

185685

ANNUAL RETURN
OF
STATISTICS
RELATING TO
FOREST ADMINISTRATION
IN
BRITISH INDIA
FOR THE YEAR
1915-16



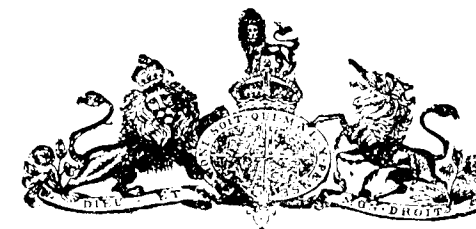
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Diagram showing annual forest revenue, expenditure and surplus for the 10 years 1906-07 to 1915-16.

STATEMENT I.

Area of forests under the control of the Forest Department.

PROVINCE.		FOREST AREA IN SQUARE MILES.				Percentage of forests to whole area of Province.	REMARKS.
Name.	Area in square miles.	Reserved.	Protected.	Unclassed State.	Total.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	78,875	(a) 4,871	(b) 1,711	4,030	10,612	13.5	(a) Excludes 18 square miles of reserved forest not under the management of the Forest Department.
United Provinces ..	166,725	(c) 5,170	2,288	35	7,493	7.0	(b) Excludes 54 square miles not under the control of the Forest Department.
Punjab	96,650	(d) 2,156	(e) 4,168	1,472	7,796	8.1	(c) Includes 160 square miles of leased forests.
Burma, including Shan States.	225,048	28,567	..	113,755	142,322	63.2	(d) Includes 365 square miles of leased forests but excludes 112 square miles of reserved forests not under the control of the Forest Department.
Bihar and Orissa ..	83,122	1,727	(f) 1,062	..	2,789	3.4	(e) Excludes 91 square miles not under the control of the Forest Department.
Assam	48,915	4,907	..	17,461	22,368	45.7	(f) Excludes 993 square miles not under the control of the Forest Department.
Central Provinces (including Berar).	99,948	19,666*	..	..	19,666	19.7	(g) Excludes 14 square miles of military and civil reserved forests.
Coorg	1,582	520	..	..	520	32.9	(h) 121 square miles of civil protected forests are not shown.
North-West Frontier Province.	13,184	(g) 236	(h)	..	236	1.8	(i) There are only 115 acres of protected forests in Ajmer.
Ajmer	2,767	142	(i)	..	142	5.1	(j) Reserved lands.
Baluchistan (portions under British administration).	54,228	313	..	472	785	1.4	* Excludes 22 square miles not under the control of the Forest Department.
Andamans and Nicobar	3,143	83	..	2,124	2,207	70.2	† Excludes forests in charge of the Revenue Department.
Madras	142,261	18,849	..	(i) 734	19,583	13.7	‡ Excludes 573 square miles for the Delhi Province and 25 square miles for the British Pargana of Manipur (Central India).
Bombay (including Sind).	123,033	11,993†	483†	..	12,481	10.1	
Total 1915-16 ..	1,079,481†	99,205	9,712	140,083	2,49,000	23.100	§ Excludes 575 square miles for the Delhi Province and 25 square miles for the British Pargana of Manipur (Central India).
" 1914-15 ..	1,079,149§	97,580	10,405	141,882	249,867	23.15	
" 1913-14 ..	1,079,638	96,297	8,390	140,925	245,612	22.7	
" 1912-13 ..	1,079,163	96,867	8,492	133,564	2,38,923	22.1	Includes the area of the Shan States, 54,728 square miles. The forests of these States are under the control of the Forest Department.
" 1911-12 ..	1,071,051	96,148	8,496	138,316	242,960	22.7	

STATE
Progress in for

PROVINCE.	AREAS ALREADY SETTLED AT THE COMMENCEMENT OF THE YEAR.			AREAS FINALLY SETTLED DURING THE YEAR.					
	Reserved forests.	Protected forests.	Total.	AREAS.			EXPENDITURE INCURRED.		
				Reserved.	Protected.	Total.	Reserved.	Protected.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	Rs.	Rs.
Bengal	488	..	488	..	..	..	..	..	..
United Provinces ..	4,114	4	4,118	896	..	896	..	..	..
Punjab	1,910	4,055	5,965	1	205	206	..	..	..
Burma	28,232	..	28,232	336	..	336	1,149	..	1,149
Bihar and Orissa ..	1,727	..	1,727	110	..	110	..	..	..
Assam	4,528	..	4,528	386	..	386	4,550	..	4,550
Central Provinces ..	19,667	..	19,667	15	..	15	..	..	..
Coorg	..	..	..	..	..	..	..	..	..
North-West Frontier Province.	250	121	371	..	..	..	..	..	..
Ajmer	..	..	..	..	..	..	..	..	..
Baluchistan ..	313	..	313	..	..	..	..	..	..
Andamans ..	85	..	85	*2	..	*2	..	..	..
Madras	18,850	..	18,850	23	..	23	1,960	..	1,960
Bombay	13,977	1,046	15,023	15	1	16	..	..	..
Total 1915-16 ..	94,141	5,226	99,367	1,782	206	1,988	7,659	..	7,659
" 1914-15 ..	98,753	6,409	105,162	1,291	1	1,292	8,762	..	8,762
" 1913-14 ..	100,893	6,414	107,307	692	..	962	9,193	..	9,193
" 1912-13 ..	97,661	6,088	103,749	986	..	986	7,093	..	7,093
" 1911-12 ..	97,407	6,090	103,497	310	..	310	19,512	..	19,512

* Disforested during the year.

MENT II.
est Settlements.

AREA UNDERGOING SETTLEMENT.								
AT COMMENCEMENT OF THE YEAR.			TAKEN IN HAND DURING THE YEAR.			EXPENDITURE INCURRED DURING THE YEAR.		
Reserved.	Protected.	Total.	Reserved.	Protected.	Total.	Reserved.	Protected.	Total.
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	Rs.	Rs.
26	..	26	23	..	23	43	..	43
2,284	..	2,284	5	..	5	68,101	..	68,101
..	..	..	..	..	..	..	..	..
643	..	643	129	..	129	907	..	907
110	..	110	..	..	..	..	..	..
309	..	309	140	..	140	474	..	474
23	..	23	1	..	1	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
16	..	16	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..
557	..	557	10	..	10	6,981	..	6,981
13	..	13	9	..	9	..	..	..
3,981	..	3,981	3,17	..	317	76,506	..	76,506
1,431	1,341	2,772	1,155	2,088	3,193	28,098	1,29,485	1,57,583
1,342	231	1,573	1,434	..	1,434	1,60,714	..	1,60,714
1,220	231	1,451	1,025	..	1,025	9,724	..	9,724
1,739	205	1,944	634	248	882	10,149	43,485	62,634

STATEMENT III.

Demarcation and maintenance of boundaries.

PROVINCE.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	EXPENDITURE ON DEMARCATION DURING THE YEAR.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.
Bengal	41	871	776	1,688	198	1,124	3,010	348	8,093
United Provinces ..	3,566	2,228	4,358	10,152	2,181	2,157	14,490	58,004	9,053
Punjab	24	1,196	7,561	8,781	23	1,222	10,026	605	2,690
Burma	250	2,488	16,267	19,014	314	3,139	22,467	4,027	16,744
Bihar and Orissa ..	246	3,492	283	4,021	..	270	4,291	5,545	1,895
Assam	89	737	920	1,746	116	1,890	3,752	3,129	3,561
Central Provinces ..	52	8,007	23,963	32,022	71	3,252	35,345	912	11,727
Coorg	..	..	475	475	5	56	536	..	129
North-West Frontier Province.	..	129	648	777	..	139	916	..	647
Ajmer	..	4	239	243	..	158	401	..	140
Baluchistan	..	..	460	460	..	77	537	..	..
Andamans	..	6	31	37	..	77	114	..	29
Madras	118	17,644	15,423	33,185	538	1,882	35,605	4,700	16,902
Bombay	1,343	11,223	25,859	38,425	1,131	2,994	42,550	5,518	5,206
Total 1915-16 ..	5,738	48,025	97,263	151,026	4,577	18,437	1,74,040	82,788	76,816
„ 1914-15 ..	4,128	55,091	88,664	147,882	7,138	18,898	173,919	75,306	103,691
„ 1913-14 ..	1,689	51,971	90,860	144,700	3,185	17,346	165,051	52,179	97,765
„ 1912-13 ..	2,200	53,881	89,557	146,338	4,301	18,025	167,963	51,150	85,687
„ 1911-12 ..	1,923	52,597	90,954	145,473	4,318	18,284	164,593	45,250	92,646

STATEMENT IV.
Forest Survey operations.

Province.	Forest surveyed.	NATURE OF SURVEY OPERATIONS.						TOTAL AREA OF DETAIL SURVEY.		Expenditure of the year including mapping and publishing charges debatable to Forests.	REMARKS.	
		1" DETAIL SURVEY.		2" DETAIL SURVEY.		4" DETAIL SURVEY.		1915- 1916.	Total up to date.			
		Area.	Cost rate.	Area.	Cost rate.	Area.	Cost rate.					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
		Sq.m.	Rs.	Sq.m.	Rs.	Sq.m.	Rs.	Sq.m.	Sq.m.	Rs.		
Bengal	..	..	..	..	..	..	..	..	3,265	..		
United Provinces ..	Southern Garhwal.	..	..	158	32.2	..	..	703	4,842	26,058	(a) 609 linear miles of boundaries have been traversed on the 4-inch scale.	
	Naini Tal (a)	..	..	..	..	50	32.2					
	Ramnagar (b)	..	..	..	..	495	32.2					
Punjab	..	..	..	..	..	..	..	..	4,365	..	(b) 398 linear miles of boundaries have been traversed on the 4-inch scale.	
Burma	Mansi (c) ..	..	..	47	54.2	..	..	222	16,388	..	(c) 62 linear miles of boundaries have been traversed on the 4-inch scale.	
	Myitkyina (d)	..	..	175		..	..					
	Meiktila ..	..	..	169	68.3	..	..	539			..	(d) 154 linear miles of boundaries have been traversed on the 4-inch scale.
	Katha (e) ..	..	..	..		..	..					
	Mandalay (f)	..	..	116		126	68.3					
Bihar and Orissa ..	Tenasserim ..	128	68.3	..	..	..	..	..	1,762	..	(e) 143 linear miles of boundaries have been traversed on the 4-inch scale.	
	Singhbhum and Chai-bassa.	..	..	..	..	..	..					
Assam	Sibsagar (g)	..	..	472	58.3	..	..	472	3,532	..	(g) 143 linear miles of boundaries have been traversed on the 4-inch scale. (h) Excludes 1.54 square miles of unreserved land and 122 linear miles have been traversed on the 4-inch scale.	
	Lakhimpur	..	..	(i)	..	..	..					
	Central Provinces ..	Berar ..	..	..	54(k)	238.4	..					..
Coorg	..	..	..	..	..	..	..	..	478	..	(j) 51 linear miles have been traversed on the 4-inch scale.	
North-West Frontier Province.	..	..	..	..	..	..	..	..	445	..	(k) 54 linear miles have been traversed on the 4-inch scale.	
Ajmer	..	..	..	..	..	..	..	..	144	..	(l) Includes Rs. 87 on account cost of mapping and publishing working plan map of Akola Division.	
Baluchistan ..	..	..	..	..	..	..	..	..	227	..	(m) 93 linear miles of boundaries have been traversed on the 4-inch scale.	
Andamans (m)	..	..	..	..	..	..	..	..	527	..		
Madras	Chittoor ..	..	..	7	18.8	..	..	29	15,408	..	(n) 27 linear miles of boundaries have been traversed on the 4-inch scale.	
	Cuddapah	..	..	1		..	..					
	Chingleput	..	..	21		..	..					
Bombay	East Khandesh (n).	..	..	..	..	..	..	..	12,983	..		
Total 1915-16 ..	..	128	..	1,220	..	671	..	2,019	83,866	(o) 45,084	(o) Cost of mapping, publishing and special surveys only. Excludes Forest map office Head Quarters charges, Rs. 48,624.	
„ 1914-15 ..	..	85	..	826	..	34	..	945	81,847	(p) 48,640	(p) Cost of mapping, publishing and special surveys only. Excludes Forest Map office Head Quarters charges, Rs. 43,631.	
„ 1913-14 ..	..	312	..	877	..	22	..	1,211	80,902	(q) 42,417	(q) Cost of mapping, publishing and special surveys only. Excludes Forest Map Office Head Quarters charges Rs. 39,050.	
„ 1912-13 ..	..	59	..	793	..	..	..	852	79,691	(r) 2,872	(r) Cost of mapping, publishing and special surveys only. Excludes Forest Map office Head Quarters charges, Rs. 36,220.	
„ 1911-12 ..	..	33	..	873	..	..	..	906	78,339	(s) 1,827	(s) Cost of mapping, publishing and special surveys only. Excludes Forest Map Office Head Quarters charges, Rs. 38,592.	

STATEMENT V.

Progress made in Working Plans.

Province.	AREA UNDER SANCTIONED WORK- ING PLANS.					AREA NOT UNDER WORKING PLANS.				REVISIONS.			Expenditure on working plans during the year.
	At commencement of the year.	Added during the year.	Deducted during the year.	AT CLOSE OF YEAR.		Plans under preparation.	PLANS NOT UNDER PREPARATION.		Total forest area in Statement I. (Total of columns 5, 7, 8 and 9.)	Due or required.	In progress at the end of the year.	Revised plans sanctioned during the year.	
				Actual area.	Percentage of total forest area (as shown in column 10).		Required at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. m.	Sq. m.	Sq. m.	Sq. m.	per cent.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.
Bengal	4,982	..	..	4,982	47	2	1,610	4,090	10,684*	522	522	6	314
United Provinces ..	4,074	8	6	4,076	54	3,330	..	87	7,493	1,397	1,018	340	3,911
Punjab	3,884	..	..	3,884	50	178	..	3,734	7,796	3,088	1,326	169	9
Burma	8,889	206	31	9,064	6	2,082	6,979	124,197	142,322	..	344	..	11,006
Bihar and Orissa ..	1,460	..	..	1,460	52	..	89	2,233	3,782†	..	..	..	..
Assam	1,123	..	..	1,123	23	134	2,015	19,096	22,368	722	64	..	..
Central Provinces ..	14,893	322	3	15,212	77	1,980	364	2,110	19,663	1,127	2,870	..	1
Coorg	207	313	..	520	100	..	..	..	520	..	..	..	5
North-West Frontier Province.	236	..	..	236	100	..	..	..	236	236	..	..	..
Ajmer	140	..	..	140	99	..	2	..	142	..	..	..	..
Baluchistan	..	..	..	..	..	313	..	472	785	..	..	..	..
Andamans	708	..	..	708	32	..	83	1,416	2,207	..	..	..	..
Madras	8,366	441	..	8,807	43	2,527	5,846	2,403	19,583	..	..	..	..
Bombay	7,189	50	7	7,232	59	1,013	874	3,625	12,744‡	3,967	2,366	255	21
Total 1915-16 ..	56,151	1,340	47	57,444	23.1	11,559	17,862	1,63,463	2,50,328	11,059	8,510	770	43
„ 1914-15 ..	52,867	2,762	..	55,629	22.3	..	24,990	1,59,485	2,49,867	..	..	..	..
„ 1913-14 ..	50,601	3,325	..	53,926	22	..	20,663	1,59,254	2,45,612	..	..	..	..
„ 1912-13 ..	50,854	868	..	51,722	19	..	20,102	1,54,667	2,38,923	..	..	..	..
„ 1911-12 ..	50,318	574	..	50,892	19	..	1,59,188	21,604	242,960	..	..	..	..

* Includes 18 square miles of reserved and 54 square miles of protected forests not under the control of the Forest Department.

† Includes 993 square miles under the control of the Forest Department.

‡ Includes 263 square miles of reserved forests in charge of the Revenue Department not shown in Statement I.

STATEMENT VI.

Expenditure on communications and buildings.

PROVINCE.	NEW WORKS.		REPAIRS.		Other Works.	TOTAL.
	Buildings.	Roads.	Buildings.	Roads.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	11,905	4,775	17,048	20,725	7,964	(a) 62,417
United Provinces ..	51,374	44,304	40,855	64,093	15,361	2,15,987
Punjab	27,125	16,933	10,630	8,011	5,815	68,514
Burma	46,793	25,063	52,190	55,898	19,022	1,98,966
Bihar and Orissa ..	16,394	19,764	8,594	12,018	3,865	60,635
Assam	22,306	14,281	16,400	14,195	5,641	72,823
Central Provinces ..	15,858	17,499	27,842	23,296	11,564	96,059
Coorg	2,562	2,819	3,338	5,870	2,944	17,533
North-West Frontier Province.	833	2,102	2,180	1,902	98	7,115
Ajmer	400	18	97	186	960	1,661
Baluchistan	..	..	265	..	2	267
Andamans	4,224	314	378	604	116	5,636
Madras	80,720	43,326	51,265	64,535	12,279	2,52,125
Bombay	19,205	27,318	15,609	38,714	5,502	1,06,348
Total 1915-16 ..	299,699	218,516	246,691	310,047	91,133	11,66,086
„ 1914-15 ..	559,391	375,798	275,747	575,596	122,358	17,08,890
„ 1913-14 ..	581,607	511,490	261,595	337,873	123,700	18,16,265
„ 1912-13 ..	578,632	343,091	243,413	289,256	134,231	15,88,623
„ 1911-12 ..	469,982	304,117	226,108	259,781	134,501	13,94,489

(a) Excludes pay of rest house-keepers Rs. 2,229.

STATEMENT VII.

Breaches of the forest rules.

PROVINCE.	Cases pending from 1914-1915.	NEW CASES OF THE YEAR.						DISPOSED OF DURING THE YEAR.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	TOTAL CASES.	CONVICTIONS.		ACQUITTALS.		TOTAL.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
Bengal	A. 24	6	309	64	54	433	457	403	1,182	25	135	428	1,317	28
	B. 46	10	843	810	92	1,756	1,802	1,768	3,064	..	..	1,768	3,064	33
	C. ..	21	94	26	21	162	162	..	..	..	..	..	..	..
Total ..	70	37	1,246	900	168	2,351	2,421	2,171	4,246	25	135	2,196	4,381	61
United Provinces ..	A. 27	40	72	39	33	184	211	137	289	28	66	165	355	46
	B. 559	156	1,711	1,382	112	3,361	3,620	3,516	10,929	110	203	3,625	11,132	205
	C. 6	96	246	25	21	388	394	..	..	..	..	..	..	..
Total ..	592	292	2,029	1,446	166	3,933	4,525	3,652	11,218	138	269	3,790	11,487	341
Punjab	A. 171	41	477	213	98	829	1,000	722	1,680	80	344	802	2,024	168
	B. 9	38	4,400	4,815	126	9,379	9,388	9,380	12,936	..	..	9,380	12,936	5
	C. ..	206	84	5	9	304	304	..	..	..	..	..	..	..
Total ..	180	285	4,961	5,033	233	10,512	10,692	10,102	14,616	80	344	10,182	14,960	173
Burma	A. 305	10	782	24	174	990	1,295	887	1,728	133	369	1,020	2,097	197
	B. 582	26	3,102	282	1,203	4,613	5,195	4,212	5,835	..	..	4,212	5,835	..
	C. ..	30	26	..	8	64	64	..	..	..	..	..	..	..
Total ..	887	66	3,910	306	1,385	5,667	6,554	5,099	7,563	133	369	5,232	7,932	955
Bihar and Orissa ..	A. 47	19	103	6	77	205	252	199	686	18	133	217	819	34
	B. 62	3	907	147	53	1,110	1,172	1,073	3,385	20	87	1,093	3,472	70
	C. ..	132	..	..	..	132	132	..	..	..	..	..	..	..
Total ..	109	154	1,010	153	130	1,447	1,556	1,272	4,071	38	220	1,310	4,291	111
Assam	A. 72	2	201	30	87	320	392	253	824	44	163	297	987	9
	B. 82	1	403	71	163	587	660	572	1,413	..	..	572	1,413	8
	C. ..	2	2	..	..	4	4	..	..	..	..	..	..	..
Total ..	154	5	606	101	190	911	1,056	825	2,237	44	163	869	2,400	18
Central Provinces ..	A. 28	15	75	137	43	270	298	198	489	54	320	252	809	4
	B. 1,617	85	5,474	6,002	592	13,053	14,670	13,130	40,426	3	6	13,133	40,432	1,55
	C. ..	250	342	15	7	614	614	..	..	..	..	..	..	..
Total ..	1,645	350	5,891	7,054	642	13,937	15,582	13,328	40,915	57	326	13,385	41,241	1,54
Coorg	A. 3	..	2	2	1	5	8	7	16	..	..	7	16	..
	B. ..	..	7	2	3	12	12	12	..	..	..	12	..	..
	C. ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	3	..	9	4	4	17	20	19	16	..	..	19	16	..
North-West Frontier Province.	A. 56	18	130	49	1	207	263	186	(a) 408	16	(c) 59	202	(d) 467	..
	B. ..	1	1,276	976	3	2,256	2,256	2,256	(b) 3,864	..	..	2,256	(e) 3,864	..
	C. ..	37	14	4	5	60	..	..	..	..	..	..	..	..
Total ..	56	56	1,429	1,029	9	2,523	2,510	2,442	4,272	16	59	2,458	4,331	..

(a) And 24 villages (number of persons not given).
 (b) And 4 villages (number of persons not given).
 (c) And 1 village (number of persons not given).
 (d) And 25 villages (number of persons not given).

STATEMENT VII—contd.

Breaches of forest rules.—contd.

PROVINCE.	Cases pending from 1914-1915.	NEW CASES OF THE YEAR.						DISPOSED OF DURING THE YEAR.						Cases pending at close of year.	
		Injury to forest by fire.	Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission, or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	TOTAL CASES.	CONVICTIONS.		ACQUITTALS.		TOTALS.			
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	
Ajmer ..	A.	4	..	25	18	2	46	50	28	45	5	5	33	50	17
	B.	12	..	669	640	3	1,313	1,325	1,217	2,803	68	149	1,285	2,952	40
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	16	..	694	658	5	1,359	1,375	1,245	2,848	73	154	1,318	3,002	57	
Baluchistan ..	A.	8	2	22	1	1	26	34	31	70	2	4	33	74	1
	B.	..	1	25	40	..	66	66	66	97	..	..	66	97	..
	C.	..	2	2	..	..	4	4	..	..	..	..	..	..	..
Total ..	8	5	49	41	1	96	104	97	167	2	4	99	171	1	
Andamans ..	A.	..	..	20	..	..	20	20	19	27	1	1	20	28	..
	B.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	C.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	20	..	..	20	20	19	27	1	1	20	28	..	
Madras ..	A.	2,632	92	5,033	2,052	341	7,518	10,150	7,474	20,771	587	2,227	8,061	22,998	2,616
	B.	3,566	44	14,401	5,634	661	20,740	24,306	..	..	19,306	40,502	10,306	40,502	3,615
	C.	..	1,699	504	505	9	2,627	2,627	..	..	..	..	..	..	..
Total ..	6,198	1,745	19,938	8,191	1,011	30,885	37,083	7,474	20,771	19,893	42,729	27,367	63,500	5,631	
Bombay ..	A.	256	86	446	210	118	860	1,116	767	1,755	92	268	859	2,023	249
	B.	949	165	7,484	8,827	1,081	17,557	18,506	17,545	34,383	..	..	17,545	34,393	960
	C.	42	1,638	2,312	37	40	4,027	4,069	..	..	..	..	4,026	..	41
Total ..	1,247	1,889	10,242	9,074	1,239	22,444	23,691	18,312	36,138	92	268	22,430	36,416	1,250	
GRAND TOTAL ..	A.	3,633	331	7,706	2,845	1,030	11,913	15,546	11,311	29,070	1,085	4,094	12,366	34,064	2,947
	B.	7,484	530	40,702	30,528	4,033	75,803	83,278	54,746	119,135	19,507	40,947	74,253	160,092	7,410
	C.	48	4,023	3,626	617	120	8,386	8,374	..	..	..	..	4,026	..	41
Total 1915-16 ..	11,165	4,834	52,034	33,990	5,183	96,102	107,198	66,057	149,105	29,592	45,041	90,675	194,156	(e) 10,398	
" 1914-15 ..	10,067	3,634	51,654	32,362	5,447	93,007	103,164	78,179	174,348	3,591	10,149	85,838	184,497	(d) 11,179	
" 1913-14 ..	9,052	4,012	50,899	33,938	5,541	94,390	101,531	83,026	174,084	1,114	4,139	88,411	178,223	(c) 10,084	
" 1912-13 ..	8,953	3,108	46,501	28,052	5,294	82,940	90,162	74,137	161,925	1,297	4,916	75,416	166,841	(b) 9,114	
" 1911-12 ..	7,773	4,182	45,279	27,176	4,753	81,386	89,163	60,220	153,676	1,831	6,126	71,051	154,400	(a) 8,559	

N. B.—A. Cases taken into Court.
 B. Cases compounded.
 C. Undetected cases.
 (a) Excludes 7,454 undetected cases and 1,799 cases struck off.
 (b) 3,563 " " 2,069 " "
 (c) " 1,116 " " 1,910 " "
 (d) " 3,756 " " 2,391 " "
 (e) " 3,375 " " 1,716 " "

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STATEMENT VIII.

Area protected from fire.

PROVINCE.	AREA IN SQUARE MILES.		Percent- age of forests under fire pro- tection to total area of reserves.	PERCENTAGE OF FAILURE TO AREA ATTEMPTED.		REMARKS.
	Attempted.	Protected.		Average of past five years to 1914-15.	1915-16.	
Bengal	579	570	11.7	1.0	1.5	
United Provinces ..	3,868	3,480	67.3	2.1	10.0	
Punjab	1,074	1,047	48.5	2.4	2.5	
Burma	2,680	2,473	8.7	4.4	7.7	
Bihar and Orissa ..	(a) 1,693	(a) 1,633	94.7	(b)	3.4	(a) Excludes pro- tected forests under fire pro- tection.
Assam	72	69	1.6	1.8	3.6	(b) Refers to the old province of Eastern Bengal and Assam.
Central Provinces ..	10,919	10,656	54.1	2.3	2.4	
Coorg	124	121	23.5	2.5	2.7	
North-West Frontier Province	80	51	21.6	9.7	36.5	
Ajmer	141	141	99.3	0.1	..	
Madras	16,072	14,220	75.5	6.5	11.5	
Bombay	11,749	11,121	92.7	4.2	5.3	
Total 1915-16	49,051	45,585	46.0	4.1	7.1	
„ 1914-15	50,203	48,487	51.4	4.5	3.4	
„ 1913-14	49,970	47,983	51.9	4.6	4.0	
„ 1912-13	51,659	49,833	53.3	5.2	3.5	
„ 1911-12	51,182	48,333	53.2	5.6	5.5	

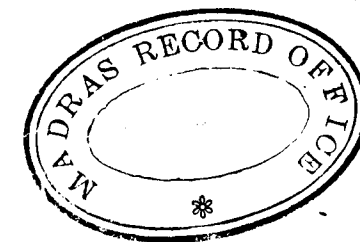
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STATEMENT IX.
Causes of forest fires.

PROVINCE.	Fires originating in Departmental Fire Conservancy operations.		External fires crossing the fire traces.		Fires due to careless- ness of outsiders.		Fires originating from intention or malice.		Fires due to unknown causes.		TOTAL.	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.	No.	Sq. M.
Bengal	1	..	5	3	3	1	4	..	9	4.5	22	8.6
United Provinces ..	48	11.1	81	48.9	118	59.2	141	241.0	53	28.1	441	388.3
Punjab	..	..	34	10.7	189	4.9	49	10.5	47	2.8	319	28.9
Burma	30	5.3	34	5.0	46	14.3	53	131.4	44	51.5	207	207.5
Bihar and Orissa ..	2	1.0	10	4.1	18	7.8	24	12.7	32	41.7	86	67.3
Assam	..	..	19	37.2	6	68.7	3	2.0	1	.5	29	108.4
Central Provinces ..	56	32.3	61	48.8	55	33.2	21	22.5	169	126.1	362	262.9
Coorg	5	..	1	..	..	..	5	3.3	..	..	11	3.3
North-West Frontier Pro- vince.	..	..	2	..	13	..	5	..	..	..	20	..
Ajmer	..	..	..	..	..	..	..	..	..	..	..	..
Baluchistan	..	..	..	..	5	..	..	..	2	..	7	..
Andamans	..	..	..	..	..	..	..	..	..	..	..	..
Madras	76	58.7	297	494	459	242.8	623	453.6	1,121	834.3	2,576	2,083.4
Bombay	58	46.7	148	96.1	535	68.1	344	125.4	854	311.4	1,939	647.7
Total 1915-16	276	155.1	692	747.8	1,447	500.0	1,272	1,002.4	2,332	1,400.9	6,019	3,806.3
„ 1914-15	255	96.9	419	373.0	1,068	250.2	927	297.7	1,609	664.1	4,278	1,681.8
„ 1913-14	310	148.2	431	426.1	1,278	332.7	690	359.0	2,038	723.6	4,756	1,989.6
„ 1912-13	227	79.8	409	212.7	870	207.5	606	392.3	1,531	999.4	3,643	1,891.6
„ 1911-12	281	131.5	451	487.5	1,782	833.0	871	536.0	1,524	856.4	4,909	2,844.4

STATEMENT X.

Area closed and open to grazing.

AREA IN SQUARE MILES.							
PROVINCE.	CLOSED TO ALL ANIMALS.		CLOSED TO BROWERS, CAMELS, GOATS OR SHEEP.		OPEN TO ALL ANIMALS.	Total area.	REMARKS.
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Bengal	5,764	30	80	63	4,747	(a) 10,684	(a) Includes 18 square miles of other reserves and 54 square miles of other protected forests.
United Provinces ..	2,183	145	874	2	4,289	7,493	
Punjab	250	561	531	36	6,418	7,796	
Burma	22,298	4,393	520	6	1,15,105	1,42,322	
Bihar and Orissa ..	1,401	..	653	..	1,728	(b) 3,782	(b) Includes 993 square miles of other protected forests not under the management of the Forest Department.
Assam	3,888	331	470	..	17,678	22,367	
Central Provinces ..	3,125	348	10,028	..	6,165	19,666	
Coorg	72	447	..	..	1	520	
North-West Frontier Province.	90	..	99	..	47	236	(c) The whole area is closed to browsers, (camels).
Ajmer	12	130	..	..	..	142	
Baluchistan	202	2	13	..	568	785	
Andamans	83	..	..	..	2,124	2,207	
Madras	3,512	178	657	2	15,234	(d) 19,583	(d) Of the total area 15,03 square miles were closed to goats only. (e) Includes 2,537 square miles not under the charge of the Forest Department.
Bombay	1,904	291	8,864	331	3,628	(e) 15,018	
Total 1915-16 ..	44,784	6,856	22,789	440	177,732	252,601	
„ 1914-15 ..	45,021	6,266	22,975	428	178,869	253,550	
„ 1913-14 ..	43,591	6,699	23,302	436	175,336	249,364	
„ 1912-13 ..	42,692	7,297	22,713	482	169,345	242,529	
„ 1911-12 ..	41,568	7,660	21,414	561	175,347	246,550	



GRAZED ON PAYMENT, NUMBER OF ANIMALS.										
PROVINCE.	AT FULL RATES.					AT PRIVILEGED RATES.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Bengal	1,921	1,335	381	..	45	143	114,398	164	..	25
United Provinces ..	62,738	163,449	127,232	976	3,419	35,270	151,035	31,847	..	1,861
Punjab	17,609	95,332	291,139	12,193	950	966	39,232	312,551	17	922
Burma	5,256	20,968	72	1,831	111	35	35	..	..	..
Bihar and Orissa ..	8,999	34,047	6,163	..	4	9,007	136,559	14,688	..	..
Assam	85,093	39,736	1,067	..	627	6	5	..	..	..
Central Provinces ..	279,583	828,691	477,085	178	4,383	97,554	1,687,714	4,322	..	..
Coorg	300	3,866	..	..	..	..	..	..	..	..
North-West Frontier Province.	2,614	2,702	2,346	..	14	..	..	..	..	..
Ajmer	166	1,648	..	..	..	1,575	10,575	..	..	..
Baluchistan	349	2,277	11,861	22	63	..	..	..	..	..
Madras	97,640	925,178	1,148,529	..	2	15,486	1,09,385	29,162	..	18
Bombay	34,327	(a) 119,097	122,247	2,960	2,412	173,924	(a) 1,268,529	207,160	..	..
Total 1915-16 ..	5,96,595	22,38,326	21,88,122	18,160	12,030	333,966	35,17,467	5,99,894	17	20
.. 1914-15 ..	601,839	2,475,321	2,618,384	11,746	18,409	307,563	3,274,365	554,814	1,356	24
.. 1913-14 ..	762,295	3,083,544	2,736,813	14,353	20,883	239,291	2,822,584	458,069	..	20
.. 1912-13 ..	696,074	2,875,482	1,515,205	12,185	22,998	347,069	3,844,768	1,921,392	..	..
.. 1911-12 ..	745,400	3,219,481	2,344,142	14,887	25,429	369,697	3,134,478	592,331	4	..

(a) Includes buffaloes in the Southern Circle.

MENT XI.
from cattle.

GRAZED FREE, NUMBER OF ANIMALS.									
BY RIGHT UNDER SETTLEMENT.					DURING PLEASURE OF GOVERNMENT OR OTHERWISE THAN UNDER SETTLEMENT.				
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
..	..	..	..	..	456	1,618	..	..	..
23,879	314,532	37,169	..	1,508	3,475	20,879	10,574	..	101
133,816	641,692	1,311,532	276	185,878	25	9,160	47	4,086	29
142,700	635,885	84	..	284	21,581	..	..	..	9,236
30,866	99,834	21,000	..	..	181	691	471	..	..
..	340	..	..	..	66,788	4,07,149	76,227	..	325
..	375	..	..	..	800	263,433	447	..	70
..	545	..	..	..	..	9,744	..	..	..
6,973	9,753	..	..	..	5,971	10,433	..	..	461
..	..	..	..	..	1,564	9,498	..	..	..
..	3,310	53,226	1	1,193	..	..	..	..	..
159	2,490	5,271	..	..	7,748	61,673	775	..	1
4,364	14,411	61	2	358	83,486	(a) 427,553	5,173	1,514	4,847
342,757	1,723,167	1,428,343	279	189,221	192,075	1,221,831	93,714	5,600	15,070
246,601	1,166,591	1,432,644	279	182,992	189,832	1,143,758	82,648	3,351	6,464
243,388	1,108,288	1,435,051	310	183,445	175,601	1,057,944	88,729	4,083	8,212
264,744	1,216,629	1,464,902	310	183,344	152,684	1,051,168	89,651	3,554	9,075
272,550	1,318,860	1,439,407	308	183,481	219,129	1,237,379	85,157	2,289	7,325

STATEMENT XII.

Area of plantations and the cost of the year's work.

PROVINCE.	AREA IN ACRES AT CLOSE OF THE YEAR.			
	Regular Plantations.	Taungyas.	Total.	Cost of operations during the year.
(1)	(2)	(3)	(4)	(5)
				Rs.
Bengal	(a) 1,585	225	1,810	2,308
United Provinces	(b) 18,500	..	18,500	25,640
Punjab	(c) 2,088	..	2,088	21,766
Burma	(d) 3,377	(e) 76,870	80,247	27,655
Bihar and Orissa	1,209	..	1,209	2,276
Assam	3,372	151	3,523	1,287
Central Provinces	760	(f) 5,379	6,139	629
Coorg	2,072	2,582	4,654	3,943
North-West Frontier Province	..	..	..	..
Ajmer	(g) 2	..	2	36
Baluchistan	46	..	46	..
Andamans	(h) 2,563	..	2,563	10,253
Madras	(i) 27,111	824	27,935	32,307
Bombay	(j) 6,811	..	6,811	15,077
Total 1915-16	69,496	86,031	155,527	143,177
" 1914-15	63,151	87,059	150,210	1,73,001
" 1913-14	55,755	87,830	143,585	1,84,837
" 1912-13	55,143	85,636	140,779	2,31,754
" 1911-12	60,634	87,983	148,617	2,25,850

(a) 97 acres excluded during the year.
 (b) 484 acres excluded during the year.
 (c) 45 acres excluded during the year.
 (d) 30 acres excluded during the year.
 (e) 198 acres excluded during the year.
 (f) 796 acres excluded during the year.
 (g) 358 acres excluded during the year.
 (h) 27½ acres excluded during the year.
 (i) 1,377 acres excluded during the year.
 (j) 1,511 acres excluded during the year.

STATEMENT XIII.

Outturn of forest produce.

Province.	RESERVED FORESTS.		PROTECTED FORESTS.		UNCLASSIFIED FORESTS.		TOTAL.		AVERAGE OUTTURN PER SQUARE MILE.							
	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	Timber and fuel.	Minor produce.	RESERVED FORESTS.	PROTECTED FORESTS.	UNCLASSIFIED FORESTS.	TOTAL.	RESERVED FORESTS.	PROTECTED FORESTS.	UNCLASSIFIED FORESTS.	TOTAL.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.	C. ft.	Rs.
Bengal	17,511,297	2,92,988	320,121	15,320	1,035,755	26,378	18,867,173	334,686	3,595	60	187	9	257	7	1,778	12
United Provinces	22,532,779*	11,27,684	1,243,150	24,023	90,239	1,528	23,866,177	11,53,240	4,358	218	543	11	2,578	44	3,185	154
Punjab	12,706,403*	12,05,617	18,502,800	11,95,015	8,131,874	38,930	39,341,137	24,39,562	5,893	559	4,439	286	5,524	26	5,046	313
Burma	18,937,278	5,31,987	..	..	43,154,560	4,90,293	62,093,838	10,22,190	663	18	..	..	379	4	436	7
Bihar and Orissa	2,704,356	89,864	15,020,611	1,47,916	29,663	619	17,754,630	2,38,429	1,566	52	14,143	139	..	..	6,366	85
Assam	2,048,093	1,31,120	..	..	9,625,550	805,724	11,673,643	9,36,844	417	27	..	..	551	46	522	42
Central Provinces	32,827,814	21,92,862	..	..	..	..	32,827,814	21,92,862	1,669	111	..	..	..	..	1,669	111
Coorg	3,48,986	26,976	151,022	345	..	..	500,008	27,221	671	52	..	..	..	..	962	52
North-West Frontier Province	3,057,527	35,744	..	..	..	..	3,057,527	35,744	12,956	151	..	..	..	..	12,956	151
Ajmer	238,843	87,481	..	72	..	..	238,843	87,553	1,682	616	..	..	..	..	1,682	616
Baluchistan	50,008	43,944	..	..	84,419	40	134,427	43,984	160	140	..	..	179	08	171	56
Andamans	8,14,380	1,669	..	..	10,81,145	1,765	18,95,525	3,434	9,812	20	..	..	509	8	850	1
Madras	17,100,019*	18,98,239	..	..	6,680,572†	41,943	23,780,591	19,40,182	907	100	..	..	9,102	57	1,214	99
Bombay	48,581,166*	12,24,806	1,274,210	..	329,402	..	50,184,778	12,24,806	4,049	102	2,638	..	..	..	4,021	96
Total 1915-16	179,458,949	88,90,881	36,511,983	1,382,726	70,245,179	14,07,130	286,216,111	116,80,737	1,609	90	3,759	142	501	10	1,149	47
" 1914-15	166,127,920	80,97,598	38,147,762	14,61,904	66,179,777	12,03,781	270,453,459	1,07,63,283	1,702	83	3,066	141	466	8	1,082	48
" 1913-14	185,988,403	82,11,087	26,629,457	13,53,532	82,025,463	12,34,286	294,643,323	1,07,98,905	1,931	85	3,174	161	582	9	1,200	44
" 1912-13	185,318,638	87,14,039	28,761,685	13,40,686	76,638,543	12,29,949	290,718,866	1,10,84,674	1,913	88	3,387	158	574	9	1,217	44
" 1911-12	168,538,693	80,50,904	28,351,270	14,70,953	62,304,550	11,12,869	257,104,423	1,06,34,726	1,732	84	3,337	173	450	8	1,059	44

*Includes leased forests.
 †Reserved and unreserved lands.

STATEMENT XIV.
Forest produce removed by different agencies.
Part I.—Timber and Fuel.

PROVINCE.	TIMBER.					FUEL.				
	By Govern- ment.	By purcha- sers.	By free grantees.	By right holders.	Total.	By Govern- ment.	By purcha- sers.	By free grantees.	By right holders.	TOTAL.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Bengal	50,291	5,827,478	3,320	..	5,881,098	23,732	10,865,889	2,096,454	..	12,986,075
United Provinces	977,633	7,147,626	113,209	600,091	8,838,559	537,711	5,701,420	238,139	8,550,348	15,027,618
Punjab	290,882	8,378,044	141,433	708,526	9,518,885	1,841,294	3,890,964	95,532	23,994,462	29,822,252
Burma	38,61,730	24,269,176	7,45,872	1,603,364	30,480,142	2,483,823	26,769,674	270,273	2,089,926	31,613,696
Bihar and Orissa	8,216	1,112,041	18,639	201,327	1,340,273	1,729	1,674,609	5,780	14,732,239	16,414,357
Assam	212,857	3,440,596	557,063	..	4,211,116	51,049	2,276,942	5,207,274	9,200	7,544,465
Central Provinces	670,623	6,213,502	203,261	65,525	7,154,911	527,212	22,188,508	2,224,308	732,875	25,672,904
Coorg	113,266	215,654	138	..	329,058	39,210	131,740	..	..	170,950
North-West-Frontier Province	23,459	2,107,289	67,320	2,186	2,200,254	63,295	367,438	426,076	479,756	1,386,560
Ajmer	..	4,492	..	567	5,059	9,026	2,21,800	2,958	..	2,33,784
Baluchistan	808	3,055	6,111	..	9,974	34,846	89,511	96	..	124,453
Andamans	757,699	38,301	25,650	32,006*	853,656	6,91,866	25,440	2,05,200	1,19,360*	10,41,866
Madras	617,351	3,000,249	118,457	182,648	3,918,705	1,365,111	17,907,659	6,921	582,195	19,861,880
Bombay	1,081,374	4,341,238	62,359	77,647	5,562,618	4,331,932	32,075,769	71,361	81,43,098	44,622,160
Total 1915-16	8,666,189	66,098,444	2,065,791	3,473,887	80,304,311	12,001,836	124,187,363	10,850,372	59,433,459	206,478,030
„ 1914-15	7,985,592	64,265,882	2,679,787	6,364,563	81,295,824	10,969,806	116,270,082	8,863,201	53,577,265	189,680,533
„ 1913-14	7,655,518	81,809,626	4,299,819	3,460,207	97,225,170	13,632,994	124,457,870	18,894,872	40,432,417	197,418,153
„ 1912-13	7,677,116	80,302,172	3,157,166	3,823,795	94,960,249	15,255,136	122,846,567	9,462,100	48,194,724	195,758,611
„ 1911-12	6,560,737	62,038,563	2,356,266	3,478,234	74,331,800	22,289,684	107,437,118	6,822,664	46,312,617	182,862,622

*By district officers.

STATEMENT XIV—contd.
Forest produce removed by different agencies—contd.
Part II.—Value of minor forest produce.

PROVINCE.	BAMBOOS.					GRAZING AND FODDER GRASS.					OTHER MINOR PRODUCE.				
	By Gov- ernment.	By purcha- sers.	By free grantees.	By right holders.	Total.	By Govern- ment.	By purcha- sers.	By free grantees.	By right holders.	Total.	By Govern- ment.	By purcha- sers.	By free grantees.	By right holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	49	65,142	68	..	65,259	..	57,935	21,586	..	79,521	662	1,88,017	1,227	..	1,89,906
United Provinces	141	1,84,673	7	5,927	1,90,748	1,899	1,52,398	3,038	1,72,983	3,30,318	3,61,781	2,25,902	5,257	39,234	6,32,174
Punjab	2,700	12,854	1	163	15,718	..	1,83,762	3,592	20,03,799	21,91,153	1,71,097	16,615	75	44,904	2,32,691
Burma	519	2,42,772	242	15,373	2,58,906	..	10,609	68,101	2,84,385	3,63,095	891	3,33,269	2,311	63,718	4,00,189
Bihar and Orissa	8,204	18,627	170	21,898	48,899	..	8,665	585	85,021	94,271	387	71,372	53	23,447	95,259
Assam	67	16,753	3,578	..	20,404	..	1,83,151	3,09,058	127	4,92,336	3,010	1,99,118	2,22,427	..	4,24,555
Central Provinces	5,209	2,41,094	5,285	3,931	2,55,519	7,000	14,78,365	1,49,183	1,328	16,35,856	7,619	2,78,877	13,906	1,085	3,01,437
Coorg	..	(a) 1,652	..	..	1,652	..	1,259	2,436	136	3,831	..	21,738	..	..	21,738
North-West Fron- tier Province.	..	..	..	..	..	..	11,103	17,069	7,150	35,322	41	378	3	..	422
Ajmer	..	252	..	..	252	601	1,595	6,456	75,708	84,358	1,068	1,875	..	..	2,943
Baluchistan	..	..	..	..	..	..	1,676	125	41,470	43,271	15	488	211	..	714
Andamans	78	41	214	215	548	..	..	..	..	..	289	263	2,180	154	2,886
Madras	10,607	3,05,498	987	407	3,17,499	..	6,89,635	6,592	936	6,97,163	37,794	8,62,966	574	24,186	925,520
Bombay	94	90,671	270	5,048	96,083	68,942	4,65,614	8,949	3,28,359	8,71,864	28,942	1,63,732	2,526	61,659	2,56,859
Total 1915-16	27,668	1,180,035	10,822	52,962	12,71,487	78,442	32,45,767	5,06,750	30,01,400	69,22,359	6,13,596	23,64,610	2,50,750	2,58,387	34,87,343
„ 1914-15	34,309	10,22,060	12,049	49,187	11,17,605	28,234	32,54,843	5,48,908	27,97,531	66,20,516	5,95,163	19,52,132	2,57,547	2,24,457	30,10,299
„ 1913-14	47,367	11,70,509	29,401	58,276	13,05,553	1,62,578	29,40,611	6,07,302	26,70,613	63,81,109	5,08,868	21,04,757	2,80,140	2,17,914	31,11,679
„ 1912-13	82,514	10,38,771	25,199	50,079	11,96,563	1,57,249	31,15,811	3,16,915	27,57,202	65,47,237	3,79,683	24,83,720	266,250	2,11,321	33,40,874
„ 1911-12	1,23,106	10,71,367	14,503	80,193	10,89,171	1,10,149	25,90,173	3,51,957	29,13,447	61,95,623	4,59,916	21,26,552	2,57,512	3,05,647	31,49,627

(a) Includes cost of 35,450 reeds.

STATEMENT XV.

Exports of Forest produce.

ARTICLES OF FOREST PRODUCE.	QUANTITY IN TONS OF 20 CWT. IN THE CASE OF TEAK AND OTHER TIMBERS, CUBIC TONS.		VALUATION AT PORT OF SHIPMENT IN 1915-16.	
	Average of 5 years 1910-11 to 1914-15.	In 1915-16.	Total.	Per ton.
(1)	(2)	(3)	(4)	(5)
			Rs.	Rs.
Caoutchouc, raw	836	2,354	1,26,67, 226	5,381
Lac	Button	638	5,75,805	903
	Shell	17,933	1,54,73,836	863
	Stick, seed and other kinds	2,295	11,26,171	491
Cutch and gambier	3,617	7,276	24,19,989	333
Myrabolams	66,910	69,633	70,52,352	101
Cardamums	153	215	7,43,958	3,460
Sandal, Ebony and other ornamental woods ..	(a)	(a)	15,58,120	..
Teak	51,649	32,403	60,56,864	187
Other timbers (excluding firewood) ..	6,352	3,622	2,56,122	71
Total in 1915-16 ..				4,79,30,443
„ 1914-15 ..				4,17,49,407
„ 1913-14 ..				4,54,25,118
„ 1912-13 ..				4,67,80,613
„ 1911-12 ..				3,96, 36,932

(a) Quantity (whether by weight or measurement) not recorded.

STATEMENT XVI.

Estimated value of forest produce given away free or at reduced rates.

PROVINCE.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Other minor produce.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Bengal	198	22,006	11,287	49,635	1,227	84,353
United Provinces	81,013	81,357	5,934	2,00,048	45,386	4,13,738
Punjab	32,895	9,52,743	245	20,09,766	44,898	30,40,547
Burma	2,11,008	12,591	18,038	3,52,486	63,607	6,57,730
Bihar and Orissa	16,031	1,59,772	22,068	85,607	24,900	3,08,378
Assam	42,728	68,002	3,578	3,09,185	2,22,427	6,45,920
Central Provinces	15,157	80,977	25,124	7,86,059	59,051	9,66,368
Coorg	34	..	..	2,572	..	2,606
North-West Frontier Province ..	5,162	20,808	..	24,110	103	50,192
Ajmer	63	..	..	84,743	..	84,806
Baluchistan	2,723	..	..	41,470	103	44,296
Andamans	1,695	8,114	429	..	2,334	12,572
Madras	22,324	6,111	1,394	9,523	24,760	64,112
Bombay	3,16,522	9,22,978	20,318	6,37,695	2,44,185	21,41,698
Total 1915-16 ..	7,47,553	23,35,459	1,08,415	45,92,908	7,32,981	85,17,316
„ 1914-15 ..	9,78,430	22,71,655	1,02,095	43,67,560	6,85,948	84,05,688
„ 1913-14 ..	9,13,245	19,27,965	1,13,992	37,72,590	6,77,202	74,04,994
„ 1912-13 ..	6,03,992	17,61,889	1,08,600	37,63,678	6,62,760	69,00,919
„ 1911-12 ..	5,21,934	17,85,668	1,23,517	37,62,335	7,91,414	69,87,868

STATEMENT XVII.

Details of revenue and expenditure for the Forest year 1915-16.

										Rs.			
Gross Receipts	{	(a)	Wood	..	..	..	..	..	..	2,29,54,053			
		(b)	Minor forest produce	..	..	..	..	..	..	27,03,432			
		(c)	Forest stamps and commutation fees for forest produce	..	..	..	..	..	..	1,48,301			
		(d)	Grazing	..	..	..	..	..	..	32,27,006			
		(e)	Revenue from forests not managed by Government	..	..	..	..	..	..	1,92,394			
		(f)	Miscellaneous	..	..	..	..	..	..	18,21,082			
Total Revenue										3,10,46,268			
Expenditure	{	{	(a)	Administra- tion.	(i)	Superior Staff	..	..	..	37,20,068			
					(ii)	Subordinate Staff (including Rangers, Foresters and Guards).	..	..	..	35,37,320			
					(iii)	Office Establishments (including Contingencies).	..	..	..	19,53,913			
			(b)	Working	(1)	Extraction	..	..	..	43,52,475			
					(2)	Roads and Buildings	..	..	..	11,91,715			
					(3)	Fire protection..	..	..	..	5,29,247			
					(4)	Cultural operations	..	..	..	6,34,772			
					(5)	Live-stock, stores and plant	..	..	..	6,67,227			
					(6)	Working-Plans..	..	..	..	50,166			
					(7)	Rent for leased forests	..	..	..	2,37,381			
					(8)	Miscellaneous	..	..	..	2,11,874			
			(c)	Expenditure on realization of revenue from forests not managed by Government.	..	..	..	7,668					
			(d)	Forest Science and Education (including all "A" and "B" charges of Imperial Forest College and Research Institute.*	..	..	..	2,87,616					
			Total										1,74,31,442
			B. Extraordinary	{	(e)	Forest Settlement	..	..	..	..	..	1,97,103	
					(f)	Forest Survey	..	..	..	..	..	74,089	
					(g)	Forest Demarcation	..	..	..	..	..	1,64,797	
Total										4,35,989			
GRAND TOTAL OF EXPENDITURE										1,78,67,431			
Net Revenue										1,31,78,837			

*Expenditure under this head in provinces has been included in (a) Administration.

STATE

Summary of revenue and expenditure of the

Budget Heads.	Imperial.	Bengal.	United Provinces.	Punjab.	Burma.	Bihar and Orissa.	Assam.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
REVENUE.							
I.—Timber and other produce removed from the forests by Government agency.	18,648	2,328	8,67,799	3,65,911	17,22,539	8,515	182,513
II.—Timber and other produce removed from the forests by consumers or purchasers.	4,765	10,85,353	27,42,958	11,99,962	74,25,790	4,90,437	726,821
III.—Drift and waif wood and confiscated forest produce.	..	6,940	5,479	44,511	2,01,163	2	18,259
IV.—Revenue from forests not managed by Government.	..	..	14,909	3,382	1,58,649	..	49,100
V.—Miscellaneous	44	50,989	1,07,686	1,13,517	1,91,076	9,773	78,359
Total Revenue ..	(a)23,457	11,45,610	37,38,831	17,27,283	9,699,217	5,17,727	10,55,052
EXPENDITURE.							
A.—CONSERVANCY AND WORKS.							
I.—Timber and other produce removed from the forest by Government agency.	4,146	1,031	8,20,193	1,29,477	11,39,519	3,935	74,441
II.—Timber and other produce removed from the forests by consumers or purchasers.	..	1,05,732	54,192	6,766	1,56,630	12,052	27,755
III.—Drift and waif wood and confiscated forest produce.	..	1,136	1,774	23,364	92,237	..	603
IV.—Revenue from forests not managed by Government.	..	..	6,191	..	261	..	1,657
V.—Rent of leased forests and payment to shareholders in forests managed by Government.	..	672	1,37,609	51,435	..	..	35,288
VI.—Live-stock, stores tools and plant	128	10,837	55,316	22,914	331,735	4,911	30,472
VII.—Communications and buildings ..	..	67,668	2,11,080	82,896	2,20,193	63,106	82,767
VIII.—Demarcation, improvements and extension of forests.	604	43,566	3,74,050	1,20,652	3,40,859	29,102	37,258
IX.—Miscellaneous	..	6,048	40,024	7,728	47,960	2,453	12,866
Total A.—Conservancy and Works ..	(b)4,878	2,36,698	17,00,429	4,45,232	23,29,394	1,15,559	3,03,107
B.—ESTABLISHMENTS.							
I.—Salaries	1,04,212	2,92,272	6,63,367	3,70,425	2,063,040	2,02,836	3,64,221
II.—Travelling Allowances	202	44,000	1,14,229	68,890	3,41,803	28,869	63,808
III.—Contingencies	210	20,665	88,282	39,331	1,52,004	14,286	24,078
Total B.—Establishments ..	(c) 1,04,624	3,56,937	8,65,878	4,78,646	25,56,847	2,45,991	4,52,107
GRAND TOTAL OF EXPENDITURE ..	1,09,502	5,93,635	25,66,307	9,23,878	48,86,241	3,61,550	7,55,214
SURPLUS ..	..	5,51,975	11,72,524	8,03,405	48,12,976	1,56,177	2,99,838
DEFICIT ..	86,045	..	..	..	..	..	..
Proportion of surplus to gross revenue ..	..	48	31	45	50	30	28
Net revenue per square mile of forest area under control of Forest Department.	..	52	156	103	34	56	13

(a) Includes revenue derived from Indore and Bangalore.
 (b) Includes expenditure on account of Indore and Bangalore.

PART XVIII.

Forest Department in India for the financial year 1915-16.

Central Provinces.	Coorg.	North-West Frontier Province.	Ajmer.	Baluchistan.	Andamans.	Forest College and Research Institute.	Forest Survey (Imperial).	Madras.	Bombay.	TOTAL.
(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
55,184	3,75,634	17,944	3,054	11,905	4,28,654	..	..	8,20,854	15,99,306	65,60,788
1,39,389	61,135	1,58,740	16,666	3,781	5,773	..	..	27,48,398	29,04,850	225,23,818
1,713	..	655	25	..	..	..	..	17,783	3,922	3,00,452
4,821	..	1,555	..	5,837	..	..	..	..	4,933	2,43,186
1,97,155	12,386	7,921	3,700	110	357	6,995	..	5,19,803	1,88,252	14,88,123
2,78,262	4,49,155	1,86,815	23,445	21,633	4,34,784	6,995	..	41,06,838	47,01,263	3,11,16,367
27,580	18,683	12,006	895	5,566	3,00,247	..	..	1,48,888	8,48,947	35,35,562
1,56,611	..	364	235	..	193	..	..	1,15,407	58,908	6,94,845
234	..	142	..	..	..	..	..	2,099	151	1,21,740
..	..	..	..	185	..	..	..	..	..	8,294
..	..	19,089	..	..	..	..	..	14,506	33,725	2,92,414
26,237	11,620	202	998	40	23,291	6,051	..	1,31,180	19,236	6,75,168
15,220	17,566	7,417	1,116	272	5,245	14,716	..	2,61,148	1,22,520	12,72,930
1,86,718	49,672	1,065	4,735	27	25,199	..	48,663	5,90,237	1,30,392	19,82,799
26,388	3,193	1,273	47	252	2,470	24,839	..	15,547	44,484	2,35,572
1,38,988	1,00,734	41,558	8,026	6,342	3,56,645	45,606	48,663	1,279,102	12,58,363	88,19,324
1,61,788	63,522	51,304	14,092	19,282	65,728	1,91,120	..	12,59,051	11,71,081	78,57,341
28,339	9,686	7,801	1,881	1,993	7,372	18,119	..	2,63,904	1,53,586	12,54,482
1,05,221	2,691	4,132	1,153	378	1,087	23,673	..	1,25,261	59,008	6,61,460
1,95,348	75,899	63,237	17,126	21,653	74,187	2,32,912	..	16,48,216	13,83,675	97,73,283
1,34,336	1,76,633	1,04,795	25,152	27,995	4,30,832	2,78,518	48,663	29,27,318	26,42,038	1,85,92,607
1,43,926	2,72,522	82,020	..	..	3,952	..	..	11,79,520	20,59,225	1,25,23,760
..	..	..	1,707	6,362	..	2,71,523	48,663	..	..	..
47	61	44	..	..	1	..	..	29	44	40
78	524	348	..	..	2	..	..	60	165	50

Revenue, expenditure and surplus of the Forest Department

PROVINCE.	1891-92.	1892-93.	1893-94.	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	1899-00.	1900-01.	1901-02.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Imperial*	6,688	5,240	2,680	4,980	2,690	41,000	19,130	17,540	6,090	2,463	3,484
Bengal†	7,89,553	7,44,880	8,01,610	7,95,670	9,18,710	13,70,850	11,89,280	9,72,310	11,38,910	12,33,339	12,92,237
United Provinces..	17,31,514	16,52,540	17,09,860	16,58,250	16,01,340	14,44,820	13,86,670	15,68,040	16,14,740	15,65,463	17,15,508
Punjab	10,20,074	8,12,630	9,13,300	10,32,430	10,14,500	11,07,720	10,68,470	14,74,430	14,00,770	13,50,842	14,47,558
Burma	41,85,414	56,60,000	57,85,100	54,30,780	56,95,830	63,78,950	72,15,260	83,50,890	78,12,050	80,54,444	58,73,938
Bihar and Orissa ..	..	..	..	..	..	..	..	..	..	..	..
Assam‡	3,36,129	3,82,830	4,88,500	4,35,090	4,25,030	4,36,440	3,84,820	3,98,180	5,68,100	5,49,521	5,12,963
Central Provinces ..	18,71,085	16,61,870	16,17,280	14,82,030	14,91,280	12,91,140	11,80,400	14,34,940	12,97,490	12,65,614	15,79,116
Coorg	1,82,897	1,80,680	1,73,790	1,53,050	1,35,250	93,000	1,30,910	1,55,070	1,62,410	1,37,596	1,70,242
North-West Frontier Province.	..	..	..	..	..	..	..	..	..	..	13,012
Ajmer	19,799	14,890	14,620	12,840	15,640	12,370	15,540	14,420	10,270	10,646	6,865
Baluchistan	20,609	19,030	20,730	16,300	14,930	15,460	15,040	14,920	17,030	16,956	14,712
Andamans	2,72,338	3,60,490	4,41,790	1,14,530	1,32,120	3,62,370	4,33,710	2,29,460	2,60,600	2,77,886	2,68,903
Imperial Forest College and Research Institute.	1,788	1,080	1,990	2,700	4,310	2,850	2,890	2,300	3,210	3,697	3,545
Forest Surveys (Imperial) ..	257	520	240	80	510	400	220	290	420	327	473
Total	1,04,38,145	1,14,97,580	1,10,71,490	1,11,44,920	1,14,52,140	1,25,20,470	1,30,42,340	1,46,32,850	1,42,92,120	1,44,68,794	1,29,00,556
Madras	16,91,216	15,77,210	19,47,180	18,94,030	21,10,570	23,03,330	21,36,490	21,10,520	23,02,290	23,40,170	25,43,430
Bombay	32,84,649	32,69,550	37,94,350	37,50,030	35,36,670	30,32,710	26,16,660	22,95,150	24,15,200	29,61,529	23,79,729
GRAND TOTAL	1,54,17,010	1,63,44,340	1,77,13,020	1,67,88,880	1,70,99,380	1,78,56,510	1,77,95,490	1,90,38,520	1,90,09,610	1,97,70,493	1,78,23,715
Imperial*	65,788	1,07,270	80,840	84,950	80,410	78,960	84,300	85,460	96,550	83,578	79,539
Bengal†	4,22,930	3,81,610	4,04,040	3,97,390	4,66,070	6,90,040	6,53,440	4,86,320	5,45,210	5,70,806	6,57,131
United Provinces..	9,58,211	9,28,540	9,63,020	9,36,310	9,42,860	9,06,340	9,17,850	9,72,030	9,42,380	9,63,439	10,08,730
Punjab	6,40,275	6,56,270	6,36,430	7,22,120	6,78,420	7,23,300	7,71,940	8,55,340	12,11,460	8,87,343	9,38,335
Burma	16,98,080	18,05,000	18,62,500	19,17,990	19,33,600	21,28,820	21,96,610	24,26,190	24,47,440	26,54,717	20,46,457
Bihar and Orissa ..	..	..	..	..	..	..	..	..	..	..	..
Assam‡	2,67,525	2,64,070	2,68,220	2,72,010	2,86,140	2,82,010	2,88,830	3,05,360	3,57,140	3,47,972	3,29,112
Central Provinces ..	10,02,281	10,80,630	11,86,440	12,27,700	11,97,850	11,92,860	11,65,490	11,09,400	12,75,820	11,65,866	12,00,904
Coorg	86,860	73,090	86,890	86,140	85,840	71,630	87,020	80,100	74,220	70,905	82,338
North-West Frontier Province.	..	..	..	..	..	..	..	..	..	..	19,510
Ajmer	13,986	15,000	15,900	14,900	15,730	22,010	14,670	16,300	15,350	16,782	15,927
Baluchistan	30,497	55,620	63,730	40,910	41,770	29,770	27,330	27,760	28,680	29,254	24,480
Andamans	1,79,909	2,31,210	2,44,550	1,22,780	1,02,020	3,16,600	2,47,340	1,38,400	1,40,940	1,40,137	2,04,667
Imperial Forest College and Research Institute.	44,347	50,400	65,980	67,950	67,380	60,920	63,370	63,370	73,550	71,238	76,290
Forest Surveys (Imperial) ..	26,882	22,160	27,900	29,840	29,950	31,970	33,950	33,970	33,980	33,991	33,730
Total	54,38,471	56,70,870	59,03,990	59,19,020	59,28,610	65,41,690	65,49,690	66,00,000	72,42,720	70,36,028	73,17,154
Madras	13,24,254	13,30,390	13,62,770	13,86,350	14,45,610	15,34,390	15,72,850	15,94,670	16,53,530	17,15,431	17,09,554
Bombay	19,31,457	19,04,970	20,71,940	20,67,920	19,58,390	19,69,160	20,73,190	18,39,250	21,28,430	24,08,581	17,19,680
GRAND TOTAL	86,94,182	89,06,230	93,40,700	93,73,260	93,32,610	1,00,45,150	1,01,95,730	1,00,33,920	1,10,24,680	1,11,60,040	1,07,46,388
Imperial*	-50,100	-1,02,030	-78,160	-79,970	-77,720	-74,860	-65,170	-67,920	-90,460	-81,115	-76,055
Bengal†	3,66,623	3,63,270	3,97,570	3,89,280	4,52,640	6,80,810	5,35,840	4,85,990	5,93,700	6,62,533	6,35,106
United Provinces..	7,73,303	7,24,000	7,46,840	7,21,940	6,58,480	5,38,480	4,68,820	5,96,090	6,72,360	6,02,024	7,06,769
Punjab	3,79,799	1,56,360	2,76,870	3,10,310	3,36,080	3,84,420	2,96,530	6,19,010	1,89,310	4,63,499	5,09,223
Burma	24,86,434	38,55,000	39,22,600	35,18,790	37,62,230	42,50,130	50,18,650	59,24,700	53,64,610	53,99,727	32,27,481
Bihar and Orissa ..	..	..	..	..	..	..	..	..	..	..	..
Assam‡	68,604	1,18,760	2,20,280	1,63,080	1,38,890	1,54,430	95,990	92,820	2,10,960	2,01,549	1,83,851
Central Provinces ..	8,68,804	5,81,240	4,30,840	2,54,330	2,93,420	93,280	14,910	3,25,540	21,670	99,748	3,78,212
Coorg	96,037	1,07,590	86,900	66,910	49,410	21,370	43,890	47,970	88,190	66,691	87,909
North-West Frontier Province.	..	..	..	..	..	..	..	..	..	..	-6,498
Ajmer	5,812	-110	-1,280	-2,060	-90	-9,640	870	-1,880	-5,080	-6,136	-9,062
Baluchistan	-9,884	-36,590	-43,000	-24,610	-26,840	-14,310	-12,290	-12,840	-11,620	-12,298	-9,768
Andamans	92,429	1,29,280	1,97,240	-8,250	-30,100	45,770	1,86,370	91,060	1,19,660	1,37,749	62,236
Imperial Forest College and Research Institute.	-42,550	-43,420	-63,540	-63,190	-63,640	-64,530	-58,030	-61,010	-70,340	-67,541	-72,745
Forest Surveys (Imperial) ..	-26,625	-21,640	-27,660	-29,760	-29,440	31,570	-33,730	-33,680	-33,664	-33,664	-33,257
Total	49,09,674	58,26,710	60,65,500	52,25,800	55,23,530	59,78,780	64,92,650	80,32,850	70,49,400	74,32,766	55,83,402
Madras	3,69,902	2,46,820	5,84,410	5,07,680	6,64,000	7,69,030	5,63,640	5,15,850	6,48,760	6,24,739	8,33,876
Bombay	13,53,192	13,64,580	17,22,410	16,82,110	15,78,280	16,63,550	5,43,470	4,54,900	2,86,770	5,52,948	6,60,040
GRAND TOTAL	67,22,828	74,38,110	83,72,320	74,15,590	77,66,770	78,11,360	75,99,760	90,04,600	79,84,930	86,10,453	70,77,827

* Includes pay of Inspector-General of Forests, Assistant Inspector-General of Forests, Office Establishment, and undistributable and petty local items and revenues and of
† Includes figures up to 1910-11 for districts subsequently transferred to Bihar and Orissa.
‡ Includes figures up to 1910-11 for Eastern Bengal districts subsequently transferred to Bengal.