

LIST OF OFFICERS
IN
THE SURVEY OF INDIA DEPARTMENT

CORRECTED TO

1st JANUARY 1893.



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

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

SURVEY OF INDIA DEPARTMENT.

INDEX.

	Page		Page
A		D	
Abdul Wahid	26 ...	Collins, W. T.	26 ...
Adams, W. F. E.	18 38 ...	Connor, E. J.	0 0 ...
Adels, J. R.	25 ...	Connor, J.	10 30 ...
Amba Prasad	28 ...	Cooke, G. H.	4 44 ...
Atkinson, G. W. E.	6 24 ...	Cornelius, W. J.	12 24 ...
Aulad Hussein	18 40 ...	Crichton, Lieut. R. T.	8 32 ...
		Cusson, G. D.	12 23 25
B		E	
Babonau, T. W.	25 ...	Earle, E.	26 ...
Babonau (Jr.), T. W.	16 32 ...	Eccles, J.	6 23 ...
Baker, W. J.	18 30 ...	Erskine, C. F.	6 44 ...
Banerjee, Bance Madhub	25 ...	Ewing, A.	16 38 ...
Banerjee, Kali Pudo	25 ...	Ewing, R. C. D.	12 32 ...
Banerjee, Sham Lal	28 ...	Ewing, W. H. D.	16 30 ...
Barckley, W. C. G.	12 38 ...		
Barker, J. A.	10 38 ...	F	
Barker, J. P.	16 32 ...	Fielding, W. A.	14 38 ...
Barrett, E. C.	2 32 ...	Fleming, Capt. J. M.	6 30 ...
Bateman, A. S.	26 ...	Fraser, Lieut. H. A. D.	6 34 ...
Bedford, N.	16 30 ...	Freeman, J. A.	18 34 ...
Beechey, P.	16 44 ...	Freeman, T. F.	12 42 ...
Belcham, G.	8 40 ...	Fulford, J.	26 ...
Bell, F. S.	18 34 ...		
Belletty, M. C.	27 ...	G	
Berkeley, E. F.	16 32 ...	Gasper, C. S.	18 32 ...
Berkeley, L. F.	16 30 ...	Gastaud, M.	16 32 ...
Berkeley, M. F.	18 30 ...	George, A.	16 34 ...
Biggie, H. W.	18 34 ...	George, C.	16 34 ...
Bolton, T.	27 ...	George, R.	28 ...
Bond, J.	10 40 ...		
Burbridge, J.	29 ...		
Burn, Lieut. J. M.	6 40 ...		
Burrard, Capt. S. G.	4 40 ...		
Buttress, W. S.	8 34 ...		
Bythell, Capt. W. J.	6 34 ...		
C			
Campagnac, W.	27 ...		
Campbell, D.	14 36 ...		
Campbell, G.	12 30 ...		
Charrier, H. A.	18 38 ...		
Chatterjee, Cally Coomar	28 ...		
Chatterjee, Nilmoni	18 32 ...		
Christie, A.	8 23 ...		
Chunder, Ram Kristo	25 ...		
Claudius, T. E. M.	10 36 ...		
Close, Capt. C. F.	6 40 ...		
Coard, A. R.	26 ...		
Coard, S. M.	26 ...		

	Page
Ghose, Cally Mohun	28
Ghose, Doorga Narain	25
Gibson, A. J.	8 32
Gilbert-Cooper, B. G.	6 44
Gordon, Capt. P. J.	6 44
Gore, Major St. G. C.	4 38
Gray, C. O.	25
Green, W.	25
Greiff, J. O.	18 36
Guthrie, C. F.	9
Gwynne, N. C.	10 36

H

Haddock, J. A. T.	18 44
Hall, G. T.	12 30
Hamer, C. F.	10 38
Hanby, H. T.	8 30
Hanby, H. H. B.	18 30
Harrold, J.	27
Haward, H.	28
Hickie, J.	12 40
Higgs, J. A.	16 42
Hill, E. P. S.	14 44
Hill, Lt.-Col. J.	2 40
Hira Singh, Rai Bahadur	18 36
Hobday, Major J. R.	4 34
Hodgson, Capt. G. B.	4 30
Holdich, Bt.-Col. T. H.	2 36
Hughes, B. R.	16 36
Hughes, B. V.	29
Hutchinson, Col. H. S.	2 36

I

Imam Sharif, Khan Bahadur	18 44
-------------------------------------	--------------

J

Jackson, E. J.	4 38
Jackson, Capt. H. M.	4 44
James, A. J.	10 23 26
James, A. W. N.	26
Jarbo, G. W.	12 32
Johnson, C. H. G.	18 34
Johnson, W. E.	16 34

K

Keating, J.	14 36
Keelan, H. E. T.	8 42
Kelly, W. M.	14 34
Kennedy, J. M.	16 38
Kitchen, A.	14 24
Kitchen, H. T.	12 36
Knight, G. A.	14 34
Kraal, C. S.	14 32

L

Lagnier, L.	28
Lawson, A. M.	8 36
Lee, C. G.	18 30

	Page
LeFrane, E. A.	28
Lenox-Conyngham, Lt. G. P.	6 40
Lepage, H. L.	27
Litchfield, E. F.	6 44
Litchfield, C.	18 44
Little, E. G.	8 34
Littlewood, H. R.	6 32
Lloyd, T.	28
Longe, Capt. F. B.	4 44

M

Mackenzie, B.	28
Mackenzie, J. B.	28
Mackenzie, Capt. R. J. H. L.	6 36
Madras, S. O.	12 32
Manuel, J. S.	29
Marshall, F.	27
Marten, J.	16 44
Marten, T. S.	14 44
Martin, E. J.	12 23
McA'Fee, C. H.	10 23
McCullagh, Lt.-Col. J. R.	2 38
McHatton, J.	12 30
Mills, T. J. J.	16 38
Milne, T. A.	25
Mizaji Lal	28
Mookerjee, Ambica Churn	27
Mookerjee, Tarapodo	28
Moore, W.	28
Morice, Lt. C. C. D.	6 40
Murphy, J.	14 32
Murphy, J. H.	18 42
Musgrove, A. J.	25
Musgrove, L. H.	26
Muttyulla	26

N

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

O

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

P

Parker, G. E.	12 44
Patterson, W. H.	4 34
Pemberton, J. S.	6 30
Penrose, W. H.	12 23
Peters, P. A.	14 44
Peysters, H. W.	8 23
Pilcher, Lt. A. J.	6 30
Pocock, L. J.	8 23 25
Pope, T. Archdale.	6 24

	Page
Potter, C. D.	10 38 ...
Powell, F. B.	18 32 ...
Powell, H. B.	18 30 ...
Price, W. C.	32 ...
Pruty, P. F.	14 38 ...
R	
Rae, G.	1 34 ...
Rahmatulla	18 36 ...
Ravenscroft, S. U.	27 ...
Rendell, T. H.	10 40 ...
Renny-Tailyour, Capt. T. F. B.	6 38 ...
Reynolds, W. H.	4 44 ...
Robert, W.	12 38 ...
Rodger, T. B.	26 ...
Rogers, Lt.-Col. M. W.	2 24 ...
Rozario, F.	29 ...
Ryder, Lt. C. H. D.	6 38 ...
S	
Saha, Shiv Nath	28 ...
Sandeman, Lt.-Col. J. E.	2 22 ...
Scallan, F. R. C.	26 ...
Scott, G. B.	6 30 ...
Scott, J. R.	12 44 ...
Sen, Hari Hur	26 ...
Sen, Sarat Chunder	18 42 ...
Senior, R. W.	16 38 ...
Serrao, P. J.	16 30 ...
Seyers, C. W. F.	12 23 ...
Shaw, H. G.	15 34 ...
Shaw, Joy Kristo	26 ...
Shaw, Mohesh Chunder	26 ...
Shaw, T.	12 30 ...
Shome, Shoshi Bhooshun.	28 ...
Shome, Umbica Churn	28 ...
Sinclair, R.	26 ...
Sindon, H.	29 ...
Skilling, W.	16 42 ...
Smart, A. B.	16 30 ...
Smart, A. W.	14 32 ...
Smart, O. D.	16 30 ...
Smart, P. C. H.	16 30 ...
Smart, R. B.	10 30 ...
Smith, J.	16 32 ...
Smylie, S. M.	8 23 25
Spring, A. E.	6 30 ...
Stotesbury, W.	10 34 ...
Strahan, Lt.-Col. C.	2 22 ...
Strahan, Col. G.	2 23 ...
Swiney, G. C.	12 44 ...
Swiney, J. S.	12 34 ...
Symonds, Lt. C. W. H.	6 30 ...

	Page
T	
Tapsell, C.	10 34 ...
Tate, G. P.	16 36 ...
Thuillier, Col. H. R.	2 22 ...
Todd, H.	10 38 ...
Todd, R.	14 38 ...
Todd, W.	8 34 ...
Torrens, C. P.	12 44 ...
Tulloch, W. R.	27 ...
Turner, A. W.	27 ...
V	
Vallis, H. R.	25 ...
Vallis, J. A.	25 ...
Vander Beek, G.	14 30 ...
Vandyke, F. R.	28 ...
Vaughan, P. K.	18 30 ...
W	
Wahab, Capt. R. A.	4 24 ...
Wainright, E. A.	12 36 ...
Walker, G. C.	25 ...
Walsh, F. P.	18 30 ...
Warde, F. E.	18 24 ...
Ware, T. E.	25 ...
Warwick, R. F.	16 44 ...
Waterhouse, Col. J.	2 24 ...
Wells, W. M.	26 ...
White, P.	14 44 ...
Wilkins, Col. W. H.	2 23 42
Wilmer, Col. J. R.	2 36 ...
Wilson, A. J.	8 42 ...
Wilson, B. M.	16 24 ...
Wilson, C. W.	12 23 ...
Wilson, W. A.	8 38 ...
Wood, C.	6 32 ...
Wood, C. G. S.	18 30 ...
Woodthorpe, Col. R. G.	4 24 ...
Wyatt, A. G.	8 23 ...
Y	
Yusuf Sharif, Khan Bahadur	18 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 January 1893.
		Administrative Staff.						Y. M. D.
1	1	Col. H. R. Thullier, B.E.	G. T. S.	PH.	26 3 38	May 21, 1859	Feb. 19, 1887	. . .
1	1	Lt.-Col. C. Strahan, B.E.	Topogl.	. . . .	6 5 43	Sep. 26, 1863	Apl. 2, 1891	. . .
1	1	Col. G. Strahan, B.E.	Topogl.	PH.	5 2 39	July 2, 1862	Oct. 12, 1889	. . .
1	1	Lt.-Col. J. E. Sandeman, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1892	. . .
1	1	Col. W. H. Wilkins, I.S.O.	. . . .	. . . .	. . . .	. . . .	Oct. 10, 1890	. . .
2	2	Col. J. Waterhouse, I.S.O.	. . . .	. . . .	. . . .	. . . .	Apl. 1, 1874	. . .
3	3	Lt.-Col. M. W. Rogers, B.E.	. . . .	. . . .	. . . .	. . . .	May 7, 1889	. . .
		SENIOR DIVISION.						
		Superintendents.						
		1st Grade.						
		<i>Salary R1,600.</i>						
3	1	Col. W. H. Wilkins, I.S.O.	Rev.	PH.	6 10 41	Apl. 27, 1863	Feb. 19, 1891	. . .
	2	Lt.-Col. J. E. Sandeman, I.S.O.	Rev.	PH.	2 9 43	Oct. 6, 1864	Mar. 31, 1891	. . .
	3	Bt.-Col. T. H. Holdich, B.E.	Topogl.	LS.	16 2 43	July 23, 1866	Apl. 2, 1891	. . .
		2nd Grade.						
		<i>Salary R1,300.</i>						
8	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. R. McCullagh, B.E.	G. T. S.	LS.	25 3 42	Feb. 12, 1869	Dec. 10, 1890	. . .
	5	Col. J. R. Wilmer, I.S.O.	Topogl.	HS.	20 1 41	Aug. 24, 1869	Feb. 19, 1891	. . .
	6	Col. H. S. Hutchinson, I.S.O.	Rev.	PH.	25 4 40	Aug. 13, 1867	Oct. 13, 1891	. . .
	7	E. C. Barrett	Rev.	HS.	14 4 43	Dec. 30, 1868	Oct. 13, 1891	28 7 16
	8	Vacant	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .

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

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

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	<i>R a. p.</i>			
1	3,000 0 0	. . . . .	Surveyor-General of India.	
1	2,200 0 0	. . . . .	Deputy Surveyor-General, in charge, Revenue Branch.	
1	2,000 0 0	. . . . .	Deputy Surveyor-General, in charge, Trigonometrical Branch, Dehra Dun.	
1	2,000 0 0	. . . . .	Director, Bengal Surveys.	
1	1,600 0 0	(a) Presidency, R60	Assistant Surveyor-General	In charge Engraving and Drawing Offices, Head-Quarters, Calcutta.
2	1,300 0 0	(b) Special, R200	Assistant Surveyor-General	In charge Lithographic and Photographic Offices, Head-Quarters, Calcutta.
3	1,543 8 0	(a) Presidency, R60	Assistant Surveyor-General	In charge Surveyor-General's and Mathematical Instrument Offices, Head-Quarters, Calcutta.
1	. . . . .	. . . . .	Head-Quarters, Calcutta.	
2	. . . . .	. . . . .	Head-Quarters, Calcutta.	
3	1,600 0 0	. . . . .	In charge No. 15 (Baluchistan).	
1	. . . . .	. . . . .	Head-Quarters, Calcutta.	
2	. . . . .	. . . . .	Head-Quarters, Calcutta.	
3	1,543 8 0	(c) Deputation, R100	In charge No. 25 (Tidal and Levelling).	
4	1,543 8 0	. . . . .	In charge No. 10 (Madras).	
5	1,300 0 0	. . . . .	In charge No. 14 (Nimar).	
6	1,300 0 0	. . . . .	In charge No. 17 (Bombay Forests).	
7	1,300 0 0	. . . . .	In charge No. 6 (Assam)	Joined the Junior Division, 18th November 1862. Sick leave for 1 month from 20th June 1869. Furlough from 27th August 1880 to 12th July 1882.
8	. . . . .	. . . . .	. . . . .

(a) Department of Agriculture, Revenue and Commerce memorandum No. 213, dated 14th May 1876.
 (b) Ditto of Agriculture, Revenue and Commerce memorandum No. 731, dated 31st October 1878.
 (c) Ditto of Revenue and Agriculture No. 519-81-1, dated 18th September 1884.

Classified List of Officers of the Senior Division, Survey of

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	*Period of service counting towards pension on 1st January 1893.
		SENIOR DIVISION —contd.						Y. M. D.
		Deputy Superintendents.						
		1ST GRADE. Salary R1,000.						
9	1	Supy. 1 Col. R. G. Woodthorpe, C.B., R.E.	Topogl.	LS.	23 9 44	July 14, 1871 June 5, 1892A	June 5, 1892	. . .
	2	G. H. Cooke	Rev.	I.S.	29 10 44	April 1, 1870	Aug. 12, 1889	24 5 6
	3	E. J. Jackson	Rev.	HS.	6 11 44	Nov. 5, 1868	Oct. 1, 1890	24 6 8
	4	Major St. G. C. Gore, R.E.	G. T. S.	. . . . .	24 2 49	Apl. 11, 1873	Oct. 31, 1890	. . .
	5	Major J. R. Hobday, I.S.C.	Topogl.	HS; Colloquial Burmese and LS Shan.	16 7 50	Sep. 11, 1874	Nov. 4, 1890	. . .
	6	Capt. F. B. Longe, R.E.	†	. . . . .	31 10 56	Mar. 15, 1880	Dec. 10, 1890	. . .
	7	Capt. R. A. Wahab, R.E.	†	HS; Hindi Urdu; HS Persian; LS Pushtu.	14 4 55	Jan. 8, 1883	Feb. 19, 1891	. . .
	8	W. H. Reynolds, R.E.	†	LS.	20 2 43	Oct. 24, 1890	Mar. 31, 1891	. . .
	9	W. H. Patterson	Rev.	I.S.	24 9 38	Jan. 22, 1883	Oct. 13, 1891	33 11 5
	10	Capt. H. M. Jackson, R.E.	†	HS.	27 3 58	June 11, 1883	Oct. 13, 1891	. . .
9		2ND GRADE. Salary R850.						
	1	Capt. G. B. Hodgson, I.S.C.	†	HS.	28 10 58	Sep. 12, 1883	May 5, 1889	. . .
	2	Capt. S. G. Burrard, R.E.	†	LS.	12 8 60	Sep. 2, 1884	June 28, 1889	. . .

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

India Department, as it stood on 1st January 1893—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
1	1,604 6 0	. . . . .	In charge No. 11 (Upper Burma).	Officiating Superintendent, 2nd grade.
2	. . . . .	. . . . .	. . . . .	On furlough for 18 months from 22nd May 1892. Joined the Junior Division, 6th December 1866. Furlough for 2 years from 22nd May 1890; extension for 12 days without pay.
3	1,000 0 0	. . . . .	In charge No. 20 (Burma).	Joined the Junior Division, 26th September 1864. Sick leave from 4th July to 3rd August, and from 19th August to 30th November 1867. Furlough to Europe, on medical certificate, from 30th July 1871 to 10th November 1872. Furlough to Europe from 1st May 1880 to 3rd December 1881, from 12th November 1885 to 23rd October 1886 and from 3rd August 1891 to 1st November 1892.
4	1,182 10 0	. . . . .	In charge No. 18 (Himalaya).	
5	1,000 0 0	. . . . .	In charge No. 10 (Bombay).	
6	. . . . .	. . . . .	. . . . .	On duty at Royal Engineering Establishment, Chatham.
7	1,140 0 0	(a) Presidency, R60	Head-Quarters, Calcutta.	
8	1,000 0 0	Staff, R100	On deputation, Forest Department.	Service in Forest Department from 1st January 1871 to 23rd October 1890.
9	1,000 0 0	(b) Upper Burma, R150.	In charge No. 12 (Mibu)	Leave on private affairs from 1st May to 31st August 1862, and to Europe from 20th July 1872 to 18th January 1873, and from 11th July 1879 to 2nd January 1880. Joined the Junior Division, 1st December 1851.
10	. . . . .	. . . . .	. . . . .	On furlough for one year from 18th July 1892.
1	1,000 0 0	. . . . .	In charge Nos. 4 and 5 (Bihar).	Officiating Deputy Superintendent, 1st grade.
2	1,140 0 0	. . . . .	In charge No. 22 (Astro.)	Ditto ditto.

(a) Department of Agriculture, Revenue and Commerce memorandum No. 213, dated 14th May 1878.
(b) Department of Finance and Commerce No. 756, dated 11th February 1890.

Classified List of Officers of the Senior Division, Survey of

No. sanctioned. No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promo- tion to the present grade.	Period of service counting towards pension on 1st January 1893.
SENIOR DIVISION —concl'd.							
Deputy Superintend- ents—concl'd.							
2ND GRADE—concl'd.							
3	G. B. Scott	Rev.	{ HS. LS. Burmese }	31 7 44	Nov. 10, 1884	Apl. 1, 1890	29 8 0
4	J. Eccles, M.A. . . . .	†	. . . . .	9 9 57	May 30, 1885	Dec. 10, 1890	7 7 2
5	Capt. J. M. Fleming, I.S.C.	†	{ HS. and LS. Persian }	12 8 58	July 3, 1885	Feb. 19, 1891	. . . . .
6	T. Archdale Pope	†	{ Telugu, Ta- mil. }	21 6 58	Oct. 1, 1886	Mar. 31, 1891	6 3 0A
7	Capt. T. F. B. Renny- Tailleur, R.E. . . . .	†	. . . . .	8 6 63	Apl. 1, 1888	Oct. 13, 1891	. . . . .
8	Capt. R. J. H. L. Mackenzie, R.E. . . . .	†	. . . . .	15 4 63	Mar. 26, 1888	Oct. 13, 1891	. . . . .
9	Vacant . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
Assistant Superin- tendents.							
1ST GRADE. Salary R600.							
1	Capt. W. J. Bythell, R.E. . . . .	†	. . . . .	9 9 62	May 29, 1889	Oct. 1, 1890	. . . . .
2	Lieut. G. P. Lenox-Conyngham, R.E. . . . .	†	. . . . .	21 8 66	July 16, 1889	Oct. 1, 1890	. . . . .
3	Capt. C. F. Close, R.E. . . . .	†	. . . . .	10 8 65	Dec. 3, 1889	Oct. 1, 1890	. . . . .
4	C. Wood	G. T. S.	LS.	21 7 42	Dec. 3, 1889	Dec. 10, 1890	34 5 10
5	Lieut. R. T. Crichton, I.S.C.	†	HS.	8 3 65	Dec. 16, 1889	Feb. 19, 1891	. . . . .
6	E. F. Litchfield†	†	HS.	23 1 52	Oct. 24, 1890	Mar. 31, 1891	. . . . .
7	Capt. P. J. Gordon, I.S.C.	†	HS.	2 6 59	Nov. 10, 1890	Oct. 13, 1891	. . . . .
8	B. G. Gilbert-Cooper . . . . .	†	. . . . .	24 6 57	Feb. 19, 1891	Apl. 5, 1892	1 10 10B
...	C. F. Erskine	†	{ HS. Sindhi LS. Marathi }	15 10 55	Feb. 19, 1891	Oct. 12, 1892	1 10 10B
9	A. E. Spring . . . . .	†	. . . . .	4 1 55	Feb. 18, 1891	Oct. 12, 1892	1 10 11B
2ND GRADE. Salary R500.							
1	H. R. Littlewood	Rev.	{ LS. Burmese }	5 11 43	May 13, 1891	. . . . .	32 2 26
2	Lieut. J. M. Burn, R.E.	†	LS.	18 12 66	May 17, 1891	. . . . .	. . . . .
3	„ C. C. D. Morice, R.E.	†	LS.	29 5 67	Nov. 11, 1891	. . . . .	. . . . .
4	„ H. A. D. Fraser, R.E. . . . .	†	. . . . .	19 6 67	Oct. 29, 1891	. . . . .	. . . . .
5	„ C. H. D. Ryder, R.E.	†	LS.	28 6 68	Nov. 29, 1891	. . . . .	. . . . .
6	J. S. Pemberton	Rev.	LS.	8 7 43	Apl. 1, 1892	. . . . .	32 2 21
7	Lieut. A. J. Pilcher, R.E.	†	HS.	27 8 66	July 16, 1892	. . . . .	. . . . .
8	Lieut. C. W. H. Symonds, I.S.C. . . . .	†	. . . . .	6 9 65	Sep. 28, 1892	. . . . .	. . . . .
9	G. W. E. Atkinson	G. T. S.	. . . . .	11 10 43	Nov. 8, 1892	. . . . .	33 2 20
10	Vacant . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .

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

India Department, as it stood on 1st January 1893—concluded.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
3	1,000 0 0	(a) Upper Burma, R150.	In charge No. 3 (Shwebo)	Officiating Deputy Superintendent, 1st grade. Furlough to Europe from 18th June to 13th December 1891. Joined the Junior Division, 1st May 1893.
4	1,000 0 0	. . . . .	In charge Computing	Officiating Deputy Superintendent, 1st grade.
5	850 0 0	. . . . .	In charge No. 2 (Eastern Bengal)	
6	850 0 0	(b) Presidency, R60	Head-Quarters, Calcutta	Furlough to Europe for 1 year from 21st November 1891.
7	990 0 0	(a) Upper Burma, R100.	In charge No. 21 (Upper Burma)	
8	990 0 0	(c) Baluchistan, R100	No. 15 (Baluchistan).	
1	940 0 0	. . . . .	In charge No. 9 (Central Pro- vinces).	Officiating Deputy Superintendent, 2nd grade.
2	870 0 0	. . . . .	In charge No 23 (Astronomical)	Ditto ditto ditto.
3	940 0 0	(a) Upper Burma, R100.	In charge No. 24 (Upper Burma)	Ditto ditto ditto.
4	800 0 0	(c) Burma, R150 .	In charge No. 7 (Amherst)	Ditto ditto ditto.
5	800 0 0	. . . . .	In charge No. 8 (Orissa)	Joined Junior Division, 6th May 1859. Officiating Deputy Superintendent, 2nd grade.
6	600 0 0	Local, R50.	On deputation, Forest Depart- ment.	Service in Forest Department from 18th October 1876 to 23rd October 1890. On furlough for one year from 5th November 1892.
7	. . . . .	. . . . .	. . . . .	. . . . .
8	. . . . .	. . . . .	. . . . .	On furlough for 1 year from 19th May 1892.
9	600 0 0	(a) Upper Burma, R100.	No. 3 (Shwebo).	
1	600 0 0	(c) Burma, R100 .	No. 7 (Amherst)	Officiating Assistant Superintendent, 1st grade. Joined the Junior Division, 6th October 1860.
2	670 0 0	(a) Upper Burma, R100.	No. 24 (Upper Burma)	Officiating Assistant Superintendent, 1st grade.
3	670 0 0	. . . . .	No. 25 (Tidal and Levelling)	Ditto ditto ditto.
4	670 0 0	. . . . .	No. 10 (Bombay)	Ditto ditto ditto.
5	670 0 0	. . . . .	No. 18 (Himalaya)	Ditto ditto ditto.
6	600 0 0	. . . . .	Nos. 4 and 5 (Bihar)	Ditto ditto ditto.
7	570 0 0	. . . . .	Nos. 4 and 5 (Bihar).	Overstayed privilege leave by 5 days in June 1860. Joined the Junior Division, 6th October 1860.
8	500 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
9	500 0 0	. . . . .	In charge Simla Drawing	Joined the Junior Division, 1st August 1859.
10	. . . . .	. . . . .	. . . . .

- (a) Department of Finance and Commerce No. 756, dated 11th February 1889.
(b) Department of Agriculture, Revenue and Commerce memorandum No. 213, dated 14th May 1878.
(c) Department of Finance and Commerce No. 5820, dated 25th October 1858.

Classified List of Officers of the Junior Division, Survey

No. sanctioned	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1893.
		JUNIOR DIVISION.						
		Extra Assistant Superintendents.						
		1ST GRADE.						
		<i>Salary Rs500.</i>						
8	1	H. E. T. Keelan	G. T. S.	. . . .	1 5 43	Aug. 17, 1858	Oct. 29, 1883	29 1 2
	2	A. J. Wilson	Topogl.	LS.	1 9 42	Oct. 1, 1860	June 2, 1884	30 0 9
	...	S. M. Smylie	Rev.	LS.	25 11 40	July 24, 1860	June 27, 1886	31 9 2
	3	W. Todd	G. T. S.	. . . .	25 11 38	Jan. 11, 1856	Dec. 3, 1889	34 10 23
	4	A. M. Lawson	Rev.	LS.	18 12 38	Nov. 18, 1862	May 13, 1891	30 1 13
	5	W. A. Wilson	Rev.	LS.	3 6 43	Jan. 1, 1861	Jan. 5, 1892	28 7 12
	6	A. J. Gibson	Rev.	. . . .	1 12 41	May 1, 1861	Apr. 1, 1892	31 7 27
	7	W. S. Buttress	Rev.	. . . .	19 2 44	Oct. 1, 1860	May 8, 1892	32 4 0
	8	A. G. Wyatt	Topogl.	. . . .	25 2 45	Nov. 1, 1861	Nov. 8, 1892	27 10 6
10		2ND GRADE.						
		<i>Salary Rs400.</i>						
	1	H. W. Psychers	G. T. S.	. . . .	13 12 42	Apr. 8, 1862	May 13, 1889	30 0 18
	2	G. Belcham	G. T. S.	HS.	14 2 45	Nov. 1, 1862	May 16, 1889	30 2 0
	3	H. Dowman	Rev.	. . . .	11 6 46	Oct. 16, 1862	Sep. 19, 1889	30 2 1
	4	E. G. Little	Rev.	. . . .	11 10 45	Nov. 5, 1862	Dec. 3, 1889	27 2 19
	5	H. T. Hanby	Rev.	LS.	20 10 45	Nov. 13, 1862	Nov. 10, 1890	30 1 18
	...	L. J. Pocock	G. T. S.	HS.	26 9 43	July 10, 1863	Apr. 25, 1891	29 0 7
	6	A. Christie	G. T. S.	HS. LS. Marathi.	29 9 45	Aug. 7, 1863	May 13, 1891	28 9 4

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

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	<i>R a. p.</i>			
1	500 0 0	(a) Charge, Rs50	In charge Indus Riverain Detachment.	Inclusive of furlough out of India for 11 months and 13 days, also for 11 months and 24 days from 12th May 1888 to 5th May 1889. Exclusive of medical leave for 6 months, sick leave for 18 days, and leave without pay for 11 days.
2	500 0 0	(b) Presidency house-rent, Rs45.	Calcutta Detachment	Apprentice Draftsman from 1st January 1860. Furlough in India for 6 months from 30th October 1891. Recalled to duty, 18th February 1892.
	600 0 0	. . . . .	Chief Draftsman, Head-Quarters, Calcutta.	Exclusive of furlough in India for 4 months and 4 days from 8th November 1882 to 11th March 1883.
3	500 0 0	. . . . .	No. 10 (Bombay)	Inclusive of 2 years, which count as service out of 4 years 28 days' leave on medical certificate under old rules.
4	500 0 0	. . . . .	No. 17 (Bombay Forests).	
5	500 0 0	(c) Burma, Rs50	No. 20 (Burma)	On furlough for 1 year from 24th March 1889 to 23rd March 1890.
6	500 0 0	(e) Assam, Rs50	No. 6 (Assam)	Absent without leave for 3 days in January 1866.
7	500 0 0	(d) Upper Burma, Rs80	No. 12 (Minbu)	Copyist from 1st to 30th September 1860.
8	500 0 0	(b) Presidency house-rent, Rs45.	Head-Quarters, Calcutta	Inclusive of furlough out of India from 11th November 1883 to 6th November 1884.
1	400 0 0	(e) Dehra Office, Rs50	Computing, Dehra Dun.	
2	400 0 0	(f) Deputation, Rs50	No. 25 (Tidal and Levelling)	Service reckoned under old rules.
3	400 0 0	. . . . .	No. 9 (Central Provinces)	Absent without leave 3 days, sick leave 2 days in October and 4 days in December 1866, and 6 days in December 1866.
4	400 0 0	(d) Upper Burma, Rs80	No. 12 (Minbu)	Apprentice from 1st January 1860. Exclusive of 5 years 9 months and 11 days' service under 20 years of age.
5	400 0 0	. . . . .	Nos. 4 and 5 (Bihar.)	
	450 0 0	. . . . .	Head Draftsman, Head-Quarters, Calcutta.	Exclusive of 89 days' sick leave.
6	400 0 0	. . . . .	Computing, Dehra Dun	Exclusive of furlough in India from 18th November 1886 to 16th May 1887.

(a) Secretary of State's despatch No. 121, dated 7th May 1886.

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

(c) Department of Finance and Commerce No. 5826, dated 25th October 1886.

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

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

(f) Surveyor General's No. 963 S-B., dated 29th September 1866.

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

No. mentioned in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1893.
	JUNIOR DIVISION						
	--contd.						
	Extra Assistant Superintendents—contd.						
	2ND GRADE—concl'd.						
	Salary R400—concl'd.						
7	N. C. Gwynne	G. T. S.	. . . . .	5 3 43	Oct. 19, 1863	Jan. 5, 1892	29 9 25
8	W. J. O'Sullivan	G. T. S.	. . . . .	14 2 44	Oct. 1, 1863	April 1, 1892	28 10 17
9	W. C. Price	G. T. S.	. . . . .	23 6 46	Nov. 1, 1863	May 8, 1892	26 6 8
10	C. H. McA'Fee	G. T. S.	LS.	14 11 49	Sep. 6, 1864	Nov. 8, 1892	23 0 15
	3RD GRADE.						
	Salary R350.						
14	C. F. Hamer	Topogl.	. . . . .	6 10 46	Aug. 3, 1863	Aug. 29, 1888	26 4 24
2	J. H. O'Donel	Rev.	. . . . .	10 7 45	Oct. 1, 1863	Nov. 24, 1888	27 5 20
3	T. E. M. Claudius	Topogl.	. . . . .	1 6 46	Aug. 1, 1863	May 13, 1889	26 7 0
4	W. Stotesbury	Topogl.	{ HS; LS; Cana- rese. }	26 7 47	Oct. 4, 1864	May 16, 1889	25 5 6
5	T. H. Rendell	G. T. S.	. . . . .	23 7 44	Oct. 11, 1864	May 16, 1889	28 2 21
6	R. B. Smart	Rev.	LS.	28 6 47	Jan. 1, 1865	Aug. 14, 1889	25 6 2
...	A. J. James	Topogl.	LS.	19 11 46	June 15, 1864	Nov. 10, 1890	26 1 12
7	Hugh Todd	G. T. S.	. . . . .	16 8 47	July 15, 1865	Mar. 1, 1891	25 3 16
8	E. J. Connor	G. T. S.	LS.	18 8 48	Mar. 1, 1865	Apr. 25, 1891	23 10 10
9	J. Connor	Rev.	. . . . .	27 8 47	Feb. 15, 1865	May 13, 1891	25 3 24
...	T. H. Dunne	Rev.	LS.	25 5 49	Feb. 15, 1865	Jan. 5, 1892	22 11 26
10	J. Bond	G. T. S.	. . . . .	6 1 50	Oct. 18, 1866	Jan. 5, 1892	22 11 4
11	C. D. Potter	G. T. S.	LS.	19 8 45	Oct. 29, 1866	April 1, 1892	26 1 0
12	C. Tapsell	Topogl.	LS.	14 11 44	Aug. 2, 1864	May 8, 1892	28 1 17
13	J. A. Barker	Topogl.	. . . . .	13 4 46	Sep. 1, 1865	Nov. 8, 1892	26 8 18
14	Vacant . . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .

India Department, as it stood on 1st January 1893—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
7	400 0 0	. . . . .	No. 14 (Nimar).	
8	400 0 0	(a) Charge R50	No. 2 (Eastern Bengal).	
9	400 0 0	(b) Burma, R50	No. 7 (Amherst).	
10	400 0 0	. . . . .	Drawing Office, Dehra Dun	Passed the Poona C. E. College Examination in 1864. Sick leave for 1 month from 30th December 1892.
1	350 0 0	. . . . .	No. 19 (Madras).	
2	. . . . .	. . . . .	On deputation, Assam.	
3	350 0 0	(b) Baluchistan, R80	No. 15 (Baluchistan).	
4	350 0 0	. . . . .	No. 10 (Bombay).	
5	350 0 0	(c) Upper Burma, R80.	No. 24 (Upper Burma).	
6	350 0 0	. . . . .	Nos. 4 and 5 (Bihar)	Apprentice from 1st January 1864.
...	400 0 0	. . . . .	Draftsman. Head-Quarters, Calcutta.	
7	350 0 0	. . . . .	No. 19 (Madras)	Exclusive of 30 days' sick leave.
8	350 0 0	. . . . .	No. 25 (Tidal and Levelling)	Exclusive of 6 months and 5 days' leave on private affairs under new rules.
9	350 0 0	(c) Upper Burma, R80.	No. 3 (Shwebo).	
...	. . . . .	. . . . .	On deputation, Central Provinces.	Absent without leave 1 day, and sick leave for 10 days in October 1866.
10	350 0 0	(b) Burma, R50 or (c) Upper Burma, R80.	No. 25 (Tidal and Levelling)	Exclusive of 20 days' sick leave.
11	350 0 0	. . . . .	No. 18 (Himalaya)	Exclusive of 33 days' sick leave. Obtained a Civil Engineer's certificate at the Madras C. E. College in 1866.
12	350 0 0	. . . . .	No. 10 (Bombay).	
13	350 0 0	(b) Burma, R50	No. 20 (Burma).	
14	. . . . .	. . . . .	. . . . .

(a) Secretary of State's Despatch No. 121, dated 7th May 1895.
 (b) Financial Resolution No. 5826, dated 25th October 1898.
 (c) Department of Finance and Commerce No. 750, dated 11th February 1890.

Oclassified List of Officers of the Junior Division, Survey India Department, as it stood on 1st January 1893—continued.

No. mentioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1893.	No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
JUNIOR DIVISION —contd.													
Extra Assistant Superintendents—concl'd. 4TH GRADE. Salary R300.													
1	1	E. A. Wainright	Topogl.	. . . . .	8 6 48	May 1, 1866	Nov. 24, 1887	24 6 27	1	300 0 0	(a) Baluchistan, R80 .	No. 15 (Baluchistan).	
	2	R. C. D. Ewing	Rev.	HS.	10 6 48	June 9, 1866	Aug. 29, 1888	23 5 25	2	300 0 0	(b) Settlement, R50 .	No. 8 (Orissa)	Furlough from 17th September 1885 to 11th September 1887.
	3	W. J. Cornelius	Topogl.	LS.	31 3 49	Aug. 15, 1866	Nov. 24, 1888	23 9 1	3	300 0 0	(c) Simla allowance, R25	Drawing Office, Simla.	
	4	G. W. Jarbo	Rev.	LS.	15 9 47	Nov. 1, 1866	Dec. 3, 1888	25 3 0	4	300 0 0	(a) Burma, R75	No. 7 (Amherst)	Sick leave for 15 days from 26th May to 9th June 1869.
	5	P. J. W. Doran	Topogl.	LS.	5 5 49	Feb. 1, 1867	May 13, 1889	23 7 27	5	300 0 0	(d) Upper Burma, R80.	No. 11 (Upper Burma).	
	6	J. R. Scott	Rev.	LS.	5 3 49	Jan. 19, 1867	May 13, 1889	23 9 27	6	. . . . .	. . . . .	On deputation, Central Provinces.	
	7	J. McHatton	Rev.	LS.	15 6 54	July 1, 1867	May 16, 1889	22 5 14	7	300 0 0	. . . . .	No. 2 (Eastern Bengal)	Furlough for 1 year from 1st January to 31st December 1879.
	8	H. T. Kitchen	Topogl.	. . . . .	8 6 48	Nov. 1, 1867	Aug. 14, 1889	23 6 23	8	300 0 0	(a) Baluchistan, R80 .	No. 15 (Baluchistan)	Furlough for 1 year from 25th June 1891.
	9	J. Hickie	G. T. S.	LS.	13 1 49	Apl. 29, 1868	May 5, 1890	23 5 17	9	300 0 0	(d) Upper Burma, R80.	No. 24 (Upper Burma)	Exclusive of 6 months' sick leave.
	10	S. O. Madras	Rev.	. . . . .	15 9 50	July 6, 1868	Nov. 10, 1890	22 4 16	10	300 0 0	(b) Settlement, R50. .	No. 8 (Orissa).	
	...	G. D. Cusson	G. T. S.	LS.	23 9 46	May 8, 1868	Mar. 1, 1891	24 7 23	...	325 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	Inclusive of furlough out of India for 304 days from 1st November 1879 to 30th October 1880.
	11	T. F. Freeman	Rev.	LS.	3 3 51	Sep. 9, 1868	Mar. 1, 1891	19 2 27	11	300 0 0	(e) Charge, R50	In charge Garhwal Detachment	Sick leave for 2 years from 1st May 1880; extension for 9 months without pay up to 31st January 1883.
	...	G. O. Swiney	Rev.	. . . . .	27 6 49	Sep. 17, 1868	Apl. 25, 1891	23 6 4	...	. . . . .	. . . . .	On deputation, Central Provinces.	
	12	J. S. Swiney	Rev.	. . . . .	19 12 50	Jan. 5, 1869	Apl. 25, 1891	22 0 12	12	300 0 0	(d) Upper Burma, R80	No. 12 (Minbu).	
	...	C.P. Torrens	G. T. S.	. . . . .	19 6 51	Dec. 12, 1868	May 13, 1891	21 0 10	...	. . . . .	. . . . .	On deputation, Settlement Department, Burma.	Exclusive of 2 days overstayed privilege leave.
	13	W. Robert	Topogl.	. . . . .	27 2 51	Aug. 21, 1869	Jan. 5, 1892	22 4 2	13	300 0 0	(e) Charge, R50.	No. 2 (Eastern Bengal).	
	14	T. Shaw	Rev.	LS.	15 11 52	Apl. 21, 1869	Mar. 17, 1892	20 1 15	14	300 0 0	(f) Presidency house-rent, R30.	Head-Quarters, Calcutta	Sick leave for 3 months from 1st March 1869, 2 months from 1st August 1869, and from 22nd April to 31st May 1892.
	15	C. W. Wilson	Rev.	LS.	9 11 45	June 21, 1867A	Apl. 1, 1892	25 0 1	15	300 0 0	(f) Presidency house-rent, R30.	Head-Quarters, Calcutta	
	...	G. E. Parker	Rev.	. . . . .	18 2 50	Nov. 18, 1870	May 8, 1892	22 1 13	...	. . . . .	. . . . .	On deputation, Central Provinces.	
	16	G. Campbell	Rev.	. . . . .	13 7 48	Mar. 1, 1871	May 8, 1892	22 11 19	16	300 0 0	. . . . .	No. 2 (Eastern Bengal)	Office Assistant from 1st January 1864. Furlough for 1 year from 22nd September 1891 to 21st September 1892. Medical leave from 16th March to 15th September 1891.
	17	W. C. G. Barckley	Topogl.	. . . . .	22 10 51	Dec. 1, 1871	Sep. 13, 1892	21 1 0	17	300 0 0	(d) Upper Burma, R80	No. 21 (Upper Burma)	Inclusive of special leave to Europe on full pay for one year 10 months and 26 days from 7th April 1876 to 2nd March 1878.
	18	G. T. Hall	G. T. S.	LS.	3 12 51	Nov. 22, 1872	Nov. 8, 1892	20 1 9	18	300 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
Sub-Assistant Superintendents. 1ST GRADE. Salary R200 rising to R260.													
41	1	E. J. Martin	Rev.	. . . . .	20 1 51	Aug. 1, 1870	Apl. 1, 1881	20 9 11	1	250 0 0	(f) Presidency house-rent, R20.	Head-Quarters, Calcutta	Office Assistant from 16th September 1867. Furlough from 1st April to 30th November 1882. On medical leave for 6 months from 13th April 1889.
	2	C. W. F. Seyers	Rev.	. . . . .	1 7 46	Dec. 1, 1864	June 7, 1881	27 9 0	2	250 0 0	(f) Presidency house-rent, R20.	Head-Quarters, Calcutta	Medical leave for 3 months from 16th May 1890; extension for 1 month to 15th September 1890.
	3	W. H. Penrose	Rev.	LS.	6 10 51	Aug. 11, 1869	Nov. 1, 1882	20 7 17	3	250 0 0	(f) Presidency house-rent, R20.	Head-Quarters, Calcutta	Leave on medical certificate from 22nd October to 28th November 1883, and from 3rd August 1886 to 2nd February 1897, excluded.

(A) Commencement of second service.

(a) Financial Resolution No. 5820, dated 25th October 1889.
 (b) Secretary of State's despatch No. 75 (Revenue), dated 15th August 1889.
 (c) Revenue and Agricultural Department No. $\frac{1339}{30-6}$, dated 1st November 1890.
 (d) Department of Finance and Commerce No. 758, dated 11th February 1890.
 (e) Secretary of State's despatch No. 121, dated 7th May 1885.
 (f) Financial Resolution No. 704, dated 22nd February 1890.

Classified List of Officers of the Junior Division, Survey of India Department, as it stood on 1st January 1893—continued.

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1893.	each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
JUNIOR DIVISION													
—contd.													
Sub-Assistant Superintendents—contd.													
1st GRADE—contd.													
<i>Salary ₹200 rising to ₹250—contd.</i>													
4		G. Vander Beek	Topogl.	LS.	16 9 49	July 1, 1872	Apl. 30, 1883	22 2 21	4	250 0 0	. . . . .	Nos. 4 and 5 (Bihar)	Apprentice Draftsman from 11th October 1870.
5		R. Todd	Topogl.	. . . . .	12 7 45	Nov. 1, 1863	July 21, 1883	27 5 20	5	250 0 0	. . . . .	No. 19 (Madras)	Suspension from 11th May to 6th June 1883.
6		J. Murphy	Rev.	. . . . .	12 7 52	Nov. 1, 1871	Aug. 10, 1883	20 5 19	6	250 0 0	(a) Burma, R50	No. 7 (Amherst)	Office Assistant from 22nd November 1868.
7		A. W. Smart	Rev.	. . . . .	27 2 51	Dec. 1, 1871	Oct. 6, 1883	20 10 0	7	250 0 0	(b) Settlement, R50	No. 8 (Orissa)	Sick leave for three months from 8th July 1880.
8		W. M. Kelly	Rev.	LS.	6 8 54	Oct. 1, 1872 Oct. 1, 1878A	Nov. 21, 1883	18 4 25	8	250 0 0	(c) Upper Burma R80	No. 11 (Upper Burma)	Inclusive of service in the Forest Department from 1st November 1877 to 30th September 1878.
9		A. Kitchen	Topogl.	. . . . .	27 1 53	Oct. 1, 1872	Dec. 1, 1883	19 11 4	9	250 0 0	(d) Simla allowance, R25.	Drawing Office, Simla.	
...		E. P. S. Hill*	Rev.	HS; LS Persian.	14 7 55	Nov. 16, 1872	June 2, 1884	17 5 15	...	. . . . .	. . . . .	On deputation, Central Provinces.	
10		R. R. Dickinson	Rev.	LS.	25 7 52	Apl. 16, 1873	Sep. 1, 1884	20 9 0	10	250 0 0	. . . . .	No. 10 (Bombay)	Apprentice from 1st April 1872.
11		G. A. Knight	Topogl.	. . . . .	22 4 54	Aug. 11, 1873	Mar. 1, 1885	18 6 11	11	250 0 0	. . . . .	No. 10 (Bombay)	On Medical leave from 12th May to 7th July 1892.
12		W. A. Fielding . . . . .	. . . . .	LS.	17 5 48	May 1, 1868 Oct. 1, 1887A	Apl. 1, 1881	23 7 3	12	250 0 0	. . . . .	No. 18 (Himalaya)	Inclusive of services in the Bombay Secretariat from 1st April 1886 to 10th September 1887.
...		P. A. Peters	Rev.	LS.	24 12 54	Nov. 1, 1873	May 14, 1886	18 0 23	...	. . . . .	. . . . .	On deputation, Straits Settlements.	
13		T. S. Marten	Forest Surv.	. . . . .	23 2 46	Oct. 6, 1888	Oct. 6, 1888	18 9 18	13	250 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 14th March 1874.
14		P. F. Prunty	G. T. S.	. . . . .	24 12 54	May 9, 1874	May 14, 1886	18 0 6	14	250 0 0	. . . . .	No. 18 (Himalaya).	
15		P. White	Topogl.	LS.	10 10 50	Oct. 1, 1872	Oct. 1, 1884	17 4 22	15	. . . . .	. . . . .	. . . . .	Exclusive of sick leave for 3 months from 21st October 1878; extension for 3 months; further extension of leave without pay up to 17th August 1879. On half-pay list from 18th August 1879 to 31st August 1880. On sick leave for 1 year from 17th October 1881; extension to 28th January 1883. On sick leave for 3 months from 5th November 1883 to 4th February 1884. On furlough for one year from 24th March 1892.
16		J. Keating	G. T. S.	. . . . .	4 5 54	June 1, 1874	July 1, 1886	18 7 27	16	250 0 0	. . . . .	No. 14 (Nimar).	
17		S. F. Norman	G. T. S.	. . . . .	8 8 54	Sep. 1, 1874	Apl. 1, 1887	18 4 0	17	250 0 0	(e) Half scale, local, R15.	No. 17 (Bombay Forests).	
18		C. Norman	G. T. S.	LS.	18 6 56	Oct. 12, 1874	Apl. 1, 1887	16 7 12	18	250 0 0	(e) Ditto, R15	No. 17 (Bombay Forests).	
19		C. Kraal	Rev.	LS.	25 10 53	July 24, 1874	Aug. 1, 1886	18 4 21	19	250 0 0	. . . . .	No. 8 (Orissa)	Sick leave from 6th to 22nd February 1879.
20		D. Campbell	Topogl.	LS.	18 11 52	Nov. 1, 1874	Apl. 1, 1887	20 1 13	20	250 0 0	. . . . .	No. 14 (Nimar)	Joined as a Sub-Surveyor on 3rd July 1872.

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

(a) Financial Resolution No. 6826, dated 25th October 1888.
(b) Secretary of State's despatch, No. 76 (Revenue), dated 15th August 1890.
(c) Department of Finance and Commerce, No. 766, dated 11th February 1889.
(d) Revenue and Agricultural Department No. ¹³³⁰36-6, dated 1st November 1890.
(e) Financial Resolution No. 704, dated 22nd February 1886.

Classified List of Officers of the Junior Division, Survey of

No. sanctioned.	No. existing in each grade.	NAMES OF OFFICERS.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1893.
JUNIOR DIVISION								
—contd.								
Sub-Assistant Superintendents—contd.								
1ST GRADE—concll. Salary R200 rising to R260—concll.								
								Y. M. D.
21		L. F. Berkeley	Rev.	I.S.	28 8 54	Aug. 16, 1875	Nov. 24, 1887	17 4 16
22		J. Marten	Forest Surv.	. . . . .	27 9 51	Oct. 6, 1888	Oct. 6, 1888	17 2 10
23		G. P. Tate	†	I.S.	22 7 56	Mar. 12, 1878	Aug. 29, 1888	16 5 9
24		J. M. Kennedy	G. T. S.	. . . . .	2 11 56	Aug. 19, 1875	Nov. 1, 1888	16 1 28
25		P. C. H. Smart . . . . .	†	. . . . .	16 9 55	Apl. 18, 1878	Nov. 24, 1888	14 3 6
26		R. F. Warwick	G. T. S.	I.S.	25 3 55	July 2, 1875	May 9, 1889	14 9 18
27		A. George	†	I.S.	14 1 55	Oct. 15, 1878	May 13, 1889	14 2 17
28		W. H. D. Ewing	†	I.S.	23 8 57	Apl. 15, 1878	May 16, 1889	14 6 15
29		C. George	†	I.S.	7 12 52	Sep. 5, 1878	Feb. 1, 1890	18 4 14
30		R. W. Senior	†	I.S.	13 11 60	Dec. 21, 1878	May 5, 1890	11 6 19
31		J. A. Higgs	†	I.S.	18 4 59	Sep. 12, 1881	Nov. 10, 1890	13 0 0
32		O. D. Smart . . . . .	†	. . . . .	16 9 57	Oct. 1, 1881	Mar. 1, 1891	11 3 0
33		A. Ewing . . . . .	†	. . . . .	1 1 62	Nov. 16, 1881	Apl. 1, 1891	11 0 0
34		M. Gastaud . . . . .	†	. . . . .	8 3 62	May 1, 1882	Apl. 25, 1891	10 10 0
...		P. Beechey	†	I.S. & HS. Burmese.	18 7 61	Dec. 1, 1882	May 13, 1891	10 1 0
35		E. F. Berkeley	†	I.S.	21 10 64	Sep. 1, 1883	Jan. 5, 1892	8 2 10
36		J. P. Barker . . . . .	†	. . . . .	21 8 65	Dec. 23, 1883	Mar. 17, 1892	7 4 10
37		N. Bedford . . . . .	†	. . . . .	16 7 61	Jan. 10, 1884	Apl. 1, 1892	8 11 22
38		T. J. J. Mills . . . . .	†	. . . . .	31 12 63	Mar. 14, 1884	May 8, 1892	8 9 18
39		B. R. Hughes	†	I.S. & I.S. Burmese.	13 6 66	Oct. 15, 1883	Sep. 13, 1892	6 0 18
40		P. J. Serrao	†	I.S. Burmese.	3 7 61	Apl. 24, 1884	Nov. 8, 1892	8 8 7
41		Vacant						
2ND GRADE.								
Salary R160 rising to R200.								
1		B. M. Wilson	Rev.	. . . . .	14 4 48	Nov. 15, 1872	Apl. 1, 1881	20 11 7
2		J. Smith . . . . .	†	. . . . .	14 9 63	Aug. 1, 1884	Aug. 29, 1888	8 5 0
3		W. E. Johnson . . . . .	†	. . . . .	14 9 61	Aug. 18, 1884	Nov. 1, 1888	8 4 14
4		T. W. Babonau (Jr.)	†	I.S. & HS. Burmese	10 7 68	Jan. 15, 1884	Apl. 1, 1887	5 10 7
5		W. Skilling	†	I.S.	26 4 67	Nov. 24, 1884	Nov. 24, 1888	5 8 6
6		A. B. Smart . . . . .	†	. . . . .	27 9 65	Feb. 25, 1885	May 9, 1889	7 3 4

† Joined the Department after the amalgamation on 1st January 1879.

India Department, as it stood on 1st January 1893—continued.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
21	250 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
22	240 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 22nd October 1875.
23	240 0 0	(a) Baluchistan R80	No. 15 (Baluchistan)	Apprentice from 1st March 1874.
24	240 0 0	(b) Upper Burma, R80	No. 21 (Upper Burma).	
25	240 0 0	. . . . .	Nos. 4 and 5 (Bihar).	Sick leave from 8th April to 14th September 1883.
26	. . . . .	. . . . .	. . . . .	Exclusive of leave on medical certificate for 2 months from 10th October to 9th December 1877; for 6 months from 1st May to 31st October 1879; for 4 months and 25 days from 30th August 1881; and for 11 months and 30 days from 18th August 1882 to 14th August 1883. On furlough for 1 year from 28th May 1892.
27	220 0 0	(b) Upper Burma R80	No. 12 (Mibu)	Exclusive of previous service as Sub-Surveyor.
28	230 0 0	. . . . .	Nos. 4 and 5 (Bihar)	Exclusive of 2 months and 1 day suspension from 28th May to 1st July 1880, and sick leave from 2nd to 29th July 1880.
29	230 0 0	. . . . .	No. 9 (Central Provinces)	Previous service as Sub-Surveyor from 18th August 1874.
30	220 0 0	. . . . .	No. 18 (Himalaya)	Exclusive of medical leave from 8th May to 6th October 1889.
31	220 0 0	(a) Burma, R50 (c) Charge R50	In charge Mergui Detachment.	Previous continuous service in Board of Revenue from 4th March 1878, and joined as apprentice from 31st July 1878. Medical leave from 7th March to 18th November 1889.
32	210 0 0	(b) Upper Burma, R80	No. 3 (Shwebo).	
33	210 0 0	(a) Burma, R50	No. 20 (Burma).	
34	200 0 0	(a) Burma, R50	No. 7 (Amherst)	Apprentice Draftsman from 3rd January 1892.
...	. . . . .	. . . . .	On deputation, Burma.	
35	200 0 0	. . . . .	No. 8 (Orissa).	
36	200 0 0	. . . . .	No. 8 (Orissa).	
37	200 0 0	. . . . .	Nos. 4 and 5 (Bihar).	
38	200 0 0	. . . . .	No. 19 (Madras).	
39	200 0 0	. . . . .	No. 14 (Nimar).	
40	200 0 0	(b) Upper Burma, R80	No. 3 (Shwebo).	
41	. . . . .	. . . . .	. . . . .
1	192 0 0	(d) Presidency house-rent, R20. (a) Assam, R40	Hend-Quarters, Calcutta	Apprentice from 1st February 1872.
2	176 0 0	. . . . .	No. 6 (Assam).	
3	192 0 0	(b) Upper Burma, R80	No. 12 (Mibu).	
4	192 0 0	(a) Burma, R50	No. 7 (Amherst)	Extraordinary leave from 8th April to 21st November 1889. Leave to Europe on private affairs from 30th June 1892 to 20th December 1892.
5	184 0 0	. . . . .	(Garhwal Detachment).	
6	184 0 0	. . . . .	No. 2 (Eastern Bengal).	

(a) Financial Resolution No. 5820, dated 25th October 1888.
(b) Department of Finance and Commerce No. 756, dated 11th February 1889.
(c) Secretary of State's Despatch No. 121, dated 7th May 1885.
(d) Financial Resolution No. 704, dated 22nd February 1896.

Classified List of Officers of the Junior Division, Survey

No. sanctioned.	No. existing in each grade.	Names of Officers.	Branch to which originally posted.	Passed in languages.	Date of birth.	Date of first joining the Department.	Date of promotion to the present grade.	Period of service counting towards pension on 1st January 1893.
JUNIOR DIVISION								
—concl'd.								
Sub-Asst. Supdts.—								
concl'd.								
2ND GRADE—concl'd.								
Salary R160 rising to R200—concl'd.								
7		C. G. Lee	†	•••••	25 8 66	Mar. 1, 1886	May 13, 1889	6 4 8
8		F. S. Bell	†	•••••	28 9 64	Sep. 24, 1886	May 16, 1889	6 3 7
9		F. E. Warde	†	•••••	7 9 51	Nov. 13, 1884A	Oct. 1, 1889	7 6 10
10		F. P. Walsh	†	•••••	20 11 66	Mar. 4, 1886	Feb. 1, 1890	6 1 10
11		F. B. Powell	†	ES, LS. Burmese	11 8 64	Sep. 23, 1886	May 5, 1890	6 3 8
12		Yusaf Sharif, Khan Bahadur	†	•••••	18 12 46	Dec. 1, 1886	Nov. 10, 1890	25 6 15
13		H. A. Charrier	†	LS. ES, Burmese.	22 10 64	Apr. 21, 1884	Mar. 1, 1891	7 10 26
14		Rai Hira Singh, Bahadur	†	•••••	1 9 51	Mar. 12, 1887	Apr. 1, 1891	21 1 0
		J. A. T. Haddock	†	•••••	16 10 63	Nov. 26, 1887	Apr. 25, 1891	5 1 5
15		J. H. Murphy	†	LS, ES. Burmese.	26 7 69	Nov. 1, 1887	May 13, 1891	2 5 6
16		W. J. Baker	†	ES, Burmese. LS.	18 8 66	Jan. 25, 1888	Jan. 5, 1892	4 11 7
17		S. Wood	†	•••••	1 7 68	Aug. 2, 1884	Mar. 17, 1892	4 6 0
		son	†	•••••	11 8 68	Mar. 2, 1888	Apr. 1, 1892	4 4 21
		J. Shaw	†	•••••	14 6 69	Nov. 13, 1888	May 8, 1892	3 6 17
			†	•••••	21 2 62	Jan. 1, 1889	Sep. 13, 1892	10 0 0
21		Sarat Chunder Sen	†	•••••	Nov. 1865	Aug. 26, 1889	Sep. 13, 1892	3 4 6
22		W. F. E. Adams	†	•••••	12 6 68	Aug. 26, 1889	Nov. 8, 1892	3 4 6
3RD GRADE.								
Salary R120 rising to R160.								
1		J. H. Nichol	Forest Surv.	•••••	9 4 67	Dec. 12, 1889	•••••	4 0 18
2		G. Rae	†	•••••	23 11 70	Nov. 19, 1890	•••••	2 1 8
3		Imam Sharif, Khan Bahadur	†	•••••	7 4 49	May 6, 1891	•••••	21 0 0
4		C. Litchfield	Forest Surv.	•••••	24 1 66	Jan. 10, 1892	•••••	4 1 17
5		H. W. Biggie	†	ES, Burmese	9 12 71	Nov. 21, 1891	•••••	1 0 23
6		Aulad Hussein	†	•••••	0 12 68	Nov. 13, 1891	•••••	1 1 19
7		Rahmatulla	†	•••••	29 9 66	Nov. 13, 1891	•••••	6 1 2
8		J. O. Greiff	†	LS.	2 7 72	Nov. 13, 1891	•••••	1 1 18
9		Nilmoni Chatterjee	†	•••••	17 11 70	Nov. 23, 1891	•••••	0 11 7
10		H. P. Powell	†	ES, Burmese.	2 6 70	Nov. 22, 1891	•••••	1 1 9
11		J. A. Freeman	†	•••••	24 7 70	Nov. 23, 1891	•••••	1 1 8
12		O. C. Ollenbach	†	•••••	3 4 67	Nov. 23, 1891	•••••	1 1 9
13		M. F. Berkeley	†	•••••	2 9 67	Nov. 17, 1891	•••••	1 1 14
14		H. H. B. Hanby	†	•••••	21 6 72	Nov. 25, 1891	•••••	0 6 10
15		P. K. Vaughan	†	•••••	14 2 70	Nov. 23, 1891	•••••	1 1 8
16		Vacant	•••••	•••••	•••••	•••••	•••••	•••••
17		Ditto	•••••	•••••	•••••	•••••	•••••	•••••
18		Ditto	•••••	•••••	•••••	•••••	•••••	•••••
19		Ditto	•••••	•••••	•••••	•••••	•••••	•••••
20		Ditto	•••••	•••••	•••••	•••••	•••••	•••••
21		Ditto	•••••	•••••	•••••	•••••	•••••	•••••
22		Ditto	•••••	•••••	•••••	•••••	•••••	•••••

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

India Department, as it stood on 1st January 1893—concluded.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
	R a. p.			
7	184 0 0	(a) Upper Burma, R80	No. 2 (Eastern Bengal).	
8	184 0 0	(a) Upper Burma, R80	No. 12 (Minbu).	
9	160 0 0	(b) Simla, R16	Drawing Office, Simla	Exceeded joining time by 6 days, viz., from 22nd to 27th May 1890, and on half-pay from 1st to 31st July 1890; without pay 4 days in Sep., 4 days in Oct., and 11 days in November 1890, 10 days in Jan., 5 days in Feb., 8 days in Mar., 5 days in Apr., 14 days in Oct., 4 days in Nov., and 4 days in Dec. 1891, 7 days in Feb., 8 days in March, 6 days in April, 8 days in May, 14 days in July and 7 days in Aug., and sick leave from 5th Sept. to 31st Oct. 1892.
10	176 0 0	(a) Upper Burma, R80.	No. 3 (Shwebo).	
11	176 0 0	(c) Burma, R50	No. 7 (Amherst).	
12	176 0 0	(c) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 16th June 1867.
13	168 0 0	(c) Burma, R50	No. 20 (Burma)	Leave without pay from 2nd to 13th February 1889. Leave on medical certificate, 3 months, from 24th May to 23rd August 1890.
14	168 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.
15	168 0 0	•••••	On deputation, Burma.	
16	160 0 0	(a) Upper Burma, R80	Garhwal Detachment	Medical leave for 1 month from 16th Apr. 1890.
17	160 0 0	•••••	No. 3 (Shwebo).	
18	160 0 0	•••••	No. 2 (Eastern Bengal)	Leave without allowances from 12th May 1880 to 11th January 1889.
19	160 0 0	•••••	No. 8 (Orissa).	
20	160 0 0	(a) Upper Burma R80	No. 9 (Central Provinces). No. 11 (Upper Burma)	Includes previous service in the Meteorological Department without interruption from 1st January 1863.
21	160 0 0	(d) Presidency house- rent, R20.	Calcutta Detachment.	
22	160 0 0	(a) Upper Burma, R80.	No. 21 (Upper Burma).	
1	136 0 0	•••••	On deputation, Forest Depart- ment.	Includes previous service in Forest Department from 16th December 1889.
2	136 0 0	•••••	No. 9 (Central Provinces).	
3	•••••	•••••	On deputation, Zanzibar	Joined as Sub-Surveyor, 1st September 1871.
4	120 0 0	•••••	On deputation, Forest Depart- ment.	Includes previous service in Forest Department from 14th November 1888.
5	128 0 0	(a) Upper Burma, R 80.	No. 12 (Minbu)	
6	128 0 0	•••••	No. 22 (Astro.)	
7	120 0 0	•••••	No. 14 (Nimar)	Joined as Computer, 19th August 1880.
8	120 0 0	•••••	No. 14 (Nimar)	
9	120 0 0	•••••	No. 8 (Orissa)	Extraordinary leave from 1st June to 2nd Aug. 1892.
10	120 0 0	(a) Upper Burma, R80	No. 3 (Shwebo)	
11	128 0 0	•••••	No. 10 (Bombay)	
12	120 0 0	(a) Upper Burma, R80.	No. 3 (Shwebo)	
13	128 0 0	•••••	No. 2 (Eastern Bengal)	
14	128 0 0	•••••	Nos. 4 & 5 (Bihar)	
15	128 0 0	•••••	Nos. 4 & 5 (Bihar)	
16	•••••	•••••	•••••	
17	•••••	•••••	•••••	
18	•••••	•••••	•••••	
19	•••••	•••••	•••••	
20	•••••	•••••	•••••	
21	•••••	•••••	•••••	
22	•••••	•••••	•••••	

(a) Department of Finance and Commerce No. 750, dated 11th February 1889.
1330,
(b) Revenue and Agricultural Department No. 36-6 dated 1st November 1890.
(c) Financial Resolution No. 5826, dated 25th October 1888.
(d) Ditto No. 704, dated 22nd February 1893.

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

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

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

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

Disposition List of Officers of the Survey of India Department attached to the Head-Quarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra, and the Office at Simla, 1st January 1893.

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

Disposition List of Officers of the Survey of India Department attached to the Head Quarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra, and the Office at Simla, 1st January 1893—continued.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Deputy Surveyor-General, in charge Trigonometrical Branch.	Col. G. Strahan, R.E.	. . . .	. . . .	. . . .	. . . .	Oct. 12, 89	Superintendence of Offices at Dehra and of— No. 14 Party (Nimar). No. 18 Party (Himalaya). No. 22 Party (Ast. I). No. 23 Party (Ast. II). No. 24 Party (Upper Burma). No. 25 Party (Tidal & Leveling).
(Dehra and Mussoorie.)		J. Eccles, M.A.	. . . .	D. Sup.	2nd	Apl. 2, 91	Offg., 1st Grade in charge Computing.
			H. W. Peychers . . .	Ex. A. Sup.	2nd	Sep. 1, 71	Computing.
			A. Christie . . .	Ex. A. Sup.	2nd	May 2, 92	Ditto.
			C. H. McA'Fee . . .	Ex. A. Sup.	2nd	Feb. 1, 85	Drawing Section.
Assistant Surveyor-General, Drawing and Engraving Offices.	Colonel W. H. Wilkins, I.S.O.	. . . .	. . . .	Sup.	1st	Oct. 10, 90	
(Calcutta.)			S. M. Smylie . . .	E. A. Sup.	1st	Mar. 12, 83	
			A. G. Wyatt . . .	E. A. Sup.	1st	Nov. 5, 90	
			L. J. Pocock . . .	E. A. Sup.	2nd	July 30, 92	
			A. J. James . . .	E. A. Sup.	3rd	Aug. 1, 89	
			G. D. Cusson . . .	E. A. Sup.	4th	Nov. 23, 89	
			C. W. Wilson . . .	E. A. Sup.	4th	Nov. 10, 92	
			E. J. Martin . . .	S. A. S.	1st	Dec. 1, 82	
			C. W. F. Seyers . . .	S. A. S.	1st	Sep. 16, 90	
			W. H. Penrose . . .	S. A. S.	1st	Nov. 1, 92	

Disposition List of Officers of the Survey of India Department attached to the Headquarters Offices at Calcutta, the Trigonometrical Branch Office at Dehra, and the Office at Simla, 1st January 1893—concluded.

Post.	Administrative Officers.	Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Assistant Surveyor-General, Surveyor-General's Office, and Mathematical Instrument Office. (Calcutta.)	Lt.-Col. M. W. Rogers, R.E.	. . . .	. . . . .	Sup.	2nd	May 7, 89	
Assistant Surveyor-General, Photographic and Lithographic Offices.	Col. J. Waterhouse, I.S.C.	. . . .	. . . . .	Sup.	2nd	Dec. 1, 66	
Ditto (Calcutta.)	. . . .	T. Archdale Pope	. . . . .	D. Sup.	2nd	May 7, 91	
Charge of Map, Record and Issue Office. (Calcutta.)	Capt. R. A. Wahab, R.E.	. . . .	. . . . .	D. Sup.	1st	Dec. 1, 92	
			B. M. Wilson	S. A. S.	2nd	Nov. 1, 82	
Charge of Drawing Office. (Simla.)	G. W. E. Atkinson.	. . . .	. . . . .	A. Sup.	2nd	Nov. 8, 92	
			W. J. Cornelius	E. A. Sup.	4th	Feb. 1, 90	
			A. Kitchen	S. A. S.	1st	Feb. 1, 90	
			F. E. Warde	S. A. S.	2nd	May 1, 90	

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

Names.	Date of birth.	Designation.	Salary. R a. p.	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 . . .	600 0 0	Aug. 9, 1861	Aug. 10, 1892	Short-drawn R80.
T. A. Milne . . .	5 8 55	Head Assistant	300 0 0	June 20, 1872	Dec. 1, 1892	
F. A. D'Rozario . . .	3 7 49	Head Clerk . . .	300 0 0	Oct. 14, 1874	Nov. 9, 1892	Short-drawn R40.
C. O. Gray . . .	17 2 61	Ditto . . .	250 0 0	Feb. 5, 1879	July 1, 1892	Short-drawn R30.
H. H. Vallis . . .	16 2 50	Ditto . . .	225 0 0	Mar. 5, 1869	Feb. 1, 1892	
G. C. Walker, B. A. . .	23 12 65	Ditto . . .	200 0 0	Dec. 21, 1892	Dec. 21, 1892	Short drawn R50.
J. A. Vallis . . .	11 8 48	Clerk . . .	175 0 0	Apl. 1, 1871	Dec. 1, 1889	
T. E. Ware . . .	30 5 46	Do. . .	150 0 0	Sep. 1, 1871	Mar. 1, 1886	
Kali Pudo Banerjee . .	27 10 39	Do. . .	125 0 0	Jan. 1, 1859	Sep. 1, 1885	
Banee Madhub Banerjee	Apl. 1844	Do. . .	125 0 0	Mar. 20, 1868	Aug. 1, 1886	
Doorga Narain Ghose, B.A.	30 11 46	Do. . .	100 0 0	Apl. 5, 1869	Mar. 1, 1886	
Ram Kristo Chunder . .	30 9 39	Do. . .	100 0 0	May 14, 1857	May 25, 1888	
Chuni Lal Dey . . .	10 5 56	Do. . .	100 0 0	May 1, 1878	Sep. 1, 1892	
Drawing Office.						
S. M. Smylle . . .	25 11 40	Chief Draftsman	600 0 0	July 24, 1860	Jan. 5, 1892	
L. J. Pocock]. . .	26 9 43	Head ditto	450 0 0	July 10, 1863	July 30, 1892	
G. D. Cusson . . .	23 9 46	Draftsman . . .	325 0 0	May 8, 1868	Feb. 1, 1890	
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 $\text{R}100$ and above, as it stood on 1st January 1893—continued.

Names.	Date of birth.	Designation.	Salary. <i>R a. p.</i>	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	Jan. 1, 1880	Jan. 1, 1890	
A. S. Bateman . . .	5 11 57	Ditto .	100 0 0	Dec. 6, 1882	May 1, 1892	
NATIVE DRAFTSMEN.						
Hari Hur Sen . . .	9 3 31	Ditto . .	150 0 0	Feb. 5, 1857	June 15, 1889	Extension of service up to 8th March 1893.
Mohesh Chunder Shaw .	6 12 36	Ditto . .	125 0 0	Dec. 1, 1856	June 15, 1889	Extension of service up to 5th December 1893.
Mattiyulla . . .	17 8 42	Ditto . .	100 0 0	Dec. 29, 1862	July 1, 1890	
Additional Establishment, Drawing Office.						
A. J. James . . .	19 11 46	Draftsman .	400 0 0	June 15, 1864	Mar. 1, 1891	
Vacant . . .	. . .	Ditto .	300 0 0	. . . . .	. . . . .
Engraving Office.						
J. Fulford . . .	6 7 43	Head Engraver	800 0 0	Oct. 10, 1872	Apl. 23, 1891	
W. Donaldson . . .	8 11 40	2nd ditto .	700 0 0	Nov. 6, 1868	Jan. 1, 1884	
S. M. Coard . . .	21 8 58	3rd ditto .	500 0 0	Feb. 1, 1875	Apl. 23, 1891	Short-drawn $\text{R}50$.
T. B. Rodger . . .	7 9 51	4th ditto .	450 0 0	Aug. 20, 1872	Oct. 7, 1890	
A. W. N. James . . .	21 1 60	5th ditto .	400 0 0	Mar. 15, 1878	Apl. 23, 1891	Ditto $\text{R}25$.
A. E. Coard . . .	3 10 61	6th ditto .	350 0 0	Mar. 15, 1878	Ditto .	Ditto $\text{R}25$.
E. C. Ollenbach . . .	24 1 61	7th ditto .	300 0 0	Aug. 1, 1879	Ditto .	Ditto $\text{R}25$.
E. Earle . . .	21 3 64	8th ditto .	250 0 0	May 1, 1880	Ditto .	Ditto $\text{R}25$.
L. H. Musgrove . . .	7 4 64	9th ditto .	200 0 0	July 1, 1882	Ditto .	Ditto $\text{R}25$.
F. R. C. Scallan . . .	4 7 70	10th ditto .	150 0 0	Aug. 11, 1884	Ditto .	Ditto $\text{R}25$.
W. M. Wells . . .	9 1 70	11th ditto .	100 0 0	Aug. 1, 1884	Ditto	
W. T. Collins . . .	31 10 58	Copper-plate Printer.	150 0 0	Jan. 6, 1880	May 1, 1884	
Abdul Wahid . . .	5 1 98	1st Native Engraver.	110 0 0	Aug. 1, 1869	Dec. 1, 1890	
Joy Kristo Shaw . . .	4 10 48	2nd ditto .	100 0 0	Aug. 1, 1869	Aug. 1, 1883	

List of Technical and Ministerial Officers of the Survey of India Department drawing $\text{R}100$ and above, as it stood on 1st January 1893—continued.

Names.	Date of birth.	Designation.	Salary. <i>R a. p.</i>	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
HEAD-QUARTERS OFFICES, CALCUTTA —contd.						
Lithographic Office.						
DRAWING SECTION.						
H. L. Lepago . . .	16 5 43	Head Assistant	550 0 0	July 15, 1871	Aug. 10, 1892	Short-drawn $\text{R}90$.
Ambica Churn Mookerjee	1 1 54	Examiner .	100 0 0	July 10, 1878	May 1, 1891	
LITHOGRAPHIC PRESS SECTION.						
D. Deas . . .	9 9 55	Head Lithographic Printer.	300 0 0	Nov. 29, 1883	Nov. 9, 1888	Short-drawn $\text{R}20$.
S. U. Ravenscroft . . .	21 2 69	Asst. ditto .	100 0 0	Dec. 1, 1887	Aug. 1, 1892	
TYPOGRAPHIC SECTION.						
E. D'Pyvah . . .	15 3 50	Head Printer .	100 0 0	Aug. 1, 1868	Nov. 1, 1884	
Mathematical Instrument Office.						
WORKSHOP SECTION.						
T. Bolton, F.R.A.S., London.	11 1 45	Mathematical Instrument-maker.	750 0 0	Sep. 16, 1867	Nov. 11, 1879	
F. Marshall . . .	9 1 56	Assistant Mathematical Instrument-maker.	500 0 0	Jan. 3, 1881	Jan. 3, 1887	
CORRESPONDENCE SECTION.						
W. Campagnac . . .	21 9 58	Head Clerk .	200 0 0	Apl. 1, 1882	Jan. 1, 1892	On furlough to England for 12 months from 12th April 1892. Short-drawn $\text{R}40$. Ditto $\text{R}40$. Offg. Head Clerk. }
W. R. Tulloch . . .	1 10 69	2nd ditto .	100 0 0	Apl. 1, 1888	Jan. 1, 1893	
STORE SECTION.						
M. C. Belletty . . .	15 4 53	Store-keeper .	150 0 0	Apl. 15, 1878	Jan. 1, 1893	Short-drawn $\text{R}20$.
Photographic Office.						
NORMAL ESTABLISHMENT.						
<i>Negative Section.</i>						
Vacant . . . . .	. . . . .	Photographer .	330 0 0	. . . . .	. . . . .	Inclusive of house-rent, $\text{R}30$.
<i>Photo. Transfer Printing Section.</i>						
J. Harrold . . .	24 5 35	Photographer .	330 0 0	Mar. 19, 1873	Mar. 11, 1880	Inclusive of house-rent, $\text{R}30$. Extension of service up to 23rd May 1893.
<i>Silver Printing Section.</i>						
Vacant . . . . .	...	Photographer .	200 0 0	. . . . .	. . . . .	Inclusive of house-rent, $\text{R}20$.
<i>Heliogravure and Collo-type Section.</i>						
A. W. Turner . . .	19 10 53	Photo. Engraver	400 0 0	May 1, 1885	May 1, 1890	

List of Technical and Ministerial Officers of the Survey of India Department drawing R100 and above, as it stood on 1st January 1893—continued.

Names.	Date of birth.	Designation.	Salary. R a. p.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
HEAD-QUARTERS OFFICES, CALCUTTA—concl'd.						
Photographic Office—concl'd.						
NORMAL ESTABLISHMENT.						
<i>Negative Section.</i>						
<i>Zinc Printing Section.</i>						
B. Mackenzie . . .	23 2 41	Zincographer .	330 0 0	Nov. 4, 1867	Nov. 24, 1879	Inclusive of house-rent, R30.
<i>General Office Establishment.</i>						
W. Moore . . .	4 11 58	Store-keeper .	200 0 0	Sep. 15, 1883	Feb. 1, 1890	
CADASTRAL ESTABLISHMENT.						
Vacant . . .	. . .	Photographer .	330 0 0	. . . . .	. . . . .	Inclusive of house-rent, R30.
L. Lagnier . . .	1 7 50	Ditto .	200 0 0	Feb. 1, 1876	Feb. 1, 1881	Inclusive of house-rent, R20.
T. Lloyd . . .	7 11 54	Asst. ditto .	100 0 0	July 16, 1873	Aug. 31, 1892 ^a	(a) Date of reduction.
<i>Photo. Transfer Printing Section.</i>						
R. George . . .	5 5 46	Photographer .	330 0 0	Feb. 1, 1876	Feb. 1, 1890	Inclusive of house-rent, R30.
<i>Zinc Printing Section.</i>						
E. A. LeFranc . . .	12 12 56	Zincographer .	330 0 0	Nov. 15, 1876	Jan. 1, 1890	Inclusive of house-rent, R30.
F. B. Vandyke . . .	28 9 65	Ditto .	330 0 0	July 29, 1885	Aug. 1, 1891	Ditto, R20.
J. B. Mackenzie . . .	16 4 65	Asst. ditto .	100 0 0	Oct. 1, 1880	Aug. 1, 1890	Short-drawn R60.
<i>General Office Establishment.</i>						
H. Haward . . .	10 2 50	Head Assistant	500 0 0	Nov. 16, 1883	Nov. 16, 1892	
TRIGONOMETRICAL BRANCH OFFICE, DEHRA DUN.						
<i>Computing Section.</i>						
Cally Mohun Ghose .	Nov. 43	Computer .	200 0 0	Nov. 6, 1865	Sept. 1, 1892	
Cally Coomar Chatterjee	Nov. 42	Ditto .	130 0 0	Aug. 12, 1865	Apl. 1, 1890	
Amba Prasad . . .	3 7 45	Ditto .	130 0 0	July 26, 1865	Sept. 1, 1892	
Shoshi Bhooshun Shome	13 7 49	Ditto .	130 0 0	Apl. 15, 1872	Sept. 1, 1892	
Shiv Nath Saha . . .	30 9 50	Ditto .	130 0 0	Nov. 26, 1873	Sept. 1, 1892	
Mizaji Lal . . .	31 1 50	Ditto .	130 0 0	Feb. 14, 1872	Sept. 1, 1892	
Tarapodo Mookerjee .	Nov. 39	Ditto .	110 0 0	May 21, 1862	Mar. 1, 1891	
Umbica Churn Shome .	1 7 43	Ditto .	105 0 0	Feb. 8, 1867 ^(a)	Sep. 1, 1888	(a) Date of appointment to Educational Department. Joined Computing Office, Survey of India, 10th April 1868.
<i>Drawing Section.</i>						
Shamial Banerjee . .	15 6 63	Draftsman .	100 0 0	Mar. 18, 1872	Mar. 1, 1892	

List of Technical and Ministerial Officers of the Survey of India Department drawing R100 and above, as it stood on 1st January 1893—concluded.

Names.	Date of birth.	Designation.	Salary. R a. p.	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
TRIGONOMETRICAL BRANCH OFFICE, DEHRA DUN—concl'd.						
<i>Photoinco. Section.</i>						
J. S. Manuel . . .	30 4 51	Assistant Zincographer.	140 0 0	July 16, 1889	Sep. 1, 1892	
<i>Printing Section.</i>						
B. V. Hughes . . .	11 4 40	Printer . . .	250 0 0	Nov. 1, 1880 ^(a)	July 1, 1886	(a) Date of appointment to Survey of India. Previous Military service excluded.
<i>Correspondence Section</i>						
J. Burbridge . . .	18 10 59	Head Clerk .	250 0 0	Jan. 16, 1879	Dec. 1, 1892	Short-drawn R40.
<i>Solar Photographic Section.</i>						
C. F. Guthrie . . .	15 3 61	Asst. Solar Photographer.	135 0 0	Nov. 1, 1880	Mar. 1, 1892	
SIMLA DRAWING OFFICE.						
H. Sindon . . .	3 12 48	Draftsman .	115 0 0	Jan. 1, 1865	Oct. 1, 1891	
F. Rozario . . .	23 3 50	Surveyor .	100 0 0	May 28, 1873	Mar. 1, 1891	

Disposition List of Officers of the Survey of India

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
2	Eastern Bengal . . . (Cadastral.) Recess quarters, Calcutta .	D.B.S.	Capt. J. M. Fleming, r.s.c.	D. Sup.	2nd	Nov. 24, 92
			W. J. O'Sullivan	E. A. Sup.	2nd	Nov. 7, 89
			J. McHatton	E. A. Sup.	4th	Jan. 1, 80
			T. Shaw	E. A. Sup.	4th	Oct. 14, 92
			G. Campbell	E. A. Sup.	4th	Dec. 1, 92
			A. B. Smart	S. A. S.	2nd	Oct. 14, 92
			C. G. Lee	S. A. S.	2nd	Nov. 7, 89
			C. G. S. Wood	S. A. S.	2nd	Oct. 1, 92
M. F. Berkeley	S. A. S.	3rd	Nov. 17, 91			
			Permanent Establishment	ditto		
			Temporary	ditto		
3	Shwebo (Cadastral.) Recess quarters, Mandalay	D.S.G Rev.	G. B. Scott	D. Sup.	2nd	Dec. 31, 91
			A. E. Spring	A. Sup.	1st	Sept. 20, 92
			J. Connor	E. A. Sup.	3rd	Feb. 1, 90
			O. D. Smart	S. A. S.	1st	Feb. 20, 88
			P. J. Serrao	S. A. S.	1st	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			
			Permanent Establishment	ditto		
			Temporary	ditto		
4 & 5	Bihar (Cadastral.) Recess quarters, Dinapore .	D.B.S.	Capt. G. B. Hodgson, r.s.c.	D. Sup.	2nd	Nov. 17, 90
			J. S. Pemberton	A. Sup.	2nd	Oct. 1, 92
			Lieut. A. J. Pilcher, r.s.c.	A. Sup.	2nd	Oct. 1, 92
			Lieut. C. W. H. Symonds, r.s.c.	A. Sup.	2nd	Nov. 1, 92
			H. T. Hanby	E. A. Sup.	2nd	May 1, 70
			R. B. Smart	E. A. Sup.	3rd	Dec. 1, 92
			G. T. Hall	E. A. Sup.	4th	Nov. 1, 89
			G. Vander Beek	S. A. S.	1st	Oct. 1, 92
			L. F. Berkeley	S. A. S.	1st	Aug. 16, 75
			P. C. H. Smart	S. A. S.	1st	Nov. 1, 91
			W. H. D. Ewing	S. A. S.	1st	Oct. 1, 92
			N. Bedford	S. A. S.	1st	Nov. 1, 92
			H. H. B. Hanby	S. A. S.	3rd	Oct. 1, 92
P. K. Vaughan	S. A. S.	3rd	Nov. 23, 91			
			Permanent Establishment	ditto		
			Temporary	ditto		

Department attached to Field Parties, 1st January 1893.

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.		
17	16	19	2	13	1,43,700	
119	74			6		
11	12	214	2	7	2,58,920	Offg. Deputy Superintendent, 1st grade.
193	60	500	20			
36	12	138	3	23	2,27,500	Offg. Deputy Superintendent, 1st grade. Offg. Assistant Superintendent, 1st grade.
222	56	698				

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.		
6	Assam (Cadastral.)	D. S. G. Rev.	E. C. Barrett	Sup.	2nd	July 25, 83		
			A. J. Gibson	E. A. Sup.	1st	Nov. 1, 92		
			J. Smith	S. A. S.	2nd	Nov. 1, 84		
			Recess quarters, Shillong			Permanent Establishment		
			Temporary ditto					
7	Amherst (Cadastral.)	D. S. G. Rev.	C. Wood	A. Sup.	1st	Dec. 1, 90		
			H. R. Littlewood	A. Sup.	2nd	Oct. 21, 85		
			W. C. Price	E. A. Sup.	2nd	Dec. 1, 92		
			G. W. Jarbo	E. A. Sup.	4th	Nov. 1, 86		
			J. Murphy	S. A. S.	1st	Nov. 1, 91		
			M. Gastaud	S. A. S.	1st	Oct. 1, 91		
			T. W. Babonau (Jr.)	S. A. S.	2nd	Dec. 30, 92		
			F. B. Powell	S. A. S.	2nd	Apr. 1, 90		
			Recess quarters, Rangoon			Permanent Establishment		
						Temporary ditto		
8	Orissa (Cadastral.)	D. B. S.	Lt. B. T. Crichton, i.s.o.	A. Sup.	1st	Nov. 1, 91		
			R. C. D. Ewing	E. A. Sup.	th	Sep. 12, 87		
			S. O. Madras	E. A. Sup.	4th	Oct. 1, 90		
			A. W. Smart	S. A. S.	1st	Nov. 1, 91		
			C. S. Kraal	S. A. S.	1st	Nov. 15, 88		
			E. F. Berkeley	S. A. S.	1st	Nov. 1, 90		
			J. P. Barker	S. A. S.	1st	Dec. 1, 89		
			C. S. Gasper	S. A. S.	2nd	Mar. 2, 88		
			Nilmoni Chatterjee	S. A. S.	3rd	Nov. 23, 91		
			Recess quarters, Cuttack			Permanent Establishment		
			Temporary ditto					

attached to Field Parties, 1st January 1893—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen (Computers, Estimators, etc.)	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
11	7	69	1	8	1,01,550	
158	31	330	...	...
...	...	...	...	...	...	Offg. Deputy Superintendent, 2nd grade.
...	...	...	...	...	...	Offg. Assistant Superintendent, 1st grade.
17	9	136	1	19	2,05,340	
110	85	950	...	...
...	...	...	...	...	...	Offg. Deputy Superintendent, 2nd grade.
13	9	56	3	23	2,60,000	
1,500	97	617	...	...

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
9	Central Provinces (Traverse.)	D. S. G. Rev.	Capt. W. J. Bythell, R. E.	A. Sup.	1st	Oct. 28, 92
			H. Dowman	E. A. Sup.	2nd	Nov. 1, 85
			C. George	S. A. S.	1st	Oct. 1, 92
			C. H. G. Johnson	S. A. S.	2nd	Nov. 1, 89
			G. Rae	S. A. S.	3rd	Nov. 19, 90
Recess quarters, Kamptee.			Permanent Establishment Temporary ditto			
10	Bombay (Topo.)	D. S. G. Rev.	Major J. R. Hobday, I.S.O.	P. Sup.	1st	Oct. 20, 91
			Lt. H. A. D. Fraser, R.E.	A. Sup.	2nd	Oct. 29, 91
			W. Todd	E. A. Sup.	1st	Oct. 1, 88
			W. Stotesbury	E. A. Sup.	3rd	Nov. 1, 90
			C. Tapsell	E. A. Sup.	3rd	Mar. 1, 88
			R. R. Dickinson	S. A. S.	1st	May 1, 86
			G. A. Knight	S. A. S.	1st	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.	1st	June 23, 92
			P. J. W. Doran	E. A. Sup.	4th	May 12, 90
			W. M. Kelly	S. A. S.	1st	Oct. 1, 92
			H. G. Shaw	S. A. S.	2nd	Oct. 1, 92
Recess quarters, Bangalore						
12	Minbu (Cadastral.)	D. S. G. Rev.	W. H. Patterson	D. Sup.	1st	Nov. 1, 91
			W. S. Buttress	E. A. Sup.	1st	Oct. 1, 89
			E. G. Little	E. A. Sup.	2nd	Feb. 1, 90
			J. S. Swiney	E. A. Sup.	4th	Nov. 1, 91
			A. George	S. A. S.	1st	Oct. 1, 92
			W. E. Johnson	S. A. S.	2nd	Nov. 1, 90
			F. S. Be	S. A. S.	2nd	Oct. 11, 89
			H. W. Elggle	S. A. S.	3rd	Jan. 1, 93
Recess quarters, Mandalay.			Permanent Establishment Temporary ditto			

attached to Field Parties, 1st January 1893—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
16 26	12 19	41 461	2	16	76,010	Offg. Deputy Superintendent, 2nd grade.
40	1	232	1	8		
10	1	129	1		79,510	Offg. Asst. Superintendent, 1st grade.
10 168	13 41	235 814	2	19		
						Offg. Superintendent, 2nd grade.
10 168	13 41	235 814	2	19	2,42,210	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
14	Nimar (Topo. Forests.)	D. S. G. Trig.	Col. J. R. Wilmer, i.s.o.	Sup.	2nd	Oct. 23, 88
			N. C. Gwynne	E. A. Sup.	2nd	Apl. 1, 90
			J. Keating	S. A. S.	1st	Oct. 1, 89
			D. Campbell	S. A. S.	1st	Apl. 17, 88
			B. R. Hughes	S. A. S.	1st	Oct. 1, 91
			J. O. Greiff	S. A. S.	3rd	Nov. 13, 91
			Rahmatulla	S. A. S.	3rd	Oct. 1, 92
Recess quarters, Mussoorie						
15	Baluchistan (Topo.)	D. S. G. Topo.	Bt.-Col. T. H. Holdich, v.s.	Sup.	1st	Oct. 16, 91
			Capt. R. J. H. L. Mackenzie, v.s.	D. Sup.	2nd	Oct. 1, 88
			T. E. M. Claudius	E. A. Sup.	3rd	Oct. 1, 88
			E. A. Walright	E. A. Sup.	4th	Oct. 1, 89
			H. T. Kitchen	E. A. Sup.	4th	June 29, 92
			G. P. Tate	S. A. S.	1st	July 13, 92
			Yusuf Sharif, Khan Bahadur	S. A. S.	2nd	Apl. 1, 89
			Raj Hira Sing, Bahadur	S. A. S.	2nd	Feb. 15, 88
Recess quarters, Quetta						
17	Bombay (Topo. Forests.)	D. S. G. Topo.	Col. H. S. Hutchinson, i.s.o.	Sup.	2nd	June 9, 91
			A. M. Lawson	E. A. Sup.	1st	Oct. 1, 88
			S. F. Norman	S. A. S.	1st	Sep. 1, 74
			C. Norman	S. A. S.	1st	Oct. 12, 74
Recess quarters, Poona						

attached to Field Parties, 1st January 1893—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
45	6	570	1	16	86,290	
12	1	183	1	2	1,19,330	
37	1	160		10	75,800	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.]	Class.	Grade.	Date of appointment to Party.
18	Himalaya (Topo.) Recess quarters, Simla .	D. S. G. Trig.	Major St. G. C. Gore, B.E.	D. Sup.	1st	Oct. 31, 90
			Lt. C. H. D. Ryder, B.E.	A. Sup.	2nd	Nov. 29, 91
			C. D. Potter	E. A. Sup.	3rd	Nov. 1, 87
			W. Robert	E. A. Sup.	4th	Sep. 1, 78
			W. A. Fielding	S. A. S.	1st	Oct. 1, 87
			P. F. Prunty	S. A. S.	1st	Sep. 1, 88
			R. W. Senior	S. A. S.	1st	Oct. 1, 89
19	Madras (Topo. Forests.) Recess quarters, Bangalore.	D. S. G. Topo.	Lt.-Col. J. R. McCullagh, B.E.	Sup.	2nd	June 21, 88
			C. F. Hamer	E. A. Sup.	3rd	Nov. 1, 87
			Hugh Todd	E. A. Sup.	3rd	Oct. 1, 78
			R. Todd	S. A. S.	1st	Oct. 1, 84
			T. J. J. Mills	S. A. S.	1st	Oct. 1, 84
20	Burma (Topo. Forests.) Recess quarters, Rangoon .	D. S. G. Topo.	E. J. Jackson	D. Sup.	1st	Nov. 15, 82
			W. A. Wilson	E. A. Sup.	1st	Nov. 15, 90
			J. A. Barker	E. A. Sup.	3rd	Dec. 1, 87
			A. Ewing	S. A. S.	1st	Nov. 1, 89
			H. A. Charrier	S. A. S.	2nd	Nov. 1, 89
21	Upper Burma (Topo.) Recess quarters, Bangalore.	D. S. G. Topo.	Capt. T. F. B. Benny-Tallyour, B.E.	D. Sup.	2nd	Nov. 4, 91
			W. C. G. Barchley	E. A. Sup.	4th	May 16, 90
			J. M. Kennedy	S. A. S.	1st	May 16, 91
			W. F. E. Adams	S. A. S.	2nd	Oct. 21, 91

attached to Field Parties, 1st January 1893—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
23	9	242	1	9	80,300	Offg. Assistant Superintendent, 1st grade.
32	1	275	1	35	75,150	
24	1	530	1	11	1,04,460	
11	1	108	1	4	78,980	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Senior and Junior Divisions.	Class.	Grade.	Date of appointment to Party.
22	Rajputana and Bombay (Astronomical.)	D. S. G. Trig.	Capt. S. G. Burrard, R.N.	D. Sup.	2nd	Nov. 2, 91
			Aulad Hussein	S. A. S.	3rd	Nov. 3, 91
	Recess quarters, Mussoorie					
23	N. W. P. and Bombay (Astronomical.)	D. S. G. Trig.	Lt. G. P. Lenox-Conyngham, R.N.	A. Sup.	1st	Oct. 1, 89
	Recess quarters, Mussoorie					
24	Upper Burma (Triangulation.)	D. S. G. Trig.	Capt. C. F. Close, R.N.	A. Sup.	1st	Sep. 8, 90
			Lt. J. M. Burn, R.N.	A. Sup.	2nd	Oct. 12, 91
			T. H. Rendell	E. A. Sup.	3rd	Sep. 15, 89
			J. Hickie	E. A. Sup.	4th	Oct. 1, 88
	Recess quarters, Mussoorie					
25	India and Burma (Tidal and Levelling.)	D. S. G. Trig.	Lt.-Col. J. Hill, R.N.	Sup.	2nd	Nov 18, 90
			Lt. C. C. D. Morice, R.N.	A. Sup.	2nd	Nov. 11, 91
			G. Belcham	E. A. Sup.	2nd	Sep. 1, 79
			E. J. Connor	E. A. Sup.	3rd	Dec. 1, 77
			J. Bond	E. A. Sup.	3rd	June 1, 88
	Recess quarters, Poona					

attached to Field Parties, 1st January 1893—continued.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Deputy Superintendent, 1st grade.
.	1	30	1	. . . . .	27,740	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Deputy Superintendent, 2nd grade.
.	2	30	1	. . . . .	23,380	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Deputy Superintendent, 2nd grade.
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Assistant Superintendent, 1st grade.
.	4	103	1	91	84,780	
. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	. . . . .	Offg. Assistant Superintendent, 1st grade.
5	13	34	. . . . .	9	71,070	

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 Recess quarters, Calcutta .	D. S. G. Rev.	Col. W. H. Wilkins, I.S.O.	Sup.	1st	Sep. 22, 90
			A. J. Wilson	E. A. Sup.	1st	May 8, 92
			Sarat Chuander Sen	S. A. S.	2nd	April 1, 92
			Permanent Establishment. Temporary ditto .			
Detacht.	Garhwal (Cadastral) Recess quarters, Naini Tal .	D. S. G. Rev.	T. F. Freeman	E. A. Sup.	4th	Oct. 1, 79
			W. Skilling	S. A. S.	2nd	Oct. 1, 85
			J. H. Murphy	S. A. S.	2nd	Nov. 1, 87
			Permanent Establishment Temporary ditto			
Detacht.	Indus Riverain (Special.)	D. S. G. Rev.	H. E. T. Keelan	E. A. Sup.	1st	Oct. 29, 92
Detacht.	Mergui (Topo.)	D. S. G. Rev.	J. A. Higgs	S. A. S.	1st	Nov. 1, 90
Recess quarters, Bangalore						

attached to Field Parties, 1st January 1893—concluded.

SUBORDINATE ESTABLISHMENT.					Annual cost of Party.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flazmen and Carriers.	Hospital Assistant.	Burkundazes and Peons.		
.	3	1	. . . . .	. . . . .	} 18,500	
2	14	17	. . . . .	6		
2	5	16	1	2	} 1,02,710	
241	196	378	. . . . .	2		
11	1	18	. . . . .	2	} 15,720	
. . . . .	. . . . .	64		
8	1	210	1	9	36,440	

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

Officers of the Senior Division.	Officers of the Junior Division.	Class.	Grade.	Govt. or Dept. to which transferred.	REMARKS.
<i>On Deputation.</i>					
Capt. F. B. Longe, B.E.	D. Sup.	1st	On duty at Royal Engineering Establishment, Chatham.
W. H. Reynolds	D. Sup.	1st	Forest Department,	
E. F. Litchfield	A. Sup.	1st	Ditto.	
C. F. Erskine	A. Sup.	1st	Hyderabad . . .	
J. H. O'Donel	E. A. Sup.	3rd	Aseam	
T. H. Dunne	E. A. Sup.	3rd	Central Provinces.	
J. R. Scott	E. A. Sup.	4th	Ditto.	
G. C. Swiney	E. A. Sup.	4th	Ditto.	
C. P. Torrens	E. A. Sup.	4th	Burma.	
G. E. Parker	E. A. Sup.	4th	Central Provinces.	
E. P. S. Hill	S. A. S.	1st	Ditto.	
P. A. Peters	S. A. S.	1st	Straits Settlements.	
T. S. Marten	S. A. S.	1st	Forest Department.	
J. Marten	S. A. S.	1st	Ditto.	
P. Beechey	S. A. S.	1st	Burma.	
J. A. T. Haddock	S. A. S.	2nd	Ditto.	
J. H. Nichol	S. A. S.	3rd	Forest Department.	
Imam Sharif, K.B.	S. A. S.	3rd	Zanzibar.	
C. Litchfield	S. A. S.	3rd	Forest Department	
<i>On Furlough, etc.</i>					
G. H. Cooke	D. Sup.	1st	For 18 months from 22nd May 1892.
Capt. H. M. Jackson, B.E.	D. Sup.	1st	For 1 year from 18th July 1892,
Capt. P. J. Gordon, I. S. C.	A. Sup.	1st	For 1 year 5th November 1892.
B. G. Gilbert-Cooper	A. Sup.	1st	For 1 year from 19th May 1892.
P. White	S. A. S.	1st	For 1 year from 24th March 1892.
R. F. Warwick	S. A. S.	1st	For 1 year from 28th May 1892.