

LIST OF OFFICERS
IN
THE SURVEY OF INDIA DEPARTMENT

CORRECTED TO

1st JULY 1894.



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

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

CONTENTS.

SURVEY OF INDIA DEPARTMENT—

	PAGE
Index	1
List of Officers of the Senior Division	2
List of Officers of the Junior Division	8
Names of Administrative and Technical Offices	20
Names of Field Parties	21
Disposition List of Officers attached to Head-Quarters Offices	22
List of Technical and Ministerial Officers of the Survey of India Department	25
Disposition List of Officers attached to Field Parties	30
Disposition List of Officers transferred temporarily to other Departments or on furlough	44
Statement of services of Gazetted Officers	45

SURVEY OF INDIA DEPARTMENT.

INDEX.

	Page		Page
A			
Abdul Wahid	26	Collins, W. T.	26
Adams, W. F. E.	18 38 ...	Connor, E. J.	10 40 125
Adels, J. R.	25	Connor, J.	10 30 125
Amar Singh	18 32 ...	Cooke, G. H.	4 38 68
Amba Prasad	29	Cornelius, W. J.	10 24 128
Andrews, C.	27	Crichton, Lieut. R. T.	6 30 98
Atkinson, G. W. E.	6 24 113	Cusson, G. D.	12 23 26 130
Anlad Hussein	18 40 ...		
B		D	
Babonau, T. W.	25	Deas, D.	27
Babonau (Jr.), T. W.	16 23 ...	Descubes, A.	26
Baker, W. J.	16 30 ...	Dey, Chuni Lal	25
Banerjee, Banee Madhub	25	Dickinson, R. R.	12 34 137
Banerjee, Kali Pudo	25	Donaldson, W.	25
Barckley, W. C. G.	12 23 134	Doran, P. J. W.	10 34 129
Barker, J. A.	10 23 127	Dowling, E.	27
Barker, J. P.	16 30 ...	Dowman, H.	8 34 119
Barrett, E. C.	2 32 64	D'Pyvah, E.	27
Bateman, A. S.	26	D'Rozario, F. A.	25
Bedford, N.	16 30 ...	Dunne, T. H.	10 44 126
Beechey, P.	16 44 ...		
Beleham, G. P.	8 40 119	E	
Bell, F. S.	16 34 ...	Earle, E.	26
Belletty, M. C.	28	Eccles, J.	4 23 87
Berkeley, E. F.	16 42 ...	Erskine, C. F.	6 44 103
Berkeley, L. F.	14 30 ...	Ewing, A.	16 38 ...
Berkeley, M. F.	18 32 ...	Ewing, R. C. D.	10 42 128
Biggie, H. W.	18 34 ...	Ewing, W. H. D.	14 23 ...
Bolton, T.	28		
Bond, J.	10 40 126	F	
Burbridge, J.	29	Fielding, W. A.	14 38 137
Burn, Lieut. J. M.	6 40 106	Fleming, Capt. J. M.	4 30 89
Burrard, Capt. S. G.	4 40 84	Fraser, Lieut. H. A. D.	6 34 108
Buttress, W. S.	8 34 118	Freeman, J. A.	18 34 ...
Bythell, Capt. W. J.	4 36 94	Freeman, T. F.	12 42 131
		Fulford, J.	26
C		G	
Campagnac, W.	28	Gasper, C. S.	16 30 ...
Campbell, D.	14 36 ...	Gstaud, M.	16 32 ...
Campbell, G.	12 30 133	George, A.	14 34 ...
Charrier, H. A.	16 38 ...	George, C.	14 34 ...
Chatterjee, Nilmoni	18 42 ...	George, R.	28
Christie, A. D. I.	8 23 121		
Chunder, Ram Kristo	25		
Claudius, T. E. M.	10 36 123		
Coard, A. R.	26		
Coard, S. M.	26		

	Page
Ghose, Doorga Narain	25
Gibson, A. J.	8 34 117
Gilbert-Cooper, B. G.	6 23 102
Gordon, Capt. P. J.	6 38 101
Gore, Major St. G. C.	2 4 23 72
Gorman, W. M.	18 38 ...
Gray, C. O.	25
Green, W.	25
Greiff, J. O.	18 36 ...
Guthrie, C. F.	29
Gwynne, N. C.	8 36 121

H

Haddock, J. A. T.	16 44 ...
Hall, G. T.	12 30 134
Hamer, C. F.	10 38 122
Hanby, H. T.	8 32 120
Hanby, H. H. B.	18 32 ...
Harrold, J.	27
Haward, H.	28
Hickie, J.	12 40 130
Higgs, J. A.	14 23 25
Hill, E. P. S.	12 44 137
Hill, Lt.-Col. J.	2 40 58
Hira Singh, Rai Bahadur	16 36 ...
Hobday, Major J. R.	4 36 74
Hodgson, Capt. G. B.	4 32 82
Holdich, Bt.-Col. T. H.	2 36 51
Hughes, B. R.	16 36 ...
Hughes, B. V.	29

I

Imam Sharif, Khan Bahadur	18 36 ...
-------------------------------------	-----------

J

Jackson, E. J.	4 34 70
Jackson, Capt. H. M.	4 38 81
Jafr Khan	29
James, A. J.	10 38 124
James, A. W. N.	26
Jarbo, G. W.	10 32 128
Johnson, C. H. G.	18 34 ...
Johnson, W. E.	16 34 ...

K

Keating, J.	14 36 ...
Keelan, H. E. T.	8 42 116
Kelly, W. M.	12 34 136
Kennedy, J. M.	14 38 ...
Knight, G. A.	14 34 137
Kraal, C. S.	14 32 ...

L

Lagnier, L.	28
Lee, C. G.	16 32 ...

	Page
LeFranc, E. A.	28
LeFranc, G. A.	28
Lenox-Conyngnam, Lt. G. P.	4 40 96
Lepage, H. L.	27
Litchfield, C.	18 44 ...
Litchfield, E. F.	6 44 99
Little, E. G.	8 34 120
Littlewood, H. R.	6 34 105
Lloyd, T.	28
Longe, Capt. F. B.	4 38 76

M

Mackenzie, B.	27
Mackenzie, J. B.	27
Mackenzie, Capt. R. J. H. L.	4 36 93
Macaulay, Lt. P. J. F.	6 36 115
Madras, S. O.	12 32 130
Manuel, J. S.	29
Marten, J.	14 44 ...
Marten, T. S.	14 44 138
McA'Fee, C. H.	10 23 122
McCullagh, Lt.-Col. J. R.	2 44 60
McHatton, J.	12 30 129
Meade, C. J.	27
Meade, J. T.	27
Michael, P.	27
Mills, T. J. J.	16 23 ...
Milne, T. A.	25
Mizaji Lal	29
Mookerjee, Ambica Churn	27
Moore, W.	27
Morice, Lt. C. C. D.	6 40 107
Murphy, J.	12 32 136
Murphy, J. H.	16 32 ...
Musgrove, A. J.	25
Musgrove, L. H.	26
Muttyulla	26

N

Newland, W.	18 30 ...
Nichol, J. H.	18 44 ...
Norman, C.	14 36 ...
Norman, S. F.	14 36 ...

O

O'Donel, J. H.	10 44 23
Ollenbach, E. C.	26
Ollenbach, O. C.	18 30 ...
O'Sullivan, W. J.	8 32 121

P

Parker, G. E.	12 44 133
Pemberton, J. S.	6 32 110
Penrose, W. H.	12 32 136
Peters, P. A.	14 30 138
Peychers, H. W.	8 23 119
Pilcher, Lt. A. J.	6 44 112
Pocock, L. J.	8 23 25 120
Pope, T. Archdale.	4 24 90

	Page		Page
Potter, C. D.	10		38 127
Powell, F. B.	16		32 ...
Powell, H. B.	18		30 ...
Price, W. C.	8		32 122
Prunty, P. F.	14		40 138
R			
Rae, G.	18		34 ...
Rahmatulla	18		36 ...
Ravenscroft, S. U.	27		... ..
Bendell, T. H.	10	24	124
Renny-Tailyour, Capt. T. F. B.	4	44	91
Reynolds, W. H.	4	44	79
Robert, W.	12	38	132
Robertson, Lt. C. L.	6	36	115
Rodger, T. B.	26		... ..
Rogers, Lt.-Col. M. W.	2	24	56
Roziario, F.	29		... ..
Ryder, Lt. C. H. D.	6	34	109
S			
Saha, Shiv Nath	29		... ..
Sandeman, Lt.-Col. J.	2	22	50
Scallan, F. R. C.	26		... ..
Scott, G. B.	4	30	85
Scott, J. R.	12	44	129
Sen, Kanny Lall	27		... ..
Sen, Sarat Chunder	18	42	...
Sen, Purpa Chunder	26		... ..
Serrao, P. J.	16	30	...
Seyers, C. W. F.	12	32	135
Shaw, H. G.	16	34	...
Shaw, Joy Kristo	26		... ..
Shaw, Mohesh Chunder	26		... ..
Shaw, T.	12	30	132
Shome, Shoshi Bhooshun	29		... ..
Shome, Umbica Churn	29		... ..
Sinclair, R.	26		... ..
Sindon, H.	29		... ..
Skilling, W.	16	42	...
Smart, A. B.	16	30	...
Smart, A. W.	12	30	136
Smart, O. D.	16	30	...
Smart, P. C. H.	14	32	...
Smart, R. B.	10	30	124
Smith, J.	16	44	...
Smylie, S. M.	8	44	116
Sobhan Bux	27		... ..
Spring, A. E.	6	44	104
Stotesbury, W.	10	34	123
Strahao, Lt.-Col. C.	2	22	46
Swiney, G. C.	12	44	131
Swiney, J. S.	12	34	131
Symonds, Lt. C. W. H.	6	30	113
T			
Tapsell, C. E.	10	36	127
Tate, G. P.	14	42	...
Theakston, T. R.	28		... ..
Thuillier, Col. H. R.	2	22	45
Todd, H.	10	38	125
Todd, R.	12	38	135
Torrens, C. P.	12	44	132
Tulloch, W. R.	28		... ..
Turner, A. W.	27		... ..
V			
Vallis, H. R.	25		... ..
Vallis, J. A.	25		... ..
Vander-Beeck, G. G.	12	30	135
Vandyke, F. R.	28		... ..
Vaughan, P. K.	18	30	...
Vicux, A. T.	26		... ..
W			
Wahab, Major R. A.	4	38	77
Wainright, E. A.	10	36	127
Walker, G. C.	25		... ..
Waller-Senior, R.	14	38	...
Walsh, F. P.	16	30	...
Warde, F. E.	16	24	...
Ware, T. E.	25		... ..
Warwick, R. F.	14	38	...
Waterhouse, Col. J.	2	24	54
White, P.	14	38	139
Wilkins, Col. W. H.	2	23	42 48
Williams, P.	18	36	...
Wilmer, Col. J. R.	2	44	62
Wilson, A. J.	8	42	116
Wilson, C. W.	12	30	133
Wilson, J. H. S.	18	38	...
Wilson, W. A.	8	38	117
Wood, C.	6	32	97
Wood, C. G. S.	16	44	...
Woodthorpe, Col. R. G.	2	34	65
Wyntt, A. G.	8	23	118
Y			
Yusuf Sharif, Khan Bahadur	16	36	...

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 1894.
								Y. M. D.
Administrative Staff.								
1		Col. H. R. Thuillier, C.I.B., B.E.	G. T. S.	PH.	26 3 38	May 21, 1859	Feb. 19, 1887	. . .
1		Lt.-Col. C. Strahan, B.E.	Topogl.	. . . .	6 5 43	Sep. 26, 1863	Apl. 2, 1891	. . .
1		Lt.-Col. J. E. Sandeman, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1892	. . .
1		Major St. G. C. Gore, B. E.	. . . .	. . . .	. . . .	. . . .	May 1, 1894	. . .
1		Col. W. H. Wilkins, I.S.O.	. . . .	. . . .	. . . .	. . . .	Oct. 10, 1890	. . .
2		Col. J. Waterhouse, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1874	. . .
3		Lt.-Col. M. W. Rogers, B.E.	. . . .	. . . .	. . . .	. . . .	May 7, 1889	. . .
SENIOR DIVISION.								
Superintendents.								
1ST GRADE.								
<i>Salary ₹1,600.</i>								
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, C.B., C.I.B., B.E.	Topogl.	LS.	16 2 43	July 23, 1866	Apl. 2, 1891	. . .
2ND GRADE.								
<i>Salary ₹1,500.</i>								
1		Col. J. Waterhouse, I.S.O.	Topogl.	PH.	24 7 42	July 23, 1866	Apl. 26, 1889	. . .
2		Lt.-Col. M. W. Rogers, B.E.	G. T. S.	LS.	3 2 42	July 30, 1866	June 28, 1889	. . .
3		Lt.-Col. J. Hill, B.E.	G. T. S.	...	24 12 40	Dec. 18, 1866	Oct. 1, 1890	. . .
4		Lt.-Col. J. E. McCullagh, B.E.	G. T. S.	LS.	25 3 42	Feb. 12, 1869	Dec. 10, 1890	. . .
5		Col. J. E. Wilmer, I.S.O.	Topogl.	HS.	20 1 41	Aug. 24, 1869	Feb. 19, 1891	. . .
6		E. C. Barrett	Rev.	HS.	14 4 43	Dec. 30, 1868	Oct. 13, 1891	30 9 0
7		Col. R. G. Woodthorpe, C.B., B.E.	Topogl.	LS.	23 9 44	July 14, 1871 June 5, 1892A	Apl. 28, 1894	. . .

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

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

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R s. p.			
1	3,000 0 0	. . . . .	Surveyor-General of India.	
1	2,200 0 0	. . . . .	Deputy Surveyor-General, in charge Revenue Branch.	
1	2,000 0 0	. . . . .	Director, Bengal Surveys.	
1	1,182 10 0	(a) Local, R200	Superintendent, Trigonometrical Surveys, Dehra Dun.	
1	1,600 0 0	(b) Presidency, R60	Assistant Surveyor-General	In charge, Engraving and Drawing Offices, Head-Quarters, Calcutta.
2	1,300 0 0	(c) Special, R200	Assistant Surveyor-General	In charge, Lithographic and Photographic Offices, Head-Quarters, Calcutta.
3	1,543 8 0	(b) Presidency, R60	Assistant Surveyor-General	In charge, Surveyor-General's and Mathematical Instrument Offices, Head-Quarters, Calcutta.
1	. . . . .	. . . . .	Head-Quarters, Calcutta.	
2	. . . . .	. . . . .	Head-Quarters, Calcutta.	
3	1,600 0 0	. . . . .	In charge, No. 15 (Baluchistan).	
1	. . . . .	. . . . .	Head-Quarters, Calcutta.	
2	. . . . .	. . . . .	Head-Quarters, Calcutta.	
3	1,543 8 0	(d) Deputation, R100	In charge, No. 25 (Tidal and Levelling).	
4	. . . . .	. . . . .	. . . . .	Furlough for 1 year, 3 months and 19 days, from 1st October 1893.
5	. . . . .	. . . . .	. . . . .	Furlough for 1 year, 9 months and 17 days, from 3rd April 1894 to 19th January 1896.
6	1,300 0 0	. . . . .	In charge, No. 6 (Assam).	Joined the Junior Division, 19th November 1892.
7	1,543 8 0	. . . . .	In charge, No. 11 (Upper Burma).	

(a) Secretary of State's Despatch No. 49 (Revenue), dated 19th April 1894.
(b) Department of Agriculture, Revenue and Commerce, memorandum No. 213, dated 14th May 1876.
(c) Ditto of Agriculture, Revenue and Commerce, memorandum No. 731, dated 31st October 1873.
(d) Ditto of Revenue and Agriculture No. 519-81-4, dated 16th 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 1894.
								Y. M. D.
SENIOR DIVISION								
<i>-contd.</i>								
Deputy Superintendents.								
1ST GRADE.								
<i>Salary R1,000.</i>								
9	1	G. H. Cooke	Rev.	LS.	29 10 4	Apl. 1, 1870	Aug. 12, 1889	26 0 8
	2	E. J. Jackson	Rev.	HS.	6 11 44	Nov. 5, 1868	Oct. 1, 1890	26 0 8
	3	Major St. G. C. Gore, R.E.	G. T. S.	. . . . .	24 2 49	Apl. 11, 1873	Oct. 31, 1890	. . . . .
	4	Major J. R. Hobday, I.S.C.	Topogl.	HS; Colloquial Burmese and LS Shan.	16 7 50	Sep. 11, 1874	Nov. 4, 1890	. . . . .
	5	Capt. F. B. Longe, R.E. . . . .	†	. . . . .	31 10 56	Mar. 15, 1880	Dec. 10, 1890	. . . . .
	6	Major R. A. Wahab, B.E.	†	HS; HP Urdu; HS Persian; LS Pushtu.	14 4 55	Jan. 8, 1883	Feb. 19, 1891	. . . . .
	7	W. H. Reynolds, F.B.G.S.	†	LS.	20 2 43	Oct. 24, 1890	Mar. 31, 1891	. . . . .
	8	Capt. H. M. Jackson, R.E.	†	HS.	27 3 58	June 11, 1883	Oct. 13, 1891	. . . . .
	9	Capt. G. B. Hodgson, I.S.C.	†	HS.	28 10 58	Sep. 12, 1883	Apl. 28, 1894	. . . . .
2ND GRADE.								
<i>Salary R850.</i>								
9	1	Capt. S. G. Burrard, R.E.	†	LS.	12 8 60	Sep. 2, 1884	June 28, 1889	. . . . .
	2	G. B. Scott	Rev.	{ HS. LS. } { Burmese }	31 7 44	Nov. 10, 1884	Apl. 1, 1890	31 2 0
	3	J. Eccles, M.A. . . . .	†	. . . . .	9 9 57	May 30, 1885	Dec. 10, 1890	9 1 1
	4	Capt. J. M. Fleming, I.S.C.	†	{ HS. and } { LS. } { Persian } { Telugu, Tamil. }	12 8 58	July 3, 1885	Feb. 19, 1891	. . . . .
	5	T. Archdale Pope . . . . .	†	. . . . .	21 6 58	Oct. 1, 1886	Mar. 31, 1891	7 9 0A
	6	Capt. T. F. B. Renny-Tailyour, R.E. . . . .	†	. . . . .	8 6 63	Apl. 1, 1888	Apl. 2, 1891	. . . . .
	7	Capt. R. J. H. L. Mackenzie, R.E. . . . .	†	. . . . .	15 4 63	Mar. 26, 1888	Oct. 13, 1891	. . . . .
	8	Capt. W. J. Bythell, R.E. . . . .	†	. . . . .	9 9 62	May 29, 1889	Apl. 28, 1894	. . . . .
	9	Lieut. G. P. Lenox-Conyngham, R.E. . . . .	†	. . . . .	21 8 66	July 16, 1889	May 8, 1894	. . . . .

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

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

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
1	1,300 0 0	. . . . .	In charge, No. 20 (Burma)	Joined the Junior Division, 6th December 1866. Officiating Superintendent, 2nd grade.
2	1,300 0 0	. . . . .	In charge, No. 9 (Central Provinces.)	Joined the Junior Division, 26th September 1864. Officiating Superintendent, 2nd grade.
3	. . . . .	. . . . .	Superintendent, Trigonometrical Surveys, Dehra Dun.	
4	1,000 0 0	. . . . .	In charge, No. 17 (Bombay Forest.)	
5	1,140 0 0	(e) Upper Burma, R100.	In charge, No. 21 (Upper Burma).	
6	1,182 10 0	. . . . .	In charge, No. 18 (Himalaya).	
7	1,000 0 0	Staff, R100	On deputation, Forest Department, as Superintendent, Forest Surveys.	Service in Forest Department, from 1st January 1871 to 23rd October 1890.
8	1,140 0 0	. . . . .	In charge, No. 19 (Madras).	
9	1,000 0 0	. . . . .	In charge, Nos. 4 and 5 (Bihar).	
1	1,140 0 0	. . . . .	In charge, No. 22 (Astro.)	Officiating Deputy Superintendent, 1st grade.
2	1,000 0 0	(e) Upper Burma, R150.	In charge, No. 3 (Shwebo)	Joined the Junior Division, 1st May 1863. Officiating Deputy Superintendent, 1st grade.
3	850 0 0	. . . . .	In charge, Computing.	
4	850 0 0	(b) Presidency, R60	In charge, Nos. 2 and 8 (Bengal).	
5	850 0 0	(b) Presidency, R60	Head-Quarters, Calcutta.	
6	. . . . .	. . . . .	. . . . .	Furlough to Europe for 1 year, from 6th May 1893. Extension for 8 months.
7	990 0 0	(f) Baluchistan, R100	No. 15 (Baluchistan).	
8	890 0 0	. . . . .	In charge, No. 14 (Nimar).	
9	920 0 0	. . . . .	In charge, No. 23 (Astronomical)	

(b) Department of Agriculture, Revenue and Commerce, memorandum No. 213, dated 14th May 1878.
 (c) Department of Finance and Commerce No. 750, dated 11th February 1889.
 (f) Department of Finance and Commerce No. 5820, dated 25th October 1888.

Classified List of Officers of the Senior Division, Survey of

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

* Applies only to officers who are under the Uncovenanted Service Rules.
 † Joined the Department after the amalgamation on the 1st January 1878.
 ‡ Passed in Surveying by the Higher Standard as defined in the Forest Department Code, 3rd Edition.
 (1) Excludes previous service in the Bombay Revenue Survey.

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

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
1	800 0 0	(f) Burma, R150 .	In charge, No. 7 (Amherst) .	{ Officiating Deputy Superintendent, 2nd grade. Joined Junior Division, 6th May 1888.
2	800 0 0	. . . . .	In charge, Nos. 2 and 8 (Bihar).	{ Officiating Deputy Superintendent, 2nd grade. Service in Forest Department from 16th October 1876 to 23rd October 1890.
3	800 0	Local, R50.	On deputation, Forest Department, No. 21 (Upper Burma).	{ Officiating Deputy Superintendent, 2nd grade.
4	600 0 0	(e) Upper Burma, R100.	Head-Quarters, Calcutta.	
5	600 0 0	(b) Presidency, R100		
6	. . . . .	. . . . .	. . . . .	On furlough for one year, from 20th June 1894.
7	. . . . .	. . . . .	. . . . .	Medical leave for 6 months, from 20th April 1894.
8	600 0 0	{ (e) Upper Burma, R150. (c) Charge, R100	In charge, No. 12 (Magwe) .	Joined the Junior Division, 6th October 1860.
9	670 0 0	{ (e) Upper Burma, R100. (c) Charge R100 .	In charge, No. 24 (Upper Burma).	
10	670 0 0	. . . . .	No. 25 (Tidal and Levelling).	
1	670 0 0	(c) Charge, R100 .	In charge, No. 10 (Bombay) .	Officiating Assistant Superintendent, 1st grade.
2	670 0 0	(e) Upper Burma, R100.	No. 11 (Upper Burma)	Ditto ditto ditto.
3	600 0 0	. . . . .	Nos. 4 and 5 (Bihar)	{ Ditto ditto ditto. Joined the Junior Division, 6th October 1860.
4	. . . . .	. . . . .	. . . . .	Leave on private affairs for 4 months, from 16th June 1894.
5	600 0 0	. . . . .	Nos. 2 and 8 (Bihar).	Officiating Assistant Superintendent, 1st grade.
6	600 0 0	. . . . .	Drawing Office, Simla	{ Ditto ditto ditto. Joined the Junior Division, 1st August 1860.
7	570 0 0	(f) Baluchistan, R100.	No. 15 (Baluchistan).	
8	570 0 0	(f) Baluchistan, R100.	No. 15 (Baluchistan).	
9	. . . . .	. . . . .	. . . . .
10	. . . . .	. . . . .	. . . . .

(b) Department of Agriculture, Revenue and Commerce, memorandum No. 217, dated 14th May 1878.
 (c) Department of Agriculture and Commerce, memorandum No. 731, dated 31st October 1873.
 (e) Department of Finance and Commerce, No. 768, dated 11th February 1889.
 (f) Department of Finance and Commerce, No. 6826, dated 26th October 1893.

Classified List of Officers of the Junior Division, Survey

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st July 1894.
		JUNIOR DIVISION.						
		Extra Assistant Superintendents.						
		1ST GRADE. Salary <i>R550.</i>						
3 1 Sup.	1	H. E. T. Keelan	G. T. S.	. . . .	1 5 43	Aug. 1858	Oct. 29, 1883	30 7 2
	2	A. J. Wilson	Topogl.	LS.	1 9 42	Oct. 1, 1860	June 2, 1884	31 6 9
	3	S. M. Smylie	Rev.	LS.	25 11 40	July 24, 1860	June 27, 1886	33 0 2
	4	W. A. Wilson	Rev.	LS.	3 6 43	Jan. 1, 1861	Dec. 18, 1893	30 1 12
5		2ND GRADE. Salary <i>R500.</i>						
	1	A. J. Gibson	Rev.	. . . .	1 12 41	May 1, 1861	May 23, 1893	33 1 27
	2	W. S. Buttress	Rev.	. . . .	19 2 44	Oct. 1, 1860	May 23, 1893	33 10 0
	3	A. G. Wyatt	Topogl.	. . . .	25 2 45	Nov. 1, 1861	May 23, 1893	29 4 6
	4	H. W. Peychers	G. T. S.	. . . .	13 12 42	Apr. 8, 1862	Nov. 25, 1893	31 6 18
	5	G. P. Belcham	G. T. S.	HS.	14 2 45	Nov. 1, 1862	Dec. 18, 1893	31 8 0
		3RD GRADE. Salary <i>R450.</i>						
	1	H. Dowman	Rev.	. . . .	11 6 46	Oct. 16, 1862	May 23, 1893	31 8 1
	2	W. G. Little	Rev.	ES. Burmese.	11 10 45	Nov. 5, 1862	May 23, 1893	28 8 19
	3	H. T. Hanby	Rev.	LS.	20 10 45	Nov. 13, 1862	May 23, 1893	31 7 18
	...	L. J. Pocock	G. T. S.	HS.	26 9 43	July 10, 1863	May 23, 1893	30 6 7
	4	A. D. L. Christie	G. T. S.	HS. LS. Marathi.	29 9 45	Aug. 7, 1863	May 23, 1893	28 3 4
	5	N. C. Gwynne	G. T. S.	. . . .	5 3 43	Oct. 19, 1863	May 23, 1893	30 8 12
	6	W. J. O'Sullivan	G. T. S.	. . . .	14 2 44	Oct. 1, 1863	Nov. 25, 1893	30 4 17
	7	W. C. Price	G. T. S.	. . . .	23 6 46	Nov. 1, 1863	Dec. 18, 1893	28 0 8

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

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	<i>R a. p.</i>			
1	550 0 0	(a) Charge, <i>R50</i> . . .	In charge, Indus River Detachment.	Inclusive of furlough out of India for 11 months and 13 days; also for 11 months and 24 days from 12th May 1888 to 5th May 1889. Exclusive of medical leave for 6 months, sick leave for 18 days, and leave without pay for 11 days.
2	550 0 0	(b) Presidency house-rent, <i>R45</i> .	Calcutta Detachment . . .	Apprentice Draftsman from 1st January 1860. Furlough in India for 6 months from 30th October 1891. Recalled to duty, 18th February 1892.
3	. . .	. . . . .	. . . . .	Exclusive of furlough in India for 4 months and 4 days from 8th November 1882 to 11th March 1883. On furlough for 1 year, 7 months and 24 days, from 1st April 1894.
4	550 0 0	(c) Burma, <i>R50</i> . . .	No. 20 (Burma) . . .	Furlough for 1 year from 24th March 1889.
1	500 0 0	. . . . .	No. 10 (Bombay) . . .	Absent without leave for 3 days in January 1886.
2	500 0 0	(d) Upper Burma, <i>R80</i> .	No. 12 (Magwe) . . .	Copyist from 1st to 30th September 1860.
3	500 0 0	(b) Presidency house-rent, <i>R45</i> .	Head-Quarters, Calcutta . . .	Inclusive of furlough out of India from 11th November 1883 to 6th November 1884.
4	500 0 0	(e) Dehra Office, <i>R50</i> .	Computing, Dehra Dun.	
5	500 0 0	(f) Deputation, <i>R50</i> .	No. 25 (Tidal and Levelling) .	Service reckoned under old rules.
1	450 0 0	. . . . .	No. 9 (Central Provinces) . . .	Absent without leave 3 days, sick leave 2 days in October and 4 days, in December 1865, and 6 days in December 1868.
2	450 0 0	(d) Upper Burma, <i>R80</i>	No. 12 (Magwe) . . .	Apprentice from 1st January 1860. Exclusive of 5 years 10 months and 10 days' service under 20 years of age.
3	450 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
...	600 0 0	. . . . .	Chief Draftsman, Head-Quarters, Calcutta.	Exclusive of 89 days' sick leave.
4	450 0 0	. . . . .	Computing, Dehra Dun . . .	Exclusive of furlough in India from 18th November 1886 to 15th May 1897.
5	450 0 0	. . . . .	No. 14 (Nimar).	
6	450 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
7	450 0 0	(c) Burma, <i>R50</i> . . .	No. 7 (Amherst).	

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

(b) Financial Resolution No. 704, dated 22nd February 1860.

(c) Department of Finance and Commerce No. 5926, dated 25th October 1888.

(d) Department of Finance and Commerce No. 760, dated 11th February 1889.

(e) Financial Resolution No. 3990, dated 22nd December 1864, and No. 2579, dated 30th November 1871.

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

Classified List of Officers of the Junior Division, Survey of

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st July 1894.
								Y. M. D.
JUNIOR DIVISION —contd.								
Extra Assistant Superintendents—contd.								
4TH GRADE. Salary R400.								
10	1	C. H. McA'Fee	G. T. S.	LS.	14 11 49	Sep. 6, 1864	May 23, 1893	24 6 17
	2	C. F. Hamer	Topogl.	. . . .	6 10 46	Aug. 3, 1863	May 23, 1893	27 10 24
	...	J. H. O'Donel	Rev.	. . . .	10 7 45	Oct. 1, 1863	May 23, 1893	28 11 20
	3	T. E. M. Claudius	Topogl.	. . . .	1 6 46	Aug. 1, 1863	May 23, 1893	28 1 0
	4	W. Stotesbury	Topogl.	{ HS ; LS, Cana- rese. }	26 7 47	Oct. 4, 1864	May 23, 1893	26 11 6
	5	T. H. Rendell	G. T. S.	. . . .	23 7 44	Oct. 11, 1864	May 23, 1893	29 7 29
	6	R. B. Smart	Rev.	LS.	28 6 47	Jan. 1, 1865	May 23, 1893	27 0 2
	7	A. J. James	Topogl.	LS.	19 11 46	June 15, 1864	May 23, 1893	27 7 12
	8	Hugh Todd	G. T. S.	. . . .	16 8 47	July 15, 1865	May 23, 1893	26 9 16
	9	E. J. Connor	G. T. S.	LS.	18 8 48	Mar. 1, 1865	May 23, 1893	25 4 10
	10	J. Connor	Rev.	. . . .	27 8 47	Feb. 15, 1865	Dec. 18, 1893	26 9 24
5TH GRADE. Salary R360.								
15	...	T. H. Dunne	Rev.	LS.	25 5 49	Feb. 15, 1865	May 23, 1893	24 5 26
	1	J. Bond	G. T. S.	. . . .	6 1 50	Oct. 18, 1866	May 23, 1893	24 5 5
	2	C. D. Potter	G. T. S.	LS.	19 8 45	Oct. 29, 1866	May 23, 1893	27 7 0
	3	C. E. Tapsell	Topogl.	LS.	14 11 44	Aug. 2, 1864	May 23, 1893	29 7 17
	4	J. A. Barker	Topogl.	. . . .	13 4 46	Sep. 18, 1865	May 23, 1893	28 2 10
	5	E. A. Wainwright	Topogl.	. . . .	8 6 48	May 1, 1866	May 23, 1893	26 0 23
		R. C. D. Ewing	Rev.	HS.	10 6 48	June 9, 1866	May 23, 1893	24 11 25
	7	W. J. Cornelius	Topogl.	LS.	31 3 49	Aug. 15, 1866	May 23, 1893	25 3 1
	8	G. W. Jarbo	Rev.	LS.	15 9 47	Nov. 1, 1866	May 23, 1893	26 9 0
	9	P. J. W. Doran	Topogl.	LS.	5 5 49	Feb. 1, 1867	May 23, 1893	25 1 27

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

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
1	400 0 0	. . . .	Drawing Office, Dehra Dun .	Passed the Poona C. E. College examination in 1864. Sick leave for 1 month, from 30th December 1882.
2	400 0 0	. . . .	No. 19 (Madras).	
...	. . . .	. . . .	On deputation, Assam.	
3	400 0 0	(c) Baluchistan, R80 .	No. 15 (Baluchistan).	
4	450 0 0	. . . .	No. 10 (Bombay).	
5	400 0 0	(g) Simla allowance R25	Drawing Office, Simla.	
6	400 0 0	. . . .	Nos. 2 and 8 (Bihar) . . .	Apprentice from 1st January 1864.
7	400 0 0	(d) Upper Burma, R80	No. 21 (Upper Burma).	
8	400 0 0	. . . .	No. 19 (Madras)	Exclusive of 30 days' sick leave from 2nd November 1868.
9	400 0 0	. . . .	No. 25 (Tidal and Levelling) .	Exclusive of 6 months and 5 days' leave on private affairs under new rules from 1st November 1876.
10	400 0 0	(d) Upper Burma, R80.	No. 3 (Shwebo).	
...	. . . .	. . . .	On deputation, Central Provinces.	Absent without leave 1 day, and sick leave 10 days in October 1865.
1	350 0 0	(c) Burma, R50 or (d) Upper Burma, R80.	No. 25 (Tidal and Levelling) .	Exclusive of 20 days' sick leave in February 1876.
2	350 0 0	. . . .	No. 18 (Himalaya)	Exclusive of 39 days' sick leave. Obtained a Civil Engineer's certificate at the Madras C. E. College in 1866.
3	350 0 0	. . . .	No. 17 (Bombay Forests).	
4	350 0 0	(b) Presidency house- rent, R30.	Head-Quarters, Calcutta . . .	Exclusive of sick leave from 16th to 26th May 1869.
5	350 0 0	(c) Baluchistan, R80 .	No. 15 (Baluchistan).	
6	350 0 0	(a) Charge, R50 .	In charge, Orissa Detachment .	Furlough from 17th September 1866 to 11th September 1867.
7	350	(g) Simla allowance, R25	Drawing Office, Simla.	
8	350 0 0	(e) Burma, R50 . . .	No. 7 (Amherst)	Apprentice Draftsman from 9th April 1866. Sick leave for 15 days, from 26th May to 9th June 1869.
9	350 0 0	(d) Upper Burma, R80.	No. 11 (Upper Burma).	

(a) Secretary of State's despatch No. 121, dated 27th May 1866.

(b) Financial Resolution No. 704, dated 22nd February 1860.

(c) Financial Resolution No. 5826, dated 25th October 1886.

(d) Department of Finance and Commerce No. 756, dated 11th February 1869.

(g) Revenue and Agricultural Department, No. ¹³³⁹ dated 1st November 1890.

Classified List of Officers of the Junior Division, Survey of

No. sanctioned	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st July 1894.	Y. M. D.
JUNIOR DIVISION									
—contd.									
Extra Assistant Superintendents—contd.									
5TH GRADE—concl'd.									
Salary R360—concl'd.									
10		J. R. Scott	Rev.	LS.	5 3 49	Jan. 19, 1867	May 23, 1893	25 3 27	
11		J. McHatton	Rev.	LS.	15 6 54	July 1, 1867	May 23, 1893	23 11 14	
12		J. Hickie	G. T. S.	LS.	13 1 49	Apl. 29, 1868	May 23, 1893	24 11 18	
13		S. O. Madras	Rev.	. . . . .	15 9 50	July 6, 1868	May 23, 1893	23 9 0	
...		G. D. Cusson	G. T. S.	LS.	23 9 46	May 8, 1868	July 6, 1893	26 1 23	
14		T. F. Freeman	Rev.	LS.	3 3 51	Sep. 9, 1868	Nov. 25, 1893	20 8 27	
...		G. O. Swiney	Rev.	. . . . .	27 6 49	Sep. 17, 1868	Dec. 18, 1893	25 0 4	
15		J. S. Swiney	Rev.	. . . . .	19 12 50	Jan. 5, 1869	Dec. 18, 1893	23 6 12	
6TH GRADE.									
Salary R300.									
...		C. P. Torrens	G. T. S.	. . . . .	19 6 51	Dec. 12, 1868	May 23, 1893	22 6 10	
1		W. Robert	Topogl.	. . . . .	27 2 51	Aug. 21, 1869	May 23, 1893	23 4 2	
2		T. Shaw	Rev.	LS.	15 11 52	Apl. 21, 1869	May 23, 1893	21 7 15	
3		C. W. Wilson	Rev.	LS.	9 11 45	June 21, 1867A	May 23, 1893	26 6 1	
...		G. E. Parker	Rev.	. . . . .	18 2 50	Nov. 18, 1870	May 23, 1893	23 7 13	
4		G. Campbell	Rev.	. . . . .	13 7 48	Mar. 1, 1871	May 23, 1893	24 5 9	
5		W. C. G. Barckley	Topogl.	. . . . .	22 10 51	Dec. 1, 1871	May 23, 1893	22 0 28	
6		G. T. Hall	G. T. S.	LS.	3 12 51	Nov. 22, 1872	May 23, 1893	21 7 9	
7		G. G. Vander-Beek	Topogl.	LS.	16 9 49	July 1, 1872	May 23, 1893	23 8 21	
8		B. Todd	Topogl.	. . . . .	12 7 45	Nov. 1, 1863	May 23, 1893	28 11 20	
9		C. W. F. Seyers	Rev.	. . . . .	1 7 46	Dec. 1, 1864	May 23, 1893	29 3 0	
10		W. H. Penrose	Rev.	LS.	6 10 51	Aug. 11, 1869	May 23, 1893	22 1 17	
11		J. Murphy	Rev.	. . . . .	12 7 52	Nov. 1, 1871	May 23, 1893	21 11 19	
12		A. W. Smart	Rev.	. . . . .	27 2 51	Dec. 1, 1871	May 23, 1893	22 4 0	
13		W. M. Kelly	Rev.	LS.	6 8 54	Oct. 1, 1872 Oct. 1, 1878B	May 23, 1893	19 10 25	
...		E. P. S. Hill*	Rev.	HS; LS Persian.	14 7 55	Nov. 16, 1872	May 23, 1893	18 11 15	
14		R. R. Dickinson	Rev.	LS.	25 7 52	Apl. 16, 1873	May 23, 1893	22 3 0	

(A) Commencement of second service.

(B) Date of re-appointment.

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

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

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R. S. V.			
10	. . . . .	. . . . .	On deputation, Central Provinces.	
11	350 0 0	(h) Settlement, R50 .	Nos. 2 and 8 (Bengal) . . .	Furlough for 1 year, from 1st January 1879.
12	350 0 0	(d) Upper Burma, R80.	No. 24 (Upper Burma) . . .	Exclusive of 6 months' sick leave from 1st March 1873.
13	. . . . .	. . . . .	. . . . .	Under suspension, from 15th May 1894.
...	400 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	Inclusive of furlough out of India for 364 days from 1st November 1879.
14	350 0 0	{ (a) Charge, R50 } { (i) Local, R50 } .	In charge, Garhwal Detachment	Sick leave for 2 years, from 1st May 1880; extension for 9 months without pay to 31st January 1883.
...	. . . . .	. . . . .	On deputation, Central Provinces.	
15	350 0 0	(d) Upper Burma, R80.	No. 12 (Magwe).	
...	. . . . .	. . . . .	On deputation, Burma . . .	Exclusive of 2 days, overstayed privilege leave.
1	300 0 0	. . . . .	No. 18 (Himalaya).	
2	300 0 0	{ (h) Settlement R50 . (b) Presidency house-rent, R30. (a) Upper Burma, R80 }	Nos. 2 and 8 (Bengal).	
3	300 0 0	. . . . .	No. 3 (Shwebo)	Sick leave for 3 months, from 1st March 1869, 2 months from 1st August 1869, and from 22nd April to 31st May 1892.
...	. . . . .	. . . . .	On deputation, Central Provinces.	
4	300 0 0	. . . . .	Nos. 2 and 8 (Bihar) . . .	Office Assistant from 1st January 1864. Furlough for 1 year, from 22nd September 1881. Medical leave from 16th March to 15th September 1891.
5	300 0 0	(b) Presidency house-rent, R30.	Head-Quarters, Calcutta . . .	Inclusive of special leave to Europe on full pay for one year 10 months and 28 days from 7th April 1876. Suspension from office from 16th to 18th May 1893.
6	300 0 0	(h) Settlement, R50 .	Nos. 2 and 8 (Bihar).	
7	300 0 0	. . . . .	Nos. 2 and 8 (Bihar) . . .	Apprentice Draftsman from 11th October 1870.
8	300 0 0	. . . . .	No. 19 (Madras)	Suspension from 11th May to 6th June 1893.
9	300 0 0	(c) Burma R50	No. 7 (Amherst)	Apprentice Draftsman from 1st September 1864.
10	300 0 0	(e) Assam, R50	No. 6 (Assam)	Medical leave for 3 months from 16th May 1890; extension for 1 month to 15th September 1890.
11	300 0 0	(c) Burma, R50	No. 7 (Amherst)	Medical leave from 22nd October to 28th November 1883, and from 3rd August 1886 to 2nd February 1887, excluded.
12	300 0 0	(h) Settlement, R50 .	Nos. 2 and 8 (Bihar) . . .	Office Assistant from 22nd November 1868.
13	300 0 0	(d) Upper Burma R80.	No. 11 (Upper Burma) . . .	Sick leave for three months, from 8th July 1890.
...	. . . . .	. . . . .	On deputation, Central Provinces.	Inclusive of service in the Forest Department from 1st November 1877 to 30th September 1878.
14	300 0 0	. . . . .	No. 10 (Bombay)	Apprentice from 1st April 1872.

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

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

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

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

(e) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 1889.

(f) Secretary of State's Despatch No. 38 (Finl.), dated 22nd February 1864.

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 1894.	
		JUNIOR DIVISION							Y. M. D.
		—contd.							
		Extra Assistant Superintendents—							
		concl'd.							
		6TH GRADE—concl'd.							
		Salary R300—concl'd.							
	15	G. A. Knight	Topogl.	. . . .	22 4 54	Aug. 11, 1873	May 23, 1893	20 0 11
	16	W. A. Fielding . . . . .	. . . .	LS.	17 5 48	May 1, 1868 Oct. 1, 1867A	May 23, 1893	26 1 14
	17	P. A. Peters	Rev.	LS.	24 12 54	Nov. 1, 1873	May 23, 1893	19 5 8	
	18	T. S. Marten	Forest Surv.	. . . .	23 2 46	Oct. 6, 1868	May 23, 1893	20 3 18
	19	P. F. Prunty	G. T. S.	. . . .	24 12 54	May 9, 1874	Nov. 15, 1893	19 6 7
	20	P. White	Topogl.	LS.	10 10 50	Oct. 1, 1872	Nov. 25, 1893	17 10 6	
		Sub-Assistant Superintendents.							
		1st GRADE.							
		Salary R200 rising to R260.							
	1	J. Keating	G. T. S.	. . . .	4 5 54	June 1, 1874	July 1, 1886	20 1 0
	2	S. F. Norman	G. T. S.	. . . .	8 8 54	Sep. 1, 1874	Apl. 1, 1887	19 10 0
	3	C. Norman	G. T. S.	LS.	18 6 56	Oct. 12, 1874	Apl. 1, 1887	18 1 12	
	4	C. S. Kraal	Rev.	LS.	25 10 53	July 24, 1874	Aug. 1, 1886	19 10 21	
	5	D. Campbell	Topogl.	LS.	18 11 52	Nov. 1, 1874	Apl. 1, 1887	21 7 13	
	6	L. F. Berkeley	Rev.	LS.	28 8 54	Aug. 16, 1875	Nov. 24, 1887	18 10 16	
	7	J. Marten	Forest Surv.	. . . .	27 9 51	Oct. 6, 1868	Oct. 6, 1888	18 8 10
	8	G. P. Tate	†	LS. & HS. Baluchi.	22 7 56	Mar. 12, 1878	Aug. 29, 1888	17 11 9	
	9	J. M. Kennedy	G. T. S.	. . . .	2 11 56	Aug. 19, 1875	Nov. 1, 1888	17 7 28
	10	P. C. H. Smart . . . . .	†	. . . .	16 9 55	Apl. 18, 1878	Nov. 24, 1888	15 9 6
	11	R. F. Warwick	G. T. S.	LS.	25 3 55	July 2, 1875	May 9, 1889	16 2 2	
	12	A. George	†	LS.	14 1 55	Oct. 15, 1878	May 13, 1889	15 8 17	
	13	W. H. D. Ewing	†	LS.	23 8 57	Apl. 15, 1878	May 16, 1889	16 0 15	
	14	C. George	†	LS.	7 12 52	Sep. 5, 1878	Feb. 1, 1890	19 10 14	
	15	R. Waller—Senior	†	LS.	13 11 60	Dec. 21, 1878	May 5, 1890	13 2 19	
	...	J. A. Higgs	†	LS.	18 4 59	Sep. 12, 1881	Nov. 10, 1890	14 6 0	

(A) Date of re-appointment.

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

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
15	300 0 0	. . . . .	No. 10 (Bombay)	Medical leave from 12th May to 7th July 1892.
16	300 0 0	. . . . .	No. 18 (Himalaya)	Inclusive of services in the Bombay Secretariat from 1st April 1886 to 10th September 1887.
17	300 0 0	(b) Presidency house-rent R30.	No. 2 & 8 (Bengal)	Inclusive of service in the Straits Settlements from 29th October 1885 to 31st December 1893. Includes previous service in Forest Department from 14th March 1874.
18	300 0 0	. . . . .	On deputation, Forest Department.	
19	300 0 0	. . . . .	No. 2A (Upper Burma).	
20	300 0 0	(c) Burma R50	No. 20 (Burma)	Exclusive of sick leave for 3 months from 21st October 1878; extension for 3 months; further extension of leave without pay up to 17th August 1879. On half-pay list from 18th August 1879 to 31st August 1880. Sick leave for 1 year from 17th October 1881; extension to 28th January 1883. Sick leave for 3 months from 5th November 1883. Furlough for one year and six months from 24th March 1892.
1	250 0 0	. . . . .	No. 14 (Nimar).	
2	250 0 0	(b) Half scale, local, R15.	No. 17 (Bombay Forests).	
3	250 0 0	(b) Ditto, R15	No. 17 (Bombay Forests).	
4	250 0 0	(k) Settlement R50	Nos. 4 and 5 (Bihar)	Sick leave from 6th to 22nd February 1879.
5	250 0 0	. . . . .	No. 14 (Nimar)	Joined as a Sub-Surveyor on 3rd July 1873.
6	250 0 0	(h) Settlement R50	Nos. 2 & 8 (Bengal).	
7	250 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 22nd October 1875.
8	250 0 0	{ (c) Baluchistan, R80. (a) Charge, R50 (d) Upper Burma, R80.	In charge, Aden Detachment.	Apprentice from 1st March 1874.
9	250 0 0	. . . . .	No. 21 (Upper Burma).	
10	250 0 0	. . . . .	Nos. 4 and 5 (Bihar).	Sick leave from 8th April to 14th September 1883.
11	240 0 0	(c) Burma, R50	No. 20 (Burma)	Exclusive of medical leave for 3 months from 10th October 1877; for 6 months from 1st May 1879; for 4 months and 25 days from 30th August 1881; and for 11 months and 30 days from 16th August 1882. Furlough for 1 year from 28th May 1892.
12	240 0 0	(d) Upper Burma, R80.	No. 12 (Magwe)	Exclusive of previous service as Sub-Surveyor.
13	240 0 0	(b) Presidency house-rent R20.	Head-Quarters, Calcutta	Exclusive of 2 months and 1 day's suspension from 28th May to 1st July 1886, and sick leave from 2nd to 28th July 1890.
14	240 0 0	. . . . .	No. 9 (Central Provinces)	Previous service as Sub-Surveyor from 16th August 1874.
15	240 0 0	. . . . .	No. 18 (Himalaya)	Exclusive of medical leave from 8th May to 6th October 1889.
...	325 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	Previous continuous service in Board of Revenue from 4th March 1878, and joined as apprentice from 31st July 1878. Medical leave from 7th March to 18th November 1888.

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

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

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

(d) Department of Finance and Commerce No. 758, dated 11th February 1889.

(h) Secretary of State's despatch No. 75 (Revenue), dated 16th August 1890.

Classified List of Officers of the Junior Division, Survey of

No. sanctioned	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st July 1894.
JUNIOR DIVISION								
—contd.								
Sub-Assistant Superintendents—contd.								
1st GRADE—concl'd.								
Salary R200 rising to R250—concl'd.								
16		O. D. Smart . . . . .	†	. . . . .	16 9 57	Oct. 1, 1881	Mar. 1, 1891	12 9 0
17		A. Ewing . . . . .	†	. . . . .	1 1 62	Nov. 16, 1881	Apl. 1, 1891	12 6 0
18		M. Gastaud . . . . .	†	. . . . .	8 3 62	May 1, 1882	Apl. 25, 1891	12 4 0
...		P. Beechey	†	LS. & HS. Burmese.	18 7 61	Dec. 1, 1882	May 13, 1891	11 7 0
19		E. F. Berkeley	†	LS.	21 10 64	Sep. 1, 1883	Jan. 5, 1892	9 8 10
20		J. P. Barker . . . . .	†	. . . . .	21 8 65	Dec. 23, 1883	Nov. 1, 1893	8 10 10
21		N. Bedford . . . . .	†	. . . . .	16 7 61	Jan. 10, 1884	Nov. 15, 1893	10 5 22
22		T. J. J. Mills . . . . .	†	. . . . .	31 12 63	Mar. 14, 1884	Nov. 25, 1893	10 3 18
2ND GRADE.								
Salary R150 rising to R200.								
1		B. R. Hughes	†	LS. & LS. Burmese.	13 6 66	Oct. 15, 1883	May 23, 1893	8 0 18
2		P. J. Serrao	†	LS. Burmese.	3 7 61	Apl. 24, 1884	May 23, 1893	10 2 7
3		W. E. Johnson	†	ES. Burmese.	14 9 61	Aug. 18, 1884	May 23, 1893	9 10 14
4		T. W. Babonau (Jr.)	†	LS. & ES. Burmese.	10 7 66	Jan. 15, 1884	May 23, 1893	6 10 18
5		W. Skilling	†	LS.	26 4 67	Nov. 24, 1884	May 23, 1893	7 2 6
6		A. B. Smart . . . . .	†	. . . . .	27 9 65	Feb. 25, 1885	May 23, 1893	8 9 4
7		J. Smith . . . . .	†	. . . . .	14 9 63	Aug. 1, 1884	Aug. 29, 1888	9 9 14
8		C. G. Lee . . . . .	†	. . . . .	23 8 66	Mar. 1, 1886	May 13, 1889	7 10 8
9		F. S. Bell . . . . .	†	. . . . .	28 9 64	Sep. 24, 1886	May 16, 1889	7 9 7
10		F. E. Warde . . . . .	†	. . . . .	7 9 51	Nov. 13, 1884A	Oct. 1, 1889	8 10 12
11		F. P. Walsh . . . . .	†	. . . . .	20 11 66	Mar. 4, 1886	Feb. 1, 1890	7 7 10
12		F. B. Powell	†	ES. LS. Burmese.	11 8 64	Sep. 23, 1886	May 5, 1890	7 9 8
13		Yusaf Sharif, Khan Bahadur . . . . .	†	. . . . .	18 12 46	Dec. 1, 1886	Nov. 10, 1890	27 0 15
14		H. A. Charrier	†	LS.	22 10 64	Apl. 21, 1884	Mar. 1, 1891	9 4 28
15		Rai Hira Singh, Bahadur	†	ES. Burmese.	1 9 51	Mar. 12, 1887	Apl. 1, 1891	22 7 0
...		J. A. T. Haddock	†	LS. ES. Burmese.	16 10 63	Nov. 26, 1887	Apl. 25, 1891	6 7 5
16		J. H. Murphy . . . . .	†	. . . . .	26 7 69	Nov. 1, 1887	May 13, 1891	3 11 6
17		W. J. Baker	†	ES. Burmese	18 8 66	Jan. 25, 1888	Jan. 5, 1892	6 5 7
...		C. G. S. Wood	†	LS.	1 7 68	Aug. 2, 1884	Mar. 17, 1892	6 0 0
18		C. S. Gasper . . . . .	†	. . . . .	11 8 68	Mar. 2, 1888	Apl. 1, 1892	5 10 21

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

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

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
16	230 0 0	(d) Upper Burma, R80	No. 3 (Shwebo).	
17	230 0 0	(e) Burma, R50 . . .	No. 20 (Burma).	
18	220 0 0	(c) Burma, R50 . . .	No. 7 (Amherst) . . .	Apprentice Draftsman from 3rd January 1892.
...			On deputation Burma.	
19	220 0 0	. . . . .	Orissa Detachment . . .	Office Assistant from 1st May 1891.
20	210 0 0	. . . . .	Nos. 2 & 8 (Bihar).	
21	210 0 0	. . . . .	Nos. 2 and 8 (Bihar).	
22	220 0 0	(b) Presidency house rent R20.	Head-Quarters, Calcutta.	
1	200 0 0	(j) Personal R10	No. 14 (Nimar).	
2	200 0 0	{ (j) Personal R10 (d) Upper Burma, R80	No. 3 (Shwebo).	
3	200 0 0	{ (j) Personal R10, (d) Upper Burma, R80	No. 12 (Magwe).	
4	200 0 0	{ (j) Personal R10, (b) Presidency house rent R20.	Head-Quarters, Calcutta . . .	Extraordinary leave from 9th April to 21st November 1889. Leave to Europe on private affairs from 30th June to 20th December 1892.
5	200 0 0	{ (j) Personal R10 . . . (b) Presidency house rent, R20.	Garhwal Detachment. Nos. 2 & 8 (Bengal).	
6	200 0 0	{ (j) Personal R10	. . . . .	On furlough for 1 year, from 15th May 1894.
7	. . . . .	. . . . .	. . . . .
8	200 0 0	. . . . .	Nos. 4 & 5 (Bihar).	
9	200 0 0	(d) Upper Burma, R80	No. 12 (Magwe).	
10	160 0 0	(g) Simla, R16 . . .	Drawing Office, Simla . . .	Exceeded joining time by 6 days from 22nd May 1890; on half-pay from 1st to 31st July; without pay 4 days in Sep., 4 days in Oct., and 11 days in Nov. 1890, 10 days in Jan., 6 days in Feb., 8 days in Mar., 5 days in Apl., 14 days in Oct., 4 days in Nov., and 4 days in Dec. 1891; 7 days in Feb., 8 days in Mar., 6 days in April, 8 days in May, 14 days in July, and 7 days in Aug., and sick leave from 5th Sep. to 31st Oct. 1892; without pay for 4 days in July 1893, and under suspension from 1st August to 24th September 1893.
11	192 0 0	(d) Upper Burma, R80.	No. 3 (Shwebo).	
12	192 0 0	(c) Burma, R50 . . .	No. 7 (Amherst).	
13	184 0 0	(c) Baluchistan, R80 . . .	No. 15 (Baluchistan) . . .	Joined as Sub-Surveyor, 16th June 1867.
14	168 0 0	(c) Burma, R50 . . .	No. 20 (Burma)	Leave without pay from 2nd to 13th February 1889. Leave on medical certificate, 3 months, from 24th May 1890.
15	176 0 0	(c) Baluchistan, R80 . . .	No. 15 (Baluchistan) . . .	Joined as Sub-Surveyor, 13th November 1873. Previous service in G. T. O., Printing section, from 1st October 1871. Sick leave from 7th February to 6th April 1889.
...			On deputation, Burma . . .	
16	184 0 0	(c) Burma R50	No. 7 (Amherst)	Medical leave for 1 month, from 18th Apl. 1890.
17	168 0 0	(d) Upper Burma, R80	No. 3 (Shwebo).	Leave without allowances from 12th May 1890 to 11th January 1899.
...			On deputation, Burma. . .	
18	176 0 0	. . . . .	Nos. 2 & 8 (Bihar).	

(b) Financial Resolution No. 704, dated 22nd February 1866.
(c) Financial Resolution No. 6926, dated 25th October 1888.
(d) Department of Finance and Commerce No. 760, dated 11th February 1880.
(g) Revenue and Agricultural Department No. 1339, dated 1st November 1890.
(j) Secretary of State's Despatch No. 37 (Revenue), dated 4th May 1893.

Classified List of Officers of the Junior Division, Survey of

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st July 1894.
								Y. M. D.
JUNIOR DIVISION —concl'd.								
Sub-Asst. Supdts.— concl'd.								
2ND GRADE—concl'd. Salary R160 rising to R200— concl'd.								
19		C. H. G. Johnson . . . . .	†	. . . . .	14 6 69	Nov. 13 1888	May 8, 1892	5 0 17
20		H. G. Shaw . . . . .	†	. . . . .	21 2 62	Jan. 1, 1889	Aug. 14, 1893	11 6 0
21		Sarat Chunder Sen . . . . .	†	. . . . .	Nov. 1865	Aug. 26, 1889	Nov. 1, 1893	4 10 8
22		W. F. E. Adms . . . . .	†	. . . . .	12 6 68	Aug. 26, 1889	Nov. 15, 1893	4 10 6
23		J. H. Nichol	Forest Surv.	. . . . .	9 4 67	Dec. 12, 1889	Nov. 25, 1893	5 6 18
24		G. Rae . . . . .	†	. . . . .	23 11 70	Nov. 19, 1890	Apr. 1, 1894	3 7 8
3RD GRADE. Salary R120 rising to R160.								
1		Imam Sharif, Khan Bahadur . . . . .	†	. . . . .	7 4 49	May 6, 1891	May 23, 1893	22 6 0
2		C. Litchfield	Forest Surv.	. . . . .	24 1 66	Jan. 10, 1892	May 23, 1893	5 7 17
3		H. W. Biggie	†	ES, Burmese	9 12 71	Nov. 21, 1891	. . . . .	2 6 23
4		Aulad Hussein . . . . .	†	. . . . .	0 12 68	Nov. 13, 1891	. . . . .	2 7 18
5		Rahmatulla . . . . .	†	. . . . .	28 9 66	Nov. 13, 1891	. . . . .	7 9 4
6		J. O. Greiff	†	I.S.	2 7 72	Nov. 13, 1891	. . . . .	2 0 0
7		Nilmoni Chatterjee . . . . .	†	. . . . .	17 11 70	Nov. 23, 1891	. . . . .	2 5 7
8		H. B. Powell	†	ES, and I.S. Burmese.	2 6 70	Nov. 22, 1891	. . . . .	2 7 9
9		J. A. Freeman . . . . .	†	. . . . .	24 7 70	Nov. 23, 1891	. . . . .	2 7 8
10		O. C. Ollenbach . . . . .	†	. . . . .	3 4 67	Nov. 23, 1891	. . . . .	2 7 9
11		M. F. Berkeley . . . . .	†	. . . . .	2 9 67	Nov. 17, 1891	. . . . .	2 6 28
12		H. H. B. Hanby . . . . .	†	. . . . .	21 6 72	Nov. 25, 1891	. . . . .	2 0 10
13		P. K. Vaughan . . . . .	†	. . . . .	14 2 70	Nov. 23, 1891	. . . . .	2 7 8
14		W. Newland . . . . .	†	. . . . .	28 4 76	Sept. 11, 1893	. . . . .	0 9 12
15		W. M. Gorman . . . . .	†	. . . . .	28 7 73	Sept. 19, 1893	. . . . .	0 9 15
16		P. Williams . . . . .	†	. . . . .	18 3 71	Sept. 16, 1893	. . . . .	0 9 13
17		Amar Singh . . . . .	†	. . . . .	1 1 63	Sept. 18, 1893	. . . . .	0 9 27
18		J. H. S. Wilson . . . . .	†	. . . . .	10 1 71	Sept. 4, 1893	. . . . .	. . . . .
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.

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

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
19	168 0 0	. . . . .	No. 9 (Central Provinces).	
20	168 0 0	(d) Upper Burma, R80.	No. 11 (Upper Burma) . . .	Includes previous service in the Meteorological Department from 1st January 1893.
21	168 0 0	(b) Presidency house-rent, R20.	Calcutta Detachment.	
22	168 0 0	(d) Upper Burma, R80.	No. 21 (Upper Burma).	
23	160 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 16th December 1888.
24	168 0 0	. . . . .	No. 9 (Central Provinces).	
1	160 0 0	{ (c) Baluchistan, R80 } { (j) Personal R8 }	No. 15 (Baluchistan) . . .	Joined as Sub-Surveyor, 1st September 1871.
2	160 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 14th November 1888.
3	136 0 0	(d) Upper Burma, R80.	No. 12 (Magwe).	
4	136 0 0	. . . . .	No. 22 (Astro.).	
5	136 0 0	. . . . .	No. 14 (Nimar)	Joined as Computer, 19th August 1886.
6	136 0 0	. . . . .	No. 14 (Nimar).	
7	136 0 0	. . . . .	Orissa detachment	Extraordinary leave from 1st June to 2nd August 1892.
8	136 0 0	(d) Upper Burma, R80 .	No. 3 (Shwebo).	
9	136 0 0	. . . . .	No. 10 (Bombay).	
10	136 0 0	(d) Upper Burma, R80 .	No. 3 (Shwebo).	
11	136 0 0	(c) Burma, R 50	No. 7 (Amherst)	Medical leave from 24th September to 9th October 1893.
12	136 0 0	. . . . .	Nos. 4 & 5 (Bihar).	
13	128 0 0	. . . . .	Nos. 2 & 8 (Bengal).	
14	120 0 0	(d) Upper Burma, R80	No. 3 (Shwebo)	On probation.
15	120 0 0	. . . . .	No. 18 (Himalaya)	Ditto.
16	120 0 0	(c) Baluchistan, R80 .	No. 15 Baluchistan	Ditto.
17	120 0 0	(c) Burma, R50	No. 7 (Amherst)	Ditto. Excludes previous service in the Meteorological Department.
18	120 0 0	. . . . .	No. 19 (Madras)	Ditto.
19	. . . . .	. . . . .	. . . . .
20	. . . . .	. . . . .	. . . . .
21	. . . . .	. . . . .	. . . . .
22	. . . . .	. . . . .	. . . . .
23	. . . . .	. . . . .	. . . . .
24	. . . . .	. . . . .	. . . . .
25	. . . . .	. . . . .	. . . . .
26	. . . . .	. . . . .	. . . . .

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

(c) Financial Resolution No. 526, dated 26th October 1888.

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

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

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

NAME OF OFFICES AND SECTIONS.	Nature of Work.	Officer in charge.
Head-Quarters, Calcutta.		
<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 . . . . .		D. S. G., Rev.
Director of Bengal Surveys'	Ditto	D. B. S.
<i>Technical.</i>		
Drawing	Mapping and Compiling	} A. S. G., D. O.
Engraving	Map engraving by hand	
Lithographic	Mapping, Litho. and Type Printing	} A. S. G., Photo-Litho.
Photozincographic	Reproduction of maps	
Mathematical Instrument	Manufactures and repairs of Instruments	A. S. G., M. I. O.
Map Record and Issue	Receipts and Issues of maps	Dy. Supdt.
Trigonometrical Branch, Dehra Dun.		
<i>Administrative.</i>		
Superintendent's	Accounts, Correspondence	Supdt., Trig. Surveys.
<i>Technical.</i>		
Computing	Reduction of Geodetic operations	Dy. Supdt.
Drawing	Mapping	Ditto.
Meteorological . . . . .	. . . . .	Ditto.
Photozincographic	Reproduction of maps	Ditto.
Printing	Type Printing	Ditto.
Solar Photographic	Solar Photography	Ditto.
Simla.		
<i>Technical.</i>		
Drawing Office	Mapping and Compiling	Supdt

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

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

Disposition List of Officers of the Survey of India Department attached to the Head-Quarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra, and the Office at Simla, 1st July 1894.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Surveyor-General of India . . .	Colonel H. R. Thuillier, C.I.E., R.E.	. . . .	. . . .	. . .	. . .	Feb. 19, 87	Direction of all Offices and Superintendence of—
Deputy Surveyor-General, in charge Topographical Branch.	Ditto . . .	. . . .	. . . .	. . .	. . .	Ditto .	No. 11 Party (Upper Burma). No. 15 Party (Baluchistan). No. 17 Party (Bombay Foreste). No. 19 Party (Madras). No. 21 Party (Upper Burma). No. 25 Party (Tidal and Levelling). Simla Drawing Office. Aden Detachment.
(Calcutta.)							
Deputy Surveyor-General, in charge Revenue Branch.	Lieutenant-Colonel C. Strahan, R.E.	. . . .	. . . .	. . .	. . .	Apl. 2, 91	Superintendence of— No. 3 Party (Shwebo). No. 6 Party (Assam). No. 7 Party (Amherst). No. 9 Party (C. P.) No. 10 Party (Bombay). No. 12 Party (Magwe). No. 20 Party (Burma). Calcutta Detachment. Garhwal Detachment. Indus River Detachment.
(Calcutta.)							
Director of Bengal Surveys.	Lieutenant-Colonel J. E. Sandeman, I.S.O.	. . . .	. . . .	. . .	. . .	Apl. 1, 92	Nos. 2 & 8 Party (Bihar) and (Bengal). Nos. 4 & 5 Party (Bihar). Orissa Detachment.
(Calcutta.)							

Disposition List of Officers of the Survey of India Department attached to the Headquarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra, and the Office at Simla, 1st July 1894—continued.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Superintendent, Trigonometrical Surveys.	Major St. G. C. Gore, B.E.	. . .	. . . . .	D. Sup.	1st	May 1, 94	Superintendence of Offices at Dehra and of— No. 14 Party (Nimar). No. 18 Party (Himalaya). No. 22 Party (Astro. I). No. 23 Party (Astro. II). No. 24 Party (Upper Burma).
		J. Eccles, M.A.	. . . . .	D. Sup.	2nd	Apr. 2, 91	In charge Computing.
			H. W. Psychers .	E. A. Sup.	2nd	Sep. 1, 71	Computing.
			A. D. L. Christie .	E. A. Sup.	3rd	May 2, 92	Ditto.
			C. H. McA'Fee .	E. A. Sup.	4th	Feb. 1, 85	Drawing Section.
(Dehra).							
Assistant Surveyor-General, Drawing and Engraving Offices.	Col. W. H. Wilkins, I.S.C.	. . .	. . . . .	Sup.	1st	Oct. 10, 90	
		B. G. Gilbert-Cooper.	. . . . .	A. Sup.	1st	June 30, 94	
			A. G. Wyatt .	E. A. Sup.	2nd	Nov. 5, 90	
			L. J. Pocock .	E. A. Sup.	3rd	July 30, 92	
			J. A. Barker .	E. A. Sup.	5th	June 5, 93	
			G. D. Cusson .	E. A. Sup.	5th	Nov. 1, 93	
			W. C. G. Barckley.	E. A. Sup.	6th	Oct. 19, 93	
			W. H. D. Ewing .	S. A. S.	1st	Nov. 27, 93	
			J. A. Higgs .	S. A. S.	1st	Nov. 1, 93	
			T. J. J. Mills .	S. A. S.	1st	Dec. 1, 93	
	T. W. Babonau, Jr.	S. A. S.	2nd	Nov. 21, 93			
(Calcutta.)							

Disposition List of Officers of the Survey of India Department attached to the Headquarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra, and the Office at Simla, 1st July 1894—concluded.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Assistant Surveyor-General, Surveyor-General's Office, and Mathematical Instrument Office. (Calcutta.)	Lt.-Col. M. W. Rogers, B.E.	. . .	. . . . .	Sup.	2nd	May 7, 89	.
Assistant Surveyor-General, Photographic and Lithographic Offices. (Calcutta.)	Col. J. Waterhouse, I.S.C.	. . .	. . . . .	Sup.	2nd	Dec. 1, 68	.
Charge of Map, Record and Issue Office. (Calcutta.)	T. Archdale Pope	. . .	. . . . .	D. Sup.	2nd	Apl. 1, 94	.
Charge of Drawing Office. (Simla.)	G. W. E. Atkinson.	. . .	. . . . . T. H. Rendell . . W. J. Cornelius . F. E. Warde . .	A. Sup. E. A. Sup. E. A. Sup. S. A. S	2nd 4th 5th 2nd	Nov. 8, 92 Jan. 24, 94 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 1894.

NAMES.	Date of birth.	Designation.	Pay of Post. <i>R a. p.</i>	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
HEAD-QUARTERS OFFICES, CALCUTTA.						
Correspondence Office.						
T. W. Babonau . . .	24 2 44	Registrar .	400-40-600	Aug. 9, 1861	Sep. 1, 1893	Present pay R580.
T. A. Milne . . .	5 8 55	Head Assistant	250-10-300	June 20, 1872	Dec. 1, 1892	
F. A. D'Rozario . . .	3 7 49	Head Clerk .	200-20-300	Oct. 14, 1874	Feb. 1, 1894 ^(a)	Ditto R250. (a) Date of reduction.
C. O. Gray . . .	17 2 61	Ditto . . .	250 0 0	Feb. 5, 1879	July 1, 1894	
H. R. Vallis . . .	16 2 50	Ditto . . .	225 0 0	Mar. 5, 1869	Feb. 1, 1892	
G. C. Walker, B.A. . .	23 12 65	Ditto . . .	200 0 0	Dec. 21, 1892	Jan. 1, 1894	Short-drawn R40.
J. A. Vallis . . .	11 8 48	Clerk . . .	175 0 0	Apl. 1, 1871	Dec. 1, 1889	Furlough for six months from 23rd February 1893.
T. E. Ware . . .	30 5 46	Do. . . .	150 0 0	Sep. 1, 1871	Mar. 1, 1886	On Medical leave for 6 months from 18th May 1894.
Kali Pudo Banerjee . .	27 10 39	Do. . . .	125 0 0	Jan. 1, 1859	Sep. 1, 1885	
Bance Madhub Banerjee	Apl. 1844	Do. . . .	125 0 0	Mar. 20, 1868	Aug. 1, 1886	
Doorga Narain Ghose, B.A.	30 11 46	Do. . . .	100 0 0	Apl. 5, 1869	Mar. 1, 1886	
Ram Kristo Chunder . .	30 9 39	Do. . . .	100 0 0	May 14, 1857	May 25, 1888	
Chuni Lal Dey . . .	10 5 56	Do. . . .	100 0 0	May 17, 1878	Sep. 1, 1892	
Drawing Office.						
L. J. Pocock . . .	26 9 43	Chief Draftsman	600 0 0	July 10, 1863	Apl. 1, 1894	
Vacant . . . . .	. . .	Head ditto	450 0 0	. . . . .	. . . . .
J. A. Higgs . . .	18 4 59	Draftsman .	325 0 0	Mar. 4, 1878	Nov. 1, 1893	
EUROPEAN DRAFTSMEN.						
W. Green . . .	10 9 39	Draftsman .	300 0 0	Jan. 1, 1862	Jan. 1, 1890	
A. J. Musgrove . . .	18 2 58	Ditto . . .	250 0 0	Apl. 22, 1877	Dec. 1, 1892	
J. R. Adels . . .	16 3 47	Ditto . . .	200 0 0	Mar. 23, 1866	Sep. 1, 1874	

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

NAMEs.	Date of birth.	Designation.	Pay of Post, R a. p.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
HEAD-QUARTERS OFFICES, CALCUTTA —contd.						
Drawing Office —contd.						
EUROPEAN DRAFTSMEN— contd.						
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	June 1, 1880	Jan. 1, 1890	
A. S. Bateman . . .	5 11 57	Ditto .	100 0 0	Dec. 6, 1882	May 1, 1892	
NATIVE DRAFTSMEN.						
Mohesh Chunder Shaw .	6 12 36	Ditto .	125 0 0	Dec. 1, 1856	June 15, 1889	Extension of service up to 5th Decem-ber 1894. Inclusive of R5, per-sonal allowance.
Muttyulla . . .	17 8 42	Ditto .	100 0 0	Dec. 29, 1862	July 1, 1890	
Purna Chunder Sen .	15 1 54	Ditto .	100 0 0	July 10, 1877	Mar. 9, 1893	
Additional Estab- lishment, Draw- ing Office.						
G. D. Casson . . .	23 9 46	Draftsman .	400 0 0	May 8, 1868	Nov. 1, 1893	
Vacant . . .	. . .	Ditto .	300 0 0	. . . . .	. . . . .
Engraving Office.						
J. Fulford . . .	6 7 43	Head Engraver	800 0 0	Oct. 10, 1872	Apr. 23, 1891	
W. Donaldson . . .	8 11 40	2nd ditto .	700 0 0	Nov. 6, 1868	Jan 1, 1884	
S. M. Coard . . .	21 8 58	3rd ditto .	500 0 0	Feb. 1, 1875	Apr. 23, 1891	Short-drawn R50.
T. B. Rodger . . .	7 9 51	4th ditto .	450 0 0	Aug. 20, 1872	Oct. 7, 1890	
A. W. N. James . . .	21 1 60	5th ditto .	400 0 0	Mar. 15, 1878	Apr. 23, 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. Medical leave from 9th November to 16th Dec. 1893. Short-drawn 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.
A. T. Vieux . . .	20 5 71	11th ditto .	100 0 0	Aug. 11, 1884	Mar. 5, 1894	
W. T. Collins . . .	31 10 58	Copper-plate Printer.	150 0 0	Jan. 6, 1880	May 1, 1884	
Abdul Wahid . . .	5 1 48	1st Native En- graver.	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 R100 and above, as it stood on 1st July 1894—continued.

NAMEs.	Date of birth.	Designation.	Pay of Post.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
			R a. p.			
HEAD-QUARTERS OFFICES, CALCUTTA						
<i>—contd.</i>						
Photographic and Lithographic Office.						
NORMAL ESTABLISHMENT.						
<i>Lithographic Drawing Section.</i>						
H. L. Lepage . . .	16 5 43	Head Assistant	400-30-550	July 15, 1871	Sept. 1, 1893	Present pay R490.
E. Dowling . . .	18 3 68	Head Draftsman.	100-10-200	Aug. 1, 1884	Apl. 1, 1894	Ditto R110.
Ambica Churn Mookerjee	1 1 54	Draftsman .	120 0 0	July 10, 1878	Apl. 1, 1894	Short-drawn R10.
Sobhan Bux . . .	Mar. 1836	Examiner .	100 0 0	Aug. 5, 1854	May 1, 1888	Ditto R10. Extension of service up to 30th March 1895.
<i>Lithographic and Zinco-graphic Printing Section.</i>						
B. Mackenzie . . .	23 2 41	Head Printer .	350 0 0	Nov. 24, 1867	Mar. 8, 1893	
D. Deas . . .	9 9 55	Chromo-Litho. Printer.	225-15-330	Nov. 29, 1883	Apl. 1, 1894	Present pay R315.
S. U. Ravenscroft . . .	21 2 69	Asst. ditto .	75-10-125	Aug. 1, 1884	Mar. 8, 1893	Furlough for one year, from 17th April 1894. Present Pay R85. Ditto R95.
P. Michael . . .	31 8 70	Machine Printer.	75-10-125	Sep. 1, 1884	Apl. 1, 1894	
J. B. Mackenzie . . .	16 4 65	Asst. Zinco-grapher.	75-10-125	Oct. 1, 1880	Mar. 8, 1893	Ditto R105.
<i>Type Printing Section.</i>						
E. D'Pyvah . . .	15 3 50	Head Printer .	150 0 0	Dec. 1, 1892	Apl. 1, 1894	
<i>Photographic, Negative and Printing Section.</i>						
J. Harrold . . .	24 5 35	Photographer .	145-15-330	Mar. 19, 1873	Mar. 8, 1890	Extension of service up to 23rd May 1895.
C. J. Meade . . .	28 4 68	Asst. ditto .	75-15-150	Aug. 1, 1884	Apl. 1, 1894	Present pay R105.
C. Andrews . . .	27 3 66	Ditto .	50-10-100	Nov. 1, 1892	Ditto	Ditto R60.
<i>Heliogravure Section.</i>						
A. W. Turner . . .	19 10 53	Photo. Engraver.	300-20-400	May 1, 1885	May 1, 1890	
J. T. Meade . . .	29 12 69	Asst. ditto .	100-10 200	Aug. 1, 1884	Apl. 1, 1893	Ditto R110.
<i>Correspondence, Stores and Account Section.</i>						
W. Moore . . .	4 11 58	Store-keeper .	100-20 200	Sep. 15, 1883	Feb. 1, 1890	
Kanny Lal Sen . . .	27 5 52	Head Clerk and Acctt.	100 0 0	May 26, 1873	Mar. 8, 1893	

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

NAMES.	Date of birth.	Designation.	Pay of post.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
			R a. p.			
HEAD-QUARTERS OFFICES, CALCUTTA						
<i>—concl'd.</i>						
Photographic and Lithographic Office.						
<i>—concl'd.</i>						
CADASTRAL ESTABLISHMENT.						
<i>Photographic Section.</i>						
H. Haward	10 2 50	Head Photo. Asst.	400-20-500	Nov. 16, 1883	Nov. 16, 1892	On Furlough for 1 year, from 25th February 1894.
R. George	5 5 46	Photographer .	145-15-330	Feb. 1, 1876	Mar. 8, 1893	
L. Lagnier	1 7 50	Ditto .	150-10-200	Feb. 1, 1876	Mar. 8, 1893	
T. Lloyd	7 11 54	Ditto .	150-10-200	July 16, 1873	Apl. 1, 1894	Present pay R160.
<i>Zinc Printing Section.</i>						
E. A. LeFranc . . .	12 12 56	Zincographer .	145 to 330	Nov. 15, 1876	Jan. 1, 1890	Inclusive of house rent.
F. R. Vandyke . . .	28 9 65	Ditto .	145 to 330	Aug. 1, 1889	Aug. 1, 1891	Inclusive of house rent. Present pay R170.
G. A. LeFranc . . .	27 4 67	Asst. ditto .	75-10-125	Apl. 1, 1884	Apl. 1, 1894	Ditto R95.
Mathematical Instrument Office.						
WORKSHOP SECTION.						
T. Bolton, F.R.A.S., London.	11 1 45	Mathematical Instrument-maker.	600-30-750	Sep. 16, 1867	Nov. 11, 1879	
T. R. Theakston . . .	26 12 68	Assistant Mathematical Instrument-maker.	350-30-500	Oct. 10, 1892	Nov. 1, 1893	Present pay R350.
CORRESPONDENCE SECTION.						
W. Campagne	21 9 58	Head Clerk .	150-10-200	Apl. 1, 1882	Jan. 1, 1894	Furlough to England for 12 months, from 12th April 1892. Present pay R180.
W R. Tulloch	1 10 69	2nd ditto .	75-5-100	Apl. 1, 1888	Jan. 1, 1894	Ditto R75.
STORE SECTION.						
M. C. Bellefey . . .	15 4 53	Store-keeper .	150 0 0	Apl. 15, 1878	Jan. 1, 1894	Short-drawn R10.

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

NAMES.	Date of birth.	Designation.	Pay of Post.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
TRIGONOMETRICAL BRANCH OFFICE, DEHRA DUN.						
<i>Computing Section.</i>						
Amba Prasad . . .	3 7 45	Computer .	130 0 0	July 26, 1865	Sep. 1, 1892	
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	
Umbica Churn Shome .	1 7 43	Ditto .	105 0 0	Feb. 8, 1867(a)	Sep. 1, 1888	(a) Date of appointment to Educational Department. Joined Computing Office, Survey of India, 10th April 1868.
<i>Photoinco. Section.</i>						
J. S. Manuel . . .	30 4 51	Assistant Zinco-grapher.	150 0 0	July 16, 1889	Mar. 1, 1893	
<i>Printing Section.</i>						
B. V. Hughes . . .	11 4 40	Printer . .	250 0 0	Nov. 1, 1880(b)	July 1, 1886	(b) Date of appointment to Survey of India. Previous Military service excluded.
<i>Correspondence Section.</i>						
J. Burbridge . . .	18 10 59	Head Clerk .	150-20-250	Jan. 16, 1879	Dec. 1, 1892	Present pay ₹210. Sick leave from 15th March to 31st August 1893.
<i>Solar Photographic Section.</i>						
C. F. Guthrie . . .	15 3 61	Asst. Solar Photographer.	150 0 0	Nov. 1, 1880	Mar. 1, 1893	Medical leave for 2 months from 2nd Feb. 1893, extension for 3 months.
DRAWING OFFICE, SIMLA.						
H. Sindon . . .	3 12 48	Draftsman .	115 0 0	Jan. 1, 1865	Oct. 1, 1891	
Jafir Khan . . .	1 3 50	Ditto .	100 0 0	Dec. 1, 1862	Nov. 1, 1893	
F. Rozario . . .	23 3 50	Surveyor .	110 0 0	May 28, 1873	Nov. 1, 1893	

Disposition List of Officers of the Survey of India

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.			
2 & 8	Bihar (Cadastral).	D.B.S.	Lieut. R. T. Crichton, I.S.C.	A. Sup.	1st	Nov. 4, 98			
			Lieut. C. W. H. Symonds, I.S.C.	A. Sup.	2nd	Oct. 1, 98			
			R. B. Smart	E. A. Sup.	4th	Oct. 1, 98			
			G. Campbell	E. A. Sup.	6th	Nov. 1, 98			
			G. T. Hall	E. A. Sup.	6th	Oct. 1, 98			
			G. G. Vander-Beek	E. A. Sup.	6th	Oct. 1, 98			
			A. W. Smart	E. A. Sup.	6th	Oct. 1, 98			
			J. P. Barker	S. A. S.	1st	Oct. 1, 98			
			N. Bedford	S. A. S.	1st	Oct. 1, 98			
			C. S. Gasper	S. A. S.	2nd	Oct. 1, 98			
			Permanent Establishment						
Recess quarters, Mussoorie.			Temporary ditto						
	Bengal (Cadastral).	D.B.S.	Capt. J. M. Fleming, I.S.C.	D. Sup.	2nd	Nov. 24, 92			
			J. McHatton	E. A. Sup.	5th	Jan. 1, 80			
			T. Shaw	E. A. Sup.	6th	Oct. 14, 92			
			P. A. Peters	E. A. Sup.	6th	Jan. 16, 94			
			L. F. Berkeley	S. A. S.	1st	Apr. 1, 98			
			A. B. Smart	S. A. S.	2nd	Oct. 14, 92			
			P. K. Vaughan	S. A. S.	3rd	Oct. 1, 98			
						Permanent Establishment			
			Recess quarters, Calcutta.			Temporary ditto			
			3	Bhowto (Cadastral).	D.S.G Rev.	G. B. Scott	D. Sup.	2nd	Dec. 31, 91
J. Counor	E. A. Sup.	4th				Feb. 1, 90			
C. W. Wilson	E. A. Sup.	6th				Dec. 1, 93			
O. D. Smart	S. A. S.	1st				Feb. 20, 88			
P. J. Serrao	S. A. S.	2nd				Nov. 1, 90			
F. P. Walsh	S. A. S.	2nd				Oct. 11, 89			
W. J. Baker	S. A. S.	2nd				Jan. 25, 88			
H. B. Powell	S. A. S.	3rd				Nov. 22, 91			
O. C. Ollenbach	S. A. S.	3rd				Oct. 1, 92			
W. Newland	S. A. S.	3rd				Sep. 11, 93			
			Permanent Establishment						
Recess quarters, Mandalay			Temporary ditto						

Department attached to Field Parties, 1st July 1894.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkunduzes and Peons.		
						Offg. Deputy Superintendent, 2nd grade.
						Offg. Asst. Superintendent, 1st grade.
22	9	39	1	24	} 2,61,200	
600	52	343				
3	8	8	1	5	} 1,15,980	
241	36	520		8		
						Offg. Deputy Superintendent, 1st grade.
17	19	269	2	7	} 2,71,740	
200	69	596		19		

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
4 & 5	Bihar (Cadastral.)	D. B. S.	Capt. G. B. Hodgson, I.S.O.	D. Sup.	1st	Nov. 17, 90
			J. S. Pemberton	A. Sup.	2nd	Oct. 1, 92
			H. T. Hanby	E. A. Sup.	3rd	May 1, 70
			W. J. O'Sullivan	E. A. Sup.	3rd	May 18, 94
			C. S. Kraal	S. A. S.	1st	Oct. 1, 93
			P. C. H. Smart	S. A. S.	1st	Nov. 1, 91
			C. G. Lee	S. A. S.	2nd	Oct. 1, 93
H. H. B. Hanby	S. A. S.	3rd	Oct. 1, 92			
Recess quarters, Mussoorie			Permanent Establishment			
			Temporary	ditto		
6	Assam (Cadastral.)	D. S. G. Rev.	E. C. Barrett	Supdt.	2nd	Nov. 6, 93
			W. H. Penrose	E. A. Sup.	6th	June 5, 93
Recess quarters, Shillong			Permanent Establishment			
			Temporary	ditto		
7	Amherst (Cadastral.)	D. S. G. Rev.	C. Wood	A. Sup.	1st	Dec. 1, 90
			W. C. Price	E. A. Sup.	3rd	Dec. 1, 92
			G. W. Jarbo	E. A. Sup.	5th	Nov. 1, 80
			C. W. F. Seyers	E. A. Sup.	6th	Apl. 17, 94
			J. Murphy	E. A. Sup.	6th	Nov. 1, 91
			M. Gastaud	S. A. S.	1st	Oct. 1, 91
			F. B. Powell	S. A. S.	2nd	Apl. 1, 90
			J. H. Murphy	S. A. S.	2nd	Apl. 23, 94
			M. F. Berkeley	S. A. S.	3rd	Nov. 1, 93
			Amar Singh	S. A. S.	3rd	Nov. 1, 93
Recess quarters, Rangoon			Permanent Establishment			
			Temporary	ditto		

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

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
•••	•••	•••	•••	•••	•••	Offg. Assistant Superintendent, 1st grade.
•••	•••	•••	•••	•••	•••	
31	10	69	1	17	} 1,98,900	
566	129	633	•••	4		
10	8	117	1	6	} 77,650	
80	40	163	•••	•••		
17	9	133	1	18	} 2,20,510	
90	82	820	•••	•••		

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
9	Central Provinces (Traverse.)	D. S. G. Rev.	E. J. Jackson	D. Sup.	1st	Nov. 17, 90
			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.	2nd	Nov. 19, 90
Recess quarters, Kamptee			Permanent Establishment Temporary ditto			
10	Bombay (Topo.)	D. S. G. Rev.	Lt. H. A. D. Fraser, R.E.	A. Sup.	2nd	Oct. 29, 91
			A. J. Gibson	E. A. Sup.	2nd	Nov. 26, 93
			W. Stotesbury	E. A. Sup.	4th	Nov. 1, 90
			R. R. Dickinson	E. A. Sup.	6th	May 1, 86
			G. A. Knight	E. A. Sup.	6th	Nov. 1, 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., R.E.	D. Sup.	2nd	June 23, 92
			Lt. C. H. D. Ryder, R.E.	A. Sup.	2nd	Oct. 1, 93
			P. J. W. Doran	E. A. Sup.	5th	May 12, 90
			W. M. Kelly	E. A. Sup.	6th	Oct. 1, 92
			H. G. Shaw	S. A. S.	2nd	Oct. 1, 92
Recess quarters, Bangalore						
12	Magwe (Cadastral.)	D. S. G. Rev.	H. R. Littlewood	A. Sup.	1st	Apr. 17, 94
			W. S. Buttress	E. A. Sup.	2nd	Oct. 1, 89
			E. G. Little	E. A. Sup.	3rd	Feb. 1, 90
			J. S. Swiney	E. A. Sup.	5th	Nov. 1, 91
			A. George	S. A. S.	1st	Oct. 1, 92
			W. E. Johnson	S. A. S.	2nd	Nov. 1, 90
			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 1894—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Superintendent, 2nd grade.
14 28	15 15	29 245	2	1	79,640	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Assistant Superintendent, 1st grade.
36	1	265	. . . .	6	87,510	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Assistant Superintendent, 1st grade.
11	1	149	1	8	98,010	
10 165	11 36	241 561	2	18 2	2,54,300	

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	Nimur (Topo. Forests.) Recess quarters, Mussoorie	Supdt. Trig. Surveys.	Capt. W. J. Bythell, B.E.	D. Sup.	2nd	May 14, 94
			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. B. Hughes	S. A. S.	2nd	Oct. 1, 91
			Bahmatulla	S. A. S.	3rd	Oct. 1, 92
			J. O. Greiff	S. A. S.	3rd	Nov. 13, 91
15	Baluchistan (Topo.) Recess quarters, Quetta	D. S. G. Topo.	Bt.-Col. T. H. Holdich, C.B., C.I.E., B.E.	Supdt.	1st	Oct. 16, 91
			Capt. R. J. H. L. Mackenzie, B.E.	D. Sup.	2nd	Oct. 1, 88
			Lt. P. J. F. Macaulay, B.E.	A. Sup.	2nd	Mar. 17, 94
			Lt. C. L. Robertson, B.E.	A. Sup.	2nd	May 3, 94
			T. E. M. Claudius	E. A. Sup.	4th	Oct. 1, 83
			E. A. Wainright	E. A. Sup.	5th	Oct. 1, 89
			Yusuf Sharif, Khan Bahadur	S. A. S.	2nd	Apl. 1, 89
			Raj Hira Sing, Bahadur	S. A. S.	2nd	Feb. 15, 88
			Imam Sharif, Khan Bahadur	S. A. S.	3rd	May 5, 93
P. Williams	S. A. S.	3rd	Mar. 1, 94			
17	Bombay (Topo. Forests.) Recess quarters, Poona	D. S. G. Topo.	Major J. R. Hobday, I.S.O.	D. Sup.	1st	May 11, 84
			C. E. Tapsell	E. A. Sup.	5th	Nov. 13, 93
			S. F. Norman	S. A. S.	1st	Sep. 1, 74
			C. Norman	S. A. S.	1st	Oct. 12, 74

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

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
44	6	110	1	16	96,080	
14	1	118	1	7	1,36,200	
32	1	180	...	8	77,750	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
18	Himalayn (Topo.)	Supdt. Trig. Surveys.	Major R. A. Wahab, R.E.	D. Sup.	1st	Apl. 14, 94
			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
			R. Waller—Senior.	S. A. S.	1st	Oct. 1, 89
			W. M. Gorman	S. A. S.	3rd	Sep. 19, 93
Recess quarters, Simla						
19	Madras (Topo. Forests.)	D. S. G. Topo.	Capt. H. M. Jackson, R.E.	D. Sup.	1st	Mar. 13, 94
			C. F. Hamer	E. A. Sup.	4th	Nov. 1, 87
			Hugh Todd	E. A. Sup.	4th	Oct. 1, 76
			R. Todd	E. A. Sup.	6th	Oct. 1, 84
			J. H. S. Wilson	S. A. S.	3rd	Nov. 1, 93
			Recess quarters, Bangalore.			
20	Burma (Topo. Forests.)	D. S. G. Rev.	G. H. Cooke	D. Sup.	1st	Nov. 1, 93
			W. A. Wilson	E. A. Sup.	1st	Nov. 15, 90
			P. White	E. A. Sup.	6th	Nov. 1, 93
			R. F. Warwick	S. A. S.	1st	Apr. 3, 93
			A. Ewing	S. A. S.	1st	Nov. 1, 89
			H. A. Charrier	S. A. S.	2nd	Nov. 1, 89
Recess quarters, Bangalore						
21	Upper Burma (Topo.)	D. S. G. Topo.	Capt. F. B. Longe, R.E.	D. Sup.	1st	Feb. 3, 93
			Capt. P. J. Gordon, I.S.O.	A. Sup.	1st	Oct. 30, 93
			A. J. James	E. A. Sup.	4th	Nov. 1, 93
			J. M. Kennedy	S. A. S.	1st	May 16, 91
			W. F. E. Adams	S. A. S.	2nd	Oct. 21, 91
			Recess quarters, Bangalore.			

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

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
25	5	242	1	9	79,270	
30	1	260	1	23	78,670	
...	...	...	...	...	...	Offg. Superintendent, 2nd grade.
32	1	592	2	9	1,27,220	
14	1	106	1	4	91,860	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
22	Rajputana and Punjab (Astronomical.)	Supdt. Trig. Surveys.	Capt. S. G. Burrard, R.E.	D. Sup.	2nd	Nov. 2, 91
			Aulad Hussein	S. A. S.	3rd	Nov. 3, 91
	Recess quarters, Mussoorie					
23	Madras (Astronomical.)	Supdt. Trig. Surveys.	Lt. G. P. Lenox-Conyngham, R.E.	D. Sup.	2nd	Oct. 1, 89
	Recess quarters, Mussoorie					
24	Upper Burma (Triangulation.)	Supdt. Trig. Surveys.	Lt. J. M. Burn, R.E.	D. Sup.	2nd	Oct. 12, 91
			J. Hickie	E. A. Sup.	5th	Oct. 1, 88
			P. F. Prunty	E. A. Sup.	6th	Sep. 15, 93
	Recess quarters, Mussoorie					
25	India (Tidal and Levelling.)	S. G.	Lt.-Col. J. Hill, R.E.	Supdt.	2nd	Nov 18, 90
			Lt. C. C. D. Morice, R.E.	A. Sup.	1st	Nov. 11, 91
			G. P. Belcham	E. A. Sup.	2nd	Sep. 1, 79
			E. J. Connor	E. A. Sup.	4th	Dec. 1, 77
			J. Bond	E. A. Sup.	5th	June 1, 88
	Recess quarters, Poona					

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

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Deputy Superintendent, 1st grade.
.	1	41	1	. . . . .	30,890	
.	2	50	1	. . . . .	29,530	
.	4	184	1	17	91,630	
5	14	82	. . . . .	8	78,110	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
Detacht.	Calcutta City (Cadastral). Recess quarters, Calcutta.	D. S. G. Rev.	Col. W. H. Wilkins, I.S.O. A. J. Wilson Sarat Chunder Sen	Supdt. E. A. Sup. S. A. S.	1st 1st 2nd	Sep. 22, 90 May 8, 92 April 1, 92
						Permanent Establishment. Temporary ditto
Detacht.	Ganthal (Cadastral). Recess quarters, Naiul Tal.	D. S. G. Rev.	T. F. Freeman W. Skilling	E. A. Sup. S. A. S.	5th 2nd	Oct. 1, 76 Oct. 1, 85
						Permanent Establishment. Temporary ditto
Detacht.	Indus River (Topo.) Recess quarters, Karachi	D. S. G. Rev.	H. E. T. Keelan	E. A. Sup.	1st	Oct. 29, 92
						Permanent Establishment. Temporary ditto
Detacht.	Aden (Topo.)	D. S. G. Topo.	G. P. Tate	S. A. S.	1st	Oct. 18, 93
Detacht.	Orissa (Cadastral). Recess quarters, Cuttack	D. B. S.	R. C. D. Ewing E. F. Berkeley Nilmoni Chatterjee	E. A. Sup. S. A. S. S. A. S.	5th 1st 3rd	Sept. 12, 87 Nov. 1, 90 Nov. 23, 91
						Permanent Establishment Temporary ditto

H. W. P. & Co. Ltd.

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

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
	2				8,740	
2	18	21		4		
					35,936	
2	5	15	1	4		
234	192	293				
					25,050	
11	1	29		4		
		55				
					9,100	
2		20				
					1,12,450	
1	5	11	1	3		
202	112	310		5		

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

Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Govt. or Dept. to which transferred.	REMARKS.
<i>On Deputation.</i>					
W. H. Reynolds		D. Sup.	1st	Forest Department.	
E. F. Litchfield		A. Sup.	1st	Ditto.	Offg. Depy. Supdt., 2nd grade.
	J. H. O'Donel	E. A. Sup.	4th	Assam.	
	T. H. Dunne	E. A. Sup.	5th	Central Provinces.	
	J. R. Scott	E. A. Sup.	5th	Ditto.	
	G. C. Swiney	E. A. Sup.	5th	Ditto.	
	C. P. Torrens	E. A. Sup.	6th	Burma.	
	G. E. Parker	E. A. Sup.	6th	Central Provinces.	
	E. P. S. Hill	E. A. Sup.	6th	Ditto.	
	T. S. Marten	E. A. Sup.	6th	Forest Department.	
	J. Marten	S. A. S.	1st	Ditto.	
	P. Beechey	S. A. S.	1st	Burma.	
	J. A. T. Haddock	S. A. S.	2nd	Ditto.	
	C. G. S. Wood	S. A. S.	2nd	Ditto.	
	J. H. Nichol	S. A. S.	2nd	Forest Department.	
	C. Litchfield	S. A. S.	3rd	Ditto.	
<i>On Furlough, etc.</i>					
Lieut.-Col. J. B. McCullagh, B.E.		Sup.	2nd	. . . . .	For 1 year, 3 months and 16 days from 1st October 1893.
Col. J. B. Wilmer, I. S. C.		Sup.	2nd	. . . . .	For 1 year, 9 months and 17 days from 3rd April 1894.
Capt. T. F. B. Renny-Tailyour, B.E.		D. Sup.	2nd	. . . . .	For 1 year from 6th May 1893. Extension for 8 months.
C. F. Erskine		A. Sup.	1st	. . . . .	For 1 year from 20th June 1894.
A. E. Spring		A. Sup.	1st	. . . . .	For 6 months from 20th April 1894.
Lt. A. J. Pilcher, B.E.		A. Sup.	2nd	. . . . .	For 4 months from 16th June 1894.
	S. M. Smylie	E. A. S.	1st	. . . . .	For 1 year, 7 months and 24 days from 1st April 1894.
	J. Smith	E. A. S.	2nd	. . . . .	For 1 year from 16th May 1894.

STATEMENT OF SERVICES
OF
OFFICERS IN THE SURVEY OF INDIA.
Corrected up to 1st July 1894.

Thullier, Colonel Henry Ravenshaw, C.I.E., R.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. 1857	.....	..
...	Dy. Supdt., 2nd grade, ditto	1st Sept. 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	.....	..

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún	Dy. Supdt., 1st grade, Great Trigl. Survey, in charge Dehra Dún and Jaunsar Bhawar Surveys	Oct. 1873	...	...
...	Dy. Snpdt., 2nd grade, ditto	1st Apl. 1874	Dy. Supdt., 1st grade.	1st Apl. 1874.
Mussoorie	Ditto ditto . . . .	...	Supdt., Great Trigl. Survey	4th Apl 1876.
<i>Promoted to Major, 7th October 1876.</i>				
Dehra Dún	Dy. Snpdt., 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>				
Calcutta	Surveyor-General of India	3rd Nov. 1892	.....	...
<i>Extension of office for one year, from 26th March 1893.</i>				
<i>Appointed a C.I.E. in May 1893.</i>				
<i>Further extension of office for one year, from 26th March 1894.</i>				

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>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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	.....	...
<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.
Debra	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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Calcutta	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 Com- pany, 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	Commander, 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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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 Mid- napur 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 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.

Jalpaiguri	Dy. Supdt., 2nd grade, in charge No. 4 Party (Western Dooars)	6th Nov. 1889	.....	...
...	Ditto ditto	...	Dy. Supdt., 1st grade	1st Dec. 1889.

Privilege leave for 3 months, from 6th June 1890.

Calcutta	Dy. Supdt., 2nd grade, attached to Head Quarters office	10th Sept. 1890	Dy. Supdt., 1st grade	...
Ditto	Dy. Supdt., 2nd grade	...	Asst. Surveyor-General	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.
<i>Joined the Royal Military College at Addiscombe in 1860.</i>				
...	Ensign, Bengal Infantry	7th June 1861	.....	...
...	Ditto attached to H. M.'s 90th Light Infantry	Oct. 1861	.....	...
<i>Promoted to Lieutenant, 19th May 1862.</i>				
<i>Leave in India on private affairs for 1 month and 28 days, from 15th December 1862.</i>				
<i>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.</i>				
Nagpore	Asst. Surveyor (on probn.)	6th Oct. 1864	.....	...
Oudh	Asst. Surveyor, 2nd Divn., Oudh Survey	17th Feb. 1866	.....	...
Punjab	Ditto, N.-W. Survey Party	13th Nov. 1866	.....	...
<i>Joined the Bengal Staff Corps, 9th May 1867.</i>				
Punjab	Asst. Supdt., 2nd grade, N.-W. Survey Party	1st Sept. 1869	.....	...
<i>Furlough to Europe for 1 year 11 months and 3 days, from 14th March 1870.</i>				
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, Morad- abad 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, Goal- para 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 Sur- vey	1st Oct. 1875	.....	...
Hazaribagh	Ditto ditto, in charge Dhanwar Estate Survey	1st Dec. 1875	.....	...
Ditto	Ditto ditto	...	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 Cadas- tral Survey	1st Dec. 1878	Dy. Supdt., 3rd grade	...
Ditto	Dy. Supdt., 3rd grade, in charge British Burma Cadas- tral Survey	1st Jan. 1879	.....	...

Promoted to Major, 7th June 1881.

Furlough to Europe for 1 year 2 months and 22 days, from 9th August 1881.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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	.....	...

Promoted to Lieutenant-Colonel, 7th June 1887.

Privilege leave for 3 months, from 11th July 1887, and overstayed it by 3 days, from 11th October 1887.

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	.....	...

Privilege leave for 3 months, from 30th June 1891.

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	.....	...

Furlough out of India on private affairs for 6 months, from 18th April 1892.

...	Supdt., 1st grade, and Director of Bengal Surveys	18th Aug. 1892	.....	...
Bengal.	Ditto ditto	20th Oct. 1892	.....	...

War Services.—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, C.B., C.I.E., 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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Served with the Survey Party attached to the Abyssinian Expedition, from 1st November 1867 to June 1868.</i>				
<i>On Special Duty in England, from June 1868 to May 1869.</i>				
...	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, Gwa- lior 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 Agen- cy and Central Provinces Survey	15th Dec. 1873	Dy. Supdt., 3rd grade	15th Dec. 1873.
<i>Promoted to Captain, 4th June 1876.</i>				
<i>Furlough to England for 2 years, from 14th May 1877; recalled for service in December 1878.</i>				
<i>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.</i>				
...	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.
<i>Promoted to Brevet-Major, 2nd March 1881.</i>				
<i>Special leave to England for 3 months, from 1st November 1880, and overstayed it by 9 days, from 27th January 1881.</i>				
Kohat . . .	Asst. Supdt., 1st grade, in charge Kohat District Topl. Survey	15th Feb. 1881	Dy. Supdt., 3rd grade	15th Feb. 1881.
<i>Served as Survey Officer with the Waziri Expedition in March 1881.</i>				
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	.....	...
<i>Furlough to Europe for 1 year, from 8th March 1884; recalled for service with the Zhob Valley Expedition in July 1884.</i>				
<i>Elected for continuous Indian Service, 10th September 1886.</i>				
<i>On Special Duty in charge of Survey Party attached to the Afghan Boundary Commission, from 18th August 1884 to 1st November 1886.</i>				
...	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	.....	...
<i>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.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>On duty at India Office, from 25th November 1886 to 25th March 1887.</i>				
<i>Furlough on medical certificate for 1 year and 21 days, from 25th March 1887.</i>				
Dehra Dún.	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 1888.
Quetta	In charge No. 15 Baluchistan Party	3rd Nov. 1888	Ditto ditto	...
Dehra Dún	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.
<i>Furlough to England for 6 months, from 17th April 1891.</i>				
...	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	.....	...
<i>Promoted to Brevet-Colonel, 1st September 1891.</i>				
...	Dy. Supdt., 1st grade (confirmed)	1st 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	.....	...
Simla	Supdt., 1st grade, in charge No. 15 Party (Baluchistan) and Simla Drawing Office	13th Apl. 1894	.....	...

Appointed a C.B., and C.I.E., in May 1894.

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 Kadana Valley and the route from Peshin to India *viâ* 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 Kubul 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 Kedarzuis, 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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<p><i>Literary Work.</i>—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.</p>				

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 Lieut., Bengal Artillery	10th June 1859	.....	...
<p><i>On Special Duty under Foreign Department, from 16th January to 20th December 1862.</i> <i>Received the thanks of Government for services.</i> <i>Leave to study Native languages, 20th April to 31st July 1863.</i></p>				
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	.....	...
<p><i>Leave on medical certificate to Europe for 1 year 10 months and 24 days, from 25th March 1867.</i></p>				
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	.....	...
<p><i>Appointed to Bengal Staff Corps, 9th October 1869, with effect from 27th June 1866.</i></p>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Calcutta	Asst. Supdt., 1st grade, attached to the Office of the Surveyor-Genl. of India	17th June 1870	.....	...
<i>Promoted to Captain, 10th June 1871.</i>				
<i>Served with the Indian Eclipse Expedition, from 21st November 1871 to 8th January 1872.</i>				
Calcutta	Asst. Surveyor-Genl.	1st Apl. 1874	.....	...
<i>Attached to the Expedition for observing the Transit of Venus, from 10th October 1874 to 1st January 1875.</i>				
<i>In charge Indian Eclipse Expedition to Nicobar Islands, from 11th March to 18th April 1875.</i>				
<i>Received the thanks of Government for his services.</i>				
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.
<i>Privilege leave for 3 months, from 9th July 1878.</i>				
<i>On Special Duty in Europe, from 10th October to 8th November 1878.</i>				
Calcutta	Asst. Supdt., 1st grade, and Asst. Surveyor-Genl.	...	Dy. Supdt., 3rd grade	9th Nov. 1878.
Ditto	Ditto ditto	6th May 1879	.....	...
<i>Promoted to Major, 10th June 1879.</i>				
Calcutta	Asst. Supdt., 1st grade, and Asst. Surveyor-Genl.	...	Dy. Supdt., 3rd grade	1st Nov. 1879.
...	Ditto ditto	12th Dec. 1879	.....	...
<i>Furlough to Europe on private affairs for 2 years and 9 days, from 13th December 1879.</i>				
<i>(9 days were spent on duty.)</i>				
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	.....	...
<i>Promoted to Lieutenant-Colonel, 10th June 1885.</i>				
<i>Privilege leave for 2 months and 24 days, from 20th July 1885.</i>				
<i>Furlough to Europe for 8 months and 23 days, from 21st March 1886.</i>				
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	.....	...
<i>Promoted to Colonel, 10th June 1889.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
----------	--------------------------	-------	--------------------------	-------

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.
----------	--	---------------	-----------------------	-----------------

Furlough to Europe on private affairs for 6 months, from 7th May 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., 2nd grade, ditto	18th Aug. 1892	Supdt., 1st grade	18th Aug. 1892.
Ditto	Ditto ditto	20th Oct. 1892	.....	...

On special duty to Poona, 12th to 17th August 1893.

Privilege leave for 1 month and 28 days, from 18th August 1893.

Calcutta	Supdt., 2nd grade, and Asst. Surveyor-General, in charge Photo-Litho. Office	27th Oct. 1893
----------	--	----------------	-------	-----

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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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	.....	...
Ditto	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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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	.....	...
<i>Regimental Lieutenant-Colonel, 5th December 1890.</i>				
Calcutta	Dy. Supdt., 2nd grade, and Asst. Surveyor-Genl.	...	Dy. Supdt., 1st grade	7th May 1891.
Ditto	Ditto ditto	16th Oct. 1891	.....	...
<i>Privilege leave for 1 month and 19 days, from 5th May 1892.</i>				
Calcutta	Dy. Supdt., 2nd grade, and Asst. Surveyor-Genl.	24th June 1892	.....	...
Ditto	Supdt., 2nd grade and ditto	18th Aug. 1892	.....	...
<i>Special leave for 5 months and 29 days, from 19th April 1893.</i>				
Calcutta	Supdt., 2nd grade, and Asst. Surveyor-General	18th Oct. 1893	.....	...
<i>War Services.</i> —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	.....	...
<i>On duty at the Royal Engineering Establishment, Chatham, and on the Plymouth Defences, from 25th June 1862 to September 1865.</i>				
...	Posted to the Indian Establishment	10th Aug. 1865	.....	...
...	Landed in India	10th Dec. 1865	.....	...
Roorkee	Attached to Sappers and Miners	27th Jan. 1866	.....	...
Debra	Asst. Surveyor, 2nd grade, Great Trigonometrical Survey	4th Dec. 1866	.....	...
Kumaon	Ditto, 2nd grade, Kumaon and Garhwal Survey	28th Dec. 1866	.....	...
<i>Leave on medical certificate for 353 days, from 11th November 1866.</i>				
...	Asst. Supdt., 2nd grade	1st Sept. 1869	.....	...
Kumaon	Asst. Supdt., 2nd grade, Great Trigonometrical Survey, Kumaon and Garhwal Survey	31st Oct. 1869	.....	...
Ditto	Ditto, 1st grade, ditto	30th Oct. 1870	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Kumaon	Asst. Supdt., 1st grade, in charge of Great Trigonometrical Survey, Kumaon and Garhwal Survey	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>Leave 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. 1890.
...	Ditto additional charge of Burma Party	16th June 1880	Ditto ditto	...
...	Ditto in charge Tidal and Levelling operations	18th Sept. 1881	Ditto ditto	...
...	Ditto in charge Eastern Frontier Series	16th Apl. 1882	Ditto ditto	...
...	Ditto in charge Konkan Party	June 1882	Ditto ditto	...
<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	.....	...
Ditto	Dy. Supdt., 3rd grade, in charge Tidal and Levelling Party	6th July 1885	.....	...
...	Ditto ditto in charge South Mahratta Topographical Survey	23rd Oct. 1885	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Poona . .	Dy. Supdt., 3rd grade, attached to Tidal and Levelling Party .	29th Dec. 1885	.....	...
Ditto . .	Ditto ditto in charge	...	.....	...
Ditto . .	Tidal and Levelling Party	20th Jan. 1886	.....	...
	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	.....	...
<i>Privilege leave for 2 months and 26 days, from 10th July 1893.</i>				
Poona . .	Supdt., 2nd grade, in charge No. 25 Party (Tidal and Levelling)	4th Oct. 1893	.....	...

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>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Joined at Belfast, June 1864.</i>				
...	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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Mysore .	Dy. Supdt., 4th grade, in charge Mysore Topographical Survey	...	Dy. Supdt., 3rd grade	4th Apl. 1884.
Ditto .	Ditto ditto	16th Mar. 1886	.....	...

Furlough to Europe on medical certificate for 1 year 9 months and 21 days, from 26th March 1886.

Elected for continuous Indian service, 5th June 1886.

Basti ...	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.

Promoted to Lieutenant-Colonel, half-pay, 18th December 1888. Regimental Lieutenant-Colonel, 1st May 1890.

Madras .	Dy. Supdt., 2nd grade, in charge No. 19 Party (Madras)	10th Dec. 1890	.....	...
Ditto .	Supdt., 2nd grade, ditto	18th Aug. 1892	.....	...

Furlough in India and Europe for 1 year 3 months and 18 days, from 1st Oct. 1893.

War Services—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.
----------	--------------------------	-------	--------------------------	-------

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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieutenant, Royal Artly. . .	22nd June 1859	.....	...
Guernsey	Ditto ditto	1st Aug. 1859	.....	...
Cawnpore	Ditto, Command of G-11th, R. A.	22nd Sept. 1864	.....	...
...	Lieutenant, R. A.	25th Mar. 1866	.....	...
...	Lieutenant, 3-22nd, R. A. . .	28th Apl. 1869	.....	...
...	Ditto ditto . . . . .	...	Comsy. of Ordnance .	22nd June 1869.
<i>Appointed to Bengal Staff Corps, 24th August 1869.</i>				
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 (Hoshanga- bad) . . . . .	...	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	.....	...
<i>Furlough to Europe on private affairs for 1 year 9 months and 17 days, from 3rd April 1894.</i>				

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 Party	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. pro tem.)	13th Oct. 1891	.....	...
<i>Privilege leave for 2 months and 29 days, from 27th June 1892.</i>				
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	.....	...
<i>Furlough for 5 months and 27 days, from 3rd May 1893.</i>				
Assam .	Supdt., 2nd grade, in charge No. 6 Party (Assam)	6th Nov. 1893	.....	...
<i>War Services.</i> —Served with the Right Column, Lushni 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.
<i>On duty at Royal Engineering Establishment, Chatham, till November 1867.</i>				
<i>Employed in Works Department, Manufacturing District, in England, till May 1869.</i>				
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 Survey	1st Oct. 1871	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Shillong	Asst. Supdt., 2nd grade, 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	.....	...
<i>Privilege leave for 3 months, from 17th July 1874.</i>				
Ditto	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 Survey	24th April 1875	.....	...
Calcutta	Ditto, 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	.....	...
Dibrugarh	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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Sylhet	Asst. Supdt., 2nd grade, in charge, No. 6 Topl. Party, Khasia and Garo Hills Survey	3rd Dec. 1881	Asst. Supdt., 1st grade	...
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	...
<i>Made a C. B. in November 1887.</i>				
<i>Privilege leave for 3 months, from 4th December 1887.</i>				
<i>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.</i>				
<i>Furlough for 4 months, from 10th October 1888.</i>				
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	...
Mandalay	Ditto, in charge No. 11 Party (Upper Burma)	...	Ditto ditto	...
<i>Privilege leave for 1 month, from 12th September 1893.</i>				
Mandalay	Dy. Supdt., 1st grade, in charge No. 11 Party (Upper Burma)	12th Oct. 1893	Suptd., 2nd grade	...
Ditto	Supdt., 2nd grade, ditto	28th Apl. 1894	.....	...

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 Kariz 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 Snidabnd, 25th and

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<p>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.</p> <p><i>Literary Works.</i>—Account of the Lushai Expedition, 1871-72, Northern Column—Hurst and Blakett, 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.</p>				

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	.....	...
<p><i>On Special Duty in Lushai Expedition, from 1st November 1871 to 4th June 1872.</i></p> <p><i>Examination leave for 3 months, from 5th June to 4th September 1872.</i></p>				
Calcutta	Asst. Supdt., 2nd grade, on duty Head-quarters Office	5th Sept. 1872	.....	...
<p><i>On Special Duty, Chittagong, from 1st November 1872 to May 1873.</i></p>				
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	.....	...
Azimgarh	Ditto, Azimgarh District (Cadastral) Survey	Nov. 1874	.....	...
Gurgaon	Ditto, Gurgaon District Survey	1st Apl. 1876	.....	...
Poona	Ditto, Deccan Survey	Nov. 1876	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Poona .	Asst. Supdt., 3rd grade, 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 .	...
<i>Furlough for 2 years and 18 days, from 22nd May 1880.</i>				
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 .	...	Dy. Supdt., 4th grade	2nd Nov. 1882.
...	Ditto ditto .	4th Nov. 1882	.....	...
...	Ditto ditto .	...	Dy. Supdt., 4th grade	7th Nov. 1882.
...	Ditto ditto .	1st Jan. 1883	.....	...
...	Ditto ditto .	...	Dy. Supdt., 4th grade	14th Mar. 1883.
...	Ditto ditto .	15th Mar. 1883	.....	...
...	Ditto ditto .	...	Dy. Supdt., 4th grade	20th Apl. 1883.
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, ditto .	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 .	...	Dy. Supdt., 3rd grade	4th Nov. 1887.
...	Ditto ditto .	24th Nov. 1887	.....	...
...	Ditto ditto .	...	Dy. Supdt., 3rd grade	25th Nov. 1887.
...	Ditto ditto .	30th Nov. 1887	.....	...
...	Ditto ditto .	...	Dy. Supdt., 3rd grade	6th Jan. 1888.
...	Ditto ditto .	25th Jan. 1888	.....	...
...	Ditto ditto .	...	Dy. Supdt., 3rd grade	11th Feb. 1888.
...	Ditto ditto .	14th Apl. 1888	.....	...
...	Ditto ditto .	...	Dy. Supdt., 3rd grade	16th May 1888.
<i>Privilege leave for 3 months, from 3rd August 1888.</i>				
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.
<i>Furlough for 18 months, from 22nd May 1892.</i>				
...	Dy. Supdt., 1st grade .	18th Aug. 1892	.....	...
...	Ditto ditto .	...	Supdt., 2nd grade .	1st Nov. 1893.
Bangalore .	Ditto ditto in charge No. 20 Party (Burma) .	4th Nov. 1893	Ditto ditto .	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Bangalore	Dy. Supdt., 1st grade, in charge No. 20 Party (Burma)	6th Nov. 1893	.....	...
Ditto	Ditto ditto	...	Supdt., 2nd grade	3rd Apl. 1894.

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 Surveyor	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	.....	...
<i>Privilege leave for 15 days, from 4th to 18th June 1866.</i>				
Gauhati	Asst. Surveyor, 1st or Northern Divn., Assam	18th Aug. 1866	.....	...
Raipur	Ditto, 2nd Divn., Central Provinces	6th Mar. 1867	.....	...
<i>Leave on medical certificate for 1 month, from 4th July 1867.</i>				
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.), Central 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.

Examination leave for 3 months, from 1st August 1874.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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, Hantlawaddy 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.
Rangoon	Ditto ditto 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 Office . .	2nd Nov. 1892	.....	...
Burma	Ditto, in charge No. 20 Party (Burma) . .	15th Nov. 1892	.....	...
Ditto	Ditto ditto . .	...	Supdt., 2nd grade .	29th Apl. 1893.
Ditto	Ditto ditto . .	1st Nov. 1893	.....	...
Ditto	Ditto ditto attached to No. 20 Party (Burma) . .	4th Nov. 1893	.....	...
Kamptee	Ditto ditto in charge No. 9 Party (C. P.) . .	17th Nov. 1893	.....	...
Ditto	Ditto ditto ditto . .	...	Supdt., 2nd grade .	28th Apl. 1894.

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	.....	...

On duty at the Royal Engineering Establishment, Chatham, from February 1870 to July 1871.

...	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	.....	...

Privilege leave for 14 days, from 1st October 1873.

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 . . . . .	...

Privilege leave for 21 days, from 17th September 1877.

Gujrat .	Asst. Supdt., 3rd grade, Gujrat Party, Great Trigonometrical Survey	5th Jan. 1878	Asst. Supdt., 2nd grade
----------	---	---------------	-----------------------------------	-----

Privilege leave for 2 months, from 26th May 1878.

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 . . . . .	...

Served as Survey Officer with the Southern Afghanistan Field Force, from 9th February 1879 to 15th May 1880.

...	Asst. Supdt., 3rd grade	26th Apl. 1879	.....	...
...	Ditto ditto . . . . .	...	Asst. Supdt., 2nd grade	6th July 1879.

Furlough to Europe for 2 years, from 11th December 1880.

Promoted to Captain, 8th January 1882.

...	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.

On Special Survey duty with Afghan Boundary Commission, from 26th August 1884 to 23rd November 1886.

Station.	Substantive Appointment.	Date.	Officialing Appointment.	Date.
...	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	.....	...
...	Ditto ditto . . .	...	Dy. Supdt., 3rd grade	20th Nov. 1886.
Dehra Dún .	Ditto ditto (special duty)	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>				
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 furlough . . .	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	.....	...
Ditto . . .	Ditto ditto . . .	...	Supdt., 2nd grade .	1st Oct. 1893.
Ditto . . .	Ditto ditto . . .	18th Oct. 1893	.....	...
Dehra . . .	Ditto attached to Trigonometrical Branch Office . . .	15th Apl. 1894	.....	...
Ditto . . .	Ditto ditto and Supdt. Trigonometrical Surveys . . .	1st May 1894	.....	...
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	.....	...

Officiating Wing Officer, 38th Regiment, Bengal Infantry, in addition to his other duties, from 21st November 1872 to 5th January 1873.

Buxa, Bhutan | Station Staff Officer . . . | 16th Mar. 1873 | | ...

Officiating Wing Officer, 38th Regiment, Bengal Infantry, in addition to his other duties, from April to 27th June 1873.

General leave for 4 months and 6 days, from 12th July 1873.

Buxa, Bhutan	Station Staff Officer . . .	18th Nov. 1873	.....	...
...	Asst. Supdt., 3rd grade (on probn.), Topl. Survey . . .	11th Sept. 1874	.....	...
...	Asst. Supdt., 3rd grade, Topographical 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.

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.

...	Asst. Supdt., 3rd grade . . .	...	Asst. Supdt., 2nd grade . . .	15th Jun. 1879.
...	Ditto ditto . . .	4th Feb. 1879	.....	...
...	Ditto ditto . . .	...	Asst. Supdt., 2nd grade . . .	14th Apl. 1879.
...	Ditto ditto . . .	22nd Apl. 1879	.....	...

Furlough on medical certificate for 1 year 3 months and 28 days, from 1st December 1879.

Promoted to Captain, 13th January 1881.

Gujrat . . .	Asst. Supdt., 3rd grade, Gujrat Survey	2nd Apl. 1881	.....	...
...	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 . . . . .	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Ast. Supdt., 1st grade, in charge Upper Burma Topl. Party .	...	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	.....	...
Ditto .	Ditto ditto in charge No. 17 Party (Bombay Forests)	11th May 1894	.....	...
<p><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 Burma Clasp 1889-92.</p>				

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 Establish- ment	1st Nov. 1878	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from February 1876 to July 1878.</i>				
Afghanistan .	Asst. Supdt., 3rd grade (Su- pernumerary)	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 (Su- pernumerary)	13th Oct. 1881	.....	...
...	Ditto, 2nd grade (Su- pernumerary)	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 . . . . .	...
<i>In charge of Suakim Expeditionary Survey from 4th March 1885.</i>				
Poona	Asst. Supdt., 1st grade, attach- ed to the Tidal and Levelling Operations	19th June 1885	Dy. Supdt., 4th grade	...
Ditto	Ditto ditto, in charge South Mahratta Sur- vey Party	6th July 1885	Ditto ditto . . . . .	...
Ditto	Ditto ditto, attach- ed to the Tidal and Levelling Operations	19th Oct. 1885	Ditto ditto . . . . .	...
Ditto	Ditto ditto, in charge South Mahratta Sur- vey 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, from 12th December 1887, and overstayed it by 5 days.</i>				
Baluchistan .	Dy. Supdt., 4th grade, in charge No. 15 Party	11th Apl. 1888	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	1st Sept. 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Dy. Supdt., 4th grade, in charge No. 15 party	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	.....	...
Ditto	Ditto ditto in charge and No. 11 Party (Upper Burma)	12th Sept. 1893	.....	...

Made over charge of No. 11 Party (Upper Burma), 12th October 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 Saidabad 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 Suakin 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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<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.
Bajputana	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>				
Gorakhpore	Asst. Supdt., 1st grade, Gorakhpore 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	.....	...
Mussoorie	Ditto ditto in charge Aden Party and No. 14 Party	13th May 1892	.....	...
...	Ditto ditto	...	Dy. Supdt., 2nd grade	16th May 1892.
...	Ditto ditto	5th June 1892	...	...
<i>Made over charge of No. 14 Party, 27th June 1892.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Mussoorie	Dy. Supdt., 1st grade, in charge Aden Party	18th Aug. 1892	.....	...
<i>Served as Survey Officer with the Isazai Field Force from 21st September to 15th November 1892.</i>				
Calcutta	Dy. Supdt., 1st grade, attached to Head-quarters office	16th Nov. 1892	.....	...
<i>Promoted to Major, 5th December 1892.</i>				
Calcutta	Dy. Supdt., 1st grade, attached to Head-quarters office	...	Asst. Surveyor-General	19th Apl. 1893.
<i>Privilege leave for 2 months and 7 days, from 10th July 1893.</i>				
Calcutta	Dy. Supdt., 1st grade, attached to Head-quarters office	18th Sept. 1893	.....	...
Bangalore	Ditto ditto attached to No. 19 Party (Madras)	25th Sept. 1893	.....	...
Ditto	Ditto ditto in charge	1st Oct. 1893	.....	...
Simla	Ditto ditto attached to No. 18 Party (Himalaya)	14th Apl. 1894	.....	...
Ditto	Ditto ditto in charge	16th Apl. 1894	.....	...

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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
N.-W. Frontier	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	.....	...
<i>Privilege leave for 3 months, from 31st May 1878.</i>				
Dehra Dún	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	.....	..
<i>Privilege leave for 3 months, from 5th May 1882.</i>				
<i>Furlough for 7 months, from 7th June 1883.</i>				
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	.....	...
<i>Privilege leave for 3 months, from 5th April 1888.</i>				
Dehra Dún	Supdt., Forest Surveys, and Dy. Conservator of Forests, 2nd grade	...	Dy. Conservator of Forests, 1st grade	2nd Mar. 1889.
<i>Furlough for 9 months, from 21st January 1890.</i>				
Dehra Dún	Supdt., Forest Surveys, and Dy. Supdt., 4th grade, Sur- vey 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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>War Services.</i> —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.				

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	.....	...
<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	.....	...
Simla .	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>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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. <i>pro tem.</i>)	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, 4th April 1893.</i>				
Calcutta	Dy. Supdt., 1st grade, attached to Head-quarters Office	13th Jan. 1894	.....	...
Madras	Ditto ditto attached to No. 19 Party (Madras)	13th Mar. 1894	.....	...
Ditto	Ditto ditto in charge ditto	2nd Apl. 1894	.....	...
<i>War Services.</i> —Upper Burma, 1886; first Southern Shan Expedition, 1886-87; Northern Karen Column, 1868-89; slightly wounded; mentioned in despatches—Medal, Burma medal, clasp, 1867-89.				

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, Corl, Ireland.	2nd Lieut., 2nd Battn., H. M.'s 22nd Cheshire Regt.	1st May 1878	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<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 Goorkhas . . .	23rd Dec. 1880.
Ditto	Lieut., Bengal Staff Corps, and Wing Officer, 4th Goorkhas	15th Sept. 1881	Qr. Mr., 4th Goorkhas . . .	...
Almora	Ditto and Wing Officer, 3rd Goorkhas	27th Feb. 1883	.....	...
Gujrat	Asst. Supdt., 2nd grade, Survey of India (on probn.), attached to Gujrat Party . . .	12th Sept. 1883	.....	...
Ditto	Asst. Supdt., 2nd grade, attached to Gujrat Party . . .	23rd July 1884	Asst. Supt., 1st grade	23rd July 1884.
Simla	Ditto on duty at Headquarters 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.
<i>Furlough to Europe for 1 year, 7 months and 28 days, from 4th March 1889.</i>				
<i>Promoted to Captain, 1st May 1889.</i>				
...	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 Dooars) . . .	17th Nov. 1890	Ditto ditto . . .	...
Ditto	Ditto ditto	5th Dec. 1890	...	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	14th Mar. 1891.
Ditto	Dy. Supdt., 2nd grade, ditto . . .	18th Aug. 1892	Dy. Supdt., 1st grade	18th Aug. 1892.
Diupur	Ditto, in charge Nos. 4 and 5 Parties (Behar)	1st Nov. 1892	Ditto ditto . . .	...
<i>Privilege leave for 2 months and 2 days, from 3rd July 1893.</i>				
...	Dy. Supdt., 2nd grade, in charge Nos. 4 and 5 Parties (Behar)	5th Sept. 1893	Dy. Supdt., 1st grade	...
Behar	Ditto ditto ditto and in charge Nos. 2 and 8 Parties (Behar)	1st Oct. 1893	Ditto ditto . . .	...
<i>Made over charge of Nos. 2 and 8 Parties (Behar) on 4th November 1893.</i>				
Behar	Dy. Supdt., 1st grade, in charge Nos. 4 and 5 Parties (Behar)	28th Apl. 1894	.....	...
<i>War Services.—Afghanistan, from 3rd August to 9th October 1880, as Officiating Wing Officer, 4th Goorkhas—Medal.</i>				

Barrard, 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	.....	...
Dehra . .	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	...
...	Ditto ditto	24th Oct. 1887	.....	...
<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 Trigonometrical 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 III)	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 on 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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<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 on 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.
Ditto	| Ditto in charge Nos. 22 and 23 Parties (Astronomical) . . . |	5th Sept. 1893	| Ditto ditto |	...
<i>Made over charge of No. 23 Party (Astronomical) on 6th November 1893.</i>				
Mussoorie	| Dy. Supdt., 2nd grade, in charge No. 22 Party (Astronomical) . . . |	13th Jan. 1894	| ..... |	...
Ditto	| Ditto ditto . . . |	...	| Dy. Supdt., 1st grade |	3rd Apl. 1894.

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

Station.	Substantive Appointment.	Date.	Officiating Appointment.	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>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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	.....	...

Privilege leave for 29 days, from 11th September 1878.

Dehra Dún	Surveyor, 3rd grade, Punjab			
	Rev. Survey	18th July 1879	.....	...

During 1879-80 attached to Intelligence Branch, Quarter Master General's Department, Afghanistan.

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	.....	...

Employed with the Zhob Valley Expedition, from 16th September to 9th November 1884.

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 Mehals Survey) . . . . .	...	Dy. Supdt., 4th grade	21st June 1888.

Privilege leave for 3 months, from 9th July 1888.

Kyauksé	Asst. Supdt., 1st grade, in charge No. 3 Party (Kyauksé)	24th Oct. 1889	Ditto ditto	...
Ditto	Dy. Supdt., 4th grade, in charge No. 3 Party (Kyauksé)	1st Apl. 1890	.....	...
Mandalay	Ditto ditto (Mandalay)	1st Nov. 1890	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	4th Nov. 1890.
Ditto	Ditto ditto	15th Nov. 1890	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	10th Apl. 1891.

Furlough to Europe on private affairs for 6 months, from 18th June 1891.

Mandalay	Dy. Supdt., 4th grade, in charge No. 3 Party (Mandalay)	23rd Dec. 1891	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	26th Mar. 1892.
Ditto	Ditto, 2nd grade, ditto	18th Aug. 1892	Ditto, 1st grade	18th Aug. 1892.
Ditto	Ditto ditto ditto	6th Nov. 1893	.....	...
Ditto	Ditto ditto ditto . . . . .	...	Dy. Supdt., 1st grade	28th Apl. 1894.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
----------	--------------------------	-------	--------------------------	-------

War and Trans-Frontier Services.—In 1867 reconnoitred independent hill tracts of Allahi Nandihar, Tikari, and eastern slopes of Black Mountain; repulsed night attack on camp, 23rd April.

1868, 11th August, repulsed attack by Allabiwal; presented with sword "for gallantry" by Punjab Government; accompanied Black Mountain Expedition—Medal and clasp.

1869, reconnoitred independent tracts of Chilas and Kohistan between Indus and Kaghan.

1870, reconnoitred hill country round Peshawur district; fired on by Hassan Khel.

1871, reconnoitred small portion Bhutan hills touching on District Darrang, Assam.

1877, accompanied Jowaki-Afridi Expedition; services cordially acknowledged by Viceroy, Commander-in-Chief, and Punjab Government.

1878-79, with Khyber Column in Afghanistan; present at attack on Ali Musjid, actions of Deh Sarak and Fattehabad; accompanied 1st and 2nd Bazar Valley Expeditions; mentioned in Despatches; attacked by Mohmands near Michni while reconnoitring alternative routes to the Khyber; "conspicuous gallantry" displayed on the occasion, cordially acknowledged by the Viceroy in Council; ascended summit of Sikaram, Safed-koh, 29th May 1879, and received congratulatory telegram from Commander-in-Chief, as having been the first European who had done so; services during campaign acknowledged by Secretary of State for India, by the Governor-General, by the Commander-in-Chief, and by the Punjab Government—Medal and clasp; personal allowance of R100 per month and special grant of R1,000; recommended by Viceroy and Commander-in-Chief for direct Captaincy in Staff Corps, disallowed by War Office.

1879-80, attached to Quarter-Master General's Department during 2nd Afghan Campaign; completed reconnaissance of Afridi and Mohmand countries; accompanied General Tytler's Expedition against the Zaimukhts; services acknowledged by Commander-in-Chief; mentioned in Despatches, October and November 1884; accompanied Zhob Valley Expedition; services acknowledged by Governor-General in Council.

Literary Works.—Reports on Tirah, Mohmand country, and various other parts of Afghanistan. } Intelligence Branch, Q. M. G.'s Department.
 "Pathans of the North-Western Frontier." }
 "A Surveyor's Narrative in Afghanistan." } Blackwood, 1879.
 "Pushto Vocabulary" for Explorers. }

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

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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	.....	...

Appointed by Her Majesty's Secretary of State for India.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún	Asst. Supdt., 2nd grade, attached to Computing Party	...	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	.....	...
Ditto	Ditto ditto	...	Dy. Supdt., 1st grade	24th Sept. 1893.
Ditto	Ditto ditto	1st Nov. 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	3rd 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 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	.....	...

Furlough on medical certificate for 2 years, from 9th January 1890.

Promoted to Captain, 13th August 1890.

..	Dy. Supdt., 4th grade	19th Feb. 1891	.....	...
Calcutta	Ditto, attached to Headquarters Office	9th Jan. 1892	.....	...
Simla	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	.....	...
Calcutta	Dy. Supdt., 2nd grade, in charge Nos. 2 and 8 Parties (Bengal)	1st Oct. 1893	Dy. Supdt., 1st grade	1st Oct. 1893.
Ditto	Ditto ditto ditto	18th Oct. 1893	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>War Services.</i> —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 Rev. Survey, doing duty in the Central Office	2nd Feb. 1881	.....	...
Bellary	Ditto ditto ditto No. 2 Party	9th Feb. 1881	.....	...
Ditto	2nd grade Asst. Supdt., Madras Rev. Survey, No. 2 Party	1st Sept. 1881	.....	...
Madras	Ditto on duty Central Office	19th Dec. 1881	.....	...
Madura	2nd grade Asst. Supdt., Madras Rev. Survey, No. 2 Party	2nd Mar. 1882	.....	...
Ditto	2nd grade Asst. Supdt., Madras Rev. Survey, No. 1 Party	1st Dec. 1882	.....	...
<i>Privilege leave for 2 months, from 7th May 1883.</i>				
Tanjore	2nd grade Asst. Supdt., Madras Rev. Survey, No. 3 Party	7th July 1883	.....	...
Ditto	Ditto ditto	...	1st grade Asst. Supdt.	18th Mar. 1884.
Ditto	2nd grade Asst. Supdt., Madras Rev. Survey	19th June 1884	.....	...
Ditto	1st grade Asst. Supdt., Madras Rev. Survey	3rd Sept. 1884	.....	...
Madras	1st grade Asst. Supdt., 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	.....	...

Privilege leave for 3 months, from 1st July 1886.

Services placed at the disposal of the Government of India, from 1st October 1886.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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 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	.....	...
<i>Furlough for 1 year, from 21st November 1891.</i>				
Calcutta	Dy. Supdt., 2nd grade	18th Aug. 1892	.....	...
Ditto	Ditto attached to Head-quarters Office	23rd Nov. 1892	.....	...
Ditto	Ditto ditto ditto	...	Asst. Surveyor-General	10th July 1893.
Ditto	Ditto ditto ditto	...	Ditto in charge Photo.-Litho. Office.	18th Aug. 1893.
Ditto	Ditto ditto ditto	27th Oct. 1893	.....	...

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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<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. Engr., 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. Supdt., 2nd grade, Survey of India, attached to No. 21 Party (Upper Burma)	1st Apl. 1888	.....	...
Ditto	Ditto ditto . . . . .	...	Asst. Supdt., 1st grade	1st. Jun. 1889.
Ditto	Asst. Supdt., 1st grade, attached to No. 21 Party (Upper Burma)	26th Mar. 1889	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 4th grade	20th Apl. 1889.

Special Burma privilege leave for 2 months and 28 days, from 20th July 1889.

...	Asst. Supdt., 1st grade, in charge Chin-Lushai Expedition Survey Detachment, Burma Column	16th Dec. 1889	.....	...
Upper Burma.	Asst. Supdt., 1st grade, attached to No. 21 Party (Upper Burma)	18th Apl. 1890	Dy. Supdt., 4th grade	18th Apl. 1890.

On Special Duty in connection with an Expedition in Upper Burma along the Chinese Frontier, from 21st December 1890 to 7th May 1891.

...	Dy. Supdt., 4th grade (sub. <i>pro tem.</i>)	2nd Apl. 1891	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	11th June 1891.
Upper Burma.	Ditto, in charge No. 11 Party (Upper Burma II)	1st July 1891	Dy. Supdt., 3rd grade	...

Promoted to Captain, 13th August 1891.

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 ditto	22nd Feb. 1892	.....	...
Ditto	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	16th May 1892.
Ditto	Ditto ditto	5th June 1892	.....	...
Ditto	Ditto ditto and in charge No. 11 Party	5th June 1892	.....	...
...	Ditto ditto . . . . .	...	Dy. Supdt., 3rd grade	8th July 1892.

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.

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

Furlough (on private affairs) for 1 year, from 6th May 1893. Extension for 8 months.

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 Maudalay; 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, 1889-90; 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	.....	...
<i>Served with the Suakim Field Force in 1885.</i>				
...	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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Quetta .	Asst. Supdt., 1st grade, in charge No. 15 Party (Baluchistan)	10th Apl. 1891	Dy. Supdt., 4th grade	...
<i>Served as Survey Officer with the Miranzai Field Force, from 28th April to 8th June 1891.</i>				
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.

Privilege leave for 1 month and 1 day, from 14th August 1893, and overstayed it by one day.

Quetta .	Dy. Supdt., 2nd grade, attached to No. 15 Party (Baluchistan)	16th Sept. 1893
----------	---	-----------------	-------	-----

War Services.—Served with the Sunkim 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>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Posted to the Indian Establishment	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 (Railway)	Ditto ditto	1st Sept. 1887	.....	...
Khojak . .	Ditto ditto	1st Dec. 1887	.....	...
<i>Privilege leave for 2 months and 14 days, from 11th February 1869.</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, attached 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 (Himalaya)	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 Provinces)	28th Oct. 1892	Ditto ditto	...
<i>Privilege leave for 3 months, from 14th June 1893.</i>				
Kamptee . .	Asst. Supdt., 1st grade, in charge No. 9 Party (Central Provinces)	14th Sept. 1893	Dy. Supdt., 2nd grade	...
Calcutta . .	Ditto ditto attached to Head-quarters Office	17th Nov. 1893	Ditto ditto	...
Ditto . .	Dy. Supdt., 2nd grade, ditto	28th Apl. 1894	.....	...
Mussoorie . .	Ditto ditto in charge No. 14 Party (Nimar)	14th May 1894	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>War Services.</i> —With expedition to Bechuanaland 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 Establish- ment	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	Apl. 1888.
Umballa . .	Ditto . . . . .	...	Ditto, Sirhind and Lahore Com- mand, Umballa Division	15th May 1889.

Employed on Chor Survey Party until 25th June 1889.

Mussoorie .	Asst. Supdt., 2nd grade, Sur- vey 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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Mussoorie	Asst. Supdt., 1st grade, in charge No. 23 Party (Astronomical).	...	Dy. Supdt., 2nd grade	18th Aug. 1892.
<i>Privilege leave from 5th to 30th September 1893, and from 19th October to 5th November 1893; and special Examination leave 1st to 18th October 1893.</i>				
Mussoorie	Asst. Supdt., 1st grade, in charge No. 23 Party (Astronomical).	6th Nov. 1893	Dy. Supdt., 2nd grade	...
Ditto	Dy. Supdt., 2nd grade, in charge No. 23 Party (Astronomical).	8th May 1894	.....	...

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	.....	...
Ditto	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	.....	...
<i>Privilege leave for 3 months, from 1st June 1864.</i>				
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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Dehra Dún .	Surveyor, 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 Leveling)	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	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.
Bangoon .	Ditto ditto	6th Nov. 1893	.....	...
Ditto .	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	3rd Dec. 1893.
Amherst .	Ditto ditto	13th Jan. 1894	.....	...
Ditto .	Ditto ditto . . . . .	...	Dy. Supdt., 2nd grade	3rd Apl. 1894.

Literary Works.—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).

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

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., 2nd Battalion, the Highland Light Infantry	23rd Aug. 1884	.....	...
...	Appointed (on probation) to the Bengal Staff Corps	4th June 1888	Wing Officer, 31st Punjab Infantry	4th June 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	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) attached to ditto	28th Nov. 1891	.....	...
Ditto	Ditto 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 5 months and 28 days, from 3rd May 1893.</i>				
Bihar	Asst. Supdt., 1st grade, in charge Nos. 2 and 8 Parties (Bihar).	4th Nov. 1893	.....	...
Ditto	Ditto ditto ditto	...	Dy. Supdt., 2nd grade	28th Apl. 1894.

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	.....	...
<i>Privilege leave for 15 days, from 2nd October 1872.</i>				
Dehra Dún	Asst. Surveyor, 3rd grade, ditto	1st Apl. 1873	.....	...
<i>Privilege leave for 1 month, from 5th June 1873.</i>				
<i>Privilege leave for 15 days, from 29th July 1874.</i>				

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. 1878.
...	Sub-Asst. Conservator of For- ests, 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	.....	...
Ditto .	Ditto ditto . . . .	...	Dy. Supdt., 2nd grade	24th Sept. 1893.
Ditto .	Ditto ditto	1st Nov. 1893	.....	...
Ditto .	Ditto ditto . . . .	..	Dy. Supdt., 2nd grade	8th May 1894.

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	16th Aug. 1892.
<i>Furlough for one year, from 5th November 1892.</i>				
...	Asst. Supdt., 1st grade, attached to No. 21 Party (Upper Burma)	30th Oct. 1893	.....	...

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	.....	...
<i>Subsidiary leave for 13 days, from 7th November 1879.</i>				
<i>Sick leave to Europe for 1 year 1 month and 13 days, from 20th November 1879.</i>				
Sind . . .	Asst. Supdt., 5th grade, Sind Rev. Survey	1st Aug. 1880	.....	...
<i>Subsidiary leave, from 3rd January 1881.</i>				
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	.....	...
<i>Privilege leave for 3 months, from 3rd August 1885, and overstayed it by 4 days, from 3rd November 1885.</i>				
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	.....	...
<i>Privilege leave for 2 months and 28 days, from 21st September 1888.</i>				
<i>Relinquished charge of his duties in the Bombay Revenue Survey Department on the 18th February 1891 (afternoon).</i>				
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. <i>pro tem.</i>) ditto	5th Apl. 1892.	.....	...
<i>Medical leave to Europe for 15 months, from 19th May 1892. Extension for 7 months and 16 days; further extension for 2 months and 26 days without pay.</i>				
...	Asst. Supdt., 1st grade (confirmed)	1st July 1892	.....	...
Calcutta	Ditto ditto attached to Head-quarters Office	30th June 1894	.....	...

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	.....	...
<i>Relinquished charge of his duties in the Bombay Revenue Survey on the 18th February 1891 (afternoon).</i>				
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.
<i>Services placed at the disposal of the Foreign Department, from 4th August 1891.</i>				
...	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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Asst. Supdt., 2nd grade . . .	...	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	...	...
...	Ditto ditto . . .	...	Dy. Supdt., 2nd grade	1st Oct. 1893.
...	Ditto ditto . . .	18th Oct. 1893	.....	...

*Services replaced at the disposal of the Revenue and Agricultural Department, from 24th June 1894
Furlough for one year, from 29th June 1894.*

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.	.....	...

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. 1325 P., dated 5th December 1879.

Bombay	Asst. Supdt., 5th grade, Poona and Nasik Revenue Survey . . .	16th Oct. 1883	.....	...
Ditto	Ditto, 4th grade . . .	16th Oct. 1884	.....	...

Privilege leave for 2 months, from 27th April 1885.

Privilege leave for 3 months, from 1st August 1887.

Bombay	Asst. Supdt., 3rd grade, Poona and Nasik Revenue Survey . . .	16th Oct. 1887
--------	---	----------------	-------	-----

Privilege leave for 2 months and 17 days, from 4th April 1890.

Bombay	Asst. Supdt., 2nd grade, Poona and Nasik Revenue Survey . . .	16th Oct. 1890
--------	---	----------------	-------	-----

Relinquished charge of his duties in the Bombay Revenue Survey Department on the 17th February 1891 (afternoon).

Calcutta	Asst. Supdt., 2nd grade, Survey of India, Head-quarters Office	18th Feb. 1891
----------	--	----------------	-------	-----

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Rangoon	Asst. Supdt., 2nd grade, Survey of India 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 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	.....	...
Mandalay	Ditto, attached to No. 3 Party (Mandalay)	24th Nov. 1892	.....	...
Ditto	Ditto ditto	.....	In temporary charge No. 12 Party (Magwe)	24th Sept. 1893.
Ditto	Ditto ditto	.....	Dy. Supdt., 2nd grade, ditto	1st Oct. 1893.
Ditto	Ditto ditto	18th Oct. 1893	.....	...
<i>Medical leave for 6 months, from 20th April 1894.</i>				

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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Lower Provinces.	Asst. Surveyor, 1st grade, 4th Divn., Lower Provinces .	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	.....	...
Burma .	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>				
Rangoon .	Asst. Supdt., 1st grade, attached to No. 7 Party (Amherst) .	17th Sept. 1893	.....	...
Mandalay .	Ditto ditto in charge No. 12 Party (Magwe)	17th Apl. 1894	.....	...

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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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	...
Ditto	Ditto, 1st grade, in charge ditto	3rd Dec. 1893	.....	...

Morice, Lieut. Cuthbert Charles Duguid, R.E.—Joined the service, 18th February 1886; arrived, 6th April 1890.

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>				
Poona	Asst. 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.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Delhra Dún	Asst. Supdt., 2nd grade, Survey of India, attached to Computing Party	22nd Mar. 1893	Asst. Supdt., 1st grade	...
Poona	Ditto, attached to No. 25 Party, Tidal and Levelling Operations	1st July 1893	Ditto ditto	...
Ditto	Ditto ditto, in charge ditto	10th July 1893	Ditto ditto	...
Ditto	Ditto ditto, attached to ditto	4th Oct. 1893	Ditto ditto	...
<i>Privilege leave for 2 months, from 2nd April 1894.</i>				
...	Asst. Supdt., 1st grade	28th Apl. 1894	.....	...
Poona	Ditto ditto, attached to No. 25 Party, Tidal and Levelling Operations	2nd June 1894	.....	...

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>Privilege leave for 3 months and 1 day, from 14th July 1893.</i>				

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Poona	Asst. Supdt., 2nd grade, attached to No. 10 Party (Bombay)	15th Oct. 1893	Asst. Supdt., 1st grade	...
Ditto	Ditto, 1st grade, (sub. <i>pro tem.</i>)	8th May 1894	.....	...
Ditto	Ditto ditto in charge	16th May 1894	.....	...
Ditto	Asst. Supdt. 2nd grade, ditto	24th June 1894	Asst. Supdt., 1st grade	24th June 1894.
<i>War Services.</i> —Served under General Wolseley, C.B., A.D.C., in the Wuntho Expedition, from 15th February to 31st May 1891; mentioned in Despatches. Burma Medal with clasp, 1889—92.				
.				
.				

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	.....	...
Barr Banki	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	th Oct. 1890	.....	...
...	Asst. Engr., 1st grade	30th Nov. 1890	.....	...
Aligarh	Ditto ditto	15th May 1891	.....	...

Privilege leave for 3 months, from 17th August 1891.

Simla	Asst. Supdt., 2nd grade, Survey of India, attached to No. 18 Party (Himalaya)	29th Nov. 1891
-------	---	----------------	-------	-----

Privilege leave for 20 days, from 27th June 1892.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
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.
Mandalay	Ditto ditto No. 11 Party (Upper Burma)	1st Oct. 1893	Ditto ditto	...

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 8 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	.....	...
<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 Provinces	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 Provinces	20th Oct. 1871	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Delhi . . .	Asst. Surveyor, 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 Division, Gurgoon Survey" . . .	1st April 1875	.....	...
Ditto . . .	Ditto, 3rd grade, 2nd Division, afterwards called "Sirsa and Rohtak District Survey" . . .	1st Jan. 1878	.....	...
Calcutta . . .	Surveyor on duty, Head-quarters Office . . .	1st April 1878	.....	...
Burma . . .	Ditto, British Burma Survey . . .	1st Jan. 1879	.....	...

Privilege leave for 3 months, from 27th June to 26th September 1879.

Calcutta . . .	Surveyor, 3rd grade, on duty Head-quarters Office . . .	27th Sept. 1879	.....	...
Jaunpore . . .	Ditto, No. 6 Party, Jaunpore Survey . . .	18th Oct. 1879	.....	...
Calcutta . . .	Ditto, Hooghly River Survey . . .	1st Nov. 1881	.....	...
Ditto . . .	Ditto, 2nd grade, ditto . . .	23rd Sept. 1883	.....	...
Assam . . .	Ditto, No. 6 Party, Assam . . .	1st Oct. 1883	.....	...
Busti . . .	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 temporary 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 Detachment . . .	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 Detachment . . .	5th July 1892	Ditto . . .	...

Privilege leave for 2 months and 16 days, from 16th August 1892.

Made over charge of Bihar Detachment, 12th August 1892.

Bihar . . .	Asst. Supdt., 2nd grade, attached to Nos. 4 and 5 Party (Bihar) . . .	28th Oct. 1892	Asst. Supdt., 1st grade . . .	...
Ditto . . .	Ditto ditto ditto . . .	...	Ditto ditto, in temporary charge Nos. 4 and 5 Party (Bihar) . . .	3rd July 1892.
Ditto . . .	Ditto ditto ditto . . .	5th Sept. 1893	Asst. Supdt., 1st grade . . .	...
Ditto . . .	Ditto ditto ditto . . .	6th Nov. 1893	.....	...
Ditto . . .	Ditto ditto ditto . . .	...	Asst. Supdt., 1st grade . . .	3rd Dec. 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Bihar . . .	Asst. Supdt., 2nd grade, attached to Nos. 4 and 5 Party (Bihar)	13th Jan. 1894	.....	...
Ditto . . .	Ditto ditto ditto . . .	...	Asst. Supdt., 1st grade	3rd Apl. 1894.

Pilcher, Lieutenant Arthur James, R.E.—Joined the service, 18th February 1886; arrived, 4th January 1890.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
	Lieutenant, Royal Engineers . . .	18th Feb. 1886	.....	...
<i>On duty at Royal Engineering Establishment, Chatham, from 10th April 1886 to June 1889.</i>				
Chatham . . .	Lieut., 39th (Sub-Marine Mining) Co., R. E. . . .	20th June 1889	.....	...
...	Posted to the Indian Establishment	4th Dec. 1889	.....	...
Rangoon . . .	Asst. Engr., 2nd grade, Mily. Works Dept.	4th Jan. 1890	.....	...
Ditto	Asst., Sub-Marine Mining Officer	5th Jan. 1890	.....	...
Ditto	Asst. Engr., 1st grade, Mily. Works Dept.	20th June 1890	.....	...
Ditto	Ditto, in charge Sub-Marine Defences	26th Jan. 1891	.....	...
Calcutta . . .	Ditto Ditto	3rd Jan. 1892	.....	...
Bihar	Asst. Supdt., 2nd grade, Survey of India, attached to No. 4 Party (Western Duars) . . . .	...	.....	...
Ditto	Ditto ditto	16th July 1892	.....	...
Ditto	Ditto ditto (Bihar)	1st Oct. 1892	In charge Bihar Detachment	12th Aug. 1892.
...	Ditto ditto . . . . .	...	.....	...
Mussorie . . .	Ditto attached to No. 24 Party (Upper Burma)	6th Sept. 1893	Asst. Supdt., 1st grade	16th July 1893.
Burma	Ditto ditto	5th Nov. 1893	Ditto ditto	...
Ditto	Ditto ditto . . . . .	...	.....	...
			Asst. Supdt., 1st grade	8th April 1894.

Leave out of India, (p.a.) for 4 months, from 16th June 1894.

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 1895 to 24th August 1886.</i>				
...	Lieut., Wiltshire Regt.	25th Aug. 1886	.....	...
...	Apptd. to the Bengal Staff Corps	14th Mar. 1888	Wing Officer (on probation), 31st Punjab Infy.	14th Mar. 1888.
...	Ditto ditto . . . . .	...	Ditto and Qr. Mr., ditto	14th Apl. 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<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 (on probation), Survey of India, attached to Head-quarters Office.	28th Sept. 1892	.....	...
Bihar	Ditto ditto, attached to No. 4 Party (Bihar)	1st Nov. 1892	.....	...
<i>Medical leave for 2 months, from 10th May 1893.</i>				
Ditto	Asst. Supdt., 1st grade (confirmed) attached to No. 4 Party (Bihar)	28th Sept. 1893	Asst. Supdt., 1st grade	28th Sept. 1893.
Ditto	Ditto ditto, attached to Nos. 2 and 8 Party (Bihar)	1st Oct. 1893	Ditto ditto	...
Ditto	Ditto ditto ditto	1st Nov. 1893	.....	...
Ditto	Ditto ditto ditto	...	Ditto ditto	28th Apl. 1894.
<i>War Services.</i> —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 Trigl. Survey of India	1st Aug. 1859	.....	...
Dehra Dún and Kashmir.	Sub-Asst., 3rd class, Kashmir Series	1st Feb. 1860	.....	...
Punjab and Dehra Dún.	Sub-Asst., 3rd class, Gurbagarh Meridional Series	1st Nov. 1890	.....	...
Central India and Mussorie.	Ditto ditto 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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<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 Jan. 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 Trigl. Survey	1st Apl. 1870.
Ditto .	Surveyor, 4th grade . . .	1st Apl. 1871.	Ditto ditto	...
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>				
Ditto .	Surveyor, 2nd grade, Dehra Drawing Office . . .	7th Jan. 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.
Ditto .	Ditto, attached to ditto . . .	14th Aug. 1893	Ditto ditto . . .	...
Ditto .	Ditto ditto . . .	30th Oct. 1893	.....	...
Ditto .	Ditto, in charge ditto . . .	16th Nov. 1893	.....	...
Ditto .	Ditto, attached to ditto . . .	13th Apl. 1894	.....	...
Ditto .	Ditto ditto . . .	...	Asst. Supdt., 1st grade	8th May 1894.

Macaulay, Lieut. Percy John Frederick, R. E.—Joined the service, 24th July 1886 ; arrived, 24th October 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers . . .	24th July 1886	.....	...
<i>On duty at the Royal Engineering Establishment, Chatham from,</i>				
...	Posted to the Indian Establishment . . .	25th Sept. 1888	.....	...
Ferozepore .	Attached to the Military Works Department . . .	30th Nov. 1888	.....	...
Simla . . .	Asst. Engineer, 2nd grade, P. W. Department, Railways	14th Apl. 1889	.....	...
<i>On Language leave, from 30th June to 26th September 1890.</i>				
...	Attached to Zhob Valley Railway Survey . . .	Oct. 1890	.....	...
<i>Privilege leave for 3 months, from 23rd August 1891.</i>				
...	Asst. Engineer, 1st grade, P. W. Department, Railways	Mar. 1893	.....	...
...	Ditto ditto Asst. Eng., 2nd grade ditto (new grading)	...	Ex. Engr., 4th grade.	May 1893.
...	Asst. Supdt., 2nd grade, Survey of India, attached to No. 15 Party (Baluchistan)	17th Mar. 1894	.....	...

Robertson, Lieut. Charles Lonsdale, R. E.—Joined the service, 24th July 1886 ; arrived, 24th October 1888.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
...	Lieut., Royal Engineers . . .	24th July 1886	.....	...
...	Posted to the India Establt. Bombay Sappers and Miners .	25th Sept. 1888	.....	...
...	Attached to the Office of Insp. Genl., Mily. Works . . .	24th Oct. 1888	.....	...
...	Attached to Mily. Works Dept., Sukkur Defences	11th June 1889	.....	...
Sukkur	Asst. Engr., 2nd grade, Mily. Works Dept. . . .	30th July 1889	.....	...
Quetta	Ditto 1st grade, ditto	13th Dec. 1890	.....	...
Ditto	Ditto ditto	11th Mar. 1891	.....	...
Ditto	Ditto ditto	...	Executive Engineer, 4th grade.	8th Apl. 1893.
<i>Privilege leave for 2 months and 21 days, from 11th February 1894.</i>				
Ditto	Ditto ditto	1st Mar. 1894	.....	...
Ditto	Ditto ditto	...	Executive Engineer, 4th grade.	7th Mar. 1894.
Ditto	Asst. Supdt., 2nd grade, Survey of India attached to No. 15 Party (Baluchistan)	3rd May 1894	.....	...

JUNIOR DIVISION.

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, Head-quarters Office	18th Aug. 1892	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Privilege leave for 2 months and 25 days, from 11th April 1893.</i>				
Calcutta	Extra Asst. Supdt., 1st grade, and Chief Draftsman, Headquarters Office	6th July 1893	.....	...
	Extra Asst. Supdt., 1st grade	1st Apl. 1894	.....	...
<i>Furlough for 1 year 7 months and 24 days, from 1st April 1894.</i>				

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	.....	...
Ditto	Ditto, 1st grade, ditto	18th Dec. 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	.....	...

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
Shillong	Extra Asst. Supdt., 1st grade	...	In temporary charge, No. 6 Party (Assam)	29th Apl. 1893.
Ditto	Ditto, 2nd grade	23rd May 1893	Ditto ditto	...
Poona	Ditto ditto, attached to No. 10 Party (Bombay)	26th Nov. 1893	.....	...

Privilege leave for 1 month, from 1st May 1894.

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, 1st grade, ditto	8th Nov. 1892	.....	...
Ditto	Ditto, 2nd grade, ditto	23rd May 1893	.....	...
Ditto	Ditto ditto ditto	...	Head Draftsman, Head-quarters Office	15th July 1893.
Ditto	Ditto ditto ditto	15th Oct. 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	.....	...
Ditto .	Ditto, 2nd grade, ditto	25th Nov. 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	.....	...
Ditto .	Ditto, 2nd grade, ditto	18th Dec. 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>				
Kumtee .	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.
<i>Made over charge of No. 9 Party on 14th September 1893.</i>				

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.

Station.	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	.....	...
D.napore	Ditto ditto, attached to Nos. 4 and 5 Party (Bihar)	1st Nov. 1892	.....	...
Ditto	Ditto ditto, 3rd grade, ditto	23rd May 1893	.....	...
<i>Privilege leave for 2 months, from 7th August 1893.</i>				

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	...
Ditto	Ditto ditto ditto	6th July 1893	.....	...
<i>Privilege leave for 3 months, from 15th July 1893.</i>				
Calcutta	Extra Asst. Supdt., 3rd grade, and Chief Draftsman, Headquarters Office	1st Apl. 1894	.....	...

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>				
Nimar .	Extra Asst. Supdt., 2nd grade, attached to No. 14 Party (Nimar)	18th Aug. 1892	.....	...
Ditto .	Ditto, 3rd grade, ditto	23rd May 1893	.....	...
Ditto .	Ditto ditto . . .	...	In temporary charge No. 14 Party (Nimar)	3rd Apl. 1894.
Mussoorie .	Ditto ditto attached to ditto . . .	14th May 1894	.....	...

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	.....	...
Calcutta .	Ditto, ditto attached to Nos. 2 and 8 Party (Bengal)	1st Oct. 1893	.....	...
<i>Privilege leave for 3 months, from 16th November 1893.</i>				
...	Extra Asst. Supdt., 3rd grade	25th Nov. 1893	.....	...
Bihar . . .	Ditto, ditto attached to Nos. 4 and 5 Party (Bihar)	18th May 1894	.....	...

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>				
Bihar	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	.....	...
Ditto	Ditto, 3rd grade, ditto	18th Dec. 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 (Bombay)	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	.....	...
<i>Privilege leave for 3 months, from 10th July 1893.</i>				
<i>Furlough for 3 months, from 24th October 1893.</i>				
Simla	Extra Asst. Supdt., 4th grade, attached to Simla Drawing Office	24th Jan. 1894	.....	...

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	.....	...
Bihar	Ditto, ditto, attached to Nos. 2 and 8 Party (Bihar)	1st Oct. 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, Head-quarters Office	18th Aug. 1892	.....	...
Ditto	Ditto, 4th grade, ditto	23rd May 1893	.....	...
Mandalay	Ditto ditto, attached to No. 21 Party (Upper Burma)	1st Nov. 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	.....	...
Ditto	Ditto, 4th grade, ditto	18th Dec. 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	.....	...
Ditto .	Ditto ditto ditto attached to No. 17 Party (Bombay Forest)	13th Nov. 1893	.....	...
Ditto .	Ditto ditto ditto	...	In temporary charge No. 17 Party (Bombay Forest)	28th Apl. 1894.
Ditto .	Ditto ditto ditto	11th May 1894	.....	...

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 (Hurma)	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, attached to Head-quarters Office	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, Richard 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	.....	...
Ditto	Ditto ditto, in charge Orissa Detachment . . .	1st Oct. 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 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>				
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, attached to Anglo-Siamese Boundary Commission	1st Dec. 1892	.....	...
Bangalore	Ditto ditto, 4th grade, attached to No. 11 Party (Upper Burma)	1st May 1893	.....	...
Ditto	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	.....	...
Ditto	Ditto ditto, attached to Nos. 2 and 8 Party (Bengal)	1st Oct. 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	.....	...
Bihar	Ditto ditto, attached to Nos. 4 and 5 Party (Bihar)	1st Oct. 1893.	.....	...

*Under suspension from 15th May 1894.***Cusson, Geoffrey D'Esteval.**—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	Ditto and Draftsman, Head-quarters Office	2nd June 1893	.....	...
Ditto	Extra Asst. Supdt., 5th grade, and Draftsman, Head-quarters Office	6th July 1893	.....	...
Ditto	Ditto ditto ditto	1st Nov. 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	.....	...
Ditto	Ditto, 5th grade, ditto.	25th Nov. 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	.....	...
Ditto	Ditto, 5th grade, ditto.	18th Dec. 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	...	...
Ditto	Ditto, ditto, 5th grade, ditto	18th Dec. 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	.....	...
<i>Privilege leave for 1 month and 23 days, from 11th June 1894.</i>				

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	.....	...
Ditto	Ditto, ditto, attached to Nos. 2 and 8 Party (Bengal)	1st Oct. 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>				
Shillong	Extra Asst. Supdt., 4th grade, attached to No. 6 Party (Assam)	18th Aug. 1892	.....	...
Calcutta	Ditto, attached to Headquarters Office	10th Nov. 1892	.....	...
Ditto	Ditto ditto, 6th grade, ditto	23rd May 1893	.....	...
<i>Privilege leave for 20 days from 1st November 1893.</i>				
Mandalay	Extra Asst. Supdt., 6th grade, attached to No. 3 Party (Shwebo)	1st Dec. 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 Headquarters 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	.....	...
Calcutta	Ditto ditto attached to Headquarters Office	1st Oct. 1893	.....	...
Bihar	Ditto ditto, attached to Nos. 2 and 8 Party (Bihar)	1st Nov. 1893	.....	...
<i>Privilege leave for 2 months and 19 days, from 19th April 1894.</i>				

Barckley, William Cyclone Groome.—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>Suspended from office for 3 days in May 1893.</i>				
Ditto	Extra Asst. Supdt., 6th grade, attached to No. 21 Party (Upper Burma)	23rd May 1893	.....	...
Calcutta	Ditto ditto, attached to Head-quarters Office	19th Oct. 1893	.....	...
<i>Privilege leave for 24 days, from 28th May to 20th June 1894.</i>				
Ditto	Extra Asst. Supdt., 6th grade, attached to Head-quarters Office	21st June 1894	.....	...

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	.....	...
Bihar	Ditto ditto, attached to Nos. 2 and 8 Party (Bihar)	1st Oct. 1893	.....	...

Vander-Béek, 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	.....	...
Bihar	Ditto ditto, attached to Nos. 2 and 8 Party (Bihar)	1st Oct. 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	.....	...
<i>Privilege leave for 1 month, from 12th July 1893.</i>				
Ditto	Extra Asst. Supdt., 6th grade, attached to No. 19 Party (Madras)	12th Aug. 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	.....	...
Amherst	Ditto ditto, attached to No. 7 Party (Amherst)	17th Apl. 1894	.....	...

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	.....	...
Bihar	Ditto ditto, attached to Nos. 2 and 8 Party (Bihar)	1st Oct. 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	.....	...

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>				
Poona	Extra Asst. Supdt., 6th grade, attached to No. 10 Party (Bombay)	23rd May 1893	.....	...
<i>Privilege leave for 3 months, from 1st March 1894.</i>				

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 28 days, from 19th 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	.....	...
Calcutta	Ditto ditto, attached to Head-quarters Office	1st Jan. 1894	.....	...
Ditto	Ditto ditto, attached to Nos. 2 and 8 Party (Bengal)	16th Jan. 1894	.....	...

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	.....	...

Prunty, Patrick Fitzroy.—Joined the service, 24th October 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 24th October 1893.</i>				
Mussoorie	.....	...	Extra Asst. Supdt., 6th grade, attached to No. 24 Party (Upper Burma)	24th Oct. 1893.
Karachi	Extra Asst. Supdt., 6th grade, attached to No. 24 Party (Upper Burma)	15th Nov. 1893	...	...
<i>Privilege leave for 1 month, from 7th June 1894.</i>				

White, Patrick.—Joined the service, 15th November 1893.

Station.	Substantive Appointment.	Date.	Officiating Appointment.	Date.
<i>Held non-gazetted appointments prior to 15th November 1893.</i>				
Rangoon	.....	...	Extra Asst. Supdt., Cth grade, attached to No. 20 Party (Burma)	15th Nov. 1893.
Ditto	Extra Asst. Supdt., 6th grade, attached to No. 20 Party (Burma)	25th Nov. 1893	.....	...

