

LIST OF OFFICERS
OF THE
SURVEY OF INDIA DEPARTMENT

CORRECTED TO

1st JANUARY 1898.



CALCUTTA :
OFFICE OF THE SUPERINTENDENT OF GOVERNMENT PRINTING, INDIA.
1898.

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GOVERNMENT OF INDIA CENTRAL PRINTING OFFICE,
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SURVEY OF INDIA DEPARTMENT.

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Classified List of Officers of the Imperial Service, Survey

No. under re-organisation scheme (A).	No. under old scheme.	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 1898.
IMPERIAL SERVICE.									
Surveyor-General.									
1	1	...	Strahan, Major-Genl. Charles, R.S.	Topogl.	. . . . .	6 5 43	Sep. 26, 1863	Mar. 26, 1895	...
Deputy Surveyor-General.									
1	1	...	Sandeman, Col. John Edward, I.S.O.	Rev.	PH.	3 9 43	Oct. 6, 1864	Mar. 26, 1895	...
		...	*Woodthorpe, Major-Genl. Robert Gosset, C.B., R.S. (Ofg.)	. . . . .	. . . . .	. . . . .	. . . . .	Nov. 10, 1897	...
Superintendent, Trigonometrical Surveys:									
1	1	...	*Gore, Lt.-Col. St. George Corbet, R.S.	. . . . .	. . . . .	. . . . .	. . . . .	May 1, 1894	...
Assistant Surveyor-Generals.									
3	3	1	Hobday, Lt.-Col. James Ramsay, I.S.O.	. . . . .	. . . . .	. . . . .	. . . . .	Feb. 4, 1897	...
		2	Pope, Thomas Archdale	. . . . .	. . . . .	. . . . .	. . . . .	June 10, 1897	...
		3	Spring, Alfred Edward	. . . . .	. . . . .	. . . . .	. . . . .	Jan. 22, 1897	...
Superintendents.									
1st GRADE. Salary R1,600.									
3	3	1	*Holdich, Col. Sir Thomas Hungerford, K.C.I.B., C.B., R.S.	Topogl.	LS.	18 2 43	July 23, 1866	Apr. 2, 1891	...
		2	Barrett, Edwin Clifford	Rev.	HS.	14 4 43	Dec. 30, 1868	Feb. 4, 1897	33 1 10
		3	*Woodthorpe, Major-Genl. Robert Gosset, C.B., R.S.	Topogl.	LS.	23 9 44	July 14, 1871 June 5, 1892B	June 10, 1897	...
2nd GRADE. Salary R1,300.									
6	7	1	Jackson, Edwin James	Rev.	HS.	6 11 44	Nov. 5, 1868	Mar. 26, 1895	28 7 10
		2	*Gore, Lt.-Col. St. George Corbet, R.S.	G. T. S.	. . . . .	24 2 49	Apr. 11, 1873	Dec. 12, 1895	...
		3	Hobday, Lt.-Col. James Ramsay, I.S.O.	Topogl.	HS.; Colloquial Burmese and LS. Shan.	16 7 50	Sep. 11, 1874	Dec. 25, 1895	...
		4	*Longe, Major Francis Bacon, R.S.	†	. . . . .	31 10 56	Mar. 15, 1880	Jan. 21, 1896	...
		5	*Wahab, Lt.-Col. Robert Alexander, C.B., R.S.	†	HS.; HP. Urdu; HS. Persian; HS. Pushtu.	14 4 55	Jan. 8, 1883	Dec. 12, 1896	...
		6	Reynolds, William Henry, R.S.	†	LS.	20 2 43	Oct. 24, 1890	Feb. 4, 1897	34 10 10
		7	Hodgson, Capt. Godfrey Heckett, I.S.O.	†	HS.	28 10 58	Sep. 12, 1883	June 10, 1897	...

§ Applies only to Officers who are under the Uncovenanted Service Rules.
† Joined the Department after the amalgamation on the 1st January 1874.
(A) Department of Revenue and Agriculture Resolution No. 2, dated 27th March 1895.
(B) Date of re-appointment.
* Elected for continuous Indian Service.

of India Department, as it stood on 1st January 1898.

Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
Y. M. D.			
R a. p.			
3,000 0 0	. . . . .	. . . . .
2,040 0 0	. . . . .	. . . . .	Furlough for 1 year and 126 days, from 1st May 1897.
1,600 0 0	(a) Local, R200 .	. . . . .
1,300 0 0	(b) Presidency, R60	. . . . .	In charge, Surveyor-General's and Mathematical Instrument Offices, Head-Quarters, Calcutta.
1,000 0 0	(b) Presidency, R60	. . . . .	In charge, Lithographic and Photographic Offices, Head-Quarters, Calcutta.
1,000 0 0	(b) Presidency, R60	. . . . .	In charge, Engraving and Drawing Offices, Head-Quarters, Calcutta.
1,600 0 0	. . . . .	In charge, No. 15 (Baluchistan), Drawing Office, Simla, and Superintending North-Western Trans-frontier Survey detachments with expeditionary forces.	
2 . . . . .	. . . . .	. . . . .	Joined the Junior Division, 18th November 1892. Furlough for 6 months, from 12th May 1897. Extension for 6 months and 9 days. Officiating Deputy Surveyor-General.
1,600 0 0	. . . . .	In charge, No. 3 (Upper Burma)	Joined the Junior Division, 26th September 1894. Officiating Superintendent, 1st Grade.
2 . . . . .	. . . . .	Superintendent, Trigonometrical Surveys, Dehra Dun.	Ditto ditto.
3 . . . . .	. . . . .	Head-Quarters, Calcutta.	
1,482 10 0	. . . . .	General Superintendence of the Survey detachments with China-Burma Boundary Delineation Commission.	
5,482 10 0	. . . . .	In charge, Kurram Valley Survey detachment.	
1,300 0 0	Staff, R100 .	On deputation, Forest Department, as Superintendent, Forest Surveys.	Service in Forest Department, from 1st January 1871 to 23rd October 1890.
1,300 0 0	. . . . .	In charge, No. 14 (Lushai).	

(a) Secretary of State's Despatch No. 43 (Revenue), dated 19th April 1894.
(b) Department of Agriculture, Revenue and Commerce memorandum No. 213, dated 14th May 1878.

Classified List of Officers of the Imperial Service, Survey of India Department, as it stood on 1st January 1898—continued.

No. under re-organisation scheme.	No. under old scheme.	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 served towards pension on 1st January 1898.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
IMPERIAL SERVICE—contd.													
Deputy Superintendents.													
1st GRADE. Salary R1,000.													
7	9	1	Burrard, Major Sidney Gerald, R.E.	†	LS.	12 8 60	Sep. 2, 1884	Jan. 1, 1895	1	1,482 10 0	(c) Deputation, R100.	In charge, No. 25 (Tidal and Levelling).	Officiating Superintendent, 2nd grade.
		2	Scott, George Batley . . .	Rev.	{ HS. LS. Burmese }	31 7 44	Nov. 10, 1884	Mar. 26, 1895	34 8	2 1,300 0 0	(d) Extra, R100 .	On deputation as Superintendent, Settlement Surveys, N.-W. P.	{ Joined the Junior Division, 1st May 1863. Officiating Superintendent, 2nd grade.
		3	Eccles, John, M.A.* . . .	†	. . . . .	9 9 57	May 30, 1885	Dec. 12, 1895	12 7	8 1,000 0 0	. . . . .	In charge computing, Dehra Dún,	
		4	Fleming, Capt. John Murchison, I.S.C.	†	{ HS. and LS. Persian }	12 8 58	July 3, 1885	Dec. 17, 1895	. . .	4 . . . . .	. . . . .	. . . . .	Furlough for 1 year and 7 months, from 13th November 1897,
		5	Pope, Thomas Archdale . .	†	Telugu, Tamil,	21 6 58	Oct. 1, 1886	Dec. 25, 1895	11 8	5 . . . . .	. . . . .	Head-Quarters, Calcutta . .	
		6	Renny-Tailyour, Capt. Thomas Francis Bruce, R.E.	†	. . . . .	8 6 63	Apl. 1, 1888	Jan. 21, 1896	. . .	6 1,140 0 0	. . . . .	In charge, Survey detachment with China-Burma Boundary Delimitation Commission.	
		7	Bythell, Lt.-Major William John, R.E.	†	LS.	9 9 62	May 29, 1889	Jan. 1, 1897	. . .	7 1,140 0 0	. . . . .	In charge, Mohmand Survey detachment.	
		8	Lenox-Conyngham, Capt. Gerald Ponsonby, R.E.	†	. . . . .	21 8 66	July 16, 1889	Feb. 4, 1897	. . .	8 1,140 0 0	. . . . .	In charge, Nos. 22 and 23 (Astronomical).	
		9	Crichton, Capt. Richmond Trevor, I.S.C.	†	HS.	8 3 65	Dec. 16, 1889	June 10, 1897	. . .	9 1,000 0 0	(e) Local, R100 .	Superintendent of Settlement Surveys in Bengal, and in charge, No. 4 (Bihar).	
2ND GRADE. Salary R850.													
7	9	1	Litchfield, Edward Ferdinand†	†	HS.	23 1 52	Oct. 24, 1890	Dec. 12, 1895	25 11	1 . . . . .	. . . . .	On deputation, Forest Department,	{ Service in Forest Department, from 16th October 1876 to 23rd October 1890. Furlough for 9 months, from 24th June 1897.
		2	Gordon, Capt. Philip James, I.S.C.	†	HS	2 6 59	Nov. 10, 1890	Dec. 17, 1895	. . .	2 . . . . .	. . . . .	. . . . .	Furlough for 1 year, from 6th June 1897.
		3	Gilbert-Cooper, Bryan Gardiner	†	{ HS. Sindhi, HS. Marathi }	24 6 57	Feb. 19, 1891	Dec. 25, 1895	4 8	8 1,000 0 0	. . . . .	In charge, No. 7 (Lower Burma)	Officiating Deputy Superintendent, 1st grade.
		4	Erskine, Claude Francis . .	†	{ HS. Sindhi, LS. Marathi }	15 10 55	Feb. 19, 1891	Jan. 21, 1896	6 10	4 1,000 0 0	. . . . .	In charge, No. 12 (Sind)	Ditto ditto ditto.
		5	Spring, Alfred Edward . . .	†	{ HS. Marathi, LS. Siudhi }	4 1 55	Feb. 18, 1891	Jan. 23, 1896	11 11	0 . . . . .	. . . . .	Head-Quarters, Calcutta . .	Ditto ditto ditto.
		6	*Burn, Capt. James Montague, R.E.	†	LS.	18 12 66	May 17, 1891	Dec. 12, 1896	. . .	6 850 0 0	(f) Baluchistan, R100.	In charge, No. 24 (Baluchistan).	
		7	*Fraser, Capt. Howard Alan Denholm, R.E.	†	...	19 6 67	Oct. 29, 1891	Feb. 4, 1897	. . .	7 850 0 0	. . . . .	In charge, Nos. 9 & 19 (Madras)	
		8	*Ryder, Capt. Charles Henry Dudley, R.E.	†	HS. and LS. Pushtu.	28 6 68	Nov. 29, 1891	Mar. 1, 1897	. . .	8 . . . . .	. . . . .	. . . . .	Furlough for 2 years, from 20th March 1897.
		9	Pemberton, James Stewart . .	Rev.	LS.	8 7 43	Apl. 1, 1892	June 10, 1897	27 2	9 850 0 0	. . . . .	In charge, Nos. 2 & 8 (N.-W. P. and Oudh).	Joined the Junior Division, 6th October 1860.

‡ Applies only to Officers who are under the Uncovenanted Service Rules.
† Joined the Department after the amalgamation on the 1st January 1874.
‡ 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.
• Elected for continuous Indian Service.

(c) Department of Revenue and Agriculture, No. 519-81-4, dated 18th September 1894.
(d) Secretary of State's Despatch No. 27 (Revenue), dated 14th March 1896.
(e) Secretary of State's Despatch No. 89 (Revenue), dated 15th August 1896.
(f) Financial Resolution No. 6820, dated 25th October 1889.

Classified List of Officers of the Imperial Service, Survey

No. under re-organisation scheme.	No. under old scheme.	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 counted towards pension on 1st January 1898.
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Y. M.

IMPERIAL SERVICE—concl'd.

Assistant Superintendents.

1ST GRADE. Salary R600.

7	10	1	Symonds, Capt. Charles William Herbert, I.S.O.	†	HS.	5 9 65	Sep. 28, 1892	Dec. 17, 1895	..
		2	Atkinson, George William Elliot.	G. T. S.	. . . .	11 10 43	Nov. 8, 1892	Dec. 25, 1895	38 2
		3	Robertson, Capt. Charles Lonsdale, B.E.	†	LS.	13 2 67	May 3, 1894	Jan. 21, 1896	..
		4	*Coldstream, Lieut. William Menzies, A.E.	†	LS. and HS. Pushtu.	19 2 69	Nov. 25, 1894	Jan. 23, 1896	..
		5	Transferred to the Provincial Service.	. . . .	. . . .	. . . .	. . . .	. . . .	..
		6	Ditto ditto . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	..
		7	Ditto ditto . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	..
		8	Pirrie, Lieut. Francis William, I.S.O.	†	HS. and LS. Pushtu.	23 8 67	June 11, 1895	Mar. 1, 1897	..
		9	Hare, Lieut. Humphrey John, B.E.	†	LS. Pushtu	16 2 69	Jan. 8, 1897	June 10 1897	..
		10	Hume, Lieut. Arthur Henry Bliss, B.E.	†	LS. and Parvatya.	19 2 68	Jan. 24, 1897	Dec. 10, 1897	..

2ND GRADE. Salary R500.

6	10	1	Turner, Lieut. Horace Harrison, B.E.	†	. . . .	13 8 67	Apl. 22, 1897	. . . .	..
			Benzeley, Lieut. George Adam, B.E.	†	. . . .	7 7 70	Oct. 12, 1897	. . . .	..
		3	Crothwait, Lieut. Herbert Leland, B.E.	†	. . . .	26 12 67	Nov. 22, 1897	. . . .	..
		4	Tandy, Lieut. E.A., B.E.	†	. . . .	. . . .	. . . .	. . . .	..
		5	Mears, Lieut. Arthur I.S.O.	†	. . . .	15 6 69	Nov. 21, 1897	. . . .	..
		6	Vacant . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	..
		7	Ditto . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	..
		8	Ditto . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	..
		9	Ditto . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	..
		10	Ditto . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	..

§ Applies only to Officers who are under the Uncovenanted Service Rules.
 † Joined the Department after the amalgamation on the 1st January 1878.
 * Elected for continuous Indian Service.

India Department, as it stood on 1st January 1898—concluded.

No. existing in each grade.	Consolidated Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
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N a. p.

1	800 0 0	In charge, No. 6 (Assam)	Officiating Deputy Superintendent, 2nd grade.
2	800 0 0	. . . . .	Drawing Office, Simla	Joined the Junior Division, 1st August 1898. Officiating Deputy Superintendent, 2nd grade.
3	940 0 0	. . . . .	In charge, Malakand Survey detachment.	Ditto ditto, ditto.
4	870 0 0	(g) Upper Burma, R100.	In charge, No. 10 (Upper Burma)	Ditto ditto, ditto.
5	. . . . .	. . . . .	. . . . .	. . . . .
6	. . . . .	. . . . .	. . . . .	. . . . .
7	. . . . .	. . . . .	. . . . .	. . . . .
8	600 0 0	. . . . .	In charge, Tochi Valley Survey detachment.	. . . . .
9	670 0 0	{(g) Upper Burma, R100. (A) Charge, R100}	In charge, No. 21 (Upper Burma).	. . . . .
10	670 0 0	{(g) Burma, R100 (A) Charge, R100}	In charge, No. 20 (Burma).	. . . . .

1	570 0 0	(f) Baluchistan, R100.	No. 24 (Baluchistan).	. . . . .
2	570 0 0	. . . . .	No. 22 (Astronomical).	. . . . .
3	570 0 0	. . . . .	No. 25 (Tidal and Levelling)	. . . . .
4	570 0 0	. . . . .	. . . . .	Not joined yet.
5	500 0 0	. . . . .	Nos. 9 and 19 (Madras)	On probation.
6	. . . . .	. . . . .	. . . . .	. . . . .
7	. . . . .	. . . . .	. . . . .	. . . . .
8	. . . . .	. . . . .	. . . . .	. . . . .
9	. . . . .	. . . . .	. . . . .	. . . . .
10	. . . . .	. . . . .	. . . . .	. . . . .

(f) Financial Resolution No. 5828, dated 26th October 1888.
 (g) Department of Finance and Commerce No. 756, dated 11th February 1898.
 (A) Department of Agriculture, Revenue and Commerce memorandum No. 731, dated 31st October 1875.

Classified List of Officers of the Provincial Service, Survey

No. under re-organisation scheme. (a)	No. under old scheme.	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 1888.
PROVINCIAL SERVICE.									
Extra Deputy Superintendents.									
1st GRADE. Salary R800.									
2	...	1	Vacant						
		2	Ditto						
2ND GRADE. Salary R650.									
3	...	1	Vacant						
		2	Ditto						
		3	Ditto						
Extra Assistant Superintendents.									
1st GRADE. Salary R850.									
3	3	1	Belcham, George Patrick (Supernumerary).	G. T. S.	HS.	14 2 45	Nov. 1, 1862	Apl. 1, 1896	35 2 0
3	3	2	Pocock, Lovell Jeremiah (Supernumerary).	G. T. S.	HS.	26 9 43	July 10, 1863	Apl. 1, 1896	34 0 7
3	3	3	Clandius, Thomas Ernest (Supernumerary).	Topogl.		1 6 46	Aug. 1, 1863	Feb. 4, 1897	31 7 0
3	3	4	McMahon (Supernumerary).	Rev.	LS.	3 6 43	Jan. 1, 1861	Dec. 18, 1893	33 6 28
3	3	5	Wilson, William Alexander	Rev.		19 2 44	Oct. 1, 1860	Dec. 2, 1896	37 4 0
3	3	6	Buttress, William Samuel	Rev.		11 10 45	Nov. 5, 1862	Dec. 14, 1897	32 2 10
2ND GRADE. Salary R800.									
6	5	1	Dowman, Henry	Rev.		11 6 46	Oct. 16, 1862	Nov. 26, 1895	35 2 1
		2	Wyatt, Alexander George	Topogl.		25 2 45	Nov. 1, 1861	May 23, 1893	32 10 0
		3	Hanby, Henry Townsend	Rev.	LS.	20 10 45	Nov. 13, 1862	Dec. 2, 1896	34 5 18
		4	Christie, Albert Douglas Lincoln	G. T. S.	HS. LS. Marathi.	29 9 45	Aug. 7, 1863	Jan. 1, 1897	31 9 4
		5	Price, Walter Casperz	G. T. S.		23 6 46	Nov. 1, 1863	Sept. 2, 1897	31 6 0
		6	McA'Fee, Charles Henry	G. T. S.	LS.	14 11 49	Sep. 6, 1864	Dec. 14, 1897	28 0 17
3RD GRADE. Salary R450.									
8	7	1	Hamer, Charles Fredrick	Topogl.		6 10 46	Aug. 3, 1863	Apl. 1, 1896	31 4 21
		...	O'Donel, James Hoppner	Rev.		10 7 45	Oct. 1, 1863	June 8, 1896	32 5 28
		2	Stotesbury, William	Topogl.	{ HS., LS., Canarese }	26 7 47	Oct. 4, 1864	Oct. 13, 1896	30 5 0
		3	James, Alfred John	Topogl.	LS.	19 11 46	June 15, 1864	Oct. 13, 1896	31 1 12
		4	Rendell, Thomas Henry	G. T. S.		23 7 44	Oct. 11, 1864	Dec. 12, 1896	33 1 20
		5	Fapsell, Charles Edward	Topogl.	LS.	14 11 44	Aug. 12, 1864	Jan. 1, 1897	33 1 17
		6	Smart, Robert Boddington	Rev.	LS.	28 6 47	Jan. 1, 1865	Feb. 4, 1897	30 6 0
		7	Todd, Hugh	G. T. S.		16 8 47	July 15, 1865	Sep. 2, 1897	30 3 18
		8	Counor, Edwin Jocelyn	G. T. S.	LS.	18 8 48	Mar. 1, 1865	Dec. 14, 1897	28 10 10

(a) Department of Revenue and Agriculture, Resolution No. $\frac{6}{64}$, dated 27th March 1895.

of India Department, as it stood on 1st January 1898.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
R a p.				
1	...	...	...	To be filled under re-organisation scheme.
2	...	...	...	Ditto ditto.
1	...	...	...	Ditto ditto.
2	...	...	...	Ditto ditto.
3	...	...	...	Ditto ditto.
1	550 0 0	{ (a) Deputation, R50 (b) Personal, R50	No. 25 (Tidal and Levelling).	Service reckoned under old rules.
2	550 0 0	{ (c) Charge, R100 (b) Personal, R50	In temporary charge, No. 18 (Himalaya).	Exclusive of 89 days' sick leave.
3	550 0 0	{ (d) Baluchistan, R80 (b) Personal, R50	No. 15 (Baluchistan).	
4	550 0 0	(d) Burma, R50	No. 20 (Burma)	Furlough for 1 year, from 24th March 1899.
5	550 0 0		Nos. 2 and 8 (N.-W. P. and Oudh)	Copyist from 1st to 30th September 1890.
6	550 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma)	Apprentice from 1st January 1890. Exclusive of 5 years 10 months and 10 days' service under 20 years of age.
1	500 0 0		No. 4 (Bihar)	Absent without leave 3 days, sick leave 2 days in October, 4 days in December 1895, and 6 days in December 1896.
2	500 0 0		Nos. 9 and 19 (Madras)	Inclusive of furlough out of India, from 11th November 1883 to 6th November 1884, under suspension from 3rd to 7th November 1886.
3	...		Head Quarters, Calcutta	Furlough in India for 1 year, from 1st May 1897.
4	500 0 0		Computing, Dehra Dún	Exclusive of furlough in India, from 10th November 1890 to 15th May 1897.
5	500 0 0	(d) Burma, R50	No. 7 (Lower Burma).	
6	500 0 0		Drawing Office, Dehra Dún	Passed the Poona C. E. College examination in 1864. Sick leave for 1 month, from 30th December 1882.
1	450 0 0		Nos. 9 and 19 (Madras)	
...	...		On deputation, Assam.	
2	600 0 0		Chief Draftsman, (sub. pro tem) Head-Quarters, Calcutta.	
3	450 0 0	(e) Upper Burma, R80	No. 21 (Upper Burma).	
4	450 0 0	(f) Presidency, R30	Head-Quarters, Calcutta.	
5	450 0 0	(c) Charge, R100	In temporary charge, No. 17 (Bombay Forests).	
6	450 0 0		Nos. 2 and 8 (N.-W. P. and Oudh)	Apprentice from 1st January 1864.
7	450 0 0		Nos. 9 and 19 (Madras)	Exclusive of 33 days' sick leave, from 2nd November 1888.
8	450 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.

(a) Department of Revenue and Agriculture No. $\frac{519}{81-4}$, dated 18th September 1884.(b) Department of Revenue and Agriculture No. $\frac{8}{81-4}$, dated 6th March 1897.

(c) Secretary of State's Despatch No. 121, dated 7th May 1895.

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

(e) Department of Finance and Commerce No. 758, dated 11th February 1890.

(f) Financial Resolution No. 704, dated 22nd February 1868.

Classified List of Officers of the Provincial Service, Survey of

No. under re-organisation scheme.	No. under old scheme.	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 1898.
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Y. M. D.

PROVINCIAL SERVICE—contd.

Extra Assistant Superintendents—contd.

4TH GRADE. Salary R400.

13	10	1	Connor, James	Rev.	. . . .	27 8 47	Feb. 15, 1865	Dec. 18, 1893	30 3 24
		...	Dunne, Thomas Henry	Rev.	LS.	25 12 49	Feb. 15, 1865	July 6, 1894	27 11 26
		2	Bond, James	G. T. S.	. . . .	6 1 50	Oct. 18, 1866	July 6, 1894	27 11 5
		3	Potter, Clemons Defries	G. T. S.	LS.	19 8 45	Oct. 29, 1866	Mar. 27, 1895	31 1 0
		4	Wainright, Edwin Alfred	Topogl.	. . . .	8 6 48	May 1, 1866	Mar. 27, 1895	29 6 23
		5	Barker, James Alexander	Topogl.	. . . .	13 4 46	Sep. 18, 1865	Nov. 26, 1895	31 8 10
		6	Ewing, Richard Cunningham Dundee.	Rev.	HS.	10 6 48	June 9, 1866	June 8, 1896	28 5 25
		7	Cornelius, Walter John	Topogl.	LS.	31 3 49	Aug. 15, 1866	Oct. 13, 1896	28 9 1
		8	Todd, Robert	Topogl.	. . . .	12 7 45	Nov. 1, 1863	Dec. 12, 1896	32 5 20
		9	Jarho, George William	Rev.	LS.	5 9 47	Nov. 1, 1866	Jan. 1, 1897	30 3 0
		10	Doran, Patrick John William	Topogl.	LS.	5 5 49	Feb. 1, 1867	Sept. 2, 1897	28 7 27
		...	Scott, James Reid	Rev.	LS.	5 3 49	Jan. 19, 1867	Dec. 14, 1897	28 9 27
		11	McHatton, John	Rev.	LS.	17 7 49	July 1, 1867	Dec. 14, 1897	27 5 14
		12	Vacant . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .
		13	Ditto . . . .	. . . .	. . . .	. . . .	. . . .	. . . .	. . . .

5TH GRADE. Salary R360.

15	15	1	Hickie, John	G. T. S.	LS.	13 1 49	Apr. 29, 1868	May 23, 1893	28 5 10
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India Department, as it stood on 1st January 1898—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
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R a. p.

1	400 0 0	(e) Upper Burma, R80.	No. 3 (Upper Burma).	
...	On deputation, Egypt	Absent without leave 1 day and sick leave 10 days in October 1865.
2	400 0 0	(d) Assam R50	No. 25 (Tidal and Levelling)	Exclusive of 20 days' sick leave in February 1875.
3	400 0 0	. . . .	No. 18 (Himalaya)	Exclusive of 33 days' sick leave. Obtained a Civil Engineer's certificate at the Madras C. E. College in 1866.
4	400 0 0	. . . .	Tirah Survey Detachment.	
5	400 0 0	(f) Presidency, R30	Head-Quarters, Calcutta	Exclusive of sick leave from 18th to 25th May 1893.
6	400 0 0	(d) Baluchistan R80	No. 12 (Sind)	Furlough from 17th September 1885 to 11th September 1887.
7	400 0 0	(g) Simla, R25	Drawing Office, Simla.	
8	400 0 0	. . . .	Nos. 9 and 19 (Madras)	Under suspension from 11th May to 6th June 1883.
9	400 0 0	(d) Burma, R50	No. 7 (Lower Burma)	Apprentice Draftsman from 6th April 1866.
10	400 0 0	(e) Upper Burma, R80 (c) Charge R100.	In temporary charge, No. 11 (Upper Burma).	Apprentice from 18th December 1866. Sick leave for 15 days, from 26th May to 8th June 1869.
...	. . . .	. . . .	On deputation, Central Provinces.	
11	400 0 0	. . . .	Nos. 2 and 8 (N.-W. P. and Oudh).	Furlough for 1 year, from 1st January 1879.
12	. . . .	. . . .	. . . .
13	. . . .	. . . .	. . . .

1	350 0 0	(d) Baluchistan, R80	No. 24 (Baluchistan)	Exclusive of 6 months' sick leave from 1st March 1873.
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(c) Secretary of State's Despatch No. 121, dated 7th May 1885.

(d) Financial Resolution No. 6826, dated 26th October 1898.

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

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

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

Classified List of Officers of the Provincial Service, Survey of

No. under re-organisation scheme.	No. under old scheme.	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 counted towards pension on 1st January 1898.
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Y. M. D.

PROVINCIAL SERVICE—contd.

Extra Assistant Superintendents—contd.

5TH GRADE. Salary R360—concl'd.

2	Cusson, Geoffrey D'Estival	G. T. S.	LS.	23 9 46	May 8, 1868	July 6, 1893	29 7 29
3	Swiney, George Carleton	Rev.		27 6 49	Sep. 17, 1868	Dec. 18, 1893	28 6 4
4	Swiney, John Sidney	Rev.		19 12 50	Jan. 5, 1869	Dec. 18, 1893	27 0 12
...	Torrens, Charles Patton	G. T. S.		19 6 51	Dec. 12, 1868	July 6, 1894	28 0 10
5	Robert, William	Topogl.		27 2 51	Aug. 21, 1869	July 6, 1894	26 10 2
6	Wilson, Charles Walker	Rev.	LS., ES. Burmese.	9 11 45	June 21, 1867A	Aug. 7, 1894	29 9 22
7	Parker, George Edwin	Rev.	Hindi	18 2 50	Nov. 18, 1870	Mar. 27, 1895	27 1 13
8	Hall, George Thomas	G. T. S.	LS.	3 12 51	Nov. 22, 1872	Mar. 27, 1895	25 1 9
9	Vander-Beeck, George Gerard	Topogl.	LS.	16 9 49	July 1, 1872	Mar. 27, 1895	27 2 21
10	Penrose, William Henry	Rev.	LS.	6 10 51	Aug. 11, 1869	Nov. 26, 1895	25 7 17
11	Smart, Arthur William	Rev.		27 2 51	Dec. 1, 1871	June 8, 1896	25 10 0
12	Shaw, Thomas	Rev.	LS.	15 11 52	Apr. 21, 1869	Oct. 13, 1896	25 1 15
13	Campbell, George	Rev.		13 7 48	Mar. 1, 1871	Dec. 12, 1896	27 11 9
14	Murphy, John	Rev.		12 7 52	Nov. 1, 1871	Jan. 1, 1897	25 6 19
15	Kelly, William Mathew	Rev.	LS.	6 8 54	Oct. 1, 1872	Feb. 5, 1897	23 4 25

6TH GRADE. Salary R300.

20	20	1	Barekley, William Cyclone Groome	Topogl.		22 10 51	Dec. 1, 1871	May 23, 1893	25 6 28
		2	*Hill, Elliot Playfair Smyth	Rev.	HS., LS. Persian.	14 7 55	Nov. 16, 1872	May 23, 1893	22 5 15
		3	Dickinson, Richard Randall	Rev.	LS.	25 7 52	Apr. 16, 1873	May 23, 1893	25 9 0
		4	Knight, George Arthur	Topogl.		22 4 54	Aug. 11, 1873	May 23, 1893	23 6 11
		5	Fielding, William Augustus	G. T. S.	LS.	17 5 48	May 1, 1868	May 23, 1893	29 7 14

(A) Commencement of second service.

(B) Date of re-appointment.

* Passed the Central Provinces Settlement Department Examination in Revenue Law and Procedure by the Higher Standard.

India Department, as it stood on 1st January 1898—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
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R. a. p.

2	350 0 0	(e) Upper Burma, R80.	No. 10 (Upper Burma)	Inclusive of furlough out of India for 364 days, from 1st November 1879.
3	350 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma).	
4	350 0 0	(d) Burma, R50	No. 7 (Lower Burma).	
...			On deputation, Burma	Exclusive of 2 days' overstayed privilege leave.
5	350 0 0		No. 18 (Himalaya).	
6	350 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma)	Sick leave for 3 months from 1st March 1869, 2 months from 1st August 1869, and from 22nd April to 31st May 1892. Leave on private affairs for 2 months and 10 days from 23rd March 1897.
7	350 0 0	(f) Presidency, R30.	Head-Quarters, Calcutta	Passed the Poona C. E. Examination in 1864. Passed in Hindi as notified in the C. P. Gazette of 26th January 1889.
8	350 0 0	(c) Upper Burma, R80.	No. 10 (Upper Burma).	
9	350 0 0		No. 12 (Sind)	Apprentice Draftsman from 11th October 1870.
10	350 0 0	(d) Assam R50	No. 6 (Assam)	Medical leave from 22nd October to 28th November 1893, and from 3rd August 1866 to 2nd February 1887, excluded.
11	350 0 0	(A) Settlement, R50	No. 4 (Bihar)	Sick leave for 3 months from 8th July 1860.
12	350 0 0		Nos. 2 and 8 (N.-W. P. and Oudh).	
13	450 0 0		Head Draftsman (sub pro tem.) Head-Quarters, Calcutta.	Office Assistant from 1st January 1864. Furlough for 1 year, from 22nd September 1881. Medical leave from 16th March to 15th September 1891.
14	350 0 0		Nos. 2 and 8 (N.-W. P. and Oudh.)	Office Assistant from 22nd November 1862.
15	350 0 0	(e) Upper Burma, R80.	No. 11 (Upper Burma)	Inclusive of service in the Forest Department from 1st November 1877 to 30th September 1878.

1	300 0 0		Nos. 9 and 19 (Madras)	Inclusive of special leave to Europe on full pay for 1 year 10 months and 28 days, from 7th April 1876. Suspended from office from 18th to 18th May 1898.
2	300 0 0	(f) Presidency, R30	Head-Quarters, Calcutta.	
3	300 0 0	(g) Simla, R25	Drawing Office, Simla	Apprentice from 1st April 1872.
4	300 0 0	(d) Baluchistan, R80	No. 15 (Baluchistan)	Medical leave from 12th May to 7th July 1892.
5	300 0 0		In charge, Training School, Dehra Dún.	Inclusive of service in the Bombay Secretariat, from 1st April 1886 to 30th September 1887.

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

(e) Department of Finance and Commerce No. 766, dated 11th February 1899.

(f) Financial Resolution No. 704, dated 22nd February 1896.

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

(A) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 1899.

Classified List of Officers of the Provincial Service, Survey of

No. under re-organisation scheme.	No. under old scheme.	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 1898.
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Y. M. D.

PROVINCIAL SERVICE—contd.

Extra Assistant Superintendents—concl'd.

6TH GRADE. Salary R800—concl'd.

6	Marten, Thoma Sinclair . . .	Forest Surv.	. . .	23 2 46	Oct. 6, 1888	May 23, 1893	23 9 18
7	Prunty, Patrick Fitzroy . . .	G. T. S.	. . .	24 12 54	May 9, 1874	Nov. 15, 1893	23 0 7
8	White, Patrick . . .	Topogl.	LS.	10 10 50	Oct. 1, 1872	Nov. 25, 1893	21 4 6
9	Keating, James . . .	G. T. S.	. . .	4 5 54	June 1, 1874	July 6, 1894	23 7 0
10	Norman, Sydney Frederick . . .	G. T. S.	. . .	8 8 54	Sep. 1, 1874	Aug. 7, 1894	23 4 0
11	Norman, Charles Arthur . . .	G. T. S.	LS.	18 6 56	Oct. 12, 1874	Mar. 27, 1895	21 7 12
12	Kraal, Charles Samuel . . .	Rev.	LS.	25 10 53	July 24, 1874	Mar. 27, 1895	23 4 21
13	Berkeley, Lionel Fitz-Hardinge . . .	Rev.	LS.	28 8 54	Aug. 16, 1875	Apr. 27, 1895	22 4 18
14	Marten, James . . .	Forest Surv.	. . .	27 9 51	Oct. 6, 1888	Oct. 27, 1895	22 2 10
15	Tate, George Passman . . .	†	LS. & HS. Baluchi.	22 7 56	Mar. 12, 1878	Nov. 25, 1895	21 5 9
16	Kennedy, Joseph Michael . . .	G. T. S.	. . .	2 11 56	Aug. 19, 1875	June 8, 1896	20 7 28
...	Smart, Patrick Colin Henry . . .	†	. . .	16 9 55	Apr. 18, 1878	Oct. 13, 1896	19 3 6
17	Warwick, Robert Francois . . .	G. T. S.	LS.	25 3 55	July 2, 1875	Oct. 13, 1896	19 8 2
18	George, Alfred . . .	†	LS.	14 1 55	Oct. 15, 1878	Jan. 1, 1897	19 2 17
19	George, Christopher . . .	†	L.S. Burmese LS.	7 12 52	Sep. 5, 1878	Feb. 5, 1897	23 4 14
20	Waller-Senior, Robert . . .	†	LS.	13 11 60	Dec. 21, 1878	Mar. 21, 1897	16 8 19

Sub-Assistant Superintendents.

1ST GRADE. Salary R200 rising to R280.

22	22	1	Madras, Septimus Oswald . . .	Rev.	. . .	14 8 50	July 6, 1868	Aug. 7, 1894	27 0 2
...	...	...	Ewing, Walter Herbert Donald . . .	†	LS.	23 8 57	Apr. 15, 1878	May 16, 1889	19 6 15
2			Higgs, John Adolphus . . .	†	LS.	18 4 59	Sep. 12, 1881	Nov. 10, 1890	18 0 0

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

India Department, as it stood on 1st January 1898—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
6	300 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department from 14th March 1874. Joined as Computer, 1st December 1873.
7	300 0 0	(d) Baluchistan, R80	No. 24 (Baluchistan).	
8	300 0 0	(e) Upper Burma, R80.	No. 11 (Upper 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 16th 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.
9	300 0 0	(d) Assam, R50 . . .	No. 14 (Lushai).	
10	300 0 0	. . . . .	No. 17 (Bombay Forests).	
11	300 0 0	. . . . .	No. 17 (Bombay Forests).	
12	300 0 0	(h) Settlement, R50 . . .	No. 4 (Bihar)	Sick leave from 6th to 22nd February 1879.
13	. . . . .	. . . . .	On deputation, N.-W. Provinces.	
14	300 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 22nd October 1875. Apprentice from 1st March 1874.
15	300 0 0	(d; Baluchistan, R80 . . .	No. 15 (Baluchistan)	
18	. . . . .	. . . . .	No. 21 Upper (Burma)	Medical leave for 9 months from 1st July 1897.
...	. . . . .	. . . . .	On deputation, N.-W. Provinces.	Sick leave from 8th April to 14th September 1883.
17	300 0 0	. . . . .	No. 12 (Sind)	
18	300 0 0	(d) Burma, R50	No. 20 (Burma)	Exclusive of previous service as Sub-Surveyor.
19	300 0 0	. . . . .	Nos. 9 and 19 (Madras)	Previous service as Sub-Surveyor from 12th August 1874.
20	300 0 0	(d) Assam, R50	No. 14 (Lushai)	Exclusive of medical leave from 8th May to 6th October 1899.
1	250 0 0	(f) Presidency, R20	Head-Quarters, Calcutta	Under suspension from 15th May to 6th August 1894.
...	325 0 0	. . . . .	Draftsman, Head-Quarters, Calcutta.	Exclusive of 2 months and 1 day's suspension, from 28th May to 1st July 1890, and sick leave from 2nd to 28th July 1890.
2	300 0 0	. . . . .	Computing, Debra-Dun	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. Officiating Extra Assistant Superintendent, 6th grade.

(d) Financial Resolution No. 5626, dated 25th October 1898.

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

(f) Financial Resolution No. 704, dated 22nd February 1896.

(h) Secretary of State's Despatch No. 75 (Revenue), dated 15th August 1880.

Classified List of Officers of the Provincial Service, Survey of

No. under re- organisation scheme.	No. under old scheme.	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 1898.
			Smart, Oswald David	†	. . . .	16 9 57	Oct. 1, 1881	Mar. 1, 1891	15 6 12
3			Ewing, Arthur	†	. . . .	30 4 62	Nov. 16, 1881	Apr. 1, 1891	18 0 0
4			Gastaud, Michael	†	. . . .	8 3 62	May 1, 1882	Apr. 25, 1891	15 10 0
			Beechey, Percy	†	L.S. & HS. Burmese.	18 7 61	Dec. 1, 1882	May 13, 1891	15 1 0
5			Berkeley, Ernest Fitz-Hardinge	†	L.S.	21 10 64	Sep. 1, 1883	Jan. 5, 1892	18 2 10
6			Barker, Joshua Paul	†	. . . .	21 8 65	Dec. 23, 1883	Nov. 1, 1893	12 4 10
			Bedford, Nolan	†	. . . .	16 7 61	Jan. 10, 1884	Nov. 15, 1893	13 11 28
7			Hughes, Benjamin Robert	†	L.S. & L.S. Burmese.	13 6 66	Oct. 15, 1883	July 6, 1894	11 6 18
8			Descubes, Alexander	Forest Survey.	. . . .	17 7 54	Dec. 5, 1889	Jan. 26, 1895	10 11 31
9			Serrao, Philip Joseph	†	L.S. Burmese.	3 7 61	Apr. 24, 1884	Mar. 27, 1895	13 8 9
10			Smith, Joseph	†	. . . .	14 9 63	Aug. 1, 1884	Mar. 27, 1895	12 7 9
			Johnson, William Edmund	†	ES. Burmese.	14 9 61	Aug. 18, 1884	Mar. 27, 1895	13 4 18
			Skilling, William	†	L.S.	26 4 67	Nov. 24, 1884	Apr. 27, 1895	10 8 6
			Smart, Aylmer Boddington	†	. . . .	27 9 65	Feb. 25, 1885	Apr. 27, 1895	11 11 3
11			Lee, Charles Graham	†	. . . .	23 8 66	Mar. 1, 1886	May 3, 1895	11 4 0
12			Bell, Frederick Samuel	†	. . . .	28 9 64	Sep. 24, 1886	Oct. 15, 1895	11 3 7
13			Walsh, Felix Patrick	†	. . . .	20 11 66	Mar. 4, 1886	Oct. 25, 1895	11 1 10
14			Powell, Frank Burgess	†	ES. L.S. Burmese.	11 8 64	Sep. 23, 1886	Oct. 27, 1895	11 3 1
15			Yusaf Sharif, Khan Bahadur	†	. . . .	18 12 46	Dec. 1, 1886	Nov. 12, 1895	30 6 11
16			Hira Singh, Rai Bahadur	†	. . . .	1 9 51	Mar. 12, 1887	Nov. 26, 1895	26 11 0
17			Babonau, Thomas Walter (Jr.)	†	L.S. & ES. Burmese.	10 7 66	Jan. 15, 1884	June 8, 1896	10 4 11
			Haddock, John A. T.	†	L.S. ES. Burmese.	16 10 63	Nov. 26, 1887	Oct. 13, 1896	10 1 1
18			Baker, William John	†	ES. Burmese	18 8 66	Jan. 25, 1888	Oct. 13, 1896	0 11 1
			Wood, Charles George Stotesbury	†	L.S.	1 7 68	Aug. 2, 1884	Jan. 1, 1897	0 6 0
19			Gasper, Cecil Stephen	†	. . . .	11 8 68	Mar. 2, 1888	Jan. 1, 1897	0 4 2
20			Johnson, Clarence Henry Godwin	†	. . . .	14 6 69	Nov. 13, 1888	Feb. 5, 1897	0 8 0
21			Shaw, Henry George	†	. . . .	21 2 62	Jan. 1, 1889	Mar. 1, 1897	15 0 0
22			Adams, William Frederic Edward	†	. . . .	12 6 68	Aug. 26, 1889	Mar. 21, 1897	8 6 0

† Joined the Department after the amalgamation on 1st January 1872.

India Department, as it stood on 1st January 1898—continued.

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
			On deputation, N.-W. Provinces	Previous temporary service in the Cadastral Establishment, from 1st December 1879 to 30th September 1881. Medical leave from 21st December 1894 to 1st September 1895. Officiating Extra Asst. Supdt., 6th grade. Ditto ditto ditto.
3	300 0 0	(d) Burma, R50	No. 20 (Burma)	
4	250 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma)	Apprentice Draftsman from 3rd January 1882.
			On deputation, Burma.	
5	240 0 0		No. 4 (Bihar)	Office Assistant from 1st May 1881.
6	250 0 0		No. 25 (Tidal and Levelling).	
			On deputation, N.-W. Provinces.	
7	240 0 0		On deputation Forest Department.	Temporarily transferred to the Forest Survey Branch from 16th October 1897.
8	220 0 0		On deputation, Forest Dept.	Includes previous service in Forest Department, from 18th January 1887.
9	250 0 0	(e) Upper Burma, R80	No. 10 (Upper Burma).	
10	220 0 0		No. 12 (Sind)	Office Assistant from 16th November 1883. Furlough from 15th May 1894 to 6th March 1896.
			On deputation, Burma.	
			On deputation, N.-W. Provinces.	
	300 0 0		Draftsman, Head-Quarters, Calcutta.	Medical leave for 4 months from 4th October 1895.
11	220 0 0		No. 4 (Bihar)	Previous temporary service in the Cadastral Establishment, from 1st December 1893 to 28th February 1896.
12	220 0 0	(e) Assam, R40	No. 6 (Assam).	
13	220 0 0		No. 12 (Sind).	
14			On deputation, N.-W. Provinces.	
15	220 0 0	(d) Baluchistan, R80	No. 15 (Baluchistan)	Joined as Sub-Surveyor, 16th June 1867.
16	220 0 0		Tirah Survey detachment	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 8th April 1899. Extraordinary leave from 8th April to 21st November 1899. Leave to Europe on private affairs, from 30th June to 20th December 1892.
17	250 0 0		No. 4 (Bihar)	
			On deputation, Burma.	
18	200 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma).	
			On deputation, Burma.	Leave without allowance, from 12th May 1898 to 11th January 1899.
19	200 0 0		No. 4 (Bihar).	
20			On deputation N.-W. Provinces.	
21	200 0 0	(e) Upper Burma, R80.	No. 11 (Upper Burma)	Includes previous service in the Meteorological Department, from 1st January 1888.
22	200 0 0	(e) Upper Burma, R80.	No. 21 (Upper Burma).	

(d) Financial Resolution No. 582E, dated 25th October 1888.
(e) Department of Finance and Commerce No. 768, dated 11th February 1899.

Classified List of Officers of the Provincial Service, Survey of

India Department, as it stood on 1st January 1898—continued.

No. under re-organisation scheme.	No. under Old scheme.	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 1898.	Y. M. S. in which grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
PROVINCIAL SERVICE—contd.														
Sub-Assistant Superintendents—contd.														
2ND GRADE. Salary R160 rising to R200.														
24	23	1	Wards, Francis Edward.	†	. . . . .	7 9 51	Nov. 13, 1884A	Oct. 1, 1889	11 9 21	1	160 0 0	(g) Simla, R1	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., 6 days in Mar., 5 days in Apl., 14 days in Oct., 4 days in Nov., and 4 days in Dec. 1891; 7 days in Feb., 8 days in Mar., 6 days in April, 8 days in May, 14 days in July, and 7 days in Aug.; and sick leave from 5th Sep. to 31st Oct. 1892; without pay for 4 days in July 1893, and under suspension from 1st August to 24th September 1893; without pay for 4 days, from 30th July to 2nd August 1894, and 8 days from 3rd to 10th August 1896; absent for 7 days without pay in August 1897, 2 days in September 1897, and 7 days in October 1897.
	2		Charrier, Henry Arthur	†	LS. ES. Burmese.	22 10 64	Apl. 21, 1884	Mar. 1, 1891	12 6 21	2	184 0 0	(d) Burma, R50	No. 20 (Burma)	Leave without pay from 2nd to 13th February 1889. Leave on medical certificate 3 months from 24th May 1890.
	3		Murphy, Joseph Horrocks	†	. . . . .	26 7 69	Nov. 1, 1887	May 13, 1891	7 5 0	3	. . . . .	. . . . .	On deputation, N.-W. Provinces	Medical leave for 1 month, from 18th Apl. 1890.
	4		Nichol, John Henry.	Forest Survey.	. . . . .	9 4 67	Dec. 12, 1889	Nov. 25, 1893	9 0 18	4	192 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 16th December 1888.
	5		Rae, George	†	. . . . .	23 11 70	Nov. 19, 1890	Apl. 1, 1894	7 1 1	5	. . . . .	. . . . .	On deputation, N.-W. Provinces.	
	6		Imam Sharif, Khan Bahadur	†	. . . . .	7 4 49	May 6, 1891	July 6, 1894	26 0 1	6	192 0 0	. . . . .	On deputation, Zanzibar	Joined as Sub-Surveyor, 1st September 1871.
	7		Litchfield, Charles	Forest Survey.	. . . . .	24 1 66	Jan. 10, 1892	Nov. 1, 1894	9 1 11	7	192 0 0	. . . . .	On deputation, Forest Department.	Includes previous service in Forest Department, from 14th November 1888.
	8		*Biggie, Henry William	†	ES, H. Burmese.	9 12 71	Nov. 21, 1891	Mar. 27, 1895	6 0 2	8	176 0 0	(f) Presidency, R20	Head-quarters, Calcutta.	
	9		Aulad Hossein	†	. . . . .	0 12 68	Nov. 13, 1891	Mar. 27, 1895	6 1 11	9	176 0 0	. . . . .	Nos. 2 and 8 (N.-W. P. and Oudh)	Joined as Computer, 2nd February 1891.
	10		Bahmatulla	†	. . . . .	28 9 66	Nov. 13, 1891	Mar. 27, 1895	11 3 0	10	176 0 0	. . . . .	No. 12 (Sind)	Joined as Computer, 19th August 1886.
	11		Grelff, Joseph Oscar.	†	LS.	2 8 72	Nov. 13, 1891	Mar. 27, 1895	5 6 0	11	176 0 0	. . . . .	No. 18 (Himalaya).	
	12		Chatterjee, Nilmoni	†	. . . . .	17 11 70	Nov. 23, 1891	Apl. 27, 1895	6 11 0	12	176 0 0	. . . . .	No. 4 (Bihar)	Extraordinary leave from 1st June to 2nd August 1892.
	...		Powell, Harry Burgess	†	ES and LS. Burmese.	2 6 70	Nov. 22, 1891	May 3, 1895	6 1 0	...	. . . . .	. . . . .	On deputation, Burma	Previous temporary service in Cadastral Establishment, from 1st January 1890 to 21st November 1891.
	13		Freeman John A lario	†	. . . . .	24 7 70	Nov. 23, 1891	Oct. 15, 1895	6 1 1	13	168 0 0	(e) Upper Burma, R80	No. 10 (Upper Burma).	
	14		Ollenbach, Osmond Charles	†	LS. Burmese	3 4 67	Nov. 23, 1891	Oct. 25, 1895	6 1 1	14	176 0 0	. . . . .	Nos. 2 and 8 (N.-W. P. and Oudh).	
	15		Hanby, Herbert Henry Bladen	†	. . . . .	21 6 72	Nov. 25, 1891	Nov. 12, 1895	5 1 1	15	176 0 0	(e) Upper Burma, R80.	No. 11 (Upper Burma).	
	16		Newland, Walter	†	LS. Burmese	28 4 76	Sept. 11, 1893	Nov. 26, 1895	1 0 1	16	176 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma).	
	17		Gorman, William Michael	†	. . . . .	28 7 73	Sept. 19, 1893	Apl. 8, 1898	4 0 1	17	168 0 0	. . . . .	No. 18 (Himalaya).	
	18		Williams, Patrick	†	. . . . .	18 3 71	Sept. 16, 1893	Oct. 13, 1896	4 0 1	18	168 0 0	(e) Upper Burma, R 80	No. 21 (Upper Burma).	
	19		Anar Singh	†	ES and LS. Burmese.	1 1 63	Sept. 18, 1893	June 8, 1896	12 0 1	19	168 0 0	(d) Burma, R50	No. 7 (Lower Burma)	Includes previous service in the Meteorological Department from 4th April 1895. Leave without allowance from 28th November to 16th December 1895.
	20		Wilson, John Henry Stanhope	†	LS.	10 1 71	Sept. 4, 1893	Jan. 1, 1897	4 3 0	20	160 0 0	. . . . .	Nos. 9 and 19 (Madras).	
	21		Sheehan, Michael Joseph	†	. . . . .	20 1 75	Oct. 30, 1895	Mar. 1, 1897	6 0 0	21	160 0 0	. . . . .	Nos. 9 and 19 (Madras).	Medical leave from 4th December 1895 to 31st January 1896.
	22		Peters, Malcolm Campbell	†	. . . . .	27 12 73	Nov. 1, 1895	Feb. 5, 1897	6 2 0	22	160 0 0	(d) Baluchistan R80	No. 15 (Baluchistan).	
	23		Psychers, Alexander Henry	†	. . . . .	26 8 75	Oct. 15, 1895	Mar. 21, 1897	6 5 0	23	160 0 0	. . . . .	Nos. 2 and 8 (N.-W. P. and Oudh).	
	24		Donaghey, John	†	L.S.	20 9 74	Oct. 28, 1895	Oct. 10, 1897	6 5 0	24	160 0 0	. . . . .	Nos. 9 and 19 (Madras).	

† Joined the Department after the amalgamation on 1st January 1874.
 * Passed the Burma Land Records Department examination in Revenue, by the Higher standard.
 (A) Date of re-appointment.

(d) Financial Resolution No. 5828, dated 25th October 1889.
 (e) Department of Finance and Commerce No. 759, dated 11th February 1889.
 (f) Ditto No. 704, dated 22nd February 1868.
 (g) Revenue and Agricultural Department No. 1339, dated 1st November 1890.

Classified List of Officers of the Provincial Service, Survey of

No. under r organisation scheme.	No. under old scheme.	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 posting on 1st January 1898.
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Y. M. D.

PROVINCIAL SERVICE—concl'd.

Sub-Assistant Superintendents—concl'd.

3RD GRADE. Salary R120 rising to R160.

26	26	1	Vaughan, Percival Kenneth	†	. . . . .	14 2 70	Nov. 23, 1891	(a) Aug. 7 97	6 1
		2	Roy, Himansu Kumar	†	. . . . .	5 9 73	Oct. 15, 1895	. . . . .	2 0
		3	Diggie, Edwin John	†	. . . . .	16 2 73	Oct. 24, 1895	. . . . .	2 2
		4	Causley, Philip Lloyd	†	. . . . .	12 6 72	Oct. 25, 1895	. . . . .	1 8
		5	Bose, Abinash Chunder	†	E. S., L.S Burmese.	16 11 72	Oct. 15, 1895	. . . . .	2 2
		6	Bond, Edgar Clinton James	†	. . . . .	19 4 70	Dec. 17, 1896	. . . . .	7 3
		7	Jagadamba Prasad	†	. . . . .	10 1 70	Nov. 17, 1896	. . . . .	1 1
		8	Cooper, Henry Charles Hubert	†	L. S.	5 8 74	Nov. 24, 1896	. . . . .	1 1
		9	French, Charles Edwin Cluge	†	. . . . .	16 3 75	Nov. 14, 1896	. . . . .	1 1
		10	Byrne, Charles Cahill	†	. . . . .	25 9 76	Nov. 20, 1896	. . . . .	1 1
		11	Venle, Charles John	†	. . . . .	8 3 77	Nov. 25, 1896	. . . . .	1 1
		12	Anderson, Percival Robert	†	. . . . .	28 2 74	Nov. 27, 1896	. . . . .	1 1
		13	Hardinge, Eustace Gilbert	†	. . . . .	6 5 73	Nov. 25, 1896	. . . . .	1 1
		14	O'Donel, Conel Angus	†	. . . . .	31 7 76	Dec. 10, 1896	. . . . .	1 0
		15	Ahmed Ali Khan, Khan Bahadur	†	. . . . .	1 12 47	Nov. 15, 1896	. . . . .	30 1
		16	Hannuman Prasad	†	. . . . .	17 7 69	Nov. 15, 1896	. . . . .	7 2
		17	Littlewood, Charles Sutherland	†	. . . . .	2 9 75	Nov. 15, 1896	. . . . .	1 1
		18	Hunt r, Douglas John	†	. . . . .	5 9 75	Nov. 11, 1897	. . . . .	0 1
		19	Corriden, Edgar Henry	†	. . . . .	25 11 73	Nov. 12, 1897	. . . . .	0 1
		20	Dhani Ram	†	. . . . .	4 8 75	Nov. 20, 1897	. . . . .	0 1
		21	Jarbo, William George	†	. . . . .	10 3 76	Nov. 17, 1897	. . . . .	0 1
		22	Hunter, Harry Kenfrew	†	. . . . .	28 6 78	Nov. 11, 1897	. . . . .	0 0
		23	Berrill, Bernard Morie	†	. . . . .	22 10 74	Nov. 5, 1897	. . . . .	1
		24	Ikbaluddin	†	. . . . .	8 8 54	Nov. 8, 1897	. . . . .	23
		25	Vacant		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .
		26	Ditto		. . . . .	. . . . .	. . . . .	. . . . .	. . . . .

† Joined the Department after the amalgamation on 1st January 1878.
(a) Date of reduction.

India Department, as it stood on 1st January 1898—concluded

No. existing in each grade.	Salary.	Extra allowances, if any.	Survey Party or Office to which at present attached.	REMARKS.
1	160 0 0	(f) Presidency, R20	Head-quarters, Calcutta	
2	128 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma)	Medical leave from 13th July to 31st August 1896.
3	136 0 0	. . . . .	No. 18 (Himalaya)	
4	128 0 0	. . . . .	No. 4 (Bihar)	Medical leave from 15th October 1896 to 2nd April 1897.
5	136 0 0	(d) Burma, R50	No. 7 (Lower Burma)	
6	128 0 0	. . . . .	No. 12 (Sind)	Previous service in No. 25 party and Marine Survey from 1st October 1890 to 10th December 1896 included.
7	128 0 0	. . . . .	Nos. 2 and 3 (N.-W. P. and Oudh.)	Joined as Despatcher, Photozinc section, Trigonometrical Branch Office, 10th July 1894. Previous temporary service as Computer from 17th August 1891 to 9th July 1894.
8	128 0 0	(d) Baluchistan, R80	No. 15 (Baluchistan)	
9	128 0 0	. . . . .	No. 18 (Himalaya)	
10	128 0 0	(f) Presidency R20	Head-quarters, Calcutta	On probation.
11	128 0 0	. . . . .	No. 12 (Sind)	
12	128 0 0	(e) Upper Burma, R80	No. 21 (Upper Burma)	
13	128 0 0	(e) Upper Burma, R80	No. 3 (Upper Burma)	
14	128 0 0	. . . . .	Nos. 2 and 3 (N.-W. P. and Oudh.)	
15	128 0 0	. . . . .	Tirah Survey Detachment	Joined as Sub-Surveyor, 1st December 1867.
16	128 0 0	. . . . .	No. 23 (Astronomical)	Joined as Computer, 1st November 1890.
17	128 0 0	. . . . .	Nos. 2 and 3 parties (N.-W. P. and Oudh.)	Previous temporary service in Cadastral Establishment.
18	128 0 0	. . . . .	Dehra Dun, under training	On probation.
19	120 0 0	. . . . .	Ditto ditto	Ditto.
20	120 0 0	. . . . .	Ditto ditto	Ditto.
21	120 0 0	. . . . .	Ditto ditto	Ditto.
22	120 0 0	. . . . .	Ditto ditto	Ditto.
23	120 0 0	. . . . .	Ditto ditto	Ditto.
24	120 0 0	. . . . .	Burma-China Boundary Delimitation Commission.	Ditto. Joined as Sub-Surveyor, 6 April 1874.
25	. . . . .	. . . . .	. . . . .	. . . . .
26	. . . . .	. . . . .	. . . . .	. . . . .

(d) Financial Resolution No. 5228, dated 25th October 1898.
(e) Department of Finance and Commerce No. 756, dated 11th February 1899.
(f) Financial Resolution No. 704, dated 22nd February 1898.

Names of Administrative and Technical Offices of the Survey of India Department, as they stood on 1st January 1898.

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.
<i>Technical.</i>		
Drawing	Mapping and Compling	} A. S. G., D. O.
Engraving	Map engraving by hand	
Lithographic	Mapping, Litho. and Type Printing	} A. S. G., Photo-Litho.
Photozincographic	Reproduction of maps	
Mathematical Instrument	Manufactures and repairs of instruments	A. S. G., M. I. D.
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 Compling	Supdt.

Names of Field Parties of the Survey of India Department, as they stood on 1st January 1898.

No. of Party.	Locale of Operations.	Recess Quarters.	Nature of Current Operations.	Administrative Officer.
No. 2 & 8	N.-W. P. and Oudh . . .	Mussooree . . .	Traverse	D. S. G., Rev.
No. 3	Upper Burma . . .	Mandalay . . .	Cadastral	Ditto.
" 4	Bihar	Mussooree . . .	Ditto	Supdt., Settlement Surveys, Bengal.
" 6	Assam	Shillong . . .	Topographical and Traverse . . .	D. S. G., Rev.
" 7	Lower Burma . . .	Rangoon . . .	Cadastral	Ditto.
No. 9 & 19	Mdras	Bangalore . . .	Topo. Forests.	Ditto.
No. 10	Upper Burma . . .	Bangalore . . .	Topographical	D. S. G., Topo.
" 11	Ditto	Bangalore . . .	Ditto	Ditto
" 12	Sind	Mussooree . . .	Ditto	Supdt., Trig. Surveys.
" 14	Lushai	Shillong . . .	Ditto	D. S. G., Topo.
" 15	Baluchistan . . .	Quetta	Ditto	Ditto.
" 17	Bombay	Poona	Topo. Forests.	Ditto.
" 18	Himalaya	Simla	Topographical.	Supdt., Trig. Surveys.
" 20	Burma	Bangalore . . .	Topographical Forest	D. S. G., Rev.
" 21	Upper Burma . . .	Bangalore . . .	Topographical	D. S. G., Topo.
" 22	India	Mussooree . . .	Astronomical.	Supdt., Trig. Surveys.
" 23	Ditto	Mussooree . . .	Ditto	Ditto.
" 24	Baluchistan . . .	Mussooree . . .	Triangulation	Ditto.
" 25	India	Poona	Tide-Registering and Levelling . . .	Ditto.
Detachment	Tirah . . . . .	. . . . .	Military Reconnaissance	S. G.
"	Tochi Valley. . . . .	. . . . .	Ditto	"
"	Malakand . . . . .	. . . . .	Ditto	"
"	Mohmand . . . . .	. . . . .	Ditto	"
"	Kurrum Valley . . .	. . . . .	Ditto	"
"	China-Burma Boundary Delimitation Commission.	. . . . .	Geographical and Political	"

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 1898.

Post.	Administrative Officers.	Officers of the Imperial Service.	Officers of the Provincial Service.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Surveyor-General of India.	Major-Genl. C. Strahan, I.C.S.	. . .	. . . . .	. . .	. . .	Mar. 26, 95	Direction of all Offices and Superintendence of—
Deputy Surveyor-General, in charge Topographical Branch-	Ditto . . .	. . . . .	. . . . .	. . .	. . .	Ditto	No. 10 Party (Upper Burma). No. 11 Party (Upper Burma). No. 14 Party (Lushai). No. 15 Party (Dachibistan). No. 17 Party (Bombay Forests). No. 21 Party (Upper Burma). Simla Drawing Office.
(Calcutta.)							
Deputy Surveyor-General, in charge Revenue Branch.	Colonel J. E. Sandeman, I.C.S.	. . . . .	. . . . .	. . .	. . .	Mar. 26, 95	On furlough for 1 year and 125 days, from 1st May 1897.
Offg. ditto	Major-Genl. R. G. Woodthorpe, I.C.S., I.C.E.	. . . . .	. . . . .	. . .	. . .	Nov. 10, 97	Superintendence of— Nos. 2 & 8 Parties (N.W. P. and Oudh). No. 3 Party (Upper Burma). No. 6 Party (Assam). No. 7 Party (Lower Burma). Nos. 9 & 19 Parties (Madras). No. 20 Party (Burma).
(Calcutta.)							
Supdt. of Settlement Surveys in Bengal.	Captain R. T. Crichton, I.C.S.	. . . . .	. . . . .	D. Sup.	1st	Oct. 19, 95	Superintendence of— No. 4 Party (Bihar).
(Muzooree.)							

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 1898—continued.

Post.	Administrative Officers.	Officers of the Imperial Service.	Officers of the Provincial Service.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.			
Superintendent, Trigonometrical Surveys. (Dehra.)	Lt.-Col. St. G. C. Gore, B.S.	. . . . . J. Eccles, M.A.	. . . . .	Offg. Sup.	1st	May 1, 94	Superintendence of Offices at Dehra and of— No. 12 Party (Sind). No. 18 Party (Himalaya). No. 22 Party (Astro.). No. 23 Party (Astro.). No. 24 Party (Baluchistan). No. 25 Party (Tidal and Levelling).	
			. . . . .	D. Sup.	1st	Nov. 22, 97	In charge, Computing.		
			A. D. L. Christie .	E. A. Sup.	2nd	May 2, 92	Computing.			
			C. H. McA'Fee .	E. A. Sup.	2nd	Feb. 1, 85	Drawing Section.			
			J. A. Higgs .	Offg. E. A. Sup.	6th	Mar. 1, 97	Ditto.			
			W. A. Fielding .	E. A. Sup.	6th	Nov. 4, 97	Training School.			
			D. J. Hunter .	S. A. S.	3rd	Nov. 11, 97	On probation under training.			
			E. H. Corridon .	S. A. S.	3rd	Nov. 12, 97	Ditto.			
			Dhani Ram .	S. A. S.	3rd	Nov. 20, 97	Ditto.			
			W. G. Jarbo .	S. A. S.	3rd	Nov. 17, 97	Ditto.			
			H. R. Hunter .	S. A. S.	3rd	Nov. 11, 97	Ditto.			
			B. M. Berrill .	S. A. S.	3rd	Nov. 5, 97	Ditto.			
			Assistant Surveyor-General, Drawing and Engraving Office. (Calcutta.)	A. E. Spring	Offg. D. Sup.	1st	May 9, 96	Furlough in India for 1 year from 1st May 1897.
						H. T. Hanby .	E. A. Sup.	2nd	May 1, 97	
W. Stotesbury .	E. A. Sup.	3rd				Dec. 2, 96				
T. H. Rendell .	E. A. Sup.	3rd				Nov. 20, 96				
J. A. Barker .	E. A. Sup.	4th				June 5, 93				
G. E. Parker .	E. A. Sup.	5th				Oct. 23, 96				
G. Campbell .	E. A. Sup.	5th				Nov. 1, 94				
E. P. S. Hill .	E. A. Sup.	6th				Nov. 28, 96				
S. O. Madras .	S. A. S.	1st				Aug. 7, 94				
W. H. D. Ewing .	S. A. S.	1st				Nov. 27, 93				
A. B. Smart .	S. A. S.	1st				Feb. 4, 96				
H. W. Biggie .	S. A. S.	2nd				Sep. 17, 97				
P. K. Vaughan .	S. A. S.	3rd				Oct. 15, 97				
C. C. Byrne .	S. A. S.	3rd				Oct. 27, 97	On probation.			

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 1898—concluded.

Post.	Administrative Officers.	Officers of the Imperial Service.	Officers of the Provincial Service.	Class.	Grade.	Date of appointment.	Details of superintendence and remarks.
Assistant Surveyor-General, Surveyor-General's and Mathematical Instrument Offices. (Calcutta.)	Lieut.-Colonel J. R. Hobday, I.S.C.	. . . .	. . . . .	Sup.	2nd	Feb. 4, 97	
Assistant Surveyor-General, Photographic and Lithographic Offices. (Calcutta.)	T. A. Pope .	. . . .	. . . . .	Dy. Sup.	1st	June 10, 97	
Charge of Map, Record and Issue Office. (Calcutta.)	A. E. Spring .	. . . .	. . . . .	Offg. D. Sup.	1st	Mar. 16, 97	
Charge of Simla Drawing Office. (Simla.)	Colonel Sir T. H. Holdich, K.C.I.E., C.B., B.E. G. W. E. Atkinson	. . . . . . . .	. . . . . . . . . . W. J. Cornelius . R. R. Dickinson . F. E. Warde .	Sup. Offg. D. Sup. E. A. Sup. E. A. Sup. S. A. S	1st 2nd 4th 6th 2nd	Apl. 3, 97 Nov. 8, 92 Feb. 1, 90 Dec. 5, 96 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 1898.

NAME.	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.

Correspondence Office.

T. W. Babonau . . .	24 2 44	Registrar . . .	400-40-600	Aug. 9, 1861	Sep. 1, 1894	
T. A. Milne . . .	5 8 55	Head Assistant	250-10-300	June 20, 1872	Dec. 1, 1892	
F. A. D'Rozario . . .	3 7 49	Head Clerk . . .	200-20-300	Oct. 14, 1874	Dec. 1, 1897	
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 . . .	23 12 65	Ditto . . .	200 0 0	Dec. 21, 1892	Jan. 1, 1897	
J. A. Vallis . . .	11 8 48	Clerk . . .	175 0 0	Apl. 1, 1871	Dec. 1, 1889	Furlough for six months, from 23rd February 1893.
Kali Pudo Banerjee . . .	27 10 39	Do. . .	125 0 0	Jan. 1, 1859	Sep. 1, 1885	Extension of service to 26th October 1898.
Danee Madhub Banerjee	Apl. 1844	Do. . .	125 0 0	Mar. 20, 1868	Aug. 1, 1886	
Chuni Lal Dey . . .	10 5 56	Do. . .	125 0 0	May 17, 1878	Sep. 1, 1894	
Doorza 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	Feb. 1, 1889	Extension of service to 20th September 1898.
Rajkriahna Mukerjee . . .	11 8 49	Do. . .	100 0 0	Aug. 11, 1873	Sep. 1, 1894	

Drawing Office.

W. Stotesbury . . .	26 7 47	Chief Draftsman	600 0 0	Oct. 4, 1864	May 17, 1897	Sub. <i>pro tem</i> .
G. Campbell . . .	13 7 48	Head do. . .	450 0 0	Mar. 1, 1871	Dec. 13, 1897	Ditto.
W. H. D. Ewing . . .	23 8 57	Draftsman . . .	325 0 0	Apl. 15, 1878	Mar. 1, 1897	

EUROPEAN DRAFTSMEN.

W. Green . . .	10 9 39	Draftsman . . .	300 0 0	Jan. 1, 1862	Jan. 1, 1890	Extension of service to 9th September 1898.
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 January 1898—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—contd.

Drawing Office—concl'd.

EUROPEAN DRAFTSMEN—concl'd.

R. Sinclair	2 12 61	Draftsman	175 0 0	June 1, 1880	Jan. 26, 1895	
A. S. Bateman	5 11 57	Ditto	150 0 0	Dec. 6, 1882	Ditto.	
N. G. Watson	2 9 74	Ditto	100 0 0	Nov. 1, 1892	Apl. 19, 1895	On deputation, Forest Department, from 20th April 1895.

NATIVE DRAFTSMEN.

Purna Chunder Sen	15 1 54	Draftsman	120 0 0	July 10, 1877	Apl. 5, 1895	
Muttayulla	17 8 42	Ditto	100 0 0	Dec. 29, 1862	July 1, 1890	Extension of service up to 17th August 1893.
Abdul Azeez	31 5 43	Ditto	100 0 0	Sep. 1, 1863	Oct. 1, 189	

Additional Establishment, Drawing Office.

Vacant . . . . .	. . . . .	Draftsman	400 0 0	. . . . .	. . . . .
A. B. Smart	27 9 65	Ditto	300 0 0	Feb. 25, 1885	Feb. 5, 1897	

Engraving Office.

J. Fulford	6 7 43	(a) Head Engraver	800 0 0	Oct. 10, 1872	Apl. 23, 1891	
S. M. Coard	21 8 58	(a) 2nd ditto	600 0 0	Feb. 1, 1875	Dec. 1, 1896	
A. W. N. James	21 1 60	(a) 3rd ditto	500 0 0	Mar. 15, 1878	Oct. 5, 1897	
A. R. Coard	3 10 61	(a) 4th ditto . . . . .	. . . . .	Ditto	Ditto	Furlough for 1 year out of India from 30th Sep. 1907.
E. Earle	21 3 64	(a) 5th ditto	400 0 0	May 1, 1880	Ditto	Offg. 4th (a) Engraver.
F. R. C. Scallan	4 7 70	(b) 4th ditto	250 0 0	Aug. 11, 1884	Ditto	Offg. 3rd (b) Engraver.
E. C. Ollenbach	24 1 61	(a) 7th ditto	300 0 0	Aug. 1, 1879	Apl. 23, 1891	Short-drawn R25.
L. H. Musgrove	7 4 64	(a) 8th ditto	250 0 0	July 1, 1882	Dec. 1, 1896	Offg. 6th (a) Engraver.
A. T. Vieux	20 5 71	(b) 7th ditto	125 0 0	Aug. 11, 1884	Oct. 5, 1897	Offg. 6th (b) Engraver.
A. E. Caun	8 8 75	(b) 8th ditto	100 0 0	Feb. 1, 1891	Ditto	Offg. 7th (b) Engraver.
W. T. Collins	31 10 58	Copper-plate Printer	200 0 0	Jan. 6, 1880	Nov. 9, 1895	
Abdul Wahid	5 1 48	1st Native Engraver	110 0 0	Aug. 1, 1869	Dec. 1, 1890	
Joy Krishto Shaw	4 10 48	2nd ditto	100 0 0	Ditto	Aug. 1, 1883	

(a) Under scheme of 1880.
(b) Under scheme of 1895.

*List of Technical and Ministerial Officers of the Survey of India Department drawing
R100 and above, as it stood on 1st January 1898—continued.*

NAME.	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—contd.

Photographic and Lithographic Office.

NORMAL ESTABLISHMENT.

Lithographic Drawing Section.

R. Fogarty . . .	19 8 69	Head Assistant	400-30-550	Mar. 30, 1897	Mar. 30, 1897	Present pay R400.
A. J. J. Rodrigues . .	17 8 72	Head Draftsman.	100-10-200	Apl. 1, 1889	Mar. 15, 1897	Present pay R100. Sub. <i>pro tem.</i>
Ambica Churn Mukerjee	1 1 54	Draftsman .	120 0 0	July 10, 1878	Apl. 1, 1896	
Abdul Mujid . . .	Mar. 1845	Examiner .	100 0 0	May 1, 1866	May 1, 1897	Short-drawn R15.

Lithographic and Zincographic Printing Section.

E. A. LeFranc . . .	12 12 56	Head Printer .	350 0 0	Nov. 15, 1876	May 1, 1896	
D. Dens . . .	9 9 55	Chromo Litho. Printer.	225-15-330	Nov. 29, 1883	Apl. 10, 1895	Furlough from 17th April 1894 to 9th April 1895.
S. U. Ravenscroft . .	21 2 69	Asst. ditto .	75-10-125	Aug. 1, 1884	Apl. 1, 1897	
C. Andrews . . .	27 3 66	Machine Printer.	75-10-125	Nov. 1, 1892	July 1, 1897	Present pay R95.
Vacant . . .	. . . .	Asst. Zincographer.	75-10-125	. . . .	. . . .

Type Printing Section.

I. D'Pyrah . . .	15 3 50	Head Printer .	150 0 0	Aug. 1, 1868	Apl. 1, 1894	
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Photographic, Negative, and Printing Section.

J. Harrold . . .	24 5 35	Photographer .	145-15-330	Mar. 19, 1873	Mar. 8, 1893	Extension of service, up to 24th May 1898.
C. J. Meade . . .	28 4 68	Asst. ditto .	75-15-150	Aug. 1, 1884	Oct. 1, 1897	
F. N. Murphy . . .	30 9 73	Ditto .	50-10-100	Apl. 3, 1893	July 3, 1897	Present pay R70.

Heliogravure Section.

A. W. Turner . . .	19 10 53	Photo-Engraver.	300-20-400	May 1, 1885	May 1, 1890	On furlough to Europe for 6 months, from 10th July 1896.
Vacant . . .	. . . .	Asst. ditto .	100-10-200	. . . .	. . . .

Correspondence, Stores, and Account Section.

Kanny Lall Son . . .	27 5 52	Store-keeper .	100-20-200	May 26, 1873	May 1, 1897	Present pay R120.
A. D. Carville . . .	23 10 71	Head Clerk and Acctt.	100 0 0	Apl. 5, 1897	July 1, 1897	

List of Technical and Ministerial Officers of the Survey of India Department drawing R100 and above, as it stood on 1st January 1898—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.
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HEAD-QUARTERS OFFICES, CALCUTTA—concl'd.

Photographic and Lithographic Office—concl'd.

CADASTRAL ESTABLISHMENT.

Photographic Section.

H. Haward . . .	10 2 50	Head Photo. Asst.	400-20-500	Nov. 16, 1883	Nov. 16, 1892	Furlough from 26th February 1894 to 8th January 1895.
B. George . . .	5 5 46	Photographer .	145-15-330	Feb. 1, 1876	Mar. 8, 1893	
L. Lagnier . . .	1 7 50	Ditto .	150-10-200	Ditto .	Ditto.	
T. Lloyd . . .	7 11 54	Ditto .	150-10-200	July 16, 1873	Apr. 1, 1897	Present pay R100.

Zinc-Printing Section.

F. B. Vandyke . . .	28 9 65	Zincographer .	145 to 330	Aug. 1, 1889	Aug. 1, 1897	Inclusive of house-rent R30. Present pay R250.
J. D. Mackenzie . . .	16 4 65	Ditto .	145 to 330	Oct. 1, 1880	May 1, 1896	Inclusive of house-rent R30. Present pay R140.
F. C. Michael . . .	31 8 70	Asst. ditto .	75-10-125	Sep. 1, 1884	Apr. 1, 1897	

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	Exclusive of personal allowance R100.
T. K. Thackston . . .	26 12 68	Assistant Mathematical Instrument-maker.	350-30-500	Oct. 10, 1892	Nov. 1, 1897	Present pay R470.

CORRESPONDENCE SECTION.

W. Campagnac . . .	21 9 58	Head Clerk .	150-10-200	Apr. 1, 1882	Jan. 1, 1896	Furlough to Europe for 12 months from 12th April 1892.
W. R. Tolloch . . .	1 10 69	2nd ditto .	75-5-100	Apr. 1, 1888	Jan. 1, 1898	Present pay R85.

STORE SECTION.

M. C. Helletty . . .	15 4 53	Store-keeper .	150 0 0	Apr. 15, 1878	Jan. 1 1895	
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*List of Technical and Ministerial Officers of the Survey of India Department drawing
R100 and above, as it stood on 1st January 1898—concluded.*

NAMES.	Date of birth.	Designation.	Pay of Post. <i>R a. p.</i>	Date of appointment in Government service.	Date of appointment to present pay.	REMARKS.
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**TRIGONOMETRICAL BRANCH OFFICE,
DEHRA DUN.**

Computing Section.

Anba Prasad . . .	3 7 45	Computer . . .	150 0 0	July 26, 1865	Mar. 1, 1897	Short-drawn R5.
Shoshi Dhoshun Shome	13 7 49	Ditto . . .	130 0 0	Apr. 15, 1872	Sep. 1, 1892	
Shiv Nath Saha . . .	30 9 50	Ditto . . .	130 0 0	Nov. 26, 1873	Sep. 1, 1892	
Umbica Churn Shome .	1 7 43	Ditto . . .	110 0 0	Feb. 8, 1867(a)	Mar. 1, 1896	(a) Date of appointment to Educational Department, Joined Computing Office, Survey of India, 10th April 1868.

Photo-zinco Section.

J. S. Manuel . . .	30 4 51	Zincographer	250 0 0	July 16, 1889	May 1, 1895	Short-drawn R70 On sick leave.
G. A. LeFrano . . .	27 4 67	Asst. ditto	175 0 0	Aug. 1, 1884	Mar. 1, 1897	Short-drawn R30. Offg. Zincographer.
Misra Lal	31 1 50	Accountant . . .	140 0 0	Feb. 14, 1872	Mar. 1, 1896	

Correspondence Section.

J. Burbridge . . .	18 10 59	Head Clerk . . .	150-20-250	Jan. 16, 1879	Dec. 1, 1897	
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Solar Photographic Section.

R. W. Foster . . .	22 1 69	Asst. Solar Photographer.	150 0 0	Nov. 3, 1884	July 2, 1897	Sub pro tem. Short-drawn R80.
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DRAWING OFFICE, SIMLA.

H. Sindhu	3 12 48	Draftsman . . .	125 0 0	Jan. 1, 1865	Oct. 1, 1894	
Jafr Khan	1 3 50	Ditto . . .	100 0 0	Dec. 1, 1862	Nov. 1, 1893	
F. Rozario	23 3 50	Surveyor . . .	110 0 0	May 28, 1873	Nov. 1, 1893	

Disposition List of Officers of the Survey of India

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Imperial and Provincial Services.	Class.	Grade.	Date of appointment to Party.
2 & 8	N.-W. P. and Oudh (Traverse.)	D.S.G. Rev.	J. E. Pemberton	D. Sup.	2nd	Nov. 1, 94
			W. S. Buttress	E. A. Sup.	1st	Nov. 17, 95
			R. B. Smart	E. A. Sup.	3rd	Oct. 20, 96
			J. McHatton	E. A. Sup.	4th	Sep. 1, 97
			T. Shaw	E. A. Sup.	5th	Jan. 1, 98
			J. Murphy	E. A. Sup.	5th	Oct. 13, 96
			Aulad Hussein	S. A. S.	2nd	Nov. 28, 96
			O. C. Ollenbaoh	S. A. S.	2nd	Nov. 10, 97
			A. H. Peychers	S. A. S.	2nd	Nov. 17, 95
			Jagadamba Prasnd	S. A. S.	3rd	Nov. 17, 96
			C. A. O'Donel	S. A. S.	3rd	Nov. 1, 97
			C. B. Littlewood	S. A. S.	3rd	Jan. 1, 98
Recess quarters, Mussooree			Permanent Establishment	ditto		
3	Upper Burma (Cadastral.)	D.S.G. Rev.	E. J. Jackson	Offg. Sup.	1st	Nov. 9, 97
			E. G. Little	E. A. Sup.	1st	Nov. 1, 95
			J. Connor	E. A. Sup.	4th	Feb. 1, 90
			G. C. Swiney	E. A. Sup.	5th	Jan. 1, 95
			C. W. Wilson	E. A. Sup.	5th	Dec. 1, 98
			M. Gastaud	S. A. S.	1st	Nov. 15, 97
			W. J. Baker	S. A. S.	1st	Jan. 25, 98
			W. Newland	S. A. S.	2nd	Sep. 11, 93
			Himansu Kumar Roy	S. A. S.	3rd	Nov. 29, 95
			E. G. Hardinge	S. A. S.	3rd	Nov. 25, 96
			Recess quarters, Mandalay			Permanent Establishment	ditto
4	Bihar (Cadastral.)	Supt., Settlement Sys., Bengal.	Capt. R. F. Crichton, r.s.c.	D. Sup.	1st	Oct. 31, 98
			H. Dowman	E. A. Sup.	2nd	Sept. 20, 97
			A. W. Smart	E. A. Sup.	5th	Oct. 1, 94
			C. S. Kraal	E. A. Sup.	6th	Oct. 1, 98
			E. F. Berkeley	S. A. S.	1st	Nov. 1, 97
			C. G. Lee	S. A. S.	1st	Oct. 20, 97
			T. W. Babouau (Jr.)	S. A. S.	1st	Dec. 9, 97
			C. S. Gasper	S. A. S.	1st	Oct. 1, 94
			Nilmoni Chatterjee	S. A. S.	2nd	Oct. 1, 95
			P. L. Causey	S. A. S.	3rd	Nov. 23, 97
			Recess quarters, Mussooree.			Permanent Establishment	ditto

Department attached to Field Parties, 1st January 1898.

SUBORDINATE ESTABLISHMENT.					Budget Estimate for 1897-98.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkundazes and Peons.		
27 25	17 33	52 720	1	25 2	} 89,000 81,640	
16 86	15 49	184 323	1	11 12	} 2,86,400	
10 747	12 32	33 1,152	2	24	} 1,69,220	

Disposition List of Officers of the Survey of India Department,

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Imperial and Provincial Services.	Class.	Grade.	Date of appointment to Party.
6	Assam (Topo. and Traverse.)	D. S. G. Rev.	Capt. C. W. H. Symonds, I.S.O.	Offg. D. Sup.	2nd	Aug. 25, 97
			W. H. Penrose	E. A. Sup.	5th	June 5, 93
			F. S. Bell	S. A. S.	1st	Nov. 1, 94
			Permanent Establishment			
			Temporary ditto			
7	Lower Burma (Cadastral.)	D. S. G. Rev.	B. G. Gilbert-Cooper	Offg. D. Sup.	1st	Nov. 27, 95
			W. C. Price	E. A. Sup.	2nd	Dec. 1, 92
			G. W. Jarbo	E. A. Sup.	4th	Nov. 1, 80
			J. S. Swiney	E. A. Sup.	5th	Oct. 1, 85
			Amar Singh	S. A. S.	2nd	Nov. 1, 93
			Abinash Chunder Bose	S. A. S.	3rd	Oct. 20, 95
			Permanent Establishment			
			Temporary ditto			
9 & 19	Madras (Topo. Forests.)	D. S. G. Rev.	Capt. H. A. D. Fraser, R.E.	D. Sup.	2nd	Apr. 23, 97
			Lt. A. Mears, I.S.O.	A. Sup.	2nd	Nov. 21, 97
			A. G. Wyatt	E. A. Sup.	2nd	Nov. 28, 96
			C. F. Hamer	E. A. Sup.	3rd	Nov. 1, 87
			H. Todd	E. A. Sup.	3rd	Oct. 1, 78
			R. Todd	E. A. Sup.	4th	Oct. 1, 84
			W. C. G. Barckley	E. A. Sup.	6th	Sept. 9, 96
			C. George	E. A. Sup.	6th	Nov. 1, 95
			J. H. S. Wilson	S. A. S.	2nd	Nov. 1, 88
			M. J. Sheehan	S. A. S.	2nd	Oct. 30, 85
			J. Donaghey	S. A. S.	2nd	Oct. 28, 85
			Permanent Establishment			
			Temporary ditto			
			Recess quarters, Bangalore.			

attached to Field Parties, 1st January 1898—continued.

SUBORDINATE ESTABLISHMENT.					Budget Estimate for 1897-98.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkundazes and Peons.		
22	9	412	1	12	82,010	
4	18	2		
12	7	251	1	18	2,00,480	
109	53	520	. . . .	1		
. . . .	. . . .	. . . .	. . . .	. . . .	. . . .	On probation.
19	41	461	1	21	89,060 88,840	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Imperial and Provincial Services.	Class.	Grade.	Date of appointment to Party.
10	Upper Burma (Topo.)	D. S. G. Topo.	Lt. W. M. Coldstream, B.E.	Offg. D. S.	2nd	Nov. 1, 97
			G. D. Cusson	E. A. Sup.	5th	Nov. 7, 96
			G. T. Hall	E. A. Sup.	5th	Oct. 1, 96
			P. J. Serrao	S. A. S.	1st	Nov. 14, 96
			J. A. Freeman	S. A. S.	2nd	Nov. 23, 91
			Recess quarters, Bangalore.			Permanent Establishment	ditto
11	Upper Burma (Topo.)	D. S. G. Topo.	P. J. W. Doran	E. A. Sup.	4th	May 12, 90
			W. M. Kelly	E. A. Sup.	5th	Oct. 1, 92
			P. White	E. A. Sup.	6th	Oct. 20, 96
			H. G. Shaw	S. A. S.	1st	Oct. 1, 92
			H. H. B. Hanby	S. A. S.	2nd	Dec. 5, 98
			Recess quarters, Bangalore			Permanent Establishment	ditto
12	Sind (Topo.)	Supdt., Trig.	C. F. Erskine	Offg. D. S.	1st	Oct. 9, 97
			B. C. D. Ewing	E. A. Sup.	4th	Nov. 10, 96
			G. G. Vander-Beek	E. A. Sup.	5th	Oct. 28, 95
			R. F. Warwick	E. A. Sup.	6th	Nov. 1, 95
			J. Smith	S. A. S.	1st	Oct. 29, 95
			F. P. Walsh	S. A. S.	1st	Nov. 1, 95
			Rahmatulla	S. A. S.	2nd	Nov. 22, 96
			E. C. J. Bond	S. A. S.	3rd	Dec. 17, 96
			C. J. Veale	S. A. S.	3rd	Oct. 1, 97
			Recess quarters, Munsoree			Permanent Establishment	ditto
14	Lushai (Topo.)	D. S. G. Topo.	Capt. G. B. Hodgson	Sup.	2nd	Oct. 8, 97
			J. Keating	E. A. Sup.	6th	Oct. 1, 99
			B. Waller-Senior	E. A. Sup.	6th	Oct. 1, 96
			Recess quarters, Shillong.			Permanent Establishment	ditto

attached to Field Parties, 1st January 1898—continued.

SUBORDINATE ESTABLISHMENT.					Budget Estimate for 1897-98.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkundazes and Peons.		
12	1	45	1	4	1,07,920	
3	...	163	...	...
...	...	...	...	...	...	In temporary charge.
14	2	45	1	4	1,12,250	
5	1	197	...	...
39	13	109	1	12	1,07,620	
8	2	460	...	5		
6	1	89	1	14	1,01,030	
...	...	63	...	...

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Imperial and Provincial Services.	Class.	Grade.	Date of appointment to Party.		
15	Baluchistan (Topo.)	D. S. G. Topo.	Col. Sir T. H. Holdich, R.C.I.E., C.B., D.E.	Sup.	1st	Apl. 3, 97		
			T. E. M. Claudius	E. A. Sup. (Sup.)	1st	Oct. 1, 83		
			E. A. Wainright	E. A. Sup.	4th	Oct. 1, 89		
			G. A. Knight	E. A. Sup.	6th	Nov. 1, 95		
			G. P. Tate	E. A. Sup.	6th	Oct. 16, 95		
			Yusuf Sharif, Khan Bahadur	S. A. S.	1st	Apl. 1, 89		
			M. C. Petters	S. A. S.	2nd	Oct. 1, 97		
			H. C. H. Cooper	S. A. S.	3rd	Nov. 24, 96		
			Permanent Establishment					
			Temporary ditto					
Recess quarters, Quetta.								
17	Bombay (Topo. Forests.)	D. S. G. Topo.	C. E. Tapsell	E. A. Sup.	3rd	Nov. 13, 98		
			S. F. Norman	E. A. Sup.	6th	Sep. 1, 74		
			C. A. Norman	E. A. Sup.	6th	Oct. 12, 74		
			Permanent Establishment					
Temporary ditto								
Recess quarters, Poona.								
18	Himalaya (Topo.)	Supdt. Trig.	L. J. Pocock	E. A. S. (Supy.)	1st	Aug. 17, 97		
			C. D. Potter	E. A. Sup.	4th	Nov. 1, 87		
			W. Robert	E. A. Sup.	5th	Sep. 1, 78		
			J. O. Greiff	S. A. S.	2nd	Oct. 19, 97		
			W. M. Gorman	S. A. S.	2nd	Sep. 19, 93		
			E. J. Biggie	S. A. S.	3rd	Oct. 24, 85		
			C. E. C. French	S. A. S.	3rd	Nov. 14, 98		
Recess quarters, Simla.								
20	Burma (Topo. Forests.)	D. S. G. Rev.	Lt. A. H. B. Hame, B.S.	A. Sup.	1st	Oct. 1, 97		
			W. A. Wilson	E. A. Sup.	1st	Nov. 15, 90		
			A. George	E. A. Sup.	6th	Nov. 24, 97		
			A. Ewing	Offg.	6th	Nov. 1, 89		
			H. A. Charrier	E. A. Sup.	2nd	Nov. 1, 89		
				S. A. S.				
Recess quarters, Bangalore.								
Permanent Establishment								
Temporary Establishment								

attached to Field Parties, 1st January 1898—continued.

SUBORDINATE ESTABLISHMENT.					Budget Estimate for 1897-98.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkundazes and Peons.		
23	1	162	1	6	1,23,600	
...	1	85	...	...
...	...	...	...	...	...	In temporary charge.
18	3	138	...	11	78,000	
25	...	123	...	...
...	...	...	...	...	...	In temporary charge.
25	25	252	1	20	65,580	
...	...	...	...	...	...	In charge.
29	4	689	2	11	1,25,240	
10	4	26	...	...

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Imperial and Provincial Services.	Class.	Grade.	Date of appointment to Party.
21	Upper Burma (Topo.)	D. S. G. Topo.	Lt. H. J. Hare, R.E.	A. Sup.	1st	Oct. 1, 97
			A. J. James	E. A. Sup.	3rd	Nov. 1, 98
			J. M. Kennedy	E. A. Sup.	6th	June 28, 97
			W. F. E. Adams	S. A. S.	1st	Oct. 21, 91
			P. Williams	S. A. S.	2nd	Oct. 23, 97
			P. R. Anderson	S. A. S.	3rd	Nov. 27, 96
			Permanent Establishment			
Recess quarters, Bangalore.			Temporary ditto			
22	India (Astronomical.)	Supdt. Trig.	Capt. G. P. Lenox-Conyngham, R.E.	D. Sup.	1st	Mar. 16, 97
			Lt. G. A. Beazeley, R.E.	A. Sup.	2nd	Oct. 12, 97
Recess quarters, Mussooree.						
23	India (Astronomical.)	Supdt. Trig.	Capt. G. P. Lenox-Conyngham, R.E.	D. Sup.	1st	Mar. 16, 97
			Hanuman Prasad	S. A. S.	3rd	Nov. 15, 96
Recess quarters, Mussooree.						
24	Baluchistan (Triangulation.)	Supdt. Trig.	Capt. J. M. Burn, R.E.	D. Sup.	2nd	Oct. 12, 91
			Lt. H. H. Turner, R.E.	A. Sup.	2nd	Aug. 2, 97
			J. Hickie	E. A. Sup.	5th	Oct. 1, 88
			P. F. Prunty	E. A. Sup.	6th	Sep. 15, 93
Recess quarters, Mussooree.						
25	India (Tidal and Levelling.)	Supdt. Trig.	Maj. S. G. Burrard, R.E.	Offg. Sup.	2nd	Dec. 16, 96
			Lt. H. L. Crosthwait, R.E.	A. Sup.	2nd	Nov. 22, 97
			G. P. Belcham	E. A. Sup. (Sup.)	1st	Sep. 1, 79
			E. J. Connor	E. A. Sup.	3rd	Dec. 1, 77
			J. Bond	E. A. Sup.	4th	June 1, 88
			J. P. Barker	S. A. S.	1st	Jan. 2, 97
Recess quarters, Poona.						

attached to Field Parties, 1st January 1898—continued.

SUBORDINATE ESTABLISHMENT.					Budget Estimate for 1897-98.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkundazes and Peons.		
7	1	63	1	4	99,420	In charge.
5	1	126				
	1	36			24,510	On medical leave for 9 months, from 1st July 1897.
	1	36			12,830	
	5	214	1	17	95,380	
	13	33		7	82,430	

Disposition List of Officers of the Survey of India Department

No. of Party.	Locale and nature of operations.	Administrative Superintendent.	Officers of the Imperial and Provincial Services.	Class.	Grade.	Date of appointment to Party.
Detacht.	Tirah	S. G.	Col. Sir T. H. Holdich, K.C.I.E., O.B., B.E.	Sup.	1st	Sep. 30, 97
			E. A. Wainright	E. A. Sup.	4th	Sep. 16, 97
			Hira Singh, B. B.	S. A. S.	1st	Sep. 12, 97
			Ahmed Ali Khan, K. B.	S. A. S.	3rd	Sep. 15, 97
Detacht.	Tochi Valley	S. G.	Lieut. F. W. Pirrie, I.S.C.	A. Sup.	1st	June 25, 97
Detacht.	Malakand	S. G.	Capt. C. L. Robertson, B.E.	Offg. D. Sup.	2nd	Aug. 6, 97
Detacht.	Mohmand	S. G.	Bt. Major W. J. Dythell, B.E.	D. Sup.	1st	Sep. 8, 97
Detacht.	Kurram Valley	S. G.	Bt. Lt.-Col. B. A. Wahab, C.I.E., B.E.	Sup.	2nd	Nov. 17, 97
Detacht.	China-Burma Boundary Delimitation Commission.	S. G.	Major F. B. Longe, B.E.	Sup.	2nd	Dec. 1, 97
			Capt. T. F. B. Renny-Tailyour, B.E.	D. Sup.	1st	Dec. 1, 97
			Ikbaluddin	S. A. S.	3rd	Dec. 1, 97

attached to Field Parties, 1st January 1898—concluded.

SUBORDINATE ESTABLISHMENT.					Budget Estimate for 1897-98.	REMARKS.
Surveyors, Sub-Surveyors, Field Surveyors, etc.	Draftsmen, Computers, Estimators, etc.	Flagmen and Carriers.	Hospital Assistants.	Burkundazes and Peons.		
3	...	28	...	...	...	Superintending North-Western Trans-frontier Survey Detachments with expeditionary forces,
2	...	15	...	...	...
3	...	20	...	...	...
3	...	20	...	...	...
3	...	67	...	...	...	On probation.

Disposition List of Officers of the Survey of India Department temporarily transferred or on furlough, etc., 1st January 1898.

Officers of the Imperial Service.	Officers of the Provincial Service.	Class.	Grade.	Govt. or Dept. to which transferred.	Date of deputation.	REMARKS.
<i>On Deputation.</i>						
W. H. Reynolds	Sup.	2nd	Forest Department.	Jan. 1, 71	On furlough.
E. F. Litchfield	D. Sup.	2nd	Ditto.	Oct. 16, 76	
G. B. Scott	Offg. Sup.	2nd	N.-W. Provinces.	Dec. 14, 94	
T. S. Marten	E. A. Sup.	6th	Forest Department.	Mar. 14, 74	
J. Marten	E. A. Sup.	6th	Ditto	Oct. 22, 75	
B. R. Hughes	S. A. S.	1st	Ditto	Oct. 15, 97	
A. Descubes	S. A. S.	1st	Ditto	Jan. 18, 87	
J. H. Nichol	S. A. S.	2nd	Ditto	Dec. 16, 88	
C. Litchfield	S. A. S.	2nd	Ditto	Nov. 14, 88	
<i>*J. H. O'Donel</i>	E. A. S.	3rd	Assam	Nov. 4, 92	
<i>*C. P. Torrens</i>	E. A. S.	5th	Burma	Oct. 1, 89	
<i>*P. Beechey</i>	S. A. S.	1st	Ditto	June 8, 90	
<i>*W. E. Johnson</i>	S. A. S.	1st	Ditto	Nov. 7, 95	
<i>*J. A. T. Had-dock</i>	S. A. S.	1st	Ditto	Oct. 16, 91	
<i>*C. G. S. Wood</i>	S. A. S.	1st	Ditto	Apr. 1, 94	
<i>*H. B. Powell</i>	S. A. S.	2nd	Ditto	Nov. 20, 95	
<i>*J. E. Scott</i>	E. A. Sup.	4th	Central Provinces.	Dec. 8, 87	
<i>*T. H. Dunne</i>	E. A. Sup.	4th	Egypt	Jan. 1, 97	
L. F. Berkeley	E. A. Sup.	6th	N.-W. Provinces.	Nov. 1, 96	
<i>*P. C. H. Smart</i>	E. A. Sup.	6th	Ditto	Oct. 15, 95	
<i>*O. D. Smart</i>	Offg. E. A. Sup.	6th	Ditto	Nov. 12, 95	
<i>*N. Bedford</i>	S. A. S.	1st	Ditto	Nov. 1, 94	
<i>*W. Skilling</i>	S. A. S.	1st	Ditto	Nov. 30, 94	
F. B. Powell	S. A. S.	1st	Ditto	Oct. 3, 96	
C. H. G. Johnson	S. A. S.	1st	Ditto	Nov. 5, 96	
J. H. Murphy	S. A. S.	2nd	Ditto	Oct. 1, 97	
G. Rae	S. A. S.	2nd	Ditto	Oct 1, 87	
Imam Sharif, x.b.	S. A. S.	2nd	Zanzibar	Mar. 5, 97	

* Names in italics are seconded.

<i>On Furlough, etc.</i>						
Col. J. E. Sandeman, I.S.O.	. . . . .	D. S. G. Rev. Sup.	. . . . .	. . . . .	. . . . .	For 1 year and 125 days, from 1st May 1897.
E. C. Barrett . . . . .	. . . . .	Sup.	1st	. . . . .	. . . . .	For 6 months, from 12th May 1897. Extension for 6 months and 3 days.
Capt. J. M. Fleming, I.S.O.	. . . . .	D. Sup.	1st	. . . . .	. . . . .	For 1 year and 7 months, from 13th November 1897.
E. F. Litchfield . . . . .	. . . . .	D. Sup.	2nd	. . . . .	. . . . .	For 9 months, from 24th June 1897.
Capt. P. J. Gordon, I.S.O.	. . . . .	D. Sup.	2nd	. . . . .	. . . . .	For 1 year, from 6th June 1897.
Capt. C. H. D. Eyder, B.S.	. . . . .	D. Sup.	2nd	. . . . .	. . . . .	For 2 years, from 20th March 1897.
H. T. Hanby . . . . .	. . . . .	E. A. Sup.	2nd	. . . . .	. . . . .	For 1 year, from 1st May 1897.
J. M. Kennedy . . . . .	. . . . .	E. A. Sup.	6th	. . . . .	. . . . .	For 9 months, from 1st July 1897.