rd grade	4th Nov. 1887.
...	Ditto ditto . . .	...	.....	...
...	Ditto ditto . . .	30th Nov. 1887	Dy. Supdt., 3rd grade	25th Nov. 1887.
...	Ditto ditto . . .	...	.....	...
...	Ditto ditto . . .	25th Jan. 1888	Dy. Supdt., 3rd grade	6th Jan. 1888.
...	Ditto ditto . . .	...	.....	...
...	Ditto ditto . . .	14th Apl. 1888	Dy. Supdt., 3rd grade	11th Feb. 1888.
...	Ditto ditto . . .	...	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 3rd grade	16th May 1888.

*Privilege leave for 3 months from 3rd August 1888.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Chanda	Dy. Supdt., 4th grade, in charge No. 9 Party	1st Oct. 1888	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 3rd grade	3rd Nov. 1888.
...	Ditto 3rd grade, ditto . . .	12th Aug. 1889	.....	...
Mandla	Ditto ditto . . .	1st Nov. 1890	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 2nd grade	10th Apl. 1891.
...	Ditto ditto . . .	12th Nov. 1891	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 2nd grade	8th Dec. 1891.

*Furlough for 18 months from 22nd May 1892.*

... | Dy. Supdt., 1st grade . . . | 18th Aug. 1892 | ..... | ...

*War Services.*—On 1st November 1871 was deputed on special service with Right Column, Lushai Expeditionary Force; received a medal and clasp and the thanks of the Government of India; served a second year in the Lushai country with Major Lewin, Political Officer, and connected the work done by the Survey Officers attached to the Right and Left Columns of the Lushai Expeditionary Force.

**Jackson, Edwin James.**—Joined the service, 26th September 1864; arrived, 26th June 1864.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Calcutta	Senior Sub-Asst. Revenue Survey	26th Sept. 1864	.....	...
Ditto	Ditto, 2nd Divn., Lower Provinces, Bengal . . .	1st Nov. 1864	.....	...
Barrackpur	Ditto ditto . . .	1865	.....	...
Purulia	Asst. Surveyor (on probation)	1st Apl. 1866	.....	...
Calcutta	Ditto ditto . . .	21st May 1866	.....	...

*Privilege leave for 15 days from 4th to 18th June 1866.*

Gauhati	Asst. Surveyor, 1st or Northern Divn., Assam . . .	18th Aug. 1866	.....	...
Raipur	Ditto, 2nd Divn., Central Provinces . . .	6th Mar. 1867	.....	...

*Leave on medical certificate for 1 month from 4th July 1867.*



Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Nagpur	Asst. Surveyor (on probn.), Central Provinces	4th Aug. 1867	.....	...
<i>Leave on medical certificate for 3 months and 13 days from 19th August 1867.</i>				
Raipur	Asst. Surveyor (on probn.), Cen- tral Provinces	1st Dec. 1867	.....	...
Nagpur	Asst. Supdt., 2nd grade	5th Nov. 1868	.....	...
Calcutta	Ditto ditto	26th May 1869	.....	...
Ditto	Ditto ditto	1st Sept. 1869	.....	...
Kuch Behar	Ditto, 5th Divn., Bengal	Nov. 1869	.....	...
Hooghly	Ditto, 4th Divn., Bengal	1st Nov. 1870	.....	...
<i>Furlough to Europe for 1 year 3 months and 12 days from 30th July 1871.</i>				
Calcutta	Asst. Supdt., 2nd grade	11th Nov. 1872	.....	...
Jeypur	Ditto ditto	...	In charge 2nd Division, Revenue Survey (Assam)	20th Jan. 1873.
<i>Examination leave for 3 months from 1st August 1874.</i>				
Calcutta	Asst. Supdt., 2nd grade	1874	.....	...
Cachar	Ditto ditto	1875	.....	...
Barrackpur	14th or Dearah Divn.	1876	.....	...
<i>Examination leave for 3 months from 6th September 1876.</i>				
Calcutta	Asst. Supdt., 2nd grade, 14th or Dearah Divn.	1877	.....	...
Naini Tal	5th Divn., N.-W. P.	1st July 1877	.....	...
Banda	14th or Dearah Divn.	1878	.....	...
Kirwi	Ditto ditto	1879	.....	...
<i>Furlough for 1 year 7 months and 3 days from 1st May 1880.</i>				
Calcutta	Asst. Supdt., 2nd grade	4th Dec. 1881	.....	...
Rangoon	Ditto, No. 2 Cadastral Party, Hantbawaddy District, British Burma	13th Dec. 1881	.....	...
Ditto	Asst. Supdt., 1st grade	1st July 1882	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	19th Nov. 1882.
Ditto	Ditto ditto	6th Dec. 1882	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	29th Apl. 1883.
Ditto	Ditto ditto, in charge No. 2 Party	...	Ditto ditto	19th Feb. 1884.
Ditto	Asst. Supdt., 1st grade	...	Ditto ditto	June 1885.
Ditto	Dy. Supdt., 4th grade	26th Oct. 1885	.....	...
Calcutta	Ditto ditto	Nov. 1885	.....	...
<i>Furlough to Europe for 11 months and 12 days from 12th November 1885.</i>				
...	Dy. Supdt., 4th grade	24th Oct. 1886	.....	...
Poona	Ditto ditto	...	Dy. Supdt., 3rd grade	27th Oct. 1886.
Saugor	Ditto ditto, in charge No. 12 Traverse Party	29th Oct. 1886	Ditto ditto	...
Ditto	Ditto ditto	17th Dec. 1886	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	1st Jan. 1887.
Ditto	Ditto ditto	5th Jan. 1887	...	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	15th May 1887.
Ditto	Ditto ditto	26th Sept. 1887	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	21st June 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Rangoon	Dy Supdt., 4th grade, in charge No. 12 Party, Lower Burma Traverse Survey	Nov. 1889	.....	...
Ditto	Dy. Supdt., 3rd grade, ditto	1st Oct. 1890	.....	...
Ditto	Ditto ditto,	...	Dy. Supdt., 2nd grade	7th May 1891.
<i>Furlough for 15 months from 3rd August 1891.</i>				
...	Dy. Supdt., 1st grade	18th Aug. 1892	.....	...
Calcutta	Ditto ditto, on duty at Head Quarters	2nd Nov. 1892	.....	...
Burma	Ditto, in charge No. 20 Party (Burma)	15th Nov. 1892	.....	...
Ditto	Ditto ditto	...	Supdt., 2nd grade	29th Apl. 1893.

**Gore, Major St. George Corbet, R.E.**—Joined the service, 8th January 1870; arrived, 15th November 1872.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Engineers	8th Jan. 1870	.....	...
<i>On duty at the Royal Engineering Establishment, Chatham, from February 1870 to July 1871.</i>				
...	Posted to the Indian Establishment	16th Aug. 1872	.....	...
...	Asst. Supdt., 2nd grade, Great Trigonometrical Survey	25th Mar. 1873	.....	...
Dehra Dún	Ditto, Head Quarters, Great Trigonometrical Survey	11th Apl. 1873	.....	...
Ditto	Ditto, Kumaon and Garhwal Survey Party	1st Aug. 1873	.....	...
<i>Fourteen days' privilege leave from 1st October 1873.</i>				
Dehra Dún	Asst. Supdt., 2nd grade, Kumaon and Garhwal Survey Party	...	Asst. Supdt., 1st grade	2nd Nov. 1873.
Ditto	Ditto, 3rd grade, ditto	1st Apl. 1874	Asst. Supdt., 2nd grade	1st Apl. 1874.
Ditto	Ditto ditto	28th Oct. 1874	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 2nd grade	4th Jan. 1875.
Bhopal	Ditto ditto, Bhopal and Malwa Topographical Survey	15th Oct. 1875	Ditto ditto	...
<i>Privilege leave for 21 days from 17th September 1877.</i>				
Gujrat	Asst. Supdt., 3rd grade, Gujrat Party, Great Trigonometrical Survey	5th Jan. 1878	Asst. Supdt., 2nd grade	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Privilege leave for 2 months from 26th May 1878.</i>				
Gujrat .	Asst. Supdt., 3rd grade, in charge Gujrat Party, Great Trigonometrical Survey .	2nd Sept. 1878	Asst. Supdt., 2nd grade	...
Ditto .	Ditto, Gujrat Party, Great Trigonometrical Survey .	Oct. 1878	Ditto ditto .	...
<i>Served as Survey Officer with the Southern Afghanistan Field Force from 9th February 1879 to 15th May 1880.</i>				
...	Asst. Supdt., 3rd grade . . .	26th Apl. 1879	.....	...
...	Ditto ditto . . .	...	Asst. Supdt., 2nd grade . . .	6th July 1879.
<i>Furlough to Europe for 2 years from 11th December 1880.</i>				
<i>Promoted to Captain, 8th January 1882.</i>				
...	Asst. Supdt., 2nd grade . . .	1st July 1882	.....	...
...	Ditto, 1st grade . . .	10th Oct. 1882	.....	...
Calcutta .	Ditto, on duty at Head Quarters Office .	13th Dec. 1882	.....	...
Ditto .	Ditto ditto . . .	...	Dy. Supdt., 4th grade,	29th May 1883.
<i>On Special Survey duty with Afghan Boundary Commission from 26th August 1884 to 23rd November 1886.</i>				
...	Dy. Supdt., 4th grade . . .	10th Mar. 1886	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 3rd grade	4th May 1886.
<i>Elected for continuous Indian service, 1st August 1886.</i>				
...	Dy. Supdt., 4th grade . . .	18th Aug. 1886	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 3rd grade	26th Oct. 1886.
...	Ditto ditto . . .	27th Oct. 1886	.....	...
Dehra Dún .	Ditto ditto (special duty)	...	Dy. Supdt., 3rd grade	20th Nov. 1886.
...	Ditto ditto . . .	23rd Nov. 1886	Ditto ditto .	...
Ditto .	Ditto ditto . . .	9th Dec. 1886	.....	...
<i>Promoted to Brevet-Major, 16th February 1887.</i>				
Dehra Dún .	Dy. Supdt., 4th grade . . .	...	Dy. Supdt., 3rd grade	7th June 1887.
Ditto .	Ditto ditto . . .	30th Aug. 1887	.....	...
<i>Employed on military duty in Europe from 15th February 1888 to 6th January 1889.</i>				
<i>Promoted to Major, 26th May 1888.</i>				
Dehra Dún .	Dy. Supdt., 4th grade, Drawing Section, Trigonometrical Branch Office . . .	7th Jan. 1889	Dy. Supdt., 3rd grade	7th Jan. 1889.
<i>Privilege leave for 1 month from 1st March 1889.</i>				
Dehra Dún .	Dy. Supdt., 4th grade, in charge Trigonometrical Branch Office.	17th Apl. 1889	Dy. Supdt., 3rd grade	...
Calcutta .	Dy. Supdt., 4th grade . . .	...	Dy. Supdt., 3rd grade, and Asst. Surveyor-General . . .	26th Oct. 1889.
Simla .	Ditto, 3rd grade, in charge No. 18 Party (Himalaya) .	31st Oct. 1890	.....	...
<i>Privilege leave for 21 days from 11th March 1891.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Simla . .	Dy. Supdt, 3rd grade, in charge No. 18 Party (Himalaya) . .	1st Apl. 1891	.....	...
Ditto . .	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	22nd July 1891.
Ditto . .	Ditto ditto . . . . .	16th Oct. 1891	.....	...
<i>Furlough for 6 months from 7th April 1892.</i>				
...	Dy. Supdt., 1st grade, on fur- lough . . . . .	18th Aug. 1892	.....	...
Simla . .	Dy. Supdt., 1st grade, in charge No. 18 Party (Himalaya) . .	8th Oct. 1892	Supdt., 2nd grade . .	8th Oct. 1892.
Ditto . .	Ditto ditto . . . . .	20th Oct. 1892	.....	...

*War Services.*—Served with the Afghanistan Field Force, Quetta Column, from 9th February 1879 to 15th May 1880; accompanied Sir D. Stewart's Column in its marches from Kandahar to Kabul as Officer in charge of Survey; present at action of Ahmed Khel, near Ghazni, and of Urzu Shalez at Ghazni—Medal.

**Hobday, Major James Ramsay, I.S.C.**—Joined the service, 13th January 1869; arrived, 31st March 1869.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Ensign, 2-25th King's Own Borderers . . . . .	13th Jan. 1869	.....	...
...	2nd Wing Subaltern (on probn.), 30th Regt., Bengal Infantry . . . . .	20th Mar. 1871	.....	...
...	1st Wing Subaltern (on probn.), 38th Regt., Bengal Infantry	6th May 1871	.....	...
<i>Officiating Wing Officer, 38th Regiment, Bengal Infantry, in addition to his other duties, from 21st November 1872 to 5th January 1873.</i>				
Buxa, Bhutan	Station Staff Officer . . . . .	16th Mar. 1873	.....	...
<i>Officiating Wing Officer, 38th Regiment, Bengal Infantry, in addition to his other duties, from April to 27th June 1873.</i>				
<i>General leave for 4 months and 6 days from 12th July 1873.</i>				
Buxa, Bhutan	Station Staff Officer . . . . .	18th Nov. 1873	.....	...
...	Asst. Supdt., 3rd grade (on probn.), Topl. Survey . . . . .	11th Sept. 1874	.....	...
...	Asst. Supdt., 3rd grade, Topo- graphical Survey . . . . .	7th July 1875	.....	...
...	Asst. Supdt., 3rd grade . . . . .	...	Asst. Supdt., 2nd grade . . . . .	1st Jan. 1878.
...	Ditto ditto . . . . .	11th Jan. 1878	.....	...
...	Ditto ditto . . . . .	...	Asst. Supdt., 2nd grade . . . . .	1st Feb. 1878.
...	Ditto ditto . . . . .	6th Feb. 1878	.....	...
...	Ditto ditto . . . . .	...	Asst. Supdt., 2nd grade . . . . .	15th Feb. 1878.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Furlough for 2 years from 29th April 1878; recalled to duty to join Afghan Field Force, 15th December 1878; served as Survey Officer with Southern Afghanistan Field Force from 13th February to 31st October 1879.</i>				
...	Asst. Supdt., 3rd grade . . .	...	Asst. Supdt., 2nd grade . . . . .	15th Jan. 1879.
...	Ditto ditto . . . . .	4th Feb. 1879	.....	...
...	Ditto ditto . . . . .	...	Asst. Supdt., 2nd grade . . . . .	14th Apl. 1879.
...	Ditto ditto . . . . .	22nd Apl. 1879	.....	...
<i>Furlough on medical certificate for 1 year 3 months and 28 days from 1st December 1879.</i>				
<i>Promoted to Captain, 13th January 1881.</i>				
Gujrat . . .	Asst. Supdt., 3rd grade, Gujrat Survey . . . . .	2nd Apl. 1881	.....	...
..r	Ditto ditto . . . . .	...	Asst. Supdt., 2nd grade . . . . .	3rd Apl. 1881.
...	Asst. Supdt., 2nd grade . . . . .	1st July 1882	Ditto, 1st grade . . . . .	1st July 1882.
...	Ditto, 1st grade . . . . .	15th Apl. 1883	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade . . . . .	25th July 1883.
...	Ditto ditto . . . . .	22nd Oct. 1883	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade . . . . .	25th Oct. 1883.
Andaman . . .	Ditto, in charge Andamans Topl. Party . . . . .	1st Nov. 1883	Ditto ditto . . . . .	...
...	Ditto ditto . . . . .	24th Mar. 1884	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade . . . . .	4th Apl. 1884.
Mandalay . . .	Ditto, in charge Upper Burma Topl. Party . . . . .	20th Mar. 1886	Ditto ditto . . . . .	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade . . . . .	4th May 1886.
...	Ditto ditto . . . . .	...	Ditto, 4th grade . . . . .	18th Aug. 1886.
...	Ditto ditto . . . . .	...	Ditto, 3rd grade . . . . .	26th Oct. 1886.
...	Ditto ditto . . . . .	...	Ditto, 4th grade . . . . .	27th Oct. 1886.
...	Ditto ditto . . . . .	...	Ditto, 3rd grade . . . . .	19th Nov. 1886.
...	Ditto ditto . . . . .	...	Ditto, 4th grade . . . . .	23rd Nov. 1886.
...	Dy. Supdt., 4th grade, in charge Upper Burma Topl. Party . . . . .	1st Jan. 1887	.....	...
<i>Promoted to Brevet-Major, 1st July 1887.</i>				
<i>Privilege leave for 3 months from 10th July 1887.</i>				
Mandalay . . .	Dy. Supdt., 4th grade, in charge Upper Burma Topl. Party . . . . .	...	Dy. Supdt., 3rd grade . . . . .	17th July 1888.
...	Ditto ditto . . . . .	7th Jan. 1889	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade . . . . .	20th Feb. 1889.
...	Ditto ditto . . . . .	23rd Feb. 1889	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade . . . . .	7th May 1889.
<i>Promoted to Major, 13th January 1889.</i>				
Mandalay . . .	Dy. Supdt., 3rd grade, in charge Upper Burma Topl. Party . . . . .	4th Nov. 1890	.....	...
<i>On Special duty in Upper Burma along the Chinese Frontier from 1st December 1890 to April 1891.</i>				
<i>Special leave to Europe for 6 months from 13th June 1891.</i>				
Poona . . .	Dy. Supdt., 3rd grade, in charge No. 10 Party (Bombay) . . . . .	20th Oct. 1891	.....	...
Ditto . . .	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade . . . . .	15th Apl. 1892.
Ditto . . .	Ditto, 1st grade, ditto . . . . .	18th Aug. 1892	Supdt., 2nd grade . . . . .	18th Aug. 1892.
Ditto . . .	Ditto ditto . . . . .	8th Oct. 1892	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>War Services.</i> —Served with the Kandahar Field Force, Southern Afghanistan, from 13th February to 31st October 1879; accompanied column under Brigadier-General Palliser to Khakrez Valley—Medal; served with Upper Burma Field Force from 2nd April 1886 to end of campaign; mentioned in Despatches of Major-General Sir George White, V.C., K.C.B.; services acknowledged by the Commander-in-Chief and Chief Commissioner—Medal with clasp and Brevet-Majority; excellent service to the Intelligence Branch in Burma appreciated by the Commander-in-Chief in India—Burma medal and clasp, 1887-89; accompanied special expedition in Upper Burma along the Chinese Frontier, 1890-91.				

**Longe, Captain Francis Bacon, R.E.**—Joined the service, 2nd February 1876; arrived, 15th January 1879.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Engineers	2nd Feb. 1876	.....	...
...	Appointed to Indian Establishment	1st Nov. 1878	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from February 1876 to July 1878.</i>				
Afghanistan	Asst. Supdt., 3rd grade (Sub- pernumery)	15th Mar. 1880	.....	...
<i>Served as Assistant Survey Officer with Kabul and Kandahar Field Force from 15th March 1880 to May 1881.</i>				
Bangalore	Asst. Supdt., 3rd grade (Sub- pernumery)	13th Oct. 1881	.....	...
...	Ditto, 2nd grade (Sub- pernumery)	1st July 1882	.....	...
...	Asst. Supdt., 2nd grade	13th Sept. 1882	Asst. Supdt., 1st grade	13th Sept. 1882.
Poona	Ditto ditto, in charge Deccan Party	6th Oct. 1883	Ditto ditto	...
Gorakhpur	Asst. Supdt., 2nd grade, No. 5 Party, Gorakhpur Survey	22nd Nov. 1883	.....	...
...	Asst. Supdt., 1st grade, No. 5 Party, Gorakhpur Survey	10th Jan. 1884	.....	...
Gorakhpur	Asst. Supdt., 1st grade, No. 5 Party, Gorakhpur Survey	...	Dy. Supdt., 4th grade	6th Mar. 1884.
...	Ditto ditto	14th Mar. 1884	.....	...
<i>Privilege leave for 3 months from 9th June 1884.</i>				
Gorakhpur	Asst. Supdt., 1st grade, No. 5 Party, Gorakhpur Survey	...	Dy. Supdt., 4th grade	26th Aug. 1884.
Calcutta	Ditto ditto on duty at Head Quarters Office	17th Jan. 1885	Ditto ditto	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>In charge of Suakim Expeditionary Survey from 4th March 1885.</i>				
Poona .	Asst. Supdt., 1st grade, attached to the Tidal and Levelling Operations . . . . .	19th June 1885	Dy. Supdt., 4th grade	...
Ditto	Ditto ditto, in charge South Mahratta Survey Party . . . . .	6th July 1885	Ditto ditto . . . . .	...
Ditto	Ditto ditto, attached to the Tidal and Levelling Operations . . . . .	19th Oct. 1885	Ditto ditto . . . . .	...
Ditto	Ditto ditto, in charge South Mahratta Survey Party . . . . .	29th Dec. 1885	Ditto ditto . . . . .	...
<i>Elected for continuous Indian service, 3rd September 1886.</i>				
Baluchistan .	Asst. Supdt., 1st grade, in charge No. 15 Party . . . . .	1st Nov. 1886	Dy. Supdt., 4th grade	...
<i>Promoted to Captain, 2nd February 1887.</i>				
<i>Privilege leave for 3 months, and overstayd it by 5 days, from 12th December 1887.</i>				
Baluchistan .	Dy. Supdt., 4th grade, in charge No. 15 Party . . . . .	11th Apl. 1888	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	1st Sept. 1888.
...	Ditto ditto . . . . .	23rd Oct. 1888	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	1st Nov. 1888.
<i>Furlough for 1 year 11 months and 29 days from 16th November 1888.</i>				
Calcutta .	Dy. Supdt., 4th grade, Head Quarters Office . . . . .	15th Nov. 1890	Dy. Supdt., 3rd grade	15th Nov. 1890.
Mandalay .	Ditto ditto, in charge No. 21 Party . . . . .	9th Dec. 1890	Ditto ditto . . . . .	...
Ditto .	Ditto, 3rd grade, ditto . . . . .	10th Dec. 1890	.....	...
<i>Privilege leave for 1 month and 10 days from 22nd February 1892.</i>				
<i>On duty at Royal Engineering Establishment, Chatham, from 1st April 1892.</i>				
...	Dy. Supdt., 1st grade . . . . .	18th Aug. 1892	.....	...
Calcutta .	Ditto, attached to Head Quarters Office . . . . .	19th Jan. 1893	.....	...
Mandalay .	Dy. Supdt., 1st grade, in charge No. 21 Party (Upper Burma)	3rd Feb. 1893	.....	...

**War Services.**—Joined the head-quarters of the Bengal Sappers and Miners in the Khyber at Jellalabad in February 1879; served as Assistant Field Engineer, attached to the 7th Company, Bengal Sappers and Miners, with the Kurram and Kabul Field Forces from March 1879 to March 1880, and was present at the battle of Charasin, 8th October 1879; occupation of Kabul and actions round Kabul from 10th to 23rd December; served as Assistant Superintendent of Survey with Kabul and Kandahar Field Force from 15th March 1880 to the close of the campaign in May 1881, and was present at skirmish at Snidubad on 26th April 1880; marched with the force under Sir F. Roberts from Kabul to Kandahar, and was present at the battle of Kandahar, 1st September; twice mentioned in Despatches of Sir F. Roberts and received the thanks of the Governor General—Medal and 3 clasps and bronze star; served as Survey Officer with the Suakim Expeditionary Force from 4th March to 1st June 1885—Medal and clasp and Egyptian star.

Wahab, Major Robert Alexander, R.E.—Joined the service, 29th April 1873 ; arrived, 8th March 1876.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers.	29th Apl. 1873	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from 1st January 1874 to December 1875.</i>				
...	Posted to the Indian Establishment	1st Jan. 1876	.....	...
Bangalore	Attached to Sappers and Miners.	Mar. 1876	.....	...
...	Asst. Engineer, 1st grade, P. W. D., Military Works Branch.	Jan. 1881	.....	...
...	Ditto ditto	...	Executive Engineer, 4th grade	Mar. 1882.
Rajputana	Asst. Supdt., 2nd grade, No. 1 Rajputana Party	8th Jan. 1883	.....	...
...	Ditto ditto	...	Asst. Supdt., 1st grade	1st Feb. 1883.
...	Ditto, 1st grade, ditto.	7th Aug. 1884	.....	...
Baluchistan	Ditto ditto, in charge No. 3 Topographical Party, Baluchistan Survey	19th Aug. 1884	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	26th Aug. 1884.
...	Asst. Supdt., 1st grade	1st Sept. 1884	Ditto ditto	...
...	Ditto, in charge ditto	14th Sept. 1884	Ditto ditto	...
Baluchistan	Ditto, in charge No. 3 Topographical Party, Baluchistan Survey	17th Dec. 1884	Ditto ditto	...
<i>Served as Survey Officer with the Zhob Valley Field Force in 1884.</i>				
<i>Promoted to Captain, 8th January 1885.</i>				
Goarakhpore	Asst. Supdt., 1st grade, Goarakhpore District (Cadastral) Survey	8th Nov. 1885	Dy. Supdt., 4th grade	...
Simla	Ditto ditto, in charge Himalaya Party	21st Apl. 1886	Ditto ditto	...
<i>Elected for continuous Indian service, 25th September 1886.</i>				
Baluchistan	Asst. Supdt., 1st grade, in charge No. 16 Party	30th Sept. 1886	Dy. Supdt., 4th grade	...
...	Dy. Supdt., 4th grade, ditto	17th July 1888	.....	...
<i>Served as Survey Officer with the Hazara Field Force from October to 14th November 1888.</i>				
...	Dy. Supdt., 4th grade, Hazara Field Force	...	Dy. Supdt., 3rd grade	15th Nov. 1888.
Dehra	Ditto, Trigonometrical Branch Office	23rd Nov. 1888	Ditto ditto	...
Ditto	Dy. Supdt., 4th grade, ditto	23rd Dec. 1888	.....	...
<i>Proceeded on military duty to Europe, 23rd February 1889.</i>				
<i>Furlough for 1 year from 1st December 1889.</i>				
Dehra	Dy. Supdt., 4th grade, Trigonometrical Branch Office	...	Dy. Supdt., 3rd grade	30th Nov. 1890.
<i>Served as Survey Officer with the Miranzai Field Force, January and February 1891.</i>				
<i>Served as Survey Officer with the Hazara Field Force from 10th March to 22nd June 1891.</i>				
Hazara	Dy. Supdt., 3rd grade	19th Feb. 1891	.....	...
Simla	Ditto ditto	23rd June 1891	.....	...
Aden	Ditto ditto, in charge Aden Party	1st Oct. 1891	.....	...



Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Mussoorie	Dy. Supt., 3rd grade, in charge Adeu Party and No. 14 Party	13th May 1892	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 2nd grade	16th May 1892.
...	Ditto ditto . . .	5th June 1892	...	...

*Made over charge of No. 14 Party, 27th June 1892.*

Mussoorie	Dy. Supt. 1st grade, in charge Aden Party . . . .	18th Aug. 1892	.....	...
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*Served as Survey Officer with the Isazai Field Force from 21st September to 15th November 1892.*

Calcutta	Dy. Supdt., 1st grade, attached to Head-quarters office . . .	16th Nov. 1892	.....	...
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*Promoted to Major, 5th December 1892.*

Calcutta	Dy. Supdt., 1st grade, attached to Head-quarters office . . .	...	Asst. Surveyor-General	19th Apl. 1893.
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*War Services.*—Served in the first Afghan Campaign from 9th January to 9th June 1879 as Assistant Field Engineer and Adjutant, Royal Engineers, Peshawar Valley Field Force; in the second Afghan Campaign, October 1879 to August 1880, as Assistant Field Engineer—Medal; expedition against Mahsud Waziris in April and May 1881 as Assistant Field Engineer and in charge R. E. Park; served with Sir R. Sandeman's Mission to Khasan and Panjgur, 1883-84; served in Zhob Valley Expedition, 1884, as Survey Officer; mentioned in despatches; served with Hazara Field Force, 1888, as Survey Officer; mentioned in despatches—Medal; served as Survey Officer with the Miranzai Field Force and Hazara Field Force, 1891; served as Survey Officer with the Isazai Field Force, 1892.

**Reynolds, William Henry, F.R.G.S.**—Joined the service, 14th March 1861.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
N.-W. Frontier	Junior Sub-Asst. Revenue Surveyor, N.-W. Frontier Survey	14th Mar. 1861	.....	...
Ditto	Sub-Asst. Revenue Surveyor, 3rd class, N.-W. Frontier Survey . . . .	1st Jan. 1864	.....	...
Ditto	Ditto, 2nd class . . . .	1st Jan. 1865	.....	...
Ditto	Ditto, 3rd grade . . . .	1st Apl. 1866	.....	...
Ditto	Ditto, 2nd grade . . . .	1st Jan. 1868	.....	...
<i>Privilege leave for 1 month from 2nd January 1868.</i>				
N.-W. Frontier	Asst. Surveyor, 2nd grade . . .	1st Sept. 1869	.....	...
<i>On Special Duty in Cashmere from 13th July to 31st December 1870.</i>				
N.-W. Frontier	Asst. Surveyor, 1st grade . . .	1st Oct. 1870	.....	...
Hazara	Asst. Conservator of Forests, 3rd grade . . . .	1st Jan. 1871	.....	...
Ditto	Ditto, 2nd grade . . . .	20th July 1872	.....	...
<i>Privilege leave for 1 month from 4th June 1874.</i>				
Dehra Dún	Asst. Conservator of Forests, 2nd grade . . . .	...	Supdt., Forest Surveys . . . .	13th July 1874.
Ditto	Ditto ditto . . . .	25th Nov. 1874	.....	...
Ditto	Ditto, 1st grade . . . .	13th Oct. 1876	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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*Privilege leave for 3 months from 31st May 1878.*

Dehra Dun	Asst. Conservator of Forests, 1st grade, and Dy. Supdt., Forest Surveys . . . . .	1st Sept. 1878	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Conservator of Forests, 3rd grade .	5th July 1880.
Ditto	Dy. Conservator of Forests, 3rd grade, and Dy. Supdt., Forest Surveys . . . . .	1st Mar. 1881	.....	..

*Privilege leave for 3 months from 5th May 1882.*

*Furlough for 7 months, from 7th June 1883.*

Dehra Dún	Dy. Conservator of Forests, 3rd grade, and Dy. Supdt., Forest Surveys . . . . .	7th Jan. 1884	.....	...
Ditto	Ditto ditto . . . . .	...	Supdt., Forest Surveys . . . . .	22nd Feb. 1884.
Ditto	Supdt., Forest Surveys, and Dy. Conservator of Forests, 2nd grade . . . . .	2nd Feb. 1887	.....	...

*Privilege leave for 3 months from 5th April 1888.*

Dehra Dún	Supdt., Forest Surveys, and Dy. Conservator of Forests, 2nd grade . . . . .	...	Dy. Conservator of Forests, 1st grade .	2nd Mar. 1889.
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*Furlough for 9 months, from 21st January 1890.*

Dehra Dún	Supdt., Forest Surveys, and Dy. Supdt., 4th grade, Survey of India . . . . .	24th Oct. 1890	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	24th Oct. 1890.
Ditto	Ditto and Dy. Supdt., 3rd grade . . . . .	31st Mar. 1891	... ..	...
Ditto	Ditto ditto, 1st grade .	18th Aug. 1892	.....	...

*War Services.*—Served as Assistant Surveyor with the Umbeyla Expedition, October to December 1863; present at the destruction of Malka—Medal with North-West Frontier and Umbeyla clasps.

**Patterson, William Henry**—Joined the service, 1st December 1851.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Junior Sub-Asst. Revenue Surveyor, Rechnab Doab (Punjab) Revenue Survey .	1st Dec. 1851	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Sub-Asst. Revenue Surveyor, 3rd grade, Sindh-Sagar-Doab Revenue Survey . . .	1st Oct. 1855	.....	...
Derajat	Ditto, Derajat (Trans-Indus) Survey . . .	1st July 1856	.....	...
Ditto	Ditto, 2nd grade, ditto . . .	1st May 1857	.....	...
Ditto	Ditto, 1st grade, ditto . . .	1st Jan. 1859	.....	...
...	Sub-Asst. Revenue Surveyor, 1st grade, 1st Divn. (Oudh), Revenue Survey . . .	1st Oct. 1859	.....	...
...	Asst. Revenue Surveyor, 3rd grade, 1st Divn. (Oudh), Revenue Survey . . .	1st Jan. 1862	.....	...

*Leave on private affairs for 4 months from 1st May 1862.*

Calcutta	Asst. Revenue Surveyor, 3rd grade, on deputation at Head-quarters Office (Drawing Branch) . . . . .	1st Sept. 1862	.....	...
Ditto	Asst. Revenue Surveyor, 1st grade, on deputation at Head-quarters Office (Drawing Branch) . . . . .	1st Jan. 1866	.....	...
Ditto	Civil Asst., 3rd grade, on deputation at Head-quarters Office (Drawing Branch) . . . . .	1st Apl. 1866	.....	...
...	Ditto, 2nd Divn. (Oudh), Revenue Survey	18th Apl. 1866	.....	...
...	Ditto, 2nd grade, 2nd Divn. (Oudh), Revenue Survey	1st Jan. 1868	.....	...
...	Surveyor, 2nd grade, 2nd Divn. (Oudh), Revenue Survey	1st Sept. 1869	.....	...
...	Ditto, 1st grade, 2nd Divn. (Oudh), Revenue Survey	1st Jan. 1871	.....	...
...	Ditto, 1st Divn., Lower Provinces Survey (Assam)	1st Apl. 1871	.....	...
...	Ditto, 1st grade, in charge 1st Divn., Lower Provinces Survey (Assam) . . . . .	24th Apl. 1872	.....	...
...	Ditto, attached to ditto . . . . .	13th June 1872	.....	...

*Leave on private affairs out of India for 6 months from 20th July 1872.*

Calcutta	Surveyor, 1st grade, on duty, Head-quarters Office . . . . .	29th Jan. 1873	.....	...
...	Ditto, 1st Divn., Lower Provinces Survey (Assam) . . . . .	Feb. 1873	.....	...
...	Ditto, in charge ditto . . . . .	25th Nov. 1873	.....	...
...	Ditto, in charge of the Survey of Lukhiraj Holdings, Districts Darrang and Kamrup . . . . .	1st Dec. 1874	.....	...

*Leave on private affairs out of India for 5 months and 23 days from 11th July 1879.*

...	Surveyor, 1st grade, attached to Settlement Survey, District Cachar (Assam) . . . . .	3rd Jan. 1880	.....	...
Calcutta	Ditto, and Chief Draftsman, Surveyor General's Office . . . . .	8th Aug. 1882	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Calcutta	Asst. Supdt., 2nd grade	22nd Jan. 1883	.....	...
Mirzapore	Ditto, No. 5 Topl. Party (District Mirzapore)	1st Feb. 1883	Asst. Supdt., 1st grade	1st Feb. 1883.
...	Ditto, in charge No. 2 Party, Bhopal and Malwa Topl. Survey . . . . .	5th Aug. 1884	Ditto ditto . . . . .	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	16th Sept. 1884.
Mirzapore	Asst. Supdt., 1st grade, ditto	1st Oct. 1884	Ditto ditto . . . . .	...
...	Ditto, No. 5 Topl. Party (District Mirzapore)	28th Oct. 1884	Ditto ditto . . . . .	...
...	Asst. Supdt., 1st grade, in charge No. 2 Party, Bhopal and Malwa Topl. Survey . . . . .	24th Nov. 1884	Ditto ditto . . . . .	...
Mirzapore	Ditto, in charge No. 5 Topl. Party (District Mirzapore)	11th Nov. 1885	Ditto ditto . . . . .	...
Hoshangabad	Ditto ditto (Hoshangabad)	1st Oct. 1887	Ditto ditto . . . . .	...
...	Ditto ditto, in charge No. 11 Party, Central Provinces Traverse Survey . . . . .	1st Sept. 1888	Ditto ditto . . . . .	...
...	Dy. Supdt., 4th grade, ditto . . . . .	15th Feb. 1889	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	26th Oct. 1889.
Cuttack	Ditto, in charge No. 8 Party (Orissa)	29th Oct. 1889	Ditto ditto . . . . .	...
Ditto	Dy. Supdt., 3rd grade (sub. <i>pro</i> <i>tem.</i> ) ditto . . . . .	2nd Apl. 1891	.....	...
Ditto	Ditto, ditto on special duty . . . . .	11th July 1891	.....	...
Calcutta	Ditto ditto, on special duty, Head-quarters Office . . . . .	1st Aug. 1891	.....	...

*Privilege leave for 2 months and 23 days from 11th August 1891.*

...	Dy. Supdt., 3rd grade . . . . .	13th Oct. 1891	.....	...
Mandalay	Ditto, in charge No. 12 Party (Minbu) . . . . .	19th Nov. 1891	.....	...
...	Dy. Supdt., 1st grade, ditto . . . . .	18th Aug. 1892	.....	...

*Military Services.*—As volunteer during the Mutiny of 1857-58; served against the Murree rebels—  
Medal.

**Jackson, Captain Hugh Milbourne, R.E.**—Joined the service, 19th June 1877;  
arrived, 6th April 1881.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers	19th June 1877	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>On duty at the Royal Engineering Establishment, Chatham, from 19th February 1878 to December 1879; served in the 7th Field Company, Royal Engineers (Chatham), from 20th March to 1st December 1880.</i>				
...	Posted to the Indian Establishment . . . . .	1st Feb. 1881	.....	...
<i>Served with the Bengal Sappers and Miners at Roorkee, Calcutta, in the Naga Hills, and at Rawal Pindi, from 1st May 1881 to 7th June 1883.</i>				
Kohat . . .	Asst. Supdt., 2nd grade, attached to the Kohat Survey Party . . . . .	11th June 1883	Asst. Supdt., 1st grade	11th June 1883.
Bangalore . .	Asst. Supdt., 2nd grade, Mysore Topl. Survey . . . . .	11th Oct. 1883	Ditto ditto . . . . .	...
Ditto . . . .	Ditto ditto, in charge Mysore Topl. Survey . . . . .	13th Feb. 1884	Ditto ditto . . . . .	...
Ditto . . . .	Ditto ditto, attached to Mysore Topl. Survey . . . . .	20th Mar. 1884	Ditto ditto . . . . .	...
Ditto . . . .	Ditto, 1st grade, ditto . . . . .	28th Nov. 1884	.....	...
Siula . . . .	Ditto ditto . . . . .	...	Personal Asst. to the Surveyor-General . . . . .	6th May 1885.
Basti . . . .	Asst. Supdt., 1st grade, Basti District Cadastral Survey . . . . .	1st Sept. 1885	.....	...
Ditto . . . .	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	5th Nov. 1885.
Ditto . . . .	Ditto ditto . . . . .	7th Nov. 1885	.....	...
Ditto . . . .	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	3rd Feb. 1886.
Bangalore . .	Asst. Supdt., 1st grade, Mysore Topl. Survey . . . . .	8th Mar. 1886	Dy. Supdt., 4th grade	...
Ditto . . . .	Ditto ditto . . . . .	9th Mar. 1886	.....	...
... . . . .	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	10th Mar. 1886.
... . . . .	Ditto, in charge Mysore Topl. Survey . . . . .	23rd Mar. 1886	Ditto ditto . . . . .	...
... . . . .	Ditto, No. 21 Party . . . . .	5th Nov. 1886	Ditto ditto . . . . .	...
<i>Promoted to Captain, 1st April 1888.</i>				
Rangoon . . .	Asst. Supdt., 1st grade, in charge No. 20 Party (Burma Forests) . . . . .	19th May 1888	Dy. Supdt., 4th grade	...
<i>Privilege leave for 2 months and 24 days from 1st August 1888.</i>				
Calcutta . . .	Asst. Supdt., 1st grade . . . . .	25th Oct. 1888	Dy. Supdt., 4th grade	...
Burma . . . .	Ditto, No. 21 Party (Upper Burma) . . . . .	1st Nov. 1888	Ditto ditto . . . . .	...
Ditto . . . .	Dy. Supdt., 4th grade, No. 21 Party (Upper Burma) . . . . .	26th Apl. 1889	.....	...
Ditto . . . .	Ditto, in charge Shan-Siam Boundary Commission Survey Detachment . . . . .	1st Nov. 1889	.....	...
Ditto . . . .	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	1st Dec. 1889.
Ditto . . . .	Ditto, in charge No. 11 Party (Upper Burma, II) . . . . .	16th May 1890	Ditto ditto . . . . .	...
Bangalore . .	Ditto (on special duty) . . . . .	22nd Oct. 1890	Ditto ditto . . . . .	...
... . . . .	Ditto ditto . . . . .	1st Nov. 1890	.....	...
<i>Furlough for 1 year from 8th November 1890.</i>				
... . . . .	Dy. Supdt., 3rd grade (sub. pro tem.) . . . . .	13th Oct. 1891	.....	...
Burma . . . .	Ditto ditto, in charge No. 11 Party (Upper Burma) . . . . .	4th Nov. 1891	.....	...
Ditto . . . .	Ditto ditto (confirmed) . . . . .	1st July 1892	.....	...
<i>Furlough for one year from 18th July 1892.</i>				
... . . . .	Dy. Supdt., 1st grade . . . . .	18th Aug. 1892	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, 1st April 1893.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>War Services.</i> —Upper Burma, 1886 first Southern Shan Expedition, 1886-87; Northern Karen Column, 1888-89; slightly wounded; mentioned in despatches—Medal, Burma medal, clasp, 1887-89.				

**Hodgson, Captain Godfrey Beckett, I.S.C.**—Joined the service, 1st May 1887; arrived, 21st October 1878.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Buttevant, Cork, Ireland.	2nd Lieut., 2nd Battn., H. M.'s 22nd Cheshire Regt.	1st May 1878	.....	...
<i>Attached to the Regimental Depot at Buttevant, County Cork, Ireland, till 26th September 1878.</i>				
Allahabad	2nd Lieut. . . . .	21st Oct. 1878	.....	...
Ditto	Lieut. . . . .	13th Nov. 1878	.....	...
Afghanistan	Apptd. (on probn.) to the Bengal Staff Corps . . .	3rd Aug. 1880	Wing Officer, 4th Goorkha Regt. . .	3rd Aug. 1880.
Bukloh	Lieut. . . . .	...	Qr. Mr., 4th Goor- khas . . .	23rd Dec. 1880.
Ditto	Lieut., Bengal Staff Corps, and Wing Officer, 4th Goorkhas	15th Sept. 1881	Qr. Mr., 4th Goor- khas . . .	...
Almora	Ditto and Wing Officer, 3rd Goorkhas . . . . .	27th Feb. 1883	.....	...
Gujrat	Lieut., Bengal Staff Corps, and Wing Officer, 3rd Goorkhas .	...	Asst. Supdt., 2nd grade, Survey of India (on probn.), attached to Gujrat Party . . . . .	12th Sept. 1883.
Ditto	Asst. Supdt., 2nd grade, attach- ed to Gujrat Party . . . . .	23rd July 1884	Asst. Supt., 1st grade	23rd July 1884.
Simla	Ditto, on duty at Head- quarters Office . . . . .	8th Sept. 1885	Ditto ditto . . .	...
Ditto	Ditto, 1st grade, ditto . . .	26th Oct. 1885	.....	...
Calcutta	Ditto ditto . . . . .	..	Dy. Supdt., 4th grade	21st Mar. 1886.
Ditto	Ditto ditto . . . . .	24th Nov. 1887	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	25th Nov. 1887.
Ditto	Ditto ditto . . . . .	30th Nov. 1887	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	6th Jan. 1888.
Ditto	Ditto ditto . . . . .	25th Jan. 1888	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	11th Feb. 1888.

*Furlough to Europe for 1 year 7 months and 28 days from 4th March 1889.*

*Promoted to Captain, 1st May 1889.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Dy. Supdt., 4th grade	5th May 1889	...	...
Calcutta	Ditto, attached to Headquarters Office, Calcutta	1st Nov. 1890	Dy. Supdt., 3rd grade	1st Nov. 1890.
Hazaribagh	Ditto in charge No. 4 Party (Western Dooras)	17th Nov. 1890	Ditto ditto	...
Ditto	Ditto ditto	5th Dec. 1890	...	...
Ditto	Ditto ditto	18th Aug. 1892	Dy. Supdt., 3rd grade	14th Mar. 1891.
Ditto	Dy. Supdt., 2nd grade ditto	18th Aug. 1892	Dy. Supdt., 1st grade	18th Aug. 1892.
Diuapur	Ditto, in charge Nos. 4 and 5 Parties (Behar)	1st Nov. 1892	.....	...

*Privilege leave for 2 months from 1st July 1893.*

*War Services.*—Afghanistan, from 3rd August to 9th October 1880, as Officiating Wing Officer, 4th Goorkhas—Medal.

**Burrard, Captain Sidney Gerald, R.E.**—Joined the service, 6th April 1879; arrived, 10th January 1883.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Engineers	6th Apl. 1879	.....	...
...	Joined at Chatham	2nd June 1879	.....	...
...	Asst. Secy. to Ordnance Committee for Gunnery Experiments	3rd Apl. 1881	.....	...
...	Posted to the Indian Establishment	8th Dec. 1882	.....	...
...	Attached to Bengal Sappers and Miners	10th Jan. 1883	.....	...
Quetta	Attached to P. W. D., Military Works, Baluchistan	24th Mar. 1883	.....	...
Ditto	Personal Asst. to Supdg. Engineer and Secy. to Governor General's Agent for Baluchistan	2nd Apl. 1883	.....	...
Delhra	Asst. Supdt., 2nd grade, Trigonometrical Branch Office	2nd Sept. 1884	Asst. Supdt., 1st grade	2nd Sept. 1884.
...	Ditto Astronomical No. 1 Party (Electro-Longitude Operations)	9th Oct. 1885	.....	...
...	Ditto ditto, in charge ditto	24th Jan. 1886	.....	...
...	Asst. Supdt., 1st grade, in charge Astronomical No. 1 Party (Electro-Longitude Operations)	10th Mar. 1886	.....	...
...	Ditto ditto	...	Dy. Supdt., 4th grade	21st Mar. 1886.
...	Ditto, and in charge Astronomical No. 2 Party	15th Oct. 1886	Ditto ditto	...
...	Ditto ditto	14th May 1887	.....	...
...	Ditto ditto	...	Dy. Supdt., 4th grade	15th May 1887.
...	Ditto ditto	24th Oct. 1887	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Made over charge of No. 23 Party (Astronomical II) on 1st October 1887, and that of No. 22 Party (Astronomical I) on 1st November 1887.</i>				
...	Asst. Supdt., 1st grade, doing duty in the Trigouometrical Branch Office . . . . .	1st Nov. 1887	Dy. Supdt., 4th grade	4th Nov. 1887.
...	Ditto ditto . . . . .	12th Nov. 1887	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	15th Feb. 1888.
...	Ditto, in charge Computing Party . . . . .	10th Apl. 1888	Ditto ditto . . . . .	...
...	Asst. Supdt., 1st grade, in charge No. 23 Party (Astronomical II) . . . . .	14th July 1888	Ditto ditto . . . . .	...
...	Ditto ditto, and in charge No. 22 Party (Astronomical I) . . . . .	17th July 1888	Ditto ditto . . . . .	...
<i>Made over charge of both parties, 1st November 1888.</i>				
...	Asst. Supdt., 1st grade, attached to Computing Party . . . . .	23rd Feb. 1889	Ditto ditto . . . . .	...
<i>Promoted to Captain, 1st April 1889.</i>				
...	Asst. Supdt., 1st grade, in charge Nos. 22 and 23 Parties . . . . .	3rd May 1889	.....	...
...	Ditto ditto and No. 24 Party . . . . .	11th June 1889	.....	...
...	Dy. Supdt., 4th grade . . . . .	28th June 1889	.....	...
<i>Made over charge of No. 24 Party (Upper Burma), 19th August 1889, and of No. 23 Party (Astronomical II) on 1st October 1889.</i>				
...	Dy. Supdt., 4th grade . . . . .	...	Dy. Supdt., 3rd grade . . . . .	27th Aug. 1890.
<i>Made over charge of No. 22 Party (Astronomical I) on 22nd October 1890.</i>				
<i>Furlough to Europe on medical certificate for one year from 2nd November 1890.</i>				
...	Dy. Supdt., 4th grade, in charge No. 22 Party (Astronomical) . . . . .	2nd Nov. 1891	Dy. Supdt., 3rd grade	2nd Nov. 1891.
Mussoorie .	Ditto ditto, and in charge Computing Party . . . . .	4th May 1892	Ditto ditto . . . . .	...
<i>Made over charge of Computing Party, 8th August 1892.</i>				
Mussoorie .	Dy. Supdt., 2nd grade, in charge No. 22 Party (Astronomical) . . . . .	18th Aug. 1892	Dy. Supdt., 1st grade	18th Aug. 1892.



Scott, George Ba tley—Joined the service, 1st May 1863.

Station.	Substantive Appointment.	Date.	Officiating Appoint- ment.	Date.
North-West Frontier	Junior Sub.-Asst. Rev. Surveyor, North-West Frontier Revenue Survey . . . . .	1st May 1863	.....	...
Hazara	Sub-Asst. Rev. Surveyor, 4th grade . . . . .	1st Jan. 1866	.. ..	...
Ditto	Ditto, 3rd grade . . . . .	15th Dec. 1866	.....	...
<i>Accompanied Black Mountain Expedition, August to 31st October 1868.</i>				
<i>Privilege leave for 1 month from 1st November 1868.</i>				
Hazara	Asst. Surveyor, 3rd grade . . . . .	1st Sept. 1869	.....	...
<i>Privilege leave for 1 month from 1st October 1869.</i>				
Kaghan Valley	Asst. Surveyor, 2nd grade . . . . .	15th Dec. 1869	.....	...
Assam	Ditto, 1st grade . . . . .	15th Dec. 1871	.....	...
Ditto	Surveyor, 4th grade . . . . .	15th Dec. 1874	.....	...
Darjeeling	Ditto ditto . . . . .	Aug. 1875	.....	...
Punjab	Ditto, 4th grade, Punjab Rev. Survey . . . . .	Oct. 1876	.....	...
<i>Privilege leave for 29 days from 11th September 1878.</i>				
Dehra Dún	Surveyor, 3rd grade, Punjab Rev. Survey . . . . .	18th July 1879	.....	...
<i>During 1879-80 attached to Intelligence Branch, Quarter Master General's Department, Afghanistan.</i>				
Punjab	Surveyor, 3rd grade, Punjab Rev. Survey . . . . .	14th June 1880	.....	...
Rawal Pindi	Surveyor, 1st grade . . . . .	5th Sept. 1883	.....	...
Baluchistan	Ditto, Baluch. Topl. Party . . . . .	1st Aug. 1884	.....	...
<i>Employed with the Zhob Valley Expedition from 16th September to 9th November 1884.</i>				
Simla	Asst. Supdt., 2nd grade . . . . .	10th Nov. 1884	Asst. Supdt., 1st grade	10th Nov. 1884.
	Ditto, on deputation to Q. M. G.'s Department . . . . .	Jan. 1885	Ditto ditto . . . . .	...
Central Provinces	Asst. Supdt., 2nd grade, Bilaspur Dist. (C. P.), Cadl. Survey . . . . .	1st Oct. 1885	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	26th Oct. 1886.
...	Asst. Supdt., 2nd grade . . . . .	...	Asst. Supdt., 1st grade	27th Oct. 1886.
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	18th Nov. 1886.
...	Ditto ditto . . . . .	...	Asst. Supdt., 1st grade	9th Dec. 1886.
...	Asst. Supdt., 1st grade . . . . .	19th Feb. 1887	.....	...
...	Ditto, in charge Bilaspur District Cadastral Survey . . . . .	26th Feb. 1887	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	8th June 1887.
...	Ditto ditto . . . . .	30th Aug. 1887	.....	...
...	Asst. Supdt., 1st grade, in charge Srinagar Wards' Estate Survey, afterwards called No. 4A Party (Srinagar) . . . . .	28th Nov. 1887	.....	...
...	Ditto ditto (and Burdwan Khas Mohals Survey) . . . . .	...	.....	...
Kyauksé	Asst. Supdt., 1st grade, in charge No. 3 Party (Kyauksé) . . . . .	24th Oct. 1889	Dy. Supdt., 4th grade	21st June 1888.
			Ditto ditto . . . . .	...



Eccles, John, M.A.—Joined the service, 30th May 1885; arrived, 30th May 1885.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Appointed by Her Majesty's Secretary of State for India.</i>				
Calcutta	Asst. Supdt., 2nd grade, Survey of India, Head-quarters Office	30th May 1885	.....	...
Dehra Dún	Ditto ditto, Computing Party	26th July 1885	.....	...
Ditto	Asst. Supdt., 2nd grade, in charge Computing Party	23rd Sept. 1885	.....	...
Ditto	Ditto, attached to ditto	23rd Dec. 1885	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	30th May 1886.
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	20th Nov. 1886.
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	23rd Nov. 1886.
Poona	Asst. Supdt., 2nd grade, No. 25 Party (Tidal and Levelling)	1st Nov. 1887	Asst. Supdt., 1st grade	...
Ditto	Ditto, 1st grade, ditto	11th Apl. 1888	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	17th July 1888.
Mussoorie	Ditto ditto, in charge Nos. 22 and 23 Parties (Astronomical I and II)	1st Nov. 1888	Ditto ditto	...
Ditto	Ditto ditto	7th Jan. 1889	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	20th Feb. 1889.
Ditto	Ditto ditto, attached to Nos. 22 and 23 Parties (Astronomical I and II)	4th May 1889	Ditto ditto	...
<i>Privilege leave for 3 months from 4th May 1889.</i>				
<i>On Special Duty from 4th to 18th August 1889.</i>				
Burma	Asst. Supdt., 1st grade, in charge No. 24 Party (Upper Burma)	19th Aug. 1889	Dy. Supdt., 4th grade	...
Mussoorie	Ditto ditto, Trigl. Branch Office	8th Sept. 1890	Ditto ditto	...
Ditto	Ditto ditto, in charge Computing Party	27th Oct. 1890	Ditto ditto	...
Dehra Dún	Dy. Supdt., 4th grade, in charge Computing Party	10th Dec. 1890	.....	...
Ditto	Ditto ditto, Computing Party	29th Jan. 1891	.....	...
Ditto	Ditto ditto, in charge Computing Party	2nd Apl. 1891	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	7th May 1891.
Ditto	Ditto ditto	4th Nov. 1891	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	1st Apl. 1892.
<i>Privilege leave for 3 months from 4th May 1892.</i>				
Dehra Dún	Dy. Supdt., 4th grade	2nd Aug. 1892	Dy. Supdt., 3rd grade	2nd Aug. 1892.
Ditto	Ditto, in charge Computing Party	8th Aug. 1892	Ditto ditto	...
Ditto	Ditto, 2nd grade, ditto	18th Aug. 1892	Ditto, 1st grade	18th Aug. 1892.
Ditto	Ditto ditto	19th Jan. 1893	.....	...

Fleming, Captain John Murchison, I.S.C.—Joined the service, 13th August 1879; arrived, 24th October 1879.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	2nd Lieut., 25th "King's Own Borderers"	13th Aug. 1879	.....	...
...	Lieut., ditto	21st June 1880	.....	...
...	Appointed (on probation) to the Bengal Staff Corps.	22nd July 1882	Wing Officer, 22nd Punjab Infantry	22nd July 1882.
...	Ditto ditto	...	Wing Officer, 4th Bengal Infantry	4th Oct. 1882.
...	Ditto ditto	...	Quarter Master, ditto	4th Sept. 1883.
...	Appointed to Bengal Staff Corps	8th Feb. 1884	.....	...
...	Adjt., 4th Bengal Infantry	15th Apl. 1885	.....	...
...	Ditto ditto	...	Asst. Supdt., 2nd grade, Survey of India (sub. <i>pro tem.</i> )	3rd July 1885.
...	Asst. Supdt., 2nd grade (on probation)	22nd Oct. 1885	...	...
Mussoorie	Ditto, No. 18 Party (Himalaya)	21st Sept. 1886	.....	...
...	Ditto, ditto (confirmed)	14th May 1887	Asst. Supdt., 1st grade	14th May 1887.
...	Ditto, 1st grade, No. 18 Party (Himalaya)	17th July 1888	.....	...
...	Ditto ditto	...	Dy. Supdt., 4th grade	1st Sept. 1888.
...	Ditto ditto	23rd Oct. 1888	.....	...
...	Ditto ditto	...	Dy. Supdt., 4th grade	1st Nov. 1888.
Nagpore	Ditto, No. 3 Party	13th Nov. 1888	Ditto ditto	...
...	Ditto ditto	23rd Dec. 1888	.....	...
...	Ditto ditto	...	Dy. Supdt., 4th grade	20th Feb. 1889.
...	Ditto, No. 21 Party (Upper Burma)	1st Oct. 1889	.....	...
...	Ditto, in charge No. 11 Party (Upper Burma II)	4th Nov. 1889	.....	...
<i>Furlough on medical certificate for 2 years from 9th January 1890.</i>				
<i>Promoted to Captain, 13th August 1890.</i>				
...	Dy. Supdt., 4th grade	19th Feb. 1891	.....	...
Calcutta	Ditto, attached to Headquarters Office	9th Jan. 1892	.....	...
Sinla	Ditto, attached to No. 18 Party (Himalaya)	14th Mar. 1892	.....	...
Ditto	Ditto, in charge No. 18 Party (Himalaya)	26th Mar. 1892	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	15th Apl. 1892.
Ditto	Ditto, attached to No. 20 Party (Burma)	2nd Aug. 1892	Ditto ditto	...
Ditto	Ditto, in charge ditto	13th Aug. 1892	Ditto ditto	...
Ditto	Ditto, 2nd grade, ditto	18th Aug. 1892	Ditto, 1st grade	18th Aug. 1892.
Ditto	Ditto ditto	2nd Nov. 1892	.....	...
...	Ditto, in charge No. 2 Party (Eastern Bengal)	24th Nov. 1892	.. ..	...

*War Service.*—Served with 25th "King's Own Borderers" in the Khyber Line Field Force from 18th December 1879 to 31st August 1880; expeditious against Mohmands and into Lughman Valley—Medal.

**Pope, Thomas Archdale.**—Joined the service, 17th July 1880.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Cuddapah	2nd Class Inspector of Police	17th July 1880	.....	...
Madras	Proby. 2nd grade Asst. Supdt., Madras Survey, doing duty in the Central Office	2nd Feb. 1881	.....	...
Bellary	Ditto, Rev. Survey, No. 2 Party	9th Feb. 1881	.....	...
Ditto	2nd grade Asst. Supdt., Rev. Survey, No. 2 Party	1st Sept. 1881	.....	...
Madras	Ditto, on duty Central Office	19th Dec. 1881	.....	...
Madura	2nd grade Asst. Supdt., Rev. Survey, No. 2 Party	2nd Mar. 1882	.....	...
Ditto	2nd grade Asst. Supdt., Rev. Survey, No. 1 Party	1st Dec. 1882	.....	...
<i>Privilege leave for 2 months from 7th May 1883.</i>				
Tanjore	2nd grade Asst. Supdt., Rev. Survey, No. 3 Party	7th July 1883	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	18th Mar. 1884.
Ditto	2nd grade Asst. Supdt., Rev. Survey	19th June 1884	.....	...
Ditto	Asst. Supdt., 1st grade, Rev. Survey	3rd Sept. 1884	.....	...
Madras	Asst. Supdt., 1st grade, on duty Central Office	22nd Sept. 1885	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 2nd grade, in charge Central Office	1st Oct. 1885.
Trichinopoly	Ditto ditto, No. 3 Party	3rd Dec. 1885	.....	...
<i>Privilege leave for 3 months from 1st July 1886.</i>				
<i>Services placed at the disposal of the Government of India from 1st October 1886.</i>				
Calcutta	Asst. Supdt., 2nd grade, Survey of India	1st Oct. 1886	.....	...
Ditto	Ditto ditto, attached to Photo. and Litho. Offices	...	Asst. Supdt., 1st grade	14th Oct. 1886.
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	14th Nov. 1888.
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	7th Dec. 1888.
Ditto	Asst. Supdt., 1st grade, ditto	15th Feb. 1889	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	27th Mar. 1889.
...	Ditto ditto, Personal Asst. to the Surveyor-General	9th Dec. 1889	Ditto ditto	...
<i>Privilege leave for 3 months from 14th April 1890.</i>				
...	Asst., Supdt., 1st grade	...	Offg. Asst. Surveyor-General	21st July 1890.
...	Ditto ditto, attached to Head-quarters Office	Oct. 1890	.....	...
Calcutta	Dy. Supdt., 4th grade	31st Mar. 1891	.....	...
...	Ditto ditto	...	Asst. Surveyor-General in charge Photo.-Litho. Office	7th May 1891.
Ditto	Ditto ditto	...	Dy. Supdt., 3rd grade	9th June 1891.
Ditto	Ditto ditto	2nd Nov. 1891	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Furlough for 1 year from 21st November 1891.</i>				
Calcutta	Dy. Suptd. 2nd grade . . . . .	18th Aug. 1892	.....	...
...	Ditto, attached to Head-quarters Office . . . . .	29rd Nov. 1892	.....	...

**Renny-Tailyour, Captain Thomas Francis Bruce, R.E.—**Joined the service, 14th February 1883 ; arrived, 31st March 1885.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers . . . . .	14th Feb. 1883	.....	...
<i>On duty at the Royal Engineering Establishment, Chatham, from 28th March 1883 to 3rd January 1885.</i>				
...	Posted to the Indian Establishment . . . . .	2nd Mar. 1885	.....	...
Roorkee	Attached to the Bengal Sappers and Miners . . . . .	4th Apl. 1885	.....	...
...	Lieutenant . . . . .	...	Asst. Engr., 2nd grade (sub. <i>pro tem</i> ), Mily. Works Dept. . . . .	23rd Sept. 1885.
...	Asst. Engr., 2nd grade, Mily. Works Dept. . . . .	4th Mar. 1886	.....	...
...	Ditto ditto . . . . .	...	Asst Engineer, 1st grade (sub. <i>pro tem</i> ), Mily. Works Dept. . . . .	7th Jan. 1887.
...	Asst. Engr., 1st grade, Mily. Works Dept. . . . .	1st Nov. 1887	.....	...
Upper Burma .	Asst. Suptd., 2nd grade, attached to No. 21 Party (Upper Burma) . . . . .	1st Apl. 1888	.....	...
Ditto	Ditto ditto . . . . .	...	Asst. Suptd., 1st grade . . . . .	1st. Jan. 1889.
Ditto	Asst. Suptd., 1st grade, attached to No. 21 Party (Upper Burma) . . . . .	26th Mar. 1889	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Suptd., 4th grade . . . . .	20th Apl. 1889.
<i>Special Burma privilege leave for 2 months and 28 days from 20th-July 1889.</i>				
...	Asst. Suptd., 1st grade, in charge Chin-Lushai Expedition Survey Detachment, Burma Column . . . . .	16th Dec. 1889	.....	...
Upper Burma .	Asst. Suptd., 1st grade, attached to No. 21 Party (Upper Burma) . . . . .	16th Apl. 1890	Dy. Suptd., 4th grade . . . . .	18th Apl. 1890.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>On Special Duty in connection with an Expedition in Upper Burma along the Chinese Frontier, from 21st December 1890 to 7th May 1891.</i>				
...	Dy. Supdt., 4th grade (sub. <i>pro tem.</i> ) . . . . .	2nd Apl. 1891	.....	...
Upper Burma .	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	11th June 1891.
	Ditto, in charge	1st July 1891	Dy. Supdt., 3rd grade	...
	No. 11 Party (Upper Burma II)			
<i>Promoted to Captain, 13th August 1891.</i>				
Upper Burma .	Dy. Supdt., 4th grade, in charge No. 11 Party (Upper Burma). (Confirmed) . . . . .	13th Oct. 1891	Dy. Supdt., 3rd grade	...
Ditto .	Ditto ditto . . . . .	20th Oct. 1891	.....	...
Ditto .	Ditto ditto, attached to No. 21 Party (Upper Burma)	4th Nov. 1891	.....	...
Ditto .	Ditto ditto, in charge	22nd Feb. 1892	.....	...
Ditto .	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	16th May 1892.
Ditto .	Ditto ditto . . . . .	5th June 1892	.....	...
Ditto .	Ditto ditto and	5th June 1892	.....	...
...	in charge No. 11 Party . . . . .	5th June 1892	Dy. Supdt., 3rd grade	8th July 1892
...	Ditto ditto . . . . .	...		

*Made over charge of No. 11 Party on 11th July 1892 and No. 21 Party on 20th July 1892.*

*Privilege leave for 3 months from 20th July 1892.*

Upper Burma .	Dy. Supdt., 2nd grade . . . . .	18th Aug. 1892	Dy. Supdt., 1st grade	...
	Ditto in charge No. 21 Party (Upper Burma) . . . . .	20th Oct. 1892	.....	...

*Furlough (on private affairs) for 1 year from 6th May 1893.*

**War Services.**—Attached to (Queen's Own) Sappers and Miners from 30th October 1885 for active service in Upper Burma, and was appointed an Assistant Engineer, Upper Burma Field Force, from 16th November 1885 to 31st March 1888; accompanied the force under General Sir H. Prendergast, K.C.B., and was present at the taking of Mandalay; mentioned in Despatches of Major-General Sir G. White, K.C.B., V.C.; was thanked by the Commander-in-Chief for Intelligence work in the field—India medal with two clasps; Burma, 1885-87, and Burma, 1887-89; served with the Burma Column of the Chin-Lushai Expeditionary Force from 16th December 1889 to 17th April 1890; mentioned in Despatches of Brigadier-General W. P. Symons; services acknowledged by Government of India—Clasp; Chin-Lushai, 1889-9; accompanied Special Expedition in Upper Burma along the Chinese Frontier from 21st December 1890 to 7th May 1891.

**Mackenzie, Captain Ronald Joseph Henry Lewis, R.E.**—Joined the service, 25th July 1882; arrived, 3rd February 1887.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers . . . . .	25th July 1882	.....	...

*Served with the Suakim Field Force in 1885.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Posted to the Indian Establishment	4th Jan. 1887	.....	...
Quetta .	Attached Officer, Baluchistan Command, Mily. Works	3rd Feb. 1887	.....	...
Ditto .	Ditto ditto	...	Asst. Engr., 2nd grade, Mily. Works Dept.	7th Mar. 1887.
Ditto .	Asst. Engineer, 2nd grade, Mily. Works Dept.	1st Nov. 1887	.....	...
Dehra Dún .	Asst. Supdt., 2nd grade, Survey of India, attached to No. 16 Party (Baluchistan II)	26th Mar. 1888	.....	...
Quetta .	Ditto ditto, attached to No. 15 Party (Baluchistan)	1st Oct. 1888	.....	...
Ditto .	Ditto ditto	...	Asst. Supdt., 1st grade	1st Jan. 1889.
Ditto .	Asst. Supdt., 1st grade, attached to No. 15 Party (Baluchistan)	27th Mar. 1889	.....	...
Ditto .	Ditto ditto	...	Dy. Supdt., 4th grade	7th May 1889.

*Accompanied the Gomal Expedition in 1889-90.*

*Privilege leave for 1 month from 9th June 1890.*

*Promoted to Captain, 24th September 1890.*

*On Special Duty with the Zhob Valley Field Force from 1st October to 30th November 1890.*

Quetta .	Asst. Supdt., 1st grade, in charge No. 15 Party (Baluchistan)	10th Apl. 1891	Dy. Supdt., 4th grade	...
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*Served as Survey Officer with the Miranzai Field Force from 28th April to 8th June 1891.*

Quetta .	Asst. Supdt., 1st grade, in charge No. 15 Party (Baluchistan)	23rd June 1891	Dy. Supdt., 4th grade	...
Ditto .	Ditto ditto	...	Ditto, 3rd grade	22nd July 1891.
Ditto .	Ditto ditto	...	Ditto, 4th grade	16th Oct. 1891.
Ditto .	Dy. Supdt., 4th grade (sub. <i>pro tem.</i> ), in charge No. 15 Party (Baluchistan)	13th Oct. 1891	.....	...
Ditto .	Ditto ditto, attached to ditto	16th Oct. 1891	.....	...

*Privilege leave for 3 months, from 23rd May 1892, and overstayed it by 4 days, 23rd to 26th August 1892.*

Quetta .	Dy. Supdt., 4th grade (confirmed), attached to No. 15 Party (Baluchistan)	1st July 1892	.....	...
Ditto .	Ditto ditto	...	Dy. Supdt., 3rd grade	13th Aug. 1892.
Ditto .	Ditto, 2nd grade, ditto	18th Aug. 1892	Dy. Supdt., 1st grade.	18th Aug. 1892.
Ditto .	Ditto ditto	27th Aug. 1892	Ditto ditto	27th Aug. 1892.
Ditto .	Ditto ditto	8th Oct. 1892	.....	...

*Served as survey officer attached to the Khajuri Kach Field Force during September and October 1892.*

**War Services.**—Served with the Suakim Field Force in 1885, and was present at the actions at Hasheen, the attack on the Convoy, 26th March, and Tamai, and received a medal and clasp and the Khedive's star; accompanied the Gomal Expedition in 1889-90; on special duty with the Zhob Valley Field Force from 1st October to 30th November 1890; survey Officer with the Miranzai Field Force from 28th April to 8th June 1891; mentioned in Despatches—Medal; served as Survey Officer with the Khajuri Kach Field Force during September and October 1892.



Bythell, Captain William John, R.E.—Joined the service, 25th July 1882 ;  
arrived, 20th October 1886.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Engineers .	25th July 1882	....	...
<i>Served in South Africa, 14th November 1884 to 22nd September 1886.</i>				
...	Posted to the Indian Establish- ment . . . . .	2nd Sept. 1886	....	...
Kirkee .	Attached to Bombay Sappers and Miners . . . . .	23rd Oct. 1886	... ..	...
Quetta .	Asst. Engineer, 2nd grade, Sind-Pishin State Ry. . . . .	20th July 1887	....	...
Kach-Quetta Survey (Rail- way).	Asst. Engineer, 2nd grade, Sind-Pishin State Ry. . . . .	1st Sept. 1887	....	...
Khojak .	Ditto ditto . . . . .	1st Dec. 1887	....	...
<i>Privilege leave for 2 months and 14 days from 11th February 1889.</i>				
Simla .	Asst. Supdt., 2nd grade, Survey of India, attached to No. 1 Party (Punjab) . . . . .	29th May 1889	....	...
Ditto .	Ditto, attached to No. 18 Party (Himalaya) . . . . .	1st July 1889	....	...
Ditto .	Ditto, attached to Head- quarters Office . . . . .	12th Oct. 1889	....	...
...	Ditto, in charge Chin- Lushai Expedition Survey Detachment, Chittagong Column . . . . .	20th Nov. 1889	....	...
Calcutta .	Ditto, Head-quarters Office	9th May 1890	....	...
<i>Leave on medical certificate for 3 months from 4th June 1890.</i>				
Calcutta .	Asst. Supdt, 2nd grade, attach- ed to Head-quarters Office . . . . .	4th Sept. 1890	....	...
Ditto .	Asst. Supdt., 1st grade, attached to Head-quarters Office . . . . .	1st Oct. 1890	Dy. Supdt., 4th grade	1st Oct. 1890.
Simla .	Ditto ditto, No. 18 Party (Himalaya) . . . . .	1st Nov. 1890	Ditto ditto .	...
<i>Promoted to Captain, 15th January 1891.</i>				
Simla .	Asst. Supdt., 1st grade, in charge No. 18 Party (Hima- laya) . . . . .	11th Mar. 1891	Dy. Supdt., 4th grade	...
Ditto .	Ditto ditto, attached to No. 18 Party (Himalaya) . . . . .	1st Apl. 1891	Ditto ditto .	...
Calcutta .	Ditto ditto, attached to Head-quarters Office . . . . .	1st Nov. 1891.	Ditto ditto .	...
Simla .	Ditto ditto, attached to No. 18 Party (Himalaya) . . . . .	1st July 1892	Ditto ditto .	...
Ditto .	Ditto ditto, in charge ditto . . . . .	16th July 1892	Ditto Ditto .	...
Ditto .	Ditto ditto . . . . .	...	Ditto 2nd grade	18th Aug. 1892.
Kamptee .	Asst. Supdt, 1st grade, in charge No. 9 Party (Central Pro- vinces) . . . . .	28th Oct. 1892	Ditto Ditto .	...

*War Services.*—With expedition to Bechuannaland under Sir Charles Warren, 1884-85, as Survey Officer, and served in Topographical and Intelligence Departments and on Transvaal Boundary Survey; honourably mentioned; Chin-Lushai Expedition, 1889-90, as Survey Officer with Chittagong Column; mentioned in Despatches; services acknowledged by Government of India—Medal and clasp.

**Lenox-Conyngham, Lieutenant Gerald Ponsonby, R.E.**—Joined the service, 16th September 1885; arrived, 21st January 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Engineers .	16th Sept. 1885	.....	...
...	Posted to the Indian Establishment	22nd Dec. 1887	.....	...
Rawal Pindi .	Lieutenant, Royal Engineers .	...	Asst. Engineer, 2nd grade, Mily. Works Dept. . . . .	14th Feb. 1888.
Murree. .	Ditto . . . . .	...	Ditto, in charge of the Murree Sub-division . . . . .	Apr. 1888.
Umballa .	Ditto . . . . .	...	Ditto, Sirhind and Lahore Command, Umballa Division . . . . .	15th May 1889.

*Employed on Chor Survey Party until 25th June 1889.*

Mussoorie .	Asst. Supdt., 2nd grade, Survey of India, No. 22 Party .	16th July 1889	.....	...
Ditto .	Ditto ditto, in charge No. 23 Party (Astrol. II) .	1st Oct. 1889	.....	...
Ditto .	Asst. Supdt., 1st grade, in charge No. 23 Party (Astrol. II) . . . . .	1st Oct. 1890	...	...
Ditto .	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	1st Oct. 1890.
Ditto .	Ditto ditto, in charge Nos. 22 and 23 Parties (Astrol. I and II) . . . . .	22nd Oct. 1890	Ditto ditto . . . . .	...
Ditto .	Ditto ditto . . . . .	5th Dec. 1890	.....	...
Ditto .	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	14th Mar. 1891.

*Made over charge of No. 22 Party (Astrol.), 2nd November 1891.*

Mussoorie .	Asst. Supdt., 1st grade, in charge No. 23 Party (Astronomical) .	...	Dy. Supdt., 2nd grade	18th Aug. 1892.
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**Close, Captain Charles Frederick, R.E.**—Joined the service, 5th July 1884; arrived, 2nd January 1889.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Engineers .	5th July 1884	.....	...

*Served at Gibraltar, December 1885 to December 1886.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Posted to the Indian Establishment	3rd Dec. 1888	.....	...
...	Attached to Military Works Department	17th Jan. 1889	.....	...
Barrackpore .	Asst. Engineer, 2nd grade	13th Feb. 1889	.....	...
Hooghly .	Ditto ditto, Hooghly Defences	1st Mar. 1889	.....	...
Calcutta .	Asst. Supdt., 2nd grade, Survey of India, Head-quarters	3rd Dec. 1889	.....	...
Bangalore .	Ditto ditto, in charge No. 11 Party (Upper Burma II)	6th Jan. 1890	.....	...
Ditto .	Ditto ditto, attached to No. 11 Party (Upper Burma II)	16th May 1890	.....	...
Mussoorie .	Ditto ditto, attached to Computing Party	22nd Aug. 1890	.....	...
Ditto .	Ditto ditto, in charge No. 24 Party	8th Sept. 1890	.....	...
Burma .	Asst. Supdt., 1st grade, in charge No. 24 Party	1st Oct. 1890	.....	...
Ditto .	Ditto ditto	...	Dy. Supdt., 4th grade	22nd Oct. 1890.
Ditto .	Ditto ditto	24th Oct. 1890	.....	...
Ditto .	Ditto ditto	...	Dy. Supdt., 4th grade	31st Oct. 1890.
Ditto .	Ditto ditto	1st Nov. 1890	Ditto ditto	1st Nov. 1890.
Ditto .	Ditto ditto	18th Nov. 1890	.....	...
Ditto .	Ditto ditto	...	Dy. Supdt., 4th grade	2nd Apl. 1891.
Ditto .	Ditto ditto	...	Ditto, 2nd grade	18th Augt. 1892.
<i>Promoted to Captain, 1st October 1892.</i>				
Burma .	Asst. Supdt., 1st grade, attached to No. 21 Party (Upper Burma)	6th May 1893	Dy. Supdt., 2nd grade	

**Wood, Charles.**—Joined the service, 6th May 1858.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Mussoorie .	Sub-Asst. Surveyor, 3rd class, Computing Office, Great Trigl. Survey	6th May 1858	.....	...
Mussoorie .	Sub-Asst. Surveyor, 2nd class, Computing Office, Great Trigl. Survey	1st Nov. 1860	.....	...
Umballa .	Ditto, No. 3 Extra Party	1st Sept. 1861	.....	...
Kashmir .	Ditto, 2nd class, Kashmir Party	1st Mar. 1862	.....	...
Ditto .	Ditto, 1st class, Kashmir Party	1st May 1863	.....	...

*Privilege leave for 3 months from 1st June 1864.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún	Sub-Asst. Surveyor, 1st class, Computing Office	1st May 1865	.....	...
Ditto	Civil Asst., 4th grade, Computing Office	1st July 1868	.....	...
Ditto	Surveyor, 4th grade, Computing Office	1st Sept. 1869	.....	...
Ditto	Ditto, 3rd grade, Computing Office	1st Apl. 1871	.....	...
<i>Privilege leave for 42 days from 21st December 1874.</i>				
Dehra Dún	Surveyor, 2nd grade, Computing Office	1st May 1878	.....	...
Ditto	Ditto, 1st grade, Computing Office	1st Apl. 1883	.....	...
Ditto	Asst. Supdt., 2nd grade, Computing Office	3rd Dec. 1889	.....	...
Poona	Ditto, in charge No. 25 Party (Tidal and Levelling)	16th Dec. 1889	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	1st Oct. 1890.
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	4th Nov. 1890.
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	15th Nov. 1890.
Rangoon	Ditto, in charge No. 7 Party (Thongwa)	1st Dec. 1890	Ditto ditto	...
Moulmein	Ditto, 1st grade, in charge No. 7 Party (Thongwa)	10th Dec. 1890	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	10th Apl. 1891.
Ditto	Ditto ditto	...	.....	...
Ditto	(Amherst) ditto	12th Nov. 1891	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	19th Nov. 1891.
Ditto	Ditto ditto	9th Jan. 1892	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	26th Mar. 1892.
Ditto	Ditto ditto	...	Ditto, 2nd grade	18th Aug. 1892.
<p><i>Literary Works.</i>—Took part in the completion of Volumes VII and VIII of the "Account of the Operations of the Great Trigonometrical Survey of India" by contributing introductory accounts of the works on several of the series; prepared similar accounts for Synoptical Volume XIII A and for the Synoptical Volume of the Assam Longitudinal Series; compiled Report on Explorations in Nepal and Thibet, by Explorer M. H. (1885-86).</p>				

**Crichton, Lieutenant Richmond Trevor, I.S.C.**—Joined the service, 23rd August 1884; arrived, 29th October 1884.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lient., 2nd Battalion, the Highland Light Infantry	23rd Aug. 1884	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Appointed (on probation) to the Bengal Staff Corps .	4th June 1888	Wing Officer, 31st Punjab Infantry .	4th June 1888.
...	Admitted to Bengal Staff Corps	8th Oct. 1889	.....	...
Naini Tal .	Asst. Supdt., 2nd grade, Survey of India, attached to No. 5 Party (Jhansi).	16th Dec. 1889	.....	...
Ditto .	Ditto ditto .	...	Asst. Supdt., 1st grade .	16th Dec. 1890.
Ditto .	Asst. Supdt., 1st grade, ditto .	19th Feb. 1891	.....	...
Ditto .	Ditto ditto .	...	Dy. Supdt., 4th grade	7th May 1891.
Ditto .	Ditto ditto .	...	Ditto, and in temporary charge of No. 5 Party .	30th June 1891.
<i>Privilege leave for 1 month and 1 day from 1st October 1891.</i>				
Naini Tal .	Asst. Supdt., 1st grade, attached to No. 8 Party (Orissa) .	4th Nov. 1891	.....	...
Cuttack .	Ditto, in charge	11th Nov. 1891	.....	...
Ditto .	No. 8 Party (Orissa) .	28th Nov. 1891	.....	...
Ditto .	Ditto, attached to ditto .	..	Dy. Supdt., 4th grade	8th Dec. 1891.
Ditto .	Ditto ditto .	23rd Dec. 1891	.....	...
Ditto .	Ditto, in charge	12th Jan. 1892	.....	...
Ditto .	Ditto ditto .	...	Dy. Supdt., 4th grade	1st Apl. 1892.
Ditto .	Ditto ditto .	...	Ditto, 2nd grade	18th Aug. 1892.
Ditto .	Ditto ditto .	19th Jan. 1893	... ..	...
<i>Furlough for 6 months from 3rd May 1893.</i>				

**Litchfield, Edward Ferdinand.**—Joined the service, 26th November 1868.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún .	Asst. Surveyor, 4th grade (probationary), Kumaon and Garhwal Survey .	26th Nov. 1868	.....	...

*Privilege leave for 15 days from 2nd October 1872.*

Dehra Dún .	Asst. Surveyor, 3rd grade, ditto	1st Apl. 1873	.....	...
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*Privilege leave for 1 month from 5th June 1873.*

*Privilege leave for 15 days from 29th July 1874.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún	Asst. Surveyor, 2nd grade, Kumaon and Garhwal Survey.	1st Apl. 1875	.....	...
Ditto	.....	...	Sub.-Asst. Conservator of Forests, Forest Surveys	16th Oct. 1876.
...	Sub-Asst. Conservator of Forests, Forest Surveys	1st Sept. 1877	.....	...
...	Ditto ditto	...	Asst. Conservator of Forests, 3rd grade	18th Feb. 1878.
...	Ditto ditto	5th Dec. 1878	.....	...
...	Ditto ditto	...	Asst. Conservator of Forests, 3rd grade	22nd Jan. 1879.
<i>Privilege leave for 1 month from 22nd July 1879.</i>				
...	Asst. Conservator of Forests, 3rd grade	1st June 1880	.....	...
...	Ditto, 2nd grade	30th Dec. 1880	.....	...
<i>Privilege leave for 1 month and 21 days from 3rd September 1881.</i>				
...	Asst. Conservator of Forests, 2nd grade	...	Dy. Supdt., Forest Surveys	5th May 1882.
...	Ditto ditto	5th Aug. 1882	.....	...
...	Ditto, 1st grade	3rd Sept. 1882	.....	...
...	Ditto ditto	...	Dy. Conservator of Forests, 4th grade	3rd Sept. 1882.
...	Ditto ditto	...	Ditto, 3rd grade	1st Mar. 1883.
...	Ditto ditto	...	Ditto, 4th grade	2nd Apl. 1883.
...	Ditto ditto	...	Dy. Supdt., Forest Surveys	2nd June 1883.
...	Ditto ditto	8th Jan. 1884	.....	...
...	Ditto ditto	...	Dy. Conservator of Forests, 4th grade	16th Jan. 1884.
...	Ditto ditto	16th Mar. 1885	.....	...
...	Ditto ditto	...	Dy. Conservator of Forests, 4th grade	28th Apl. 1885.
<i>Privilege leave for 1 month and 15 days from 29th June 1885.</i>				
...	Dy. Conservator of Forests, 4th grade (sub. pro tem.)	1st Aug. 1886	.....	...
<i>Privilege leave for 2 months from 2nd September 1886.</i>				
...	Asst. Conservator of Forests, 1st grade	...	Dy. Conservator of Forests, 4th grade	27th July 1887.
...	Ditto ditto	...	Ditto, 3rd grade	11th Sept. 1887.
...	Ditto ditto	...	Ditto, 4th grade	10th Oct. 1887.
...	Ditto ditto	...	Ditto, 3rd grade	6th Nov. 1887.
...	Ditto ditto	...	Ditto, 4th grade	2nd Dec. 1887.
...	Ditto ditto	...	Ditto, 3rd grade	23rd Dec. 1887.
...	Ditto ditto	...	Ditto, 4th grade	16th Aug. 1888.
...	Ditto ditto	...	Dy. Supdt., Forest Surveys	5th Apl. to 5th July 1888.
...	Dy. Conservator of Forests, 4th grade	1st Jan. 1889	.....	...
...	Ditto ditto	...	Dy. Conservator of Forests, 3rd grade	8th May 1889.
...	Ditto ditto	...	Supdt., Forest Surveys	21st Jan. to 23rd Oct. 1890.
...	Ditto ditto	...	Dy. Conservator of Forests, 2nd grade	11th Apl. 1890.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Asst. Supdt., 2nd grade, Survey of India . . .	24th Oct. 1890	.....	...
...	Ditto ditto . . .	...	Asst. Supdt., 1st grade . . .	24th Oct. 1890.
...	Asst. Supdt., 1st grade . . .	31st Mar. 1891	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 4th grade	9th June 1891.
<i>Privilege leave for 3 months from 1st July 1891.</i>				
Dehra Dún	Asst. Supdt., 1st grade . . .	2nd Nov. 1891	.....	...

**Gordon, Captain Philip James, I.S.C.**—Joined the service, 22nd January 1881; arrived, 1st April 1881.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	2nd Lieut., 54th Foot . . .	22nd Jan. 1881	.....	...
...	Lieut., Dorsetshire Regt. . .	1st July 1881	.....	...
...	Appointed on probation to the Bengal Staff Corps . . .	13th May 1883	Wing Officer, 29th Punjab Infantry . . .	13th May 1883.
...	Lieut., 34th Pioneers . . .	28th Mar. 1884	.....	...
...	Finally admitted to the Bengal Staff Corps . . .	13th June 1884	.....	...
...	Adjutant, 14th Sikhs . . .	9th Feb. 1885	.....	...
Calcutta	Asst. Supdt., 2nd grade (on probation), Survey of India, attached to Head-quarters Office . . .	10th Nov. 1890	.....	...
...	Ditto, No. 21 Party (Upper Burma I) . . .	21st Nov. 1890	.....	...
...	Ditto ditto (confirmed) . . .	5th Aug. 1891	.....	...
...	Asst. Supdt., 1st grade (sub. <i>pro tem.</i> ) ditto . . .	5th Aug. 1891	.....	...
...	Asst. Supdt., 1st grade, ditto (confirmed). . .	13th Oct. 1891	.....	...
<i>Promoted to Captain, 22nd January 1892.</i>				
...	Asst. Supdt., 1st grade, attached to No. 21 Party (Upper Burma) . . .	...	Dy. Supdt., 4th grade	15th Apl. 1892.
...	Ditto ditto . . .	...	Ditto, 2nd grade	18th Aug. 1892.

*Furlough for one year from 5th November 1892.*

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>War Services.—Hazara Campaign, 1888—Medal and clasp; Wanthu Expedition, 1891.</i>				

**Gilbert-Cooper, Bryan Gardiner.—Joined the service, 1st January 1878.**

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Sind . . .	Proby. Asst. Settlement Officer in the Sind Survey Dept. . .	1st Jan. 1878	.....	...
Ditto . . .	Asst. Settlement Officer, 3rd Class . . . . .	21st Mar. 1879	.....	...

*Subsidiary leave for 13 days from 7th November 1879.*

*Sick leave to Europe for 1 year 1 month and 13 days from 20th November 1879.*

Sind . . .	Asst. Supdt., 5th grade, Sind Rev. Survey . . . . .	1st Aug. 1880	.....	...
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*Subsidiary leave from 3rd January 1881.*

Sind . . .	Asst. Supdt., 5th grade, Sind Rev. Survey . . . . .	4th Jan. 1881	.....	...
Ditto . . .	Asst. Supdt., 4th grade, Sind Rev. Survey . . . . .	8th Nov. 1881	.....	...
Ditto . . .	Ditto, 3rd grade, ditto . . . . .	8th Nov. 1884	.....	...

*Privilege leave for 3 months, from 3rd August 1885, and overstayed it by 4 days, from 3rd November 1885.*

Sind . . .	Asst. Supdt., 3rd grade, Sind Rev. Survey . . . . .	7th Nov. 1885	.....	...
Ditto . . .	Ditto, 2nd grade, ditto . . . . .	12th Nov. 1887	.....	...
... . .	Ditto ditto, Poona and Nasik and Southern Maratha Country Survey . . . . .	27th June 1888	.....	...

*Privilege leave for 2 months and 28 days from 21st September 1888.*

*Relinquished charge of his duties in the Bombay Revenue Survey Department on the 18th February 1891 (afternoon).*

Calcutta . . .	Asst. Supdt., 2nd grade, Survey of India Head-quarters Office . . . . .	19th Feb. 1891	.....	...
Mandalay . . .	Ditto ditto, No. 3 Party (Mandalay) . . . . .	12th Mar. 1891	.....	...
Ditto . . .	Ditto, ditto . . . . .	...	Asst. Supdt., 1st grade	3rd Mar. 1891.



Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Mandalay	Asst. Supdt., 2nd grade, in charge No. 3 Party (Mandalay)	11th June 1891	Asst. Supdt., 1st grade	...
Ditto	Ditto ditto	...	Dy. Supdt., 4th grade	22nd July 1891.
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	16th Oct. 1891.
Ditto	Ditto ditto, attached to No. 3 Party (Mandalay)	23rd Dec. 1891	Ditto ditto	...
Ditto	Asst. Supdt., 1st grade (sub. pro tem), ditto	5th Apl. 1892	.....	...
<i>Medical leave to Europe for 15 months from 19th May 1892.</i>				
...	Asst. Supdt., 1st grade (confirmed)	1st July 1892	.....	...

**Erskine, Claude Francis.**—Joined the service, 25th June 1880.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Sind	Proby. Asst. Settlement Officer, Sind Settlement Survey	25th June 1880	.....	...
Ditto	Asst. Supdt., 5th grade, ditto	27th Dec. 1881	.....	...
Ditto	Ditto, 4th grade, ditto	27th Dec. 1883	.....	...
Bombay	Ditto, Poona and Nasik Survey, Bombay Revenue Survey	10th Oct. 1884	.....	...
Ditto	Ditto, 3rd grade, ditto	22nd July 1887	.....	...
Ditto	Ditto, 2nd grade, ditto	22nd July 1890	.....	...

*Relinquished charge of his duties in the Bombay Revenue Survey on the 18th February 1891 (afternoon).*

Jubbulpore	Asst. Supdt., 2nd grade, Survey of India, attached to No. 9 Party (Mandla)	19th Feb. 1891	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	3rd Mar. 1891.

*Services placed at the disposal of the Foreign Department from 4th August 1891.*

...	Asst. Supdt., 2nd grade	...	Dy. Supdt., 4th grade	16th May. 1892.
...	Ditto ditto	...	Asst. Supdt., 1st grade	5th June 1892.
...	Ditto ditto	...	Dy. Supdt., 4th grade	8th July 1892.
...	Ditto ditto	...	Asst. Supdt., 1st grade	20th Oct. 1892.
...	Ditto, 1st grade	12th Oct. 1892	.....	...
...	Ditto ditto	...	Dy. Supdt., 2nd grade	29th Oct. 1892.
...	Ditto ditto	2nd Nov. 1892	.....	...

## Spring, A. E.—Joined the service, 15th August 1881.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Bombay	Proby. Asst. Supdt., Poona and Nasik Revenue Survey	15th Aug. 1881.	.....	...
<i>Prior to this appointment he acted as Supernumerary Deputy Collector in Sind from 24th May 1880 to 22nd May 1881; (he also acted as Special Officer on Famine Duty (P. W. D.) in charge of Sindgi Taluka, Kaladgi Districts, Bombay, from 4th May to 15th December 1879, and received thanks of Government.—Government Resolution, Bombay Castle, No. 1325P., dated 5th December 1879.</i>				
Bombay	Asst. Supdt., 5th grade, Poona and Nasik Revenue Survey	16th Oct. 1883	.....	...
Ditto	Ditto, 4th grade	16th Oct. 1884	.....	...
<i>Privilege leave for 2 months from 27th April 1885.</i>				
<i>Privilege leave for 3 months from 1st August 1887.</i>				
Bombay	Asst. Supdt., 3rd grade, Poona and Nasik Revenue Survey	16th Oct. 1887	.....	...
<i>Privilege leave for 2 months and 17 days from 4th April 1890.</i>				
Bombay	Asst. Supdt., 2nd grade, Poona and Nasik Revenue Survey	16th Oct. 1890	.....	...
<i>Relinquished charge of his duties in the Bombay Revenue Survey Department on the 17th February 1891 (afternoon).</i>				
Calcutta	Asst. Supdt., 2nd grade, Survey of India Head-quarters Office	18th Feb. 1891	.....	...
Rangoon	Ditto, attached to No. 7 Party (Thongwa)	12th Mar. 1891	.....	...
Ditto	Ditto ditto	...	Asst. Supdt., 1st grade	3rd Mar. 1891.
<i>Privilege leave for 1 month from 30th July 1891.</i>				
Mandalay	Asst. Supdt., 2nd grade, attached to No. 12 Party (Minbu)	8th Oct. 1891	Asst Supdt., 1st grade	...
	Ditto No. 3 Party (Mandalay)	20th Sept. 1892	Ditto	...
<i>Privilege leave for one month and 12 days from 12th October to 23rd November 1892.</i>				
...	Asst. Supdt., 1st grade	12th Oct. 1892	.....	...
Rangoon	Ditto, attached to No. 3 Party (Mandalay)	24th Nov. 1892	.....	...

## Littlewood, Henry Ross.—Joined the service, 6th October 1860.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Lower Provinces	Junior Sub-Asst., 4th Divn., Lower Provinces	6th Oct. 1860	.....	...
Ditto	Sub-Asst. Revenue Surveyor, 3rd Class, 4th Divn., Lower Provinces	1st Jan. 1863	.....	...
Ditto	Ditto, 2nd class, ditto	1st Jan. 1864	.....	...
Ditto	Ditto, 2nd grade, ditto	1st Apl. 1866	.....	...
<i>Privilege leave for 1 month from 1st June 1867.</i>				
Lower Provinces	Sub-Asst. Revenue Surveyor, 1st grade, 4th Divn., Lower Provinces	1st Apl. 1869	.....	...
Ditto	Asst. Surveyor, 1st grade, ditto	1st Sept. 1869	.....	...
Ditto	Ditto, 6th Divn., ditto	1st Nov. 1870	.....	...
<i>Privilege leave for 3 months from 3rd December 1870.</i>				
Lower Provinces	Asst. Surveyor, 1st grade, 6th Divn., Lower Provinces	3rd Mar. 1871	.....	...
Central Provinces	Ditto, 2nd Divn., Central Provinces	1st May 1871	.....	...
Ditto	Surveyor, 4th grade, ditto	1st Apl. 1872	.....	...
<i>Transferred to the N.-W. P. Cadastral Survey of Azamgarh District, 1876-77.</i>				
Cuttack	Surveyor, 3rd grade, 9th or Cuttack District Survey	1st Jan. 1878	.....	...
Burina	Ditto, 8th or Bassein District Survey	1st Nov. 1879	.....	...
<i>Privilege leave for 3 months from 1st September 1880.</i>				
Rangoon	Surveyor, 3rd grade, 8th or Bassein District Survey	1st Dec. 1880	.....	...
Ditto	Ditto, 2nd grade, ditto	29th Oct. 1883	.....	...
Akyab	Ditto, No. 7 Akyab Party	21st Oct. 1885	.....	...
Rangoon	Ditto ditto, in charge No. 7 Party	29th June 1887	.....	...
Ditto	Ditto, attached to ditto	6th Sept. 1887	.....	...
Ditto	Surveyor, 1st grade, ditto	16th May 1889	.....	...
Ditto	Ditto, in charge No. 7 Party	27th Aug. 1890	.....	...
Ditto	Ditto, attached to ditto	1st Dec. 1890	.....	...
Moulmein	Asst. Supdt., 2nd grade, ditto	13th May 1891	Asst. Supdt., 1st grade	13th May 1891.
Cuttack	Ditto, in charge No. 8 Party	11th July 1891	Ditto ditto	...
Rangoon	Ditto, attached to No. 7 Party (Amherst)	3rd Nov. 1891	Ditto ditto	...
Ditto	Ditto, 1st grade, ditto	23rd May 1893		...
<i>Privilege leave for 3 months from 17th June 1893.</i>				

**Burn, Lieut. James Montague, R.E.**—Joined the service, 17th February 1886; arrived, 28th March 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers	17th Feb. 1886	.....	...
...	Posted to the Indian Establishment	23rd Feb. 1888	.....	...
Lucknow	Asst. Engr., 2nd grade, Military Works Dept.	4th Apl. 1888	.....	...
Madras	Ditto, P. W. Dept., State Rys.	8th Oct. 1889	.....	...
Baluchistan, Quetta	Ditto, Zhob Valley Ry. Survey	31st Oct. 1890	.....	...
Mussoorie	Asst. Supdt., 2nd grade, Survey of India, attached to Computing Party	17th May 1891	.....	...
Ditto	Ditto ditto, attached to No. 24 Party (Upper Burma)	12th Oct. 1891	.....	...
Burma	Ditto ditto	...	Asst. Supdt., 1st grade	1st Apl. 1892
<i>Privilege leave for 3 months from 13th July 1892.</i>				
Ditto	Asst. Supdt. 2nd grade, attached to No. 24 Party (Upper Burma).	11th Oct. 1892	Asst. Supdt., 1st grade	...
Ditto	Ditto, in charge ditto ditto	6th May 1893	Ditto ditto	...

**Morice, Lieut. Cuthbert Charles Duguid, R.E.**—Joined the service, 18th February 1886.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers	18th Feb. 1886	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from 10th April 1886 to 31st July 1889.</i>				
<i>Sick leave for 1 year from October 1887 to October 1888.</i>				
...	Lieut., 5th (Fortress) Co., R.E., Chatham	1st Aug. 1889	.....	...
...	Posted to the Indian Establishment	10th Feb. 1890	.....	...
Jhansi	Landed in India and attached to Mily. Works Dept.	6th April 1890	.....	...
Ditto	Asst. Engr., 2nd grade, M.W.	1st June 1890	.....	...
Ditto	Asst. Engr., 1st grade, M.W.	30th Jan. 1891	.....	...
<i>Leave on medical certificate for 270 days from 6th February 1891.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Poona . . .	Assistant Supdt., 2nd grade, Survey of India, attached to No. 25 Party, Tidal and Levelling Operations . . .	11th Nov. 1891	.....	...
Ditto . . .	Ditto ditto . . .	...	Asst. Supdt., 1st grade	1st Nov. 1892.
Dehra Dún . . .	Ditto, attached to Computing Party . . .	22nd Mar. 1893	Ditto ditto	...
Poona . . .	Ditto, attached to No. 25 Party, Tidal and Levelling Operations . . .	1st July 1893	Ditto ditto	...

**Fraser, Lieutenant Howard Alan Denholm, R.E.**—Joined the service, 19th February 1886; arrived, March 1889.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers . . .	19th Feb. 1886	.....	...
<i>On duty at the Royal Engineering Establishment, Chatham, from April 1886 to November 1888.</i>				
...	Posted to Indian Establishment	Feb. 1889	.....	...
Bangalore . . .	Attached to "Queen's Own" Sappers and Miners . . .	Mar. 1889	.....	...
<i>Leave to England on medical certificate from November 1889 to April 1890.</i>				
Yeu, Upper Burma . . .	Asst. Engr., 2nd grade, P. W. Dept. . . . . .	June 1890	.....	...
<i>Served with Wuntho Field Force as Field Engineer from 15th February to 30th April 1891.</i>				
Mandalay . . .	Attached to Office of Superintending Engineer, P. W. Dept. . . . . .	1st May 1891	.....	...
<i>On language leave from 16th June to 9th September 1891.</i>				
Yemethin . . .	Employed on Famine Relief works . . . . .	10th Sept. 1891	.....	...
Poona . . .	Asst. Supdt., 2nd grade, Survey of India, attached to No. 10 Party (Bombay) . . .	29th Oct. 1891	.....	...
Ditto . . .	Ditto ditto . . . . .	...	Asst. Supdt., 1st grade	1st Nov. 1892.
<i>War Services.</i> —Served under General Wolsley, C.B., A.D.C., in the Wuntho Expedition, from 15th February to 31st May 1891; mentioned in Despatches.				

**Ryder, Lieut. Charles Henry Dudley, R.E.**—Joined the service, 24th July 1888; arrived, 24th October 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers	24th July 1886	.....	...
...	Posted to the Indian Establishment	25th Sept. 1888	.....	...
Kirkee	Attached, Bombay Sappers and Miners	27th Oct. 1888	.....	...
...	Ditto ditto	...	Company Officer	27th Oct. 1888 to 22nd May 1889.
Allahabad	Asst. Engr., 2nd grade, P. W. Dept.	24th May 1889	.....	...
Lucknow	Ditto ditto	26th May 1889	.....	...
Bara Bunki	Ditto ditto	3rd June 1889	.....	...
Sitapur	Ditto ditto	16th June 1890	.....	...
...	Ditto ditto	...	Asst. Engr., 1st grade (sub. <i>pro tem.</i> )	12th Sept. 1890.
Naini Tal	Ditto ditto	18th Oct. 1890	.....	...
...	Asst. Engr., 1st grade	30th Nov. 1890	.....	...
Aligarh	Ditto ditto	15th May 1891	.....	...
<i>Privilege leave for 3 months from 17th August 1891.</i>				
Simla	Asst. Supdt., 2nd grade, Survey of India, attached to No. 18 Party (Himalaya)	29th Nov. 1891	.....	...
<i>Privilege leave for 20 days from 27th June 1892.</i>				
Simla	Asst. Supdt. 2nd grade, Survey of India, attached to No. 18 Party (Himalaya)	16th July 1892	.....	.....
Ditto	Ditto Ditto	.....	Asst. Supdt. 1st grade.	1st Nov. 1892.

**Pemberton, James Stewart.**—Joined the service, 6th October 1860.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
C. Provinces	Junior Sub-Asst., 3rd Division, Central Provinces	6th Oct. 1860	.....	...
Ditto	Sub-Asst. Rev. Surveyor, 3rd class, Central Provinces	1st Jan. 1863	.....	...
Ditto	Ditto ditto, 2nd class, Central Provinces	1st Jan. 1864	.....	...
Ditto	Ditto ditto	1st April 1866	.....	...
<i>Privilege leave for 3 days, from 23rd to 30th June 1866.</i>				
C. Provinces	Sub-Asst. Rev. Surveyor, 2nd grade, 3rd Division, Central Provinces	1st July 1866	.....	...
Ditto	Sub-Asst. Rev. Surveyor, 2nd grade, 2nd Division, Central Provinces	20th Jan. 1867	.....	...
Ditto	Asst. Surveyor, 1st grade, 2nd Division, Central Provinces	1st April 1869	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appoint- ment.	Date.
<i>Privilege leave for 15 days, from 5th to 19th June 1869, and overstayed it by 5 days, from 20th June 1869.</i>				
C. Provinces .	Asst. Surveyor, 1st grade, 2nd Division, Central Prov- inces . . . . .	21st June 1869	.....	...
<i>Privilege leave for 20 days from 30th September to 19th October 1871.</i>				
C. Provinces .	Asst. Surveyor, 1st grade, 2nd Division, Central Prov- inces . . . . .	20th Oct. 1871	.....	...
Delhi . . . .	Ditto, 1st grade, Delhi and Hissar Survey . . . .	1st Nov. 1871	.....	...
Ditto . . . .	Surveyor, 4th grade, Delhi and Hissar Survey . . . . .	1st April 1872	.....	...
Patiala, Jeypur	Ditto, on special duty . . . .	1st Nov. 1874	.....	...
Delhi . . . .	Ditto, Delhi and Hissar, subsequently called "2nd Divi- sion, Gurgaon Survey" . . . .	1st April 1875	.....	...
Ditto . . . .	Ditto, 3rd grade, 2nd Divi- sion, afterwards called ' Sirsa and Rohtak District Survey" . . . .	1st Jan. 1878	.....	...
Calcutta . . .	Surveyor on duty, Head-quar- ters Office . . . . .	1st April 1878	.....	...
Burma . . . .	Ditto, British Burma Sur- vey . . . . .	1st Jan. 1879	.....	...
<i>Privilege leave for 3 months from 27th June to 26th September 1879.</i>				
Calcutta . . .	Surveyor, 3rd grade, on duty Head-quarters Office . . . .	27th Sep. 1879	.....	...
Jaunpore . . .	Ditto, No. 6 Party, Jaun- pore Survey . . . . .	18th Oct. 1879	.....	...
Calcutta . . .	Ditto, Hooghly River Sur- vey . . . . .	1st Nov. 1881	.....	...
Ditto . . . .	Ditto, 2nd grade, ditto . . . .	23rd Sept. 1883	.....	...
Assam . . . .	Ditto, No. 6 Party, Assam . . . .	1st Oct. 1883	.....	...
Basti . . . .	Ditto, No. 4 Party, Basti . . . .	1st Nov. 1884	.....	...
Punjab . . . .	Ditto, No. 1 Party (Punjab) . . . .	14th Oct. 1885	.....	...
Ditto . . . .	Surveyor, 1st grade, No. 1 Party (Punjab) . . . . .	24th Nov. 1887	.....	...
Ditto . . . .	Ditto, in tempo- rary charge No. 1 Party (Punjab) . . . . .	1st Nov. 1888	.....	...
Ditto . . . .	Ditto, attached to ditto . . . .	16th Jan. 1889	.....	...
Ditto . . . .	Ditto, in charge ditto . . . .	1st Dec. 1889	.....	...
Ditto . . . .	Ditto, in charge Indus Riverain Detachment . . . .	1st Nov. 1890	.....	...
Bihar . . . .	Ditto, in charge Bihar De- tachment . . . . .	1st Nov. 1891	.....	...
Ditto . . . .	Asst. Supdt., 2nd grade, ditto . . . .	1st April 1892	Asst. Supdt., 1st grade . . . . .	1st Apl. 1892.
Ditto . . . .	Ditto ditto ditto, and in charge Burdwan De- tachment . . . . .	5th July 1892	Ditto	...
<i>Privilege leave for 2 months and 16 days from 16th August 1892.</i>				
<i>Made over charge of Behar Detachment, 12th August 1892.</i>				
Bihar . . . .	Asst. Supdt., 2nd grade . . . . Attached to No. 4 and 5 Party (Bihar). . . . .	28th Oct. 1892	Asst. Supdt., 1st grade	...

**Filcher, Lieutenant Arthur James, R.E.**—Joined the service, 3rd January 1890  
arrived, 3rd January 1890.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Rangoon	Asst. Engr., 2nd grade, Sub-Marine Mining Duty . . .	3rd Jan. 1890	.....	...
Ditto	Ditto ditto, in charge Sub-marine Defences .	July 1891 to Jan. 1892 .	.....	...
Calcutta	Ditto ditto . . .	13th Apl. 1892 to 15th July 1892 . . .	.....	...
Jalpaiguri	Asst. Supdt., 2nd grade, Survey of India, attached to No. 4 Party (Western Duars) . . .	16th July 1892	.....	...
Bihar	Ditto ditto . . .	...	In charge Bihar Detachment . . .	12th Aug. 1892.
...	Ditto ditto (Bihar)	1st Oct. 1892.		

**Symonds, Lieutenant Charles William Herbert, I.S.C.**—Joined the service, 25th August 1886; arrived, 22nd December 1886.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>On duty at the Royal Military College, Sandhurst, from 1st September 1885 to 24th August 1886.</i>				
	Lient., Wiltshire Regt. . . . .	25th Aug. 1886	.....	...
	Apptd. to the Bengal Staff Corps . . . . .	14th Mar. 1888	Wing Officer (on probn.), 31st Punjab Infy. . . . .	14th Mar. 1888
	Ditto ditto . . . . .	...	Ditto and Qr. Mr., ditto . . . . .	14th Apl. 1888
<i>On Language leave from 5th May to 24th July 1890.</i>				
			Wing Officer, 29th Punjab Infy. . . . .	6th Jan. 1891.
			Qr. Mr., 31st Punjab Infy. . . . .	4th June 1891.
<i>Leave on private affairs from 18th November 1891 to 19th September 1892.</i>				
Calcutta	Asst. Supdt., 2nd grade, Survey of India, attached to Headquarters Office . . . . .	28th Sept. 1892	.....	...
Bihar	Ditto ditto, attached to No. 4 Party (Bihar) . . . . .	1st Nov. 1892	.....	...
<b>War Services.</b> —Served with the 29th Punjab Infantry during the first and second Miranzai Expeditions.				



## Atkinson, George William Elliot.—Joined the service, 1st August 1859.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún .	Sub-Asst., 3rd class, Great Trigonometrical Survey attached to the Office of the Supdt., Great Trignwl. Survey of India . . . . .	1st Aug. 1859	.....	...
Dehra Dún and Kashmir	Sub-Asst., 3rd class, Kashmir Series . . . . .	1st Feby. 1860	.....	...
Punjab and Dehra Dún	Sub-Asst., 3rd class, Gurhagarh Meridional Series . . . . .	1st Nov. 1860	.....	...
Central India and Mussooree . .	Sub-Asst., 3rd class, Rahun Meridional Series . . . . .	1st Mar. 1862	.....	...
Ditto .	Sub-Asst., 2nd class, ditto . . . . .	18th Mar. 1862	.....	...
<i>Privilege leave for 3 months from 1st May 1863.</i>				
Calcutta . .	Sub-Asst., 2nd class, Astronomical Party No. 1 . . . . .	1st June 1863	.....	...
Eastern Bengal and Calcutta . .	Sub-Asst., 2nd class, East Calcutta Longitudinal Series . . . . .	1st Feb. 1864	.....	..
<i>Privilege leave for 1 month from 14th September 1864.</i>				
Calcutta and Mussooree .	Sub-Asst., 2nd class, Astronomical Party No. 1 . . . . .	1st Nov. 1864	.....	...
Central Provinces and Mussooree .	Sub-Asst., 1st class, Astronomical Party No. 1 . . . . .	1st Dec. 1864	.....	...
Ditto .	Sub-Asst., 2nd grade, Astronomical Party No. 1 . . . . .	1st Apl. 1866	.....	...
<i>Privilege leave for 1 month from 1st September 1866.</i>				
Kumaon and Mussooree .	Sub-Asst., 2nd grade, Kumaon and Garhwal Party . . . . .	1st Jany. 1867	.....	...
<i>Privilege leave for 22 days from 15th September 1867.</i>				
Ditto .	Sub-Asst., 1st grade, Kumaon and Garhwal Party . . . . .	1st Sept. 1868	.....	...
Ditto .	Asst., Surveyor, 1st grade, Kumaon and Garhwal Party . . . . .	1st Sept. 1869	.....	...
Mussooree and Dehra Dún .	Ditto ditto . . . . .	...	Persnl. Asst. to Supdt., Great Trignml. Survey	1st Apl. 1870.
Ditto .	Surveyor, 4th grade . . . . .	...	Ditto ditto . . . . .	1st Apl. 1871.
Dehra Dún .	Surveyor, 4th grade, Dehra Drawing Office . . . . .	1st Sept. 1871	.....	...
<i>Privilege leave for 2 months from 25th August 1873.</i>				
Ditto .	Surveyor, 3rd grade, Dehra Drawing Office . . . . .	1st Jan. 1874	.....	...
<i>Privilege leave for 19 days from 1st July 1878.</i>				
<i>Privilege leave for 3 months (on medical certificate) from 17th March 1879.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún	Surveyor, 2nd grade, Dehra Drawing Office . . . . .	7th Jany. 1881	.....	...
Ditto	Ditto, 1st grade, ditto	10th Nov. 1884	.....	...
<i>Privilege leave for 1 month and 15 days from 16th September 1885.</i>				
<i>Privilege leave for 2 months (on medical. certificate) from 21st June 1888.</i>				
Simla .	Surveyor, 1st grade, Simla Drawing Office . . . . .	1st Feb. 1890	.....	...
Ditto	Extra Asstt., Supdt., 1st grade, Simla Drawing Office . . . . .	18th Aug. 1892	.....	...
Ditto	Asst., Supdt. 2nd grade, In-charge Simla Drawing Office.	8th Nov. 1892	.....	...
Ditto	Ditto ditto . . . . .	...	Asst. Supdt., 1st grade	25th Apl. 1893.

**Keelan, Henry Elliott Thomas.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 1st grade, attached to Head-quarters Office . . . . .	18th Aug. 1892	.....	...
<i>Privilege leave for 14 days from 12th September 1892.</i>				
Karachi	Extra Asst. Supdt., 1st grade, in charge Indus Riverain Detachment . . . . .	29th Oct. 1892	.....	...

**Wilson, Alfred John.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 1st grade, attached to the Calcutta Survey Detachment . . . . .	18th Aug. 1892	.....	...

**Smylie, Samuel Mack.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 1st grade, and Chief Draftsman, Headquarters Office . . . . .	18th Aug. 1892	.....	...
<i>Privilege leave for 3 months from 11th April 1893.</i>				

**Todd, William.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Poona	Extra Asst. Supdt., 1st grade, attached to No. 10 Party (Bombay) . . . . .	18th Aug. 1892	.....	...

**Lawson, Alexander Macdonald.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Poona	Extra Asst. Supdt., 1st grade, attached to No. 17 Party (Bombay Forests) . . . . .	18th Aug. 1892	.....	...
Ditto	Ditto, 2nd grade, ditto	23rd May 1893	.....	...

**Wilson, William Alexander.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Rangoon	Extra Asst. Supdt., 1st grade, attached to No. 20 Party (Burma)	18th Aug. 1892	.....	...
Ditto	Ditto, 2nd grade, ditto	23rd May 1893	.....	...

**Gibson, Andrew John.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Bangalore	Extra Asst. Supdt., 1st grade, in charge Mergui Detachment.	18th Aug. 1892	.....	...
Shillong	Ditto, attached to No. 6 Party (Assam).	1st Nov. 1892	.....	...
Ditto	Ditto, in charge ditto	29th Apl. 1893	.....	...
Ditto	Ditto ditto, 2nd grade, ditto	23rd May 1893	.....	...

**Buttress, William Samuel.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Mandalay	Extra Asst. Supdt., 1st grade, attached to No. 12 Party (Minbu)	18th Aug 1892	.....	...
Ditto	Ditto ditto, 2nd grade, ditto	23rd May 1893	.....	...

**Wyatt, Alexander George.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 2nd grade, attached to Head-quarters Office	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 1st grade, ditto	8th Nov. 1892	.....	...
Ditto	Ditto ditto, 2nd grade, ditto	23rd May 1893	.....	...

**Peychers, Henry William**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Dehra Dún	Extra Asst. Supdt., 2nd grade, attached to the Computing Party	18th Aug. 1892	.....	...
Ditto	Ditto, 3rd grade, ditto	23rd May 1893	.....	...

**Belcham, George Patrick.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Poona	Extra Asst. Supdt., 2nd grade, attached to No. 25 Party (Tidal and Levelling)	18th Aug. 1892	.....	...
Ditto	Ditto, 3rd grade, ditto	23rd May 1893	.....	...

**Dowman, Henry.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Kemptee	Extra Asst. Supdt., 2nd grade, in charge No. 9 Party (Central Provinces)	18th Aug. 1892	.....	...
Ditto	Ditto, attached to ditto	28th Oct. 1892	.....	...
Ditto	Ditto, 3rd grade, ditto	23rd May 1893	.....	...
Ditto	Ditto ditto	...	In temporary charge No. 9 Party (Central Provinces).	14th June 1893.

**Little, Edwin George.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Mandalay	Extra Asst. Supdt., 2nd grade, attached to No. 12 Party (Minbu).	18th Aug. 1892	.....	...
Ditto	Ditto, 3rd grade, ditto	23rd May 1893	... ..	...

**Hanby, Henry Townsend.**—Joined the service, 18th August 1892.

Stations.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Hazaribagh	Extra Asst. Supdt., 2nd grade, attached to No. 4 Party (Western Duars)	18th Aug. 1892	.....	...
Dinapore	Ditto ditto, attached to Nos. 4 and 5 Party (Bihar)	1st Nov. 1892	.....	...
Ditto	Ditto ditto, 3rd grade, ditto	23rd May 1893	.....	...

**Pocock, Lovell Jeremiah.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst Supdt., 2nd grade, and Head Draftsman, Headquarters Office.	18th Aug. 1892	.....	...
Ditto	Ditto ditto	...	Chief Draftsman, Headquarters Office.	11th Apl. 1893.
Ditto	Ditto, 3rd grade, ditto	23rd May 1893	Ditto ditto	...

**Christie, Albert Douglas Lincoln.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Dehra Dún	Extra Asst. Supdt., 2nd grade, attached to Computing Party	18th Aug. 1892	.....	...
Ditto	Ditto, 3rd grade, ditto	23rd May 1893	.....	...

**Gwynne, Nathaniel Compton.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Ninar	Extra Asst. Supdt., 2nd grade, attached to No. 14 Party (Ninar)	18th Aug. 1892	.....	...
Ditto	Ditto, 3rd grade, ditto	23rd May 1893	.....	...

**O'Sullivan, William John.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Chittagong	Extra Asst Supdt., 2nd grade, in charge No. 2 Party (Eastern Bengal)	18th Aug. 1892	.....	...
Ditto	Ditto, attached to ditto	24th Nov. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**Price, Walter Caspersz.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 2nd grade, attached to Head-quarters Office	18th Aug. 1892	.....	...
<i>Privilege leave for 7 days from 8th October 1892.</i>				
...	Extra Asst. Supdt. 2nd grade, attached to Nos. 4 and 5 Party (Bihar)	15th Oct. 1892	.....	..
Rangoon	Extra Asst. Supdt., 2nd grade, attached to No. 7 Party (Amherst)	1st Dec. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**McA'Fee, Charles Henry.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Dehra Dún	Extra Asst. Supdt., 3rd grade, attached to the Drawing Section, Trigonometrical Branch Office	18th Aug. 1892	.....	...
Ditto	Ditto, 2nd grade, ditto	8th Nov. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...



**Hamer, Charles Frederick.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Bangalore	Extra Asst. Supdt., 3rd grade, attached to No. 19 Party (Madras)	18th Aug. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**O'Donel, James Hoppner.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Assam	Extra Asst. Supdt., 3rd grade, in charge No. 6 Party (Assam)	18th Aug. 1892	.....	...
Ditto	Ditto attached to ditto	10th Oct. 1892	.....	...
<i>Services placed at the disposal of the Assam Government from 3rd November 1892 (afternoon).</i>				
Assam	Extra Asst. Supdt., 4th grade.	23rd May 1893	.....	...

**Claudius, Thomas Ernest McMahon.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Quetta	Extra Asst. Supdt., 3rd grade, attached to No. 15 Party (Baluchistan)	18th Aug. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**Stotesbury, William.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Poona .	Extra Asst. Supdt., 3rd grade, attached to No. 10 Party (Pombay) . . . . .	18th Aug. 1892	.....	...
Ditto .	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**Rendell, Thomas Henry.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Mussoorie .	Extra Asst. Supdt., 3rd grade, attached to No. 24 Party (Upper Burma) . . . . .	18th Aug. 1892	.....	...
Ditto .	Ditto, 4th grade, ditto .	23rd May 1893	.....	...

**Smart, Robert Boddington.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Rangoon .	Extra Asst. Supdt., 3rd grade, attached to No. 7 Party (Amherst) . . . . .	18th Aug. 1892	.....	...
Dinapore .	Ditto attached to Nos. 4 and 5 Party (Bihar) . . . . .	1st Dec. 1892	... ..	...
Ditto .	Ditto, 4th grade, ditto .	23rd May 1893	.....	...

**James, Alfred John.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 3rd grade, and Draftsman, Headquarters Office . . . . .	18th Aug. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**Todd, Hugh.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Bangalore	Extra Asst. Supdt., 3rd grade, attached to No. 19 Party (Madras) . . . . .	18th Aug. 1892	.. ..	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**Connor, Edwin Joscelyn.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Poona	Extra Asst. Supdt., 3rd grade, attached to No. 25 Party (Tidal and Levelling) . . . . .	18th Aug. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...

**Connor, James.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Mandalay .	Extra Asst. Supdt., 3rd grade, attached to No. 3 Party (Shwebo)	18th Aug. 1892	.....	...
Ditto .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Dunne, Thomas Henry.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Central Provinces .	Extra Asst. Supdt, 3rd grade, on deputation to Settlement Department	18th Aug. 1892	.....	...
Ditto .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Bond, James.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Poona .	Extra Asst. Supdt., 3rd grade, attached to No. 25 Party (Tidal and Levelling)	18th Aug. 1892	.....	...
Ditto .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Potter, Clemons Defries.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Simla . . .	Extra Asst., Supdt., 3rd grade, attached to No. 18 Party (Himalaya)	18th Aug. 1892	.....	...
Ditto . . .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Tapsell, Charles Edward.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Poona . . .	Extra Asst. Supdt., 3rd grade, attached to No. 10 Party (Bombay)	18th Aug. 1892	.....	...
Ditto . . .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Barker, James Alexander.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Rangoon . . .	Extra Asst. Supdt., 4th grade, attached to No. 20 Party (Burma)	18th Aug. 1892	.....	...
Ditto . . .	Ditto, 3rd grade, ditto	8th Nov. 1892	.....	...
Ditto . . .	Ditto, 5th grade, ditto	23rd May 1893	.....	...
<i>On sick leave for 8 days, 18th to 25th May 1893.</i>				
Calcutta . . .	Extra Asst. Supdt., 5th grade, doing duty in the Drawing Office, Calcutta.	5th June 1893	.....	...

**Wainright, Edwin Alfred.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Quetta .	Extra Asst. Supdt., 4th grade, attached to No. 15 Party (Baluchistan)	18th Aug. 1892	.....	...
Ditto .	Ditto, 3rd grade, ditto	6th Dec. 1892	.....	...
Ditto .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Ewing, Richmond Cunningham Dundee.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Cuttack .	Extra Asst. Supdt., 4th grade, attached to No. 8 Party. (Orissa).	18th Aug. 1892	.....	...
Ditto .	Ditto, 3rd grade, ditto	14th Jan. 1893	.....	..
Ditto .	Ditto, in charge ditto	25th Apl. 1893	.....	...
Ditto .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Cornelius, Walter John.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Simla .	Extra Asst. Supdt., 4th grade, attached to the Drawing Office.	18th Aug. 1892	.....	..
Ditto .	Ditto, 5th grade, ditto	23rd May 1893	.....	...

**Jarbo, George Wilson.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Rangoon	Extra Asst. Supdt., 4th grade, attached to No. 7 Party (Amherst,)	18th Aug. 1892	.....	...
Ditto	Ditto, . 5th grade, ditto .	23rd May 1893	.....	...

**Doran, Patrick John William.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Bangalore	Extra Asst. Supdt., 4th grade, attached to No. 11 Party (Upper Burma) . . . . .	18th Aug. 1892	.....	...
Burma	Ditto ditto, accompanied Anglo-Siamese Boundary Commission . . . . .	1st Dec. 1892	.....	...
Bangalore	Ditto ditto, 5th grade, ditto . . . . .	23rd May 1893	.....	...

**Scott, James Reid.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Central Provinces.	Extra Asst. Supdt., 4th grade, on deputation to Settlement Department . . . . .	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 5th grade, ditto . . . . .	23rd May 1893	.....	...

**McHatton, John.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Tippera	Extra Asst. Supdt., 4th grade, attached to No. 2 Party (Eastern Bengal)	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 5th grade, ditto . . . . .	23rd May 1893	.....	...

**Kitchen, Henry Thomas.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Quetta	Extra Asst. Supdt., 4th grade, attached to No. 15 Party (Baluchistan)	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 5th grade, ditto . . . . .	23rd May 1893	.....	...

**Hickie, John.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Mussoorie	Extra Asst. Supdt., 4th grade, attached to No. 24 Party (Upper Burma)	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 5th grade, ditto . . . . .	23rd May 1893	.....	...



**Madras, Septimus Oswald.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Cuttack	Extra Asst. Supdt., 4th grade, attached to No. 8 Party (Orissa)	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 5th grade, ditto	23rd May 1893	.....	...

**Cusson, Geoffrey D'Esteral.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 4th grade, and Draftsman, Head-quarters Office	18th Aug. 1892	.....	...
<i>On special duty on the Nepal-Pilibhit Boundary Survey from 23rd March 1893.</i>				
Calcutta	Extra Asst. Supdt., 6th grade	23rd May 1893	.....	...
	Ditto and Draftsman, Head-quarters Office	2nd June 1893		

**Freeman, Thomas Frederick.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Naini Tal	Extra Asst. Supdt., 4th grade, in charge Garhwal Detachment	18th Aug. 1892	.....	...
Ditto	Ditto, 6th grade, ditto	23rd May 1893	.....	...

**Swiney, George Carleton.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Central Provinces .	Extra Asst. Supdt., 4th grade, on deputation to Settlement Department . . . . .	18th Aug. 1892	.....	...
Ditto .	Ditto, 6th grade, ditto . . . . .	23rd May 1893	.....	...

**Swiney, John Sydney.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment,	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Mandalay .	Extra Asst. Supdt, 4th grade, attached to No. 12 Party (Minbu) . . . . .	18th Aug. 1892	.....	...
Ditto .	Ditto ditto, 6th grade, ditto . . . . .	23rd May 1893	.....	...

**Torrens, Charles Patton.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Burma .	Extra Asst. Supdt., 4th grade. on deputation to Settlement Department . . . . .	18th Aug. 1892	.....	...
Ditto .	Ditto, 6th grade, ditto . . . . .	23rd May 1893	.....	...

**Robert, William.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Simla	Extra Asst. Supdt., 4th grade, attached to No. 18 Party (Himalaya)	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 6th grade, ditto	23rd May 1893	.....	...

**Shaw, Thomas.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 4th grade, attached to Head-quarters Office	18th Aug. 1892	.....	...
Ditto	Ditto, in charge Burdwan Detachment	14th Oct. 1892	.....	...
Ditto	Ditto, attached to No. 2 Party (Eastern Bengal)	1st Dec. 1892	.....	...
Ditto	Ditto, 6th grade, ditto	23rd May 1893	.....	...

**Wilson, Charles Walker.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Shiulong	Extra Asst. Supdt., 4th grade, attached to No. 6 Party (Assam)	18th Aug. 1892	.....	...
Calcutta	Ditto, attached to Head quarters Office	10th Nov. 1892	.....	...
Ditto	Ditto ditto, 6th grade, ditto	23rd May 1893	.....	...

**Parker, George Edwin.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Central Provinces.	Extra Asst. Supdt., 4th grade, on deputation to Settlement Department . . . . .	18th Aug. 1892	.....	...
Ditto	Ditto ditto, 6th grade, ditto . . . . .	23rd May 1893	.....	...

**Campbell, George.**—Joined the service, 18th August 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 18th August 1892.</i>				
Calcutta	Extra Asst. Supdt., 4th grade, attached to Head-quarters Office . . . . .	18th Aug. 1892	.....	...
Midnapore	Ditto, attached to No. 2 Party (Eastern Bengal) . . . . .	1st Dec. 1892	.....	...
Ditto	Ditto ditto, 6th grade, ditto . . . . .	23rd May 1893	.....	...

**Barckley, William Cyclone Groeme.**—Joined the service, 13th September 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 13th September 1892</i>				
Bangalore	Extra Asst. Supdt., 4th grade, attached to No. 21 Party (Upper Burma) . . . . .	13th Sept. 1892	.....	...
<i>Privilege leave for 1 month from 20th September 1892.</i>				
Ditto	Extra Asst. Supdt., 4th grade, attached to No. 21 Party (Upper Burma) . . . . .	20th Oct. 1892	.....	...
<i>Under suspension for 3 days.</i>				
Ditto	Ditto, 6th grade, ditto . . . . .	23rd May 1893	.....	...

**Hall, George Thomas.**—Joined the service, 8th November 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 8th November 1892.</i>				
Dinapore	Extra Asst. Supdt., 4th grade, attached to Nos. 4 and 5 Party (Bihar)	8th Nov. 1892	.....	...
Ditto	Ditto ditto, 6th grade, ditto	23rd May 1893	.....	...

**Vander-Beek, George Gerard.**—Joined the service, 6th December 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 6th December 1892.</i>				
Dinapore	Extra Asst. Supdt., 4th grade, attached to Nos. 4 and 5 Party (Bihar)	6th Dec. 1892	.....	...
Ditto	Ditto ditto, 6th grade, ditto	23rd May 1893	.....	...

**Todd, Robert.**—Joined the service, 14th January 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 14th January 1893.</i>				
Bangalore	Extra Asst. Supdt., 4th grade, attached to No. 19 Party (Madras)	14th Jan. 1893	.....	...
Ditto	Ditto ditto, 6th grade, ditto	23rd May 1893	.....	...

**Seyers, Charles Walter Franklin.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Calcutta	Extra Asst. Supdt., 6th grade, attached to Head-quarters Office . . . . .	23rd May 1893	.....	...

**Penrose, William Henry.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Calcutta	Extra Asst. Supdt., 6th grade, attached to Head-quarters. . . . .	23rd May 1893	.....	...
Assam	Ditto ditto No. 6 Party (Assam) . . . . .	5th June 1893	.....	..

**Murphy, John.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Rangoon	Extra Asst. Supdt., 6th grade, attached to No. 7 Party (Amherst) . . . . .	23rd May 1893	.....	...

**Smart, Arthur William.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Cuttack	Extra Asst. Supdt., 6th grade, attached to No. 8 Party (Orissa) . . . . .	23rd May 1893	.....	...

**Kelly, William Mathew.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Bangalore	Extra Asst. Supdt., 6th grade attached to No. 11 Party (Upper Burma)	23rd May 1893	.....	...

**Kitchen, Albert.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Simla	Extra Asst. Supdt., 6th grade, attached to Drawing Office	23rd May 1893	.....	...
<i>Privilege leave for 27 days from 24th June 1893.</i>				

**Hill, Elliot Playfair Smyth.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Central Provinces	Extra Asst. Supdt., 6th grade, on deputation to Settlement Department	23rd May 1893	.....	...

**Dickinson, Richard Randall.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Simla	Extra Asst. Supdt., 6th grade, attached to No. 10 Party (Bombay)	23rd May 1893	.....	...

**Knight, George Arthur.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Poona	Extra Asst. Supdt., 6th grade, attached to No. 10 Party (Bombay)	23rd May 1893	.....	...

**Fielding, William Augustus.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Simla	Extra Asst. Supdt., 6th grade, attached to No. 18 Party (Himalaya)	23rd May 1893	.....	...
<i>Privilege leave for 2 months and 23 days from 15th June 1893.</i>				

**Peters Paul Agabeg.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
Penang	Extra Asst. Supdt. 6th grade, on deputation Straits Settlements	23rd May 1893	.....	.....

**Marten, Thomas Sinclair.**—Joined the service, 23rd May 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 23rd May 1893.</i>				
	Extra Asst. Supdt., 6th grade, on deputation Forest Department	23rd May 1893	.....	...



