

SUGGESTIONS

REGARDING

FOREST ADMINISTRATION

IN THE

NORTH-WESTERN PROVINCES AND OUDH,

BY

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INCLUDING A JOINT REPORT ON THE FORESTS OF THE SCHOOL CIRCLE,

BY

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WITH FOUR MAPS AND FOUR PLANS.

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APPENDIX I.

Statement of revenue and expenditure for the forest year 1921-22.

Receipts—	Head of account.								Amount.		
	RS.	A.	P.								
I (b)	199	13	5								
II (d)	121	4	9								
V (b)	38,978	4	8								
Total ..	39,299	6	10								

Expenditure—

A. Conservancy and works.											
A. VI. c.	6,345	5	3								
A. VII. a.	2,578	5	6								
A. VII. b.	12,015	6	8								
A. VII. c.	2,080	4	2								
A. VIII. e.	2,930	12	1								
A. VIII. g.	2,158	11	0								
A. IX. c.	2,380	4	9								
Total A ...	30,489	1	5								
B. Establishment.											
B. i. b.	33,460	13	3								
B. i. c.	35	7	9								
B. i. d.	12,955	2	8								
B. i. e.	21,665	1	5								
B. i. f.	6,908	7	5								
B. i. g.	6,147	15	3								
B. ii. b.	10,898	10	5								
B. ii. c.	8,184	1	8								
B. ii. d.	2,163	9	11								
B. iii. b. 2	14,847	14	9								
Total B ...	1,17,267	4	6								
Total A and B ...	1,47,756	5	11								

APPENDIX II.

Abstract showing the live-stock, stores, tools, etc., of the Madras Forest College, Coimbatore, for the year ending 31st March 1922.

Description of stock.	On hand at the commencement of the year.			On hand at the end of the year.			Difference in value in favour of the year.	Difference in value against the year.			
	Number.	Amount.		Number.	Amount.						
<i>Madras Forest College, Coimbatore district.</i>		RS.	A.	P.		RS.	A.	P.			
Survey and other instruments.	2,100	7,561	10	3	2,204	7,346	9	4			
Tools	763	1,351	15	8	776	1,310	7	0			
Furniture	1,637	23,230	14	1	1,617	23,187	8	8			
Tents	139	18,811	1	6	79	13,508	3	0			
Uniform and accoutrements ..	92	408	3	7	92	400	11	1			
Scientific apparatus	1,538	696	11	5	1,505	578	9	6			
Photographic apparatus	12	381	4	5	20	385	13	3			
Gymnasium	9	367	14	7	9	864	3	0			
Machinery (oil engine, etc.) ..	2	2,439	4	10	2	2,396	12	11			
Miscellaneous	1,555	3,668	4	2	1,571	3,702	4	2			
Total ..	7,847	58,917	4	6	7,875	53,181	1	11			
							38	8	10		
									5,774	11	5

APPENDIX III

List of Students, Madras Forest College, Coimbatore, 1921-23 division.

Serial number and name of student.	Circle or State to which attached.
1. V. Sundaresan	First Circle.
2. A. Suryarao Nayudu	Do.
3. N. Ayyanna	Second Circle.
4. P. K. Kuttappan Pillai	Third Circle.
5. S. Sankaran	Do.
6. T. Venkatasubbayya	Do.
7. J. S. Vedanyakam	Fourth Circle.
8. I. Z. Robert Paul	Do.
9. C. Thiruvengadam Pillai	Fifth Circle.
10. P. A. Venkataraman	Do.
11. P. Madhavan Nayar	Sixth Circle.
12. K. Shankaranarayana Rao	Do.
13. K. S. Timmayya	Coorg.
14. A. R. Samarawickrama	Ceylon.
15. W. D. C. Perera	Do.
16. P. T. Jayakodi	Do.
17. A. A. Arunachalam	Do.
18. S. Abeyawickrama	Do.
19. Biram Singh	Central Provinces.
20. Gurucharan Singh	Do.
21. Saiyid Hadi Husain	Do.
22. Pirithi Chand	Do.
23. Anil Kumer Basu	Bihar and Orissa.
24. Chakradhar Behera	Do.
25. Patras Kandir	Do.
26. Amos Demta	Do.
27. Brishavo Bar Panda	Do.
28. Muhammad Rahamatulla Khan	Hyderabad.
29. Do. Wazir Khan	Do.
30. Do. Taiyab Khan Nizami	Rewa.
31. Mumtaz Husain	Do.
32. Brajo Kishore Joshi	Patna.
33. K. Appukuttan Vellodi	Court of Wards.
34. Dorairaja Pillai	Private student.

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APPENDIX A.—Comparative statement of number and origin of fires that occurred during the calendar year 1921.

District.	C. Fires beginning inside the reserves or fire-traced areas.																									Total of A, B and C and causes unknown.
	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		Owing to carelessness or accident.								By intentional firing.						Total.		Causes unknown.					
					By workmen engaged in the forests or by purchasers of forest produce and by hay cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire balloons.		In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.									
					Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.					Number of fires.	Area burnt in acres.	Number of fires.		Area burnt in acres.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)		
<i>First Circle.</i>																										
Ganjam	1	25	27	14,571	1	1,200	34	16,665	..	..	..	..	13	8,118	37	69,629	5	1,240	90	91,852	27	6,088	145	(a) 112,636
Vizagapatam ..	1	3	27	348	4	348	21	2,345	..	..	..	..	12	846	2	30	..	..	39	8,569	2	35	44	3,634
Godavari, Upper..	1	300	26	36,269	1	450	8	15,902	..	..	..	..	..	..	14	25,898	1	150	24	42,400	16	23,988	67	102,957
Do. Lower..	..	..	..	..	..	..	54	5,497	..	..	..	..	..	..	..	..	..	..	54	5,497	..	..	54	5,497
Kistna .. ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	3	328	55	50,867	6	1,998	117	40,409	..	..	..	..	25	3,964	53	95,557	6	1,390	207	143,318	48	80,152	313	224,665
<i>Second Circle.</i>																										
Bellary .. ..	..	..	..	..	..	..	18	4,635	..	..	..	..	..	..	..	..	..	..	18	4,635	..	..	18	4,635
Anantapur ..	1	2	2	65	..	..	1	300	..	..	2	9	8	631	..	..	..	..	11	940	..	..	14	1,007
Guntur .. ..	..	..	..	..	..	..	4	96	..	..	..	..	..	..	..	..	..	..	4	96	..	..	4	96
Kurnool, East	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	200	..	..	1	200	2	88	3	238
Do. South ..	..	..	..	..	3	5,300	1	6	..	..	..	..	4	3,101	..	..	5	2,213	13	10,620	5	2,840	18	13,460
Do. West ..	..	..	..	..	..	..	3	190	..	..	..	..	..	..	..	..	..	..	3	190	..	..	3	190
Total ..	1	2	2	65	3	5,300	27	5,227	..	..	2	9	12	3,732	1	200	5	2,213	50	16,681	7	2,878	60	19,626
<i>Third Circle.</i>																										
Cuddapah, North.	1	1,685	11	1,404	2	88	7	102	..	..	..	..	21	8,667	..	..	1	5	31	8,662	27	19,608	70	(b) 31,559
Do. South.	2	4,005	6	4,176	..	..	11	3,348	..	..	..	..	64	29,667	..	..	5	3,844	80	36,859	4	4,291	92	(b) 49,331
Do. West.	1	20	4	519	3	130	..	..	..	..	..	..	20	4,246	2	125	60	13,452	85	17,953	14	2,099	104	20,591
Nellore .. ..	..	..	..	..	..	..	1	100	..	..	..	..	5	1,430	..	..	2	350	8	1,880	7	592	15	(b) 2,472
Chingleput ..	..	..	..	..	..	..	..	..	..	..	2	42	..	..	..	..	..	..	2	42	..	..	2	42
Chittoor	1	15	5	301	6	244	14	455	..	..	..	..	65	22,080	..	..	..	..	85	22,779	13	1,970	104	25,065
Vellore, North ..	14	316	..	..	..	..	5	1,805	2	1	..	..	..	..	..	..	18	909	25	2,715	28	2,057	67	5,083
Total ..	19	6,041	26	6,400	11	462	38	5,810	2	1	2	42	175	66,090	2	125	86	18,560	316	91,090	93	80,617	454	134,143		

(a) Includes areas burnt in unprotected tracts.

(b) Do. do. forest tracts—

	Acres.
North Cuddapah	355
South Cuddapah	3,683
Nellore	4
Total ..	4,042

Appendix A.—Comparative statement of number and origin of fires that occurred during the calendar year 1921—cont.

District.	O. Fires beginning inside the reserves or fire-traced areas.																				Causes unknown.	Total of A, B and C and causes unknown.		
	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		Owing to carelessness or accident.								By intentional firing.				Total.							
					By workmen engaged in the forests or by purchasers of forest produce and by hay cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire balloons.		In order to obtain new grass.		In order to turn out game or to reduce cover.				Maliciously fired.					
					Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.			Number of fires.	Area burnt in acres.				Number of fires.	Area burnt in acres.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
<i>Fourth Circle.</i>																								
Yellore, South ..	..	..	1	48	1	14	2	6	..	..	..	..	12	741	..	..	22	696	37	1,457	1	10	39	1,515
Do. West ..	..	..	..	..	1	50	8	81	..	..	..	..	6	380	5	424	2	114	17	949	11	389	28	1,338
Salem, East ..	..	..	2	3	..	..	3	1	..	..	..	..	5	95	..	..	2	290	10	886	14	577	26	966
Do. North ..	5	2,362	..	..	..	..	9	590	..	..	..	..	14	3,465	9	3,050	..	..	32	7,105	20	9,823	57	19,090
Do. Central ..	..	..	..	..	3	62	4	95	..	..	..	..	16	369	..	..	4	208	27	734	20	625	47	1,359
Do. South ..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	26	672	26	672
Total ..	5	2,362	3	51	5	126	21	773	..	..	..	..	53	4,950	14	3,474	30	1,308	123	10,631	92	11,896	233	24,940
<i>Fifth Circle.</i>																								
Kollegal ..	2	80	..	..	3	460	3	120	..	..	..	..	9	2,314	1	400	2	98	18	3,392	6	852	26	4,354
Coimbatore, North ..	4	135	4	1,108	2	225	4	217	..	..	..	..	..	..	..	..	..	..	6	442	37	12,100	51	13,780
Do. South ..	..	..	4	610	5	292	2	1,060	..	..	..	..	1	5	..	..	..	..	8	1,357	4	490	16	2,457
Madura ..	6	1,806	35	4,230	1	7	4	207	..	..	..	..	41	6,262	1	20	20	858	67	7,352	60	2,895	168	16,283
Winnelvely ..	2	61	6	1,226	7	1,228	4	53	..	..	5	1,337	4	1,020	15	5,711	2	102	37	9,521	9	643	54	11,451
Total ..	14	2,082	49	7,169	18	2,282	17	1,657	..	..	5	1,337	55	9,601	17	6,131	24	1,056	136	22,064	116	17,010	315	43,325
<i>South Circle.</i>																								
Mangalore, North ..	4	280	14	136	1	15	13	197	..	..	..	..	..	..	13	593	..	..	32	805	4	9	59	1,230
Do. South ..	1	1	20	211	4	32	10	179	..	..	..	..	8	211	4	216	5	488	31	1,119	18	679	70	2,010
Wynad ..	1	15	3	205	..	..	1	25	..	..	..	..	1	100	..	..	..	..	2	125	..	..	6	345
Nilambur ..	..	..	1	770	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	170
The Nilgiris ..	4	593	3	744	1	6	10	287	2	5	..	..	19	2,840	3	800	2	5	37	3,943	1	2,752	52	8,033
Palghat ..	2	45	4	43	..	..	2	101	..	..	..	..	..	..	..	..	3	1,416	5	1,517	3	18	14	1,623
Total ..	12	934	50	1,510	6	53	36	782	2	5	..	..	28	3,151	25	1,609	10	1,909	107	7,509	33	3,458	202	13,411
Grand total for 1921-22.	54	11,749	185	66,062	49	10,221	256	54,658	4	6	9	1,388	348	91,488	112	107,096	161	24,435	939	291,293	389	96,011	1,567	465,115
Grand total for 1920-21.	51	7,210	183	143,113	38	8,933	178	18,459	22	3,443	4	52	226	59,595	89	96,752	100	14,106	657	201,840	470	125,304	1,351	477,966

FOREST DEPARTMENT

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APPENDIX B.—Comparative statement of impounded cattle during 1921-22.

District.	Number of cattle impounded.		Average for three years ending 1920-21.
	1920-21.	1921-22.	
<i>First Circle.</i>			
Ganjam	890	706	1,442
Vizagapatam	1,037	970	839
Godavari, Upper .. .. .	..	1,058	522
Do. Lower	284	942	417
Kistna	3,676	3,718	3,576
Total ..	5,887	7,394	6,796
<i>Second Circle.</i>			
Bellary	5,498	7,462	6,824
Anantapur	5,954	12,792	8,784
Guntur	17,788	13,136	20,464
Karnool, East	5,415	3,904	5,736
Do. South	10,888	5,748	6,013
Do. West	6,933	11,201	7,342
Total ..	52,476	54,243	55,163
<i>Third Circle.</i>			
Cuddapah, North	1,570	2,752	2,130
Do. South	1,635	1,033	1,585
Do. West	6,953	6,064	7,155
Nellore	7,855	10,177	9,698
Chingleput	3,540	2,357	3,597
Chittoor	9,909	7,401	10,483
Vellore, North	6,993	7,021	6,937
Total ..	38,455	36,805	40,485
<i>Fourth Circle.</i>			
Vellore, South	6,443	6,841	6,212
Do. West	2,563	3,123	3,097
Salem, East	4,996	3,800	4,893
Do. North	433	867	878
Do. Central	2,715	2,616	2,712
Do. South	3,892	2,895	6,707
Total ..	21,042	25,142	25,199
<i>Fifth Circle.</i>			
Kollegal	2,438	4,539	3,069
Coimbatore, North	2,556	3,947	3,604
Do. South	300	732	442
Madura	3,811	4,876	4,707
Tinnevely	1,717	3,037	2,323
Total ..	10,822	17,131	14,145
<i>Sixth Circle.</i>			
Mangalore, North	342	330	363
Do. South	587	281	435
Wynaad	15	86	55
Nilambur .. .. .	..	..	243
The Nilgiris	330	1,009	354
Palghat	(a) 915	(a) 465	(a) (b) 1,283
Total ..	2,189	2,171	2,783
Grand total, Presidency ..	130,871	142,886	144,571

(a) Excludes Mettupalayam range.
 (b) The average is only for two years 1919-20 and 1920-21.

ANNUAL FORM No. 65.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1921-22

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Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands in square miles.
	Area on 1st April 1921.		Added during the year.	Excluded during the year.	Area on 31st March 1922.		Area on 1st April 1921.		Added during the year.	Excluded during the year.	Area on 31st March 1922.		
	Acres	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
<i>First Circle.</i>													
Ganjam	400,235	626	..	(a) 238	399,997	625	67	..	45	..	112	..	625
Vizagapatam	196,921	308	..	(a) 34	196,957	308	{ (g) 1,313 (d) 14 }	2	..	..	{ (g) 1,313 (d) 14 }	2	310
Godavari, Upper	374,435	585	..	..	374,435	585	157,833	247	..	..	1,57,833	247	832
Do. Lower	255,409	399	48,122	..	303,531	474	53,088	87	..	(b) 48,122	7,966	12	486
Kistna	169,196	264	..	..	169,196	264	(d) 381	1	..	..	(d) 381	1	265
Total	1,396,266	2,182	48,122	272	1,444,116	2,256	215,696	237	45	48,122	167,619	262	2,518
<i>Second Circle.</i>													
Bellary	865,766	572	46	(a) 2,658	863,154	567	1,899	3	..	(b) 46	1,853	3	570
Anantapur	477,770	747	..	(g) 17	477,753	747	..	..	..	..	..	..	747
Guntur	511,667	789	3	(a) 6,631	504,939	789	..	3	..	38	(b) 3	38	789
Kurnool, East	620,784	970	..	..	620,784	970	..	..	..	..	..	..	970
Do. South	486,864	760	..	(a) 257	486,407	760	..	..	..	..	..	..	760
Do. West	547,867	855	..	(a) 37	547,330	855	..	..	..	..	..	..	855
Total	3,009,918	4,703	49	9,600	3,000,357	4,688	1,902	3	38	49	1,891	3	4,691
<i>Third Circle.</i>													
Cuddapah, North	381,229	596	253	..	381,492	596	324	1	(k) 13	{ (d) 263 4 }	70	..	596
Do. South	295,554	452	..	..	295,554	452	60	..	..	..	60	..	452
Do. West	480,778	751	{ (e) 508 15 }	(a) 83	481,218	752	508	1	..	..	508	..	752
Nellore	459,461	718	..	{ (a) 52 (i) 2 }	459,407	718	6,785	11	..	(m) 10	6,775	11	729
Chingleput	130,076	203	..	(a) 149	129,927	203	..	..	..	..	..	..	203
Chittoor	528,313	825	15	(a) 441	527,887	824	15	..	40	..	40	..	824
Vellore, North	293,287	458	..	{ (a) 3,398 (i) 1 }	289,888	458	..	..	70	..	70	..	458
Total	2,568,698	4,013	801	4,196	2,565,373	4,008	7,692	13	123	800	7,015	11	4,019

ANNUAL REPORT OF THE

(a) Disafforested.
 (b) Transferred to reserved forests.
 (c) Leased forests.
 (d) Notified under section 26 of the Forest Act.
 (e) Rectification of area.
 (g) Reduction due to revision of boundary.
 (i) Correction of errors.
 (k) Error in previous year's opening balance corrected.
 (l) Shortage due to measurement as per settlement.
 (m) Given up as the cost of acquisition was prohibitive.

Area of reserved forests and reserved lands during 1921-22—cont.

Districts.	Area of reserved forests.						Area of reserved lands.						Total area of reserved forests and reserved lands in square miles.	
	Area on 1st April 1921.		Added during the year.	Excluded during the year.	Area on 31st March 1922.		Area on 1st April 1921.		Added during the year.	Excluded during the year.	Area on 31st March 1922.			
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
<i>Fourth Circle.</i>														
Vellore, South	308,172	481	(b) 354	(a) 50	308,476	482	358	1	(c) 65	(d) 354	69	..	482	
Do. West	244,858	383	..	..	244,858	383	42	..	..	..	42	..	383
Balem, East	867,778	575	..	(a) 9,209	858,569	560	7,485	12	..	..	7,485	12	573
Do. North	333,778	521	..	..	333,775	521	18	..	..	..	18	..	521
Do. Central	263,724	412	..	..	263,724	412	7,884	12	..	..	7,884	12	424
Do. South	(e) 216,897	339	(b) 4,480	(a) 1,394	219,983	344	12,081	19	(c) 13,321	(d) 4,480	20,822	33	377	
Total ..	1,785,204	2,711	4,834	10,653	1,729,385	2,702	27,868	44	13,286	4,834	36,320	57	2,759	
<i>Fifth Circle.</i>														
Kollegal	467,708	731	(f) 132,509	..	600,212	938	..	..	..	..	..	..	938
Coimbatore, North ..	{ (e) + 795 } 586,670	917	(h) 112,492	(f) 132,509	567,448	836	..	..	..	..	..	..	836
Do. South	290,388	454	..	..	290,388	454	..	..	..	..	..	..	454
Madura	422,349	660	..	..	422,349	660	..	..	..	..	..	..	660
Finnevelly	271,874	425	..	(a) 12	271,872	425	1,302	2	..	(d) 10	1,292	2	427	
Total ..	2,039,779	3,187	245,011	132,521	2,152,269	3,363	1,302	2	..	10	1,292	2	3,365	
<i>Sixth Circle.</i>														
Mangalore, North ..	229,976	360	..	(v) ..	229,976	360	..	..	..	..	..	..	360
Do. South	280,891	439	..	..	280,891	439	..	..	..	..	..	..	439
Wynaad	168,424	263	..	..	168,424	263	..	22	..	..	22	..	263
Nilambur	92,231	144	(f) 78	(k) 23,334	68,975	108	12,854	20	..	..	12,854	20	128
The Nilgiris	263,818	412	..	(a) 10	263,808	412	{ (m) 2,851 } 49,727	78	3,000	17	130	{ 52,597 } 2,868	82 } 4	498
Palghat	263,784	412	23,334	{ (a) 5,775 } { (j) 112,409 }	168,934	264	..	..	..	..	..	..	264
Total ..	1,299,124	2,030	25,412	141,528	1,181,008	1,846	65,454	102	3,017	130	68,341	106	1,952	
Grand total, Presidency ..	12,048,989	18,826	322,229	298,700	12,072,518	18,863	319,914	501	16,510	53,945	282,479	441	19,304	

FOREST DEPARTMENT

(a) Disafforested.
 (b) Notified under section 16.
 (c) Do. do.
 (d) Transferred to reserved forests.
 (e) Correct figure.
 (f) Area of Burgur range transferred from North Coimbatore to Kollegal.

(h) Area of Mettupalayam range transferred from Central Coimbatore.
 (i) The correct area of reserves in Burgur range is reported to be 132,509 and not 131,714 acres.
 (j) As per correct calculation.
 (k) Transferred to Palghat.
 (l) Transferred to North Coimbatore.
 (m) Toda patta lands.

ANNUAL REPORT OF THE

Appendix to Form No. 65.

Details of classification of forests in the several districts for 1921-22.

District.	Area of reserved forests.	Details of classification in square miles.						
		I	II	I and II.	III	IV	V	VI
<i>First Circle.</i>								
Ganjam	625	348	230	..	(a) ..	7	..	..
Vizagapatam	308	211	72	..	(a) ..	7	18	..
Godavari, Upper	585	217	368	..	..	..	..	..
Do. Lower	474	84	(b) 256	..	..	(b) 134	(b) ..	..
Kistna	264	22	86	..	(a) ..	8	153	..
Total	2,266	922	1,013	..	(a) ..	161	171	..
<i>Second Circle.</i>								
Bellary	567	36	256	..	18	128	134	..
Anantapur	747	..	306	..	..	388	53	..
Guntur	789	..	..	..	5	690	94	0-32
Kurnool, East	970	178	186	249	..	231	126	..
Do. South	760	282	287	..	..	190	2	..
Do. West	855	488	298	..	..	64	6	..
Total	4,688	982	1,333	249	18	1,691	415	0-32
<i>Third Circle.</i>								
Cuddapah, North	596	568	..	..	3	25	..	..
Do. South	482	431	2	..	..	29	..	..
Do. West	752	270	226	..	1	212	42	..
Nellore	718	172	164	..	4	326	52	..
Chingleput	203	..	40	..	..	148	17	..
Chittoor	824	266	831	..	1	17	209	..
Vellore, North	453	67	319	..	4	7	55	..
Total	4,008	1,774	1,082	..	15	762	376	..
<i>Fourth Circle.</i>								
Vellore, South	482	31	(a) 392	..	..	4	(a) and (c) 53	..
Do. West	383	23	342	..	..	..	7	..
Salem, East	560	316	(c) 133	..	..	50	61	..
Do. North	521	..	419	..	..	102	..	..
Do. Central	412	86	214	..	1	90	(c) 21	..
Do. South	344	(d) 210	55	..	..	..	74	(c) ..
Total	2,702	666	1,555	..	1	246	216	1
<i>Fifth Circle.</i>								
Kollegal	938	748	143	..	..	43	4	..
Coimbatore, North	886	669	171	..	..	46	..	..
Do. South	454	(a) 375	62	..	..	12	5	..
Madara	600	..	(b) 398	..	..	..	(b) 15	..
Tinnevely	425	196	197	..	..	14	(c) 9	(c) ..
Total	3,363	2,235	971	..	..	115	83	..
<i>Sixth Circle.</i>								
Mangalore, North	360	276	85	..	1	48	..	..
Do. South	439	254	67	..	..	118	..	..
Wynaad	263	226	37	..	..	..	..	..
Nilambur	108	100	8	..	..	..	..	..
The Nilgiris	(a) 412	337	57	..	4	12	..	..
Palghat	(b) 264	141	82	..	..	24	7	..
Total	1,846	1,144	286	..	5	202	7	..
Grand Total, Presidency	18,863	7,918	6,239	249	37	3,167	1,218	1

Note for First Circle. (a) Less than half a square mile.
 (b) The figures furnished last year have been corrected. 100 square miles, consisting of Coringa extension and Kandikuppa, have been shown under II although they are classed under "II and IV."

Note for Fourth Circle. (a) Three square miles of class V was wrongly added to class II last year.
 (c) Two square miles disafforested during the year.
 (d) Seven square miles of reserved lands notified under section 16 adjoining class I reserves added to class I.
 (e) In rounding off.
 * Revised figures owing to transfer of Burgur range from North Coimbatore to Kollegal and Mettupalayam range from Central to North Coimbatore.

Note for Fifth Circle. (a) Includes 27 square miles of leased forests (Ikkadi forests).
 (b) Revised figures due to the transfer of about one square mile from class II to V.
 (c) Do. do. three square miles from class VI to V.

Note for Sixth Circle. (a) Two square miles of forests in scattered bits not classified.
 (b) Three reserves with an area of 10 square miles have not yet been classified.

FOREST DEPARTMENT

ANNUAL FORM No. 66.

Forest Department, Madras Presidency.

Progress made in forest settlements during the year 1921-22.

Forest district.	Name of forest.	Area in square miles			Cost during the year.		Entire cost per square mile of areas finally settled.	Government notification of settlement.	
		Finally settled during the year.	In hand at commencement of the year.	Taken in hand during the year.	In forest accounts	In other accounts.		Number.	Date.
<i>First Circle.</i>									
Ganjam	Chendragiri extension (Ktintukuppa but A/2).	sq. mls. ..	sq. mls. 0.105	sq. mls. ..	rs. ..	..	..	..	..
	Addition to Dowgam Reserve.	..	..	0.071	1,040	..	..	..	..
Godavari, Upper.	Nugur ..	..	246 610	..	..	..	..	..	..
Godavari, Lower.	Coringa extension ..	75.192	..	..	..	..	..	36	5th Feb. 1921.
	Birampalli ..	..	2.804	..	..	..	..	..	..
	Vemulakonda ..	..	5.244	..	..	..	..	..	..
	Palam ..	..	2.083	..	..	..	..	..	..
	Nurupudi ..	..	2.315	..	..	..	..	..	..
	Total ..	75.192	259.161	0.071	1,040	..	..	..	..
<i>Second Circle.</i>									
Bellary	Daraji Foreshore ..	..	2.89	..	..	..	..	..	..
	Addition of enclosures in Jangikalutta, Jittinakatta and Sogi R.F.	0.072	0.072	..	..	..	..	G.O. 113	25th Jan. 1922. (Chief Conservator's Proceedings No. 34 M.S., dated 2nd Feb. 1922.)
Guntur	Enclosures to Nizampatnam R.F.	0.0045	0.0045	..	..	..	..	G.O. Mis 1972	20th Oct. 1921. (Chief Conservator's Proceedings No. 469 M.S., dated 24th Oct. 1921.)
	Muttukur extension 4 ..	..	..	0.06	..	..	..	G.O. Mis 272	21st Feb. 1922. (Chief Conservator's Proceedings No. 92 M.S., dated 28th Feb. 1922.)
	Total ..	0.0765	2.9665 or 3 square miles.	0.06	..	..	..	..	..
<i>Third Circle.</i>									
Cuddapah, North.	Dasaripalli ..	0.16	..	..	..	..	..	99	13th May 1921.
	Kalaspada extension ..	0.027	..	..	..	..	..	147	4th July 1921.
	Dasaripalli extension ..	0.20	0.10	..	..	..	..	147	Do.
	Lankamalai extension ..	0.02	..	..	..	..	..	99	13th May 1921.
Cuddapah, South.	Lankamalai ..	0.002	..	..	..	..	..	251	Do.
	Kodiyengammabavi R.F. ..	..	0.547	..	..	..	..	..	13th Oct. 1921.
	Seshaiahallam Rollamadugu R.F. ..	..	0.038	..	..	..	..	..	..
	Fields of Hasanapuram village within Palakonda R.F.	0.349	..	..	..	..	..	9	12th Feb. 1921.
Cuddapah, West.	Fields of Vangimalla within Palakonda extension C.	0.209	..	..	..	..	..	9	Do.
	Fields of Hasanapuram village within Palakonda extension C.	0.065	..	..	..	..	..	9	Do.
	Fields of Gopagudipalli village within Idupulapaya R.F.	0.012	..	..	..	..	..	9	Do.
	Fields of Guvalcheruva village within Idupulapaya R.F.	0.007	..	..	..	..	..	9	Do.
	Fields of Chilakampalli village within Idupulapaya R.F.	0.006	..	..	..	..	..	9	Do.
	Fields of Chenobuvaripenta village within Idupulapaya R.F.	0.014	..	..	..	..	..	9	Do.
	Fields of Brahmana Erragudipalli within Idupulapaya R.F.	0.031	..	..	..	..	..	9	Do.
	Do. do.	0.062	..	..	..	..	..	9	Do.
	Fields in Chintarajupalli in Vontimitta extension R.F.	0.045	..	..	..	..	..	191	11th Aug. 1921.
	Addition to Tummalapenta, West.	..	(a) 0.016	..	..	..	..	..	..
Nellore	Bapur Veligandla A-1 extension.	..	10.586	..	736	..	..	..	..

(a) Given up.

Progress made in forest settlements during the year 1921-22—cont.

Forest district.	Name of forest.	Area in square miles.			Cost during the year.		Entire cost per square mile of areas finally settled.	Government notification of settlement.	
		Finally settled during the year.	In hand at commencement of the year.	Taken in hand during the year.	In forest accounts.	In other accounts.		Number.	Date.
<i>Third Circle—cont.</i>									
Chittoor	Addition to Santhapet extension A.	0-005	..	..	..	..	..	66	4th April 1921.
	Palmaner reserve extension ..	0-012	..	..	250	..	..	49	7th Feb. 1922.
	Peddanaidrug reserve extension.	0-006	..	..	44	..	..	54	Do.
	Extension to Musalmadugu extension.	..	..	0-003	..	..	..	248	11th Oct. 1921.
	Addition to Peddur extension reserve.	..	..	0-003	..	..	..	230	20th Sep. 1921.
	Extension to Melmoyi R.F. ..	..	..	0-04	..	..	..	241	4th Oct. 1921.
	Addition to Toriganda reserve.	..	..	0-02	..	..	..	283	7th Nov. 1921.
Vellore, North.	Addition to Musalimadugu extension.	..	..	0 001	..	..	..	268	25th Oct. 1921.
	Block No. 72, Arasampattu ..	..	..	0 01	..	..	..	205	17th Aug. 1921.
	Block No. 94, Karapattu ..	..	..	0-10	..	..	..	816	7th Dec. 1921.
	Total ..	1-232	11-286	0-177	1,030	..	..	..	..
<i>Fourth Circle.</i>									
Vellore, South.	Malayalam	0-40	..	..	..	..	..	51	31st Mar. 1921.
	Santavasal	0-15	..	..	..	..	..	51	Do.
	Erayurmalai .. ..	..	0-0072	..	..	..	..	..	Chief Conservator's No. 439, dated 27th Aug. 1920.
Vellore, West.	Kavutbimalai	0 0072	..	..	..	..	..	265	25th Oct. 1921.
	Mulakad .. ..	..	..	0-0405	..	..	..	91	14th Mar. 1922.
	Nattampalli .. ..	..	..	0-0092	..	..	..	124	6th June 1921.
Salem, East.	Pennagolathur Swamimalai ..	..	..	0-0524	..	..	..	..	..
	Varatanapalli extension ..	..	0-07	..	..	..	..	..	..
	Arana and Tirthagiri .. ..	..	5-92	..	..	..	..	..	..
Salem, North.	Pallipatti extension .. ..	..	5-77	..	..	..	..	..	..
	Pennagaram extension .. ..	..	0-0280	..	..	..	..	..	..
Salem, Central.	Jarugumalai .. ..	..	11-94	..	..	..	..	..	..
	Kanjeri extension .. ..	..	0-38	..	..	..	..	..	..
	Methalamalai	0-01	0-01	..	..	..	..	8	15th Feb. 1921.
	Vedambium	4-85	4-85	..	..	..	..	47	25th Jan. 1922.
	Vanjarai	0-51	0-51	..	..	..	..	211	30th Aug. 1921.
	Perisholai	1-31	1 31	..	..	..	..	168	29th June 1921.
	Vengamudi	0 33	0 33	..	..	..	..	54	5th April 1921.
	Veppadi .. ..	..	5-38	..	..	..	..	305	28th July 1919.
Salem, South.	Atturmanmalai .. ..	..	6-49	..	..	..	..	76	No. 1426, Rev. (Spl.), dated 28th July 1919.
	..	..	..	..	..	..	..	..	17th Feb. 1920.
	Shemmalai additions .. ..	..	..	0 03	..	..	..	115	No. 348, Rev. (Spl.), dated 17th Feb. 1920.
	Pathur .. ..	..	..	20-63	174	..	..	136	1st July 1921.
	Total ..	7-5672	42-9957	20-7621	174	..	..	..	24th June 1921.
<i>Fifth Circle.</i>									
Tinnevely.	Karumandiamman Shola estate	..	0-15	..	1,309	..	..	..	..
	Mahendragiri estates	0-01	0-01	..	..	..	..	163	6th July 1921.
	Mulakadu block .. ..	..	1-48	..	..	..	..	..	..
	Hare Island for Tuticorin harbour.	..	0-22	..	..	..	..	..	..
	Punayadi Island for Tuticorin harbour.	..	0-16	..	..	..	..	..	..
	Total ..	0-01	2 02	..	1,309	..	..	..	..
<i>Sixth Circle.</i>									
The Nilgiris.	Mudumalai .. ..	..	74-69	..	..	..	..	..	..
	Addition to Kalhatti .. ..	..	0-17	..	..	..	..	..	..
	Do. to Wenlock downs.	..	(a) 0-20	..	..	..	..	..	..
	Do. to Nedugula .. ..	..	0 06	..	..	..	..	..	..
	Do. to Nadukaduhalla. ..	..	0 27	..	..	..	..	..	..
	Do. to Attukkadu Shola. ..	..	0 06	..	..	..	..	..	..
	Do. to Doddakavu .. ..	..	0 08	..	..	..	..	..	..
	Do. to No. III to Kodanad Valley Shola.	..	0-13	..	..	..	..	..	..
Addition No. II to Madanad.	..	0-16	..	..	..	..	..	..
Do. to Sigur .. ..	..	..	4-69	..	..	..	..	..
	Total ..	..	75 64	4-69	..	..	..	..	..
	Grand total, Presidency ..	84	324	25	3,553	..	..	..	..

* Correct area after settlement.

(a) Excluded at settlement.

FOREST DEPARTMENT

ANNUAL FORM No. 67.

Forest Department, Madras Presidency.

Record of demarcation and maintenance of boundaries during 1921-22.

District.	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 still to be 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.
<i>First Circle.</i>									
	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjam	9	(a) 1,868 (b) 2	..	1,375	..	80	1,455	208	..
Visagapatam .. ..	..	(a) 564	..	564	..	19	583	..	..
Godavari, Upper .. ..	..	(b) 484	..	484	..	161	635	..	(e) 1,298
Do. Lower	15	(a) 723	..	738	..	71	809	..	(e) 122
Kistna .. ..	..	18 (a) 426	106	547	..	40	587	..	197 (e) 15
Total	24	16 (b) 484 (a) 3,079	106	3,708	..	361	4,069	208	197 (e) 1,435
<i>Second Circle.</i>									
Bellary	62	(a) 1,433 (b) 59	..	(b) 1,495	..	..	1,495	2,999	61
Anantapur .. ..	..	(a) 1,728	..	1,787	..	34	1,821	..	482
Guntur	14	..	1,245	(b) 1,259	..	..	1,259	231	..
Kurnool, East .. ..	..	(a) 520 (b) 45 (c) 6	40	611	1	48	660	..	46
Do. South .. ..	..	(a) 5 (b) 599 (c) 70	28	632	..	5	637	..	20
Do. West	(a) 14 chains or 1/2 mile.	(a) 656	190	916	..	100	1,016	..	281 (f) 228
Total	76	5,121	1,503	6,700	1	187	6,888	3,230	890 (f) 228
<i>Third Circle.</i>									
Cuddapah, North .. ..	..	(a) 188	372	560	..	13	573	..	..
Do. South .. ..	..	(a) 287	39	326	..	40	366	..	..
Do. West .. ..	..	(a) 383	1,016	1,399	..	22	1,421	5	9
Nellore .. ..	..	(a) 1,637	321	1,958	4	84	2,046	..	1,699
Chingleput .. ..	..	(a) 30 824	..	854	..	..	854	..	1,412
Chittoor .. ..	..	(a) 65 1,239	142	1,446	..	60	1,506	69	2,074
Vellore, North .. ..	..	(a) 23 1,046 (b) 21	..	1,048	..	11	1,059	..	67
Total .. ..	..	5,701	1,890	7,591	4	230	7,825	74	5,265

Note for First Circle.

- (a) Cleared by subordinates free of cost.
- (b) Cleared by hill tribes for fire protection, the cost being debited to VIII (f).
- (c) Cost of works other than boundaries of forests finally notified.
- (d) Deduction on account of disafforestation.

Note for Second Circle.

- (a) Omitted in column 5 as it is less than half mile.
- (b) The variation between column 8 of last years return and column 5 of this year's is due to the disafforestation of 20 miles of forest boundary in Bellary district and 50 miles in Guntur district.
- (c) Cleared by subordinates free of cost.
- (d) Cleared by panchayatdars.
- (e) Length of line repaired at Government cost.
- (f) Represents the cost of coupe demarcation.

Note for Third Circle.

- (a) Cleared by subordinates free of cost.
- (b) Deduction owing to disafforestation.

Record of demarcation and maintenance of boundaries during 1921-22—cont.

District.	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 still to be 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.
<i>Fourth Circle.</i>									
	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Vellore, South ..	..	915	..	915	..	15	930	..	86
Do. West ..	..	585	44	629	..	13	642	(c) 144	..
Salem, East ..	..	1,221	..	1,167	..	5	1,172	..	892
Do. North ..	..	(a) — 54	..	..	..	116	600	..	(d) — 38
Do. Central ..	..	428	56	484	..	15	699	..	(d) + 47
Do. South ..	..	(b) + 285	(b) — 329	(b) 684	..	..	699	21	143
Do. South ..	3	917	67	987	67	..	1,054	32	(d) + 250
Total ..	3	4,871 (b) + 231	(b) 590 — 329	4,866	67	164	5,097	197	1,427
<i>Fifth Circle.</i>									
Kollegal ..	13	(a) 7	..	296	147	162	595	573	196
Coimbatore, North ..	..	(a) 276	..	582	170	106	858	..	19
Do. South ..	..	(a) 510	72	228	..	72	300	..	381
Madura ..	39	(a) 107	118	1,324	242	171	1,737	2,098	147
Tinnevely ..	..	(b) 3	158	448	..	34	482	..	228
Total ..	52	(a) 7 (b) 2,289 3	527	2,878	559	535	3,972	3,271	971
<i>Sixth Circle.</i>									
Mangalore, North ..	..	..	1,228	1,228	..	103	1,331	..	..
Do. South ..	..	..	1,135	1,135	46	101	1,282	..	..
Wynaad ..	7	45	1,116	1,168	40	86	1,244	231	360
Nilambur ..	..	67	28	95	20	55	(a) 170	..	313
The Nilgiris ..	..	(d) 226	1,285	1,511	..	299	1,810	..	459
Palghat ..	..	52	250	302	16	39	(b) 357	(c) 13	..
Total ..	7	390	5,042	5,439	122	633	6,194	244	1,132
Grand total, Presidency.	162	21,692	9,328	31,182	753	2,110	34,045	7,224	11,535

- Note for Fourth Circle.*
- (a) Fifty-four miles disafforested during the year.
 - (b) Correct figures furnished by the District Forest Officer.
 - (c) Cost of delimitation work in the Tirupattur Javadis.
 - (d) Added or subtracted to tally with Accountant-General's audited figures.
- Note for Fifth Circle.*
- * Revised figures owing to transfer of Burgur range to Kollegal and Mettupalaiyam range to North Coimbatore
 - † Revised figures furnished by the District Forest Officer.
 - (a) Cleared by subordinates free of cost.
 - (b) Cleared for fire protection, the cost being debited to A-VIII (f).
- Note for Sixth Circle.*
- (a) Decrease due to transfer of Mannarghat range to Palghat division.
 - (b) Difference due to addition of Mannarghat range and transfer of Mettupalaiyam range to North Coimbatore.
 - (c) Cost of demarcation of Pundi temple.
 - (d) One hundred and seventy-eight miles cleared by subordinates free of cost.
 - * Usual line clearing was done by subordinates free of cost.

FOREST DEPARTMENT
ANNUAL FORM No. 69.
Forest Department, Madras Presidency.
Progress made in working-plans during 1921-22.

District.	Areas for which working-plans have been completed and approved by the Chief Conservator.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Areas for which working-plans are not at present required.	Total forest area as per Form No. 65.			
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.						
<i>Reserved forests.</i>										
<i>First Circle.</i>	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.			
Ganjām	625	..	..	..	..	..	625
Vizagapatam ..	184	..	..	..	104	18	308
Godāvari, Upper ..	165	..	..	..	420	..	585
Do. Lower ..	292	..	..	..	182	..	474
Kistna	240	..	..	..	..	24	264
Total ..	1,508	..	..	..	706	42	2,256
<i>Reserved lands.</i>										
Vizagapatam ..	..	..	..	..	..	2	2
Godāvari, Upper ..	..	..	..	..	..	247	247
Do. Lower ..	..	..	..	..	12	..	12
Kistna .. ..	..	..	..	..	..	1	1
Total ..	..	..	..	..	12	250	262
<i>Reserved forests.</i>										
<i>Second Circle.</i>										
Bellary	(a) 50	..	88	..	290	(b) 189	(b) 567			
Anantapur ..	400	49	..	..	(a) 298	..	747	
Guntūr	22	..	235	..	529	3	(b) 789			
Kurnool, East ..	147	..	178	..	614	33	970			
Do. South ..	679	..	81	..	..	..	760
Do. West ..	458	..	..	..	..	897	855
Total ..	1,756	49	580	?	1,731	572	4,688			
<i>Reserved lands.</i>										
Bellary .. ..	..	..	2	..	..	1	3
<i>Reserved forests and lands.</i>										
<i>Third Circle.</i>										
Cuddapah, North ..	{ (a) 46 } - 6	..	17	..	533	6	596			
Do. South ..	96	..	..	..	..	366	462
Do. West ..	35	..	65	2	..	650	752			
Nellore	95	..	112	..	882	129	718			
Chingleput ..	184	..	..	..	..	19	203
Chittoor	33	..	264	..	527	..	824			
Vellore, North ..	{ (a) 410 } - 6	..	2	..	..	47	453	
Total ..	887	..	460	2	1,442	1,217	4,008			
<i>Reserved forests.</i>										
<i>Fourth Circle.</i>	Regular working-plans.	Schemes.	Revised or new working-plans.	Revised or new schemes.	Existing working-plans.	New working-plans or schemes.	Existing working-plans.	New working-plans or schemes.		
Vellore, South ..	415	(a) 213	..	(a) 127	..	67	482
Do. West ..	382	1	383
Salem, East ..	(b) 334	47	(a) 12	..	(a) 15	(c) 74	105
Do. North ..	96	216	209	521
Do. Central ..	(d) 263	(e) 36	113	412
Do. South ..	134	(a) 4	..	36	..	2	..	26	104	344
Total ..	1,634	47	..	36	..	292	..	62	494	147
Grand total ..	(a) 1,671	..	36	..	292	..	62	..	494	147

Notes for Second Circle.—(a) Revised figure.
(b) Difference due to disafforestation.

Notes for Third Circle.—(a) Area cancelled or disafforested.

Notes for Fourth Circle.—(a) These figures are excluded from the total arrived at vertically as they have already been included in the respective figures in sub-column 1 of column 2.
(b) This figure includes 18 square miles under panchayat.
(c) Of this 10 square miles are also worked for sandal under working-plan sanctioned in B.P. Mis. No. 170, Forest, dated 6th May 1918.
(d) This figure includes—
(i) Twenty square miles under panchayat and (ii) fifteen square miles worked for sandal under sanction conveyed in B.P. Mis. No. 170, Forest, dated 6th May 1918.
(e) This figure excludes 18 square miles of the scheme as it is already included in the figure in sub-column 1 of column 2.

Progress made in working-plans during 1921-22—cont.

District.	Areas for which working-plans have been completed and approved by the Chief Conservator.		Areas for which working-plans are being compiled or have been compiled but not sanctioned.		Areas for which working-plans have still to be taken in hand.	Areas for which working-plans are not at present required.	Total forest area as per Form No. 65.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.			
<i>Reserved forests.</i>							
<i>Fifth Circle.</i>	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Kollegal *	(a) 5 (b) 57 (c) 30	..	..	..	161	685	938
Coimbatore, North. *	(a) 51 (b) 25 (c) 242	(a) 5	..	..	267	296	886
Coimbatore, South. *	(a) 20 (b) 20	..	..	..	50	337	427
Madura	(a) 351	..	..	15	282	12	660
Tinnevely	233	..	..	..	16	176	425
Total ..	1,084	5	..	15	776	1,506	3,336
<i>Reserved lands.</i>							
Tinnevely ..	..	..	..	..	..	2	2
<i>Leased forests.</i>							
Coimbatore, South.	(a) 27	..	..	..	..	..	27
Grand total ..	1,061	5	..	15	776	1,508	3,365
<i>Reserved forests.</i>							
<i>Sixth Circle.</i>							
Mangalore, North.	355	..	..	..	5	..	260
Do. South.	439	..	..	..	..	..	439
Wynaad	178	..	..	..	85	..	263
Nilambur	(d) 8	..	96	..	..	..	(a) 104
The Nilgiris ..	63	..	..	..	..	249	412
Palghat	70	..	..	..	98	96	(b) 264
Total ..	1,113	..	96	..	188	445	1,842
<i>Reserved lands.</i>							
The Nilgiris ..	75	..	..	..	5	6	(c) 86
<i>Leased forests.</i>							
Nilambur	24	..	..	..	..	..	24
Total ..	1,212	..	96	..	193	451	1,952
Grand total, Presidency.	8,095	90	1,480	79	5,354	4,188	(e) 19,236

Notes for Fifth Circle.—* Revised figures—

Kollegal includes area of Burgur working circle transferred from North Coimbatore.

North Coimbatore includes area of Thadagam and Mettupalayam working-plans transferred from old Central Coimbatore district.

(a) Areas of regular working-plan which are in force.

(b) Areas of temporary working schemes.

(c) Areas of lapsed working-plans worked, however, for extraction of dead and spiked sandal trees.

Notes for Sixth Circle.—(a) Difference due to transfer of Mannarghat range to Palghat.

(b) Difference due to transfer of Mannarghat range from Nilambur and transfer of Mettupalayam range to North Coimbatore.

(c) Includes Todapatta lands, 4 square miles.

(d) Increase due to rounding of figures.

(e) Details are not given in respect of 11 square miles of reserved lands in the III Circle and 57 square miles of reserved lands in the IV Circle.

ANNUAL FORM No. 70.

Forest Department, Madras Presidency.

Communications and Buildings during 1921-22..

District.	Roads (including bridge-paths and culverts).				Buildings.		Other works.	
	New works.		Repairs.		Cost of new works.	Cost of repairs.	Cost of new works.	Cost of repairs.
	Length.	Cost.	Length.	Cost.				
<i>First Circle.</i>								
	M. P. CH.	RS.	M. P. CH.	RS.	RS.	RS.	RS.	RS.
Ganjam	5 6 0	4,581 6	64 5 5	9,519	56,574	(a) 4,976 (a) 1,991	600	..
Vizagapatam .. .	7 2 0	353 7	13 1 0	540	1,339 35	(a) 612 (a) 1,075	20	..
Godavari, Upper ..	9 3 0	2,337	10 6 0	373	3,436	(a) 1,965 (a) 829	..	79
Do. Lower	1 1 6	440	36 0 0	1,450	364	(a) 2,318 (a) 1,493	18	228
Kistna	6 6 0	231	6 6 0	264	1,663	(a) 26	..	49
Total	30 2 6	7,929	131 2 5	12,176	63,341	15,185	638	356
<i>Second Circle.</i>								
Bellary .. .. .	..	..	..	..	1,813	(a) 1,028 (b) 733	..	20
Anantapur .. .. .	..	..	5 7 0	245	865	(a) 1,098 (b) 1,977	..	..
Guntur	3 5 0	466	..	..	720	(a) 929 (b) 1,216	493	..
Kurnool, East .. .	6 6 0	2,332	48 5' 0	2,515	4,402	(a) 670 (b) 1,230	1,256	65
Do. South	5 4 0	2,582	83 0 0	4,644	1,987	(a) 3,374 (b) 226	..	64
Do. West	10 0 0	214	26 7 1/2 0	5,714	1,966	(a) 280 (b) 963	900	12
Total	25 7 0	5,574	164 3 1/2 0	13,118	11,753	12,724	2,649	171
<i>Third Circle.</i>								
Cuddapah, North ..	..	..	..	..	4,416	(a) 1,415 (a) 756	..	404
Do. South	15 7 2	10,124	15 4 0	1,884	7,191	(a) 895 (a) 349	828	48
Do. West	2 0 13	1,292	5 4 27	303	2,813	(a) 853 (a) 1,050	109	..
Nellore	8 0 50	321	89 0 0	197	3,731	(a) 724 (a) 1,348	29	117
Chingleput	2 4 0	515	18 0 0	1,971	6,149	(a) 680 (a) 1,436	61	355
Chittoor	3 0 0	1,045	42 8 5	2,951	4,532	(a) 4,156 (a) 1,693	236	163
Vellore, North .. .	..	..	14 0 1	1,027	1,209	(a) 1,255 (a) 885	..	18
Total	32 1 5	13,297	194 6 3	8,333	30,041	9,978 (a) 7,517	1,263	1,100

Note for First Circle. (a) Cost of establishment.
 — Deducted to agree with the Accountant-General's figures.
 Note for Second Circle. (a) Cost of repairs.
 (b) Cost of establishment.
 Note for Third Circle. (a) Cost of establishment.

Communications and Buildings during 1921-22—cont.

District.	Roads (including bridle-paths and culverts)				Buildings.		Other works.	
	New works.		Repairs.		Cost of new works.	Cost of repairs.	Cost of new works.	Cost of repairs.
	Length.	Cost.	Length.	Cost.				
<i>Fourth Circle.</i>								
	M. F. CH.	RS.	M. F. CH.	RS.	RS.	RS.	RS.	RS.
Vellore, South .. ..	..	..	11 3 0	132	43	2,348	97	318
Do. West .. ..	..	..	..	..	400	(a) 958 (b) 525 (c) 3	(b) 86	..
Salem, East .. ..	..	..	6 6 0	162	..	(a) 1,589 (c) 1	170	..
Do. North .. ..	..	..	29 1 0	859	2,196	(a) 950 (c) 108	..	52
Do. Central .. ..	..	..	16 2 0	598	30	(a) 1,639 (c) 535	..	97
Do. South	2 2 0	1,284	38 0 0	{ 1,505 (c) 1,461	3,965	(a) 1,093 (c) 495 (c) 10	..	..
Forest Engineer	22 1 0	15,271	13 6 0	2,742	..	(c) 654	..	..
Total	24 3 0	16,555	109 2 0	4,537	6,634	12,009	273	497
<i>Fifth Circle.</i>								
Kollegal	8 5 0	900	101 6 0	4,328	1,150	(a) 617 390	644	181
Coimbatore, North	8 7 0	2,139	115 0 0	8,910	..	(a) 3,119 390	294	161
Do. South	1 5 0	{ 1,163 (b) 1,477	29 5 0	{ 4,340 (a) 584	..	(a) 1,930 289	735	173
Madura	15 1 0	4,951	200 4 0	12,628	4,930	(a) 2,253 1,922	237	301
Tinnevely	6 4 0	2,992	42 3 0	3,170	541	(a) 4,004 617	..	40
Forest Engineer	3 0 0	(c) 23,568	..	..	..	..	..	..
Direction	(d) 75 0 0	1,132	3 0 0	33	7,783	183	..	3
Total	118 6 0	38,322	492 2 0	33,992	14,404	15,674	1,820	858
<i>Sixth Circle.</i>								
Mangalore, North	1 1 0	608	24 3 0	624	5,954	729	189	43
Do. South	1 6 0	153	10 8 0	453	294	845	52	243
Wynaad .. ..	..	..	110 0 0	3,984	1,978	1,939	189	92
Nilambur	(a) ..	..	..	1,492	1,943	2,724	..	35
The Nilgiris .. ..	..	..	66 0 0	9,623	2,185	4,256	503	713
Palghat	47 3 0	13,762	26 2 0	{ 16,095 (b) 1,291	27 869	1,921	622	45
Forest Research office .. ..	..	..	..	..	..	200	..	..
Direction .. ..	..	..	..	..	..	18	..	..
Total	50 2 0	14,723	237 0 0	33,562	40,223	12,632	1,556	1,171
Grand Total, Presidency.	279 0 0	96,400	1,267 0 0	1,05,718	1,66,396	85,719	8,199	4,138

Notes for Fourth Circle. (a) Cost of establishment.
(b) Added or subtracted to tally with Accountant-General's audited figures.
(c) Cash recovery of service payments.

Notes for Fifth Circle. (a) Cost of establishment.
(b) Expenditure on improvements to tram line.
(c) Includes expenditure for the earthwork and revetment wall on the new Mount Stuart Ghat Road over a distance of three miles and that on the investigation of the branch road from Topshp to Mount Stuart and water-supply scheme.
(d) Alignment of inspection paths in Kodamadi and Kannikatty ranges in the Tinnevely district.

Notes for Sixth Circle. (a) Exact details of new works and repairs not available; also expenditure during part of the year has not been included in the return owing to loss of records in the Moplah rebellion.

FOREST DEPARTMENT

ANNUAL FORM No. 71.

Forest Department, Madras Presidency.

Register of breaches of Forest Rules during 1921-22.

District.	Cases pending from 1920-21.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.	
		Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.			
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.		
<i>First Circle.</i>															
Ganjam ..	A ..	42	1	42	4	12	59	101	46	136	23	99	69	235	32
	B ..	48	1	320	22	19	362	410	323	1,336	18	110	341	1,446	69
	C	100	35	135
Total ..	90	102	897	26	31	556	511	369	1,472	41	209	410	1,681	101	
Visagapatam.	A ..	26	2	83	11	20	116	142	88	284	9	39	97	323	45
	B ..	45	1	269	59	8	337	382	333	570	17	82	350	652	32
	C ..	..	41	..	..	1	42	..	..	..	..	..	..	..
Total ..	71	44	352	70	29	495	524	421	854	26	121	447	975	77	
Godavari, Upper.	A ..	12	1	20	1	..	22	34	27	149	3	9	130	158	4
	B ..	5	1	61	10	..	72	77	64	136	8	30	72	166	5
	C ..	..	65	..	..	..	65	..	..	..	..	..	..	..
Total ..	17	67	81	11	..	159	111	91	285	11	39	102	324	9	
Godavari, Lower.	A ..	30	1	36	4	4	45	75	61	170	10	25	71	195	4
	B ..	107	..	196	43	14	253	360	299	668	2	2	301	670	59
	C ..	..	47	10	..	6	63	..	..	..	..	..	..	..
Total ..	137	48	242	47	24	361	435	360	838	12	27	372	865	63	
Kistna	A ..	53	..	100	53	6	159	212	176	658	12	23	188	681	24
	B ..	41	..	233	256	26	514	565	375	1,001	51	99	426	1,100	129
	C ..	..	13	8	..	..	21	..	..	..	..	..	..	..
Total ..	94	13	341	308	32	694	767	551	1,659	63	122	614	1,781	153	
Total, First Circle.	A ..	163	5	281	73	43	461	564	398	1,397	57	195	455	1,592	109
B ..	246	8	1,079	389	67	1,538	1,784	1,394	3,711	96	323	1,490	4,034	294	
C ..	..	266	53	..	..	326	..	..	..	..	..	..	..	..
Grand Total, First Circle.	409	274	1,413	462	116	2,265	2,348	1,792	5,108	153	518	1,945	5,626	403	
<i>Second Circle.</i>															
Bellary ..	A ..	60	..	46	44	9	99	159	137	893	9	46	146	439	13
	B ..	180	..	243	232	16	491	671	385	930	190	504	575	1,434	96
	C ..	..	18	5	2	3	28	..	..	..	..	..	..	..
Total ..	240	18	294	278	28	618	830	522	1,323	199	550	721	1,873	109	
Anantapur.	A ..	78	..	276	115	9	400	478	364	1,025	10	54	374	1,079	104
	B ..	96	..	282	200	18	500	596	483	976	50	134	533	1,110	63
	C ..	..	14	39	..	..	53	..	..	..	..	..	..	..
Total ..	174	14	597	315	27	953	1,074	847	2,001	60	188	907	2,189	167	
Guntur ..	A ..	893	..	224	148	19	391	784	526	2,178	125	436	651	2,614	133
	B ..	639	..	324	240	36	600	1,239	900	2,283	188	715	1,088	2,998	151
	C ..	..	..	21	4	4	29	..	..	..	..	..	..	..
Total ..	1,032	..	569	392	59	1,020	2,023	1,426	4,461	313	1,151	1,739	5,612	284	

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.

* The variations between the closing balance of last year and these figures are due to transfers from B to A.

Register of breaches of Forest Rules during 1921-22—cont.

District.	Cases pending from 1920-21.	New cases of the year.					Total new cases of the year.	Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.			Convictions.		Acquittals.		Total.		
									Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
<i>Second Circle—cont.</i>															
Kurnool, East.	A	38	42	68	1	111	144	68	198	19	72	87	270	57	
	B	24	233	109	7	349	373	142	348	141	433	283	781	90	
	C	10	7	1	..	18	..	..	..	..	..	..	..	..
Total	57	10	282	178	8	478	517	210	546	180	505	370	1,051	147	
Kurnool, South.	A	15	75	22	6	103	118	104	379	..	7	104	386	14	
	B	25	211	115	5	331	356	282	973	44	151	306	1,124	50	
	C	..	42	..	..	42	..	..	..	..	..	..	..	..
Total	40	..	328	137	11	476	474	386	1,352	44	158	410	1,510	64	
Kurnool, West.	A	58	272	62	26	560	448	380	901	16	45	376	946	72	
	B	40	409	125	32	566	606	462	928	56	259	520	1,187	86	
	C	..	53	..	..	53	..	..	..	..	..	..	..	..
Total	128	..	734	187	58	979	1,054	822	1,829	74	304	896	2,133	158	
Total, Second Circle.	A	667	935	459	70	1,464	2,181	1,559	5,074	179	660	1,738	5,734	393	
	B	1,004	1,702	1,021	114	2,837	3,841	2,634	8,448	671	2,196	3,305	8,534	536	
	C	42	167	7	7	223	..	..	..	..	..	..	..	..
Grand Total, Second Circle.	1,671	42	2,804	1,487	191	4,524	5,972	4,193	11,512	850	2,856	5,043	14,368	929	
<i>Third Circle.</i>															
Cuddapah, North.	A	7	141	14	4	160	167	126	533	12	32	138	565	29	
	B	98	280	70	10	310	408	336	595	84	187	370	762	88	
	C	..	33	2	..	133	..	..	..	..	..	..	..	..
Total	105	99	404	86	14	603	575	462	1,128	46	169	508	1,297	67	
Cuddapah, South.	A	54	157	69	6	234	288	149	432	36	275	235	707	62	
	B	2	29	29	4	132	134	100	226	16	103	115	329	19	
	C	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	56	2	256	98	10	366	422	249	658	101	378	350	1,036	72	
Cuddapah, West.	A	149	204	84	15	303	452	373	873	25	94	398	967	54	
	B	129	416	156	15	587	716	604	1,260	91	337	695	1,597	21	
	C	..	57	2	..	59	..	..	..	..	..	..	..	..
Total	278	..	677	242	30	949	1,168	977	2,133	116	431	1,093	2,564	75	
Nellore	A	132	108	210	27	345	477	227	876	38	194	365	1,070	212	
	B	517	415	602	58	1,076	1,593	1,107	2,509	115	549	1,222	3,058	371	
	C	..	38	..	..	38	..	..	..	..	..	..	..	..
Total	649	1	561	812	85	1,459	2,070	1,334	3,385	153	743	1,487	4,128	582	
Chingleput.	A	48	96	30	..	126	174	134	313	11	30	145	343	29	
	B	73	354	174	3	521	604	536	1,110	39	51	575	1,161	29	
	C	..	2	..	..	3	..	..	..	..	..	..	..	..
Total	121	1	452	204	3	660	778	670	1,423	50	81	720	1,504	58	
Chittoor.	A	121	211	181	54	446	567	225	432	277	444	502	876	65	
	B	58	452	307	68	827	885	709	1,092	123	215	832	1,307	52	
	C	..	28	5	..	203	..	..	..	..	..	..	..	..
Total	179	170	691	493	122	1,476	1,452	934	1,524	400	659	1,334	2,183	116	

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.
 * The variations between the closing balance of last year and these figures are due to transfers from B to A.
 † Includes cases in which compounding Fees were paid by the accused after the cases were taken into court—G.O. No. 2097, Revenue, dated 12th July 1917, and B.P. No. 86, dated 11th August 1917.

Register of breaches of Forest Rules during 1921-22 — cont.

District.	Cases pending from 1920-21.	New cases of the year.						Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.	Total cases.	Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
<i>Third Circle—cont.</i>														
Vellore, North.	{ A .. 268	..	212	110	1	323	591	482	1,451	104	276	586	1,727	5
	{ B .. 181	..	916	462	5	1,383	1,564	1,186	2,245	21	105	1,207	2,350	357
	{ C	67	..	..	..	67	..	..	..	..	..	..	..	..
Total ..	449	67	1,128	572	6	1,773	2,155	1,668	3,696	125	381	1,793	4,077	362
Total, Third Circle.	{ A .. 779	3	1,129	698	107	1,937	2,716	1,716	4,910	563	1,345	2,269	6,255	447
	{ B .. 1,058	1	2,882	1,800	163	4,846	5,904	4,578	9,037	438	1,497	5,016	10,534	888
	{ C	336	158	9	..	503	..	..	..	..	..	..	..	..
Grand Total Third Circle.	1,837	340	4,169	2,507	270	7,286	8,620	6,294	13,947	991	2,842	7,285	16,789	1,335
<i>Fourth Circle.</i>														
Vellore, South.	{ A .. (a) 117	..	354	45	47	446	563	315	750	23	64	338	814	225
	{ B .. (a) 448	..	1,104	302	157	1,568	2,011	1,370	2,981	55	215	1,425	3,196	586
	{ C	90	21	..	..	111	..	..	..	..	..	..	..	..
Total ..	565	90	1,479	347	204	2,120	2,574	1,685	3,731	78	279	1,763	4,010	811
Vellore, West.	{ A .. 125	..	159	9	5	173	301	222	465	13	35	235	500	66
	{ B .. 64	..	652	128	6	786	850	656	1,565	41	100	697	1,865	153
	{ C .. ..	..	15	1	..	16	..	..	..	..	..	..	..	..
Total ..	192	..	826	138	11	975	1,151	878	2,030	54	135	932	2,165	219
Salem, East.	{ A .. (a) 616	1	574	145	18	733	1,349	851	2,515	31	132	882	2,647	467
	{ B .. (a) 204	..	838	249	2	1,189	1,343	806	1,800	(b) 9	219	876	2,019	467
	{ C	94	6	..	..	100	..	..	..	(b) 61	..	..	..	..
Total ..	820	95	1,468	394	15	1,972	2,692	1,657	4,315	101	351	1,758	4,666	934
Salem, North.	{ A .. (a) 17	..	25	17	13	55	72	26	84	11	18	37	52	35
	{ B .. (a) 50	2	192	78	29	301	851	226	420	45	81	271	501	30
	{ C	97	..	..	2	99	..	..	..	..	..	..	..	..
Total ..	67	99	217	95	44	455	423	252	454	56	99	308	553	115
Salem, Central.	{ A .. 94	..	417	68	18	503	597	396	1,178	(b) 23	85	429	1,263	168
	{ B .. 536	..	228	86	18	332	868	354	785	(b) 10	65	377	850	491
	{ C	39	..	..	..	39	..	..	..	(b) 23	..	..	..	..
Total ..	630	39	645	154	36	874	1,465	750	1,963	56	150	806	2,113	659
Salem, South.	{ A .. (a) 488	..	436	51	8	495	983	521	1,730	(b) 22	177	582	1,907	401
	{ B .. (a) 447	..	1,755	154	37	1,956	2,403	1,660	3,251	(b) 39	233	1,720	3,484	683
	{ C	26	47	..	..	73	..	..	..	60	..	..	..	..
Total ..	935	26	2,248	205	45	2,524	3,386	2,181	4,981	121	410	2,302	5,391	1,084
Total, Fourth Circle.	{ A .. 1,460	1	1,965	335	104	2,405	3,865	2,331	6,672	172	511	2,503	7,183	1,363
	{ B .. 1,749	2	4,829	997	249	6,077	7,326	5,072	10,802	294	913	5,366	11,715	2,460
	{ C	346	89	1	2	438	..	..	..	..	..	..	..	..
Grand Total Fourth Circle.	3,209	349	6,883	1,333	355	8,920	11,691	7,403	17,474	466	1,424	7,869	18,898	3,822

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.
 (a) Revised figures furnished by the District Forest Officer. (b) Cases withdrawn.

Register of breaches of Forest Rules during 1921-22—cont.

District.	Cases pending from 1920-21.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of the year.
		Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	
<i>Fifth Circle.</i>														
Kollegal.	A	21	2	2	1	5	26	21	88	4	15	25	103	1
	B	..	203	127	29	359	359	326	750	23	48	349	798	10
	C	..	26	..	..	..	26	..	..	..	..	..	..	..
Total		21	205	129	30	390	386	347	838	27	63	374	901	11
Coimbatore, North.	A	20	32	14	2	48	68	64	131	2	6	66	137	2
	B	12	489	204	12	710	722	650	1,034	82	87	682	1,131	40
	C	..	42	26	..	68	..	..	..	..	..	..	..	..
Total		32	521	244	14	826	790	714	1,165	84	93	748	1,268	42
Coimbatore, South.	A	25	40	9	7	56	81	69	155	2	7	71	162	10
	B	30	273	40	28	342	379	294	754	19	63	313	817	69
	C	..	12	4	..	16	..	..	..	..	..	..	..	..
Total		55	317	49	35	414	453	363	909	21	70	384	979	69
Madurai.	A	711	695	124	23	842	1,553	841	3,746	56	629	897	4,376	655
	B	266	705	121	12	839	1,095	463	1,332	244	450	707	1,782	883
	C	..	167	7	1	175	..	..	..	..	..	..	..	..
Total		967	1,407	245	36	1,856	2,648	1,304	5,078	300	1,079	1,604	6,158	1,044
Tiranevelly.	A	35	199	45	5	260	285	244	629	14	32	258	661	27
	B	169	593	289	60	942	1,111	774	1,852	14	48	788	1,900	323
	C	..	30	8	2	40	..	..	..	..	..	..	..	..
Total		204	800	336	65	1,232	1,396	1,018	2,481	28	80	1,046	2,561	350
Total, Fifth Circle.	A	812	968	194	35	1,201	2,013	1,239	4,749	78	689	1,317	5,439	698
	B	467	2,263	781	141	3,192	3,659	2,507	5,722	332	696	2,839	5,418	820
	C	277	19	28	1	325	..	..	..	..	..	..	..	..
Grand Total, Fifth Circle.		1,279	3,250	1,003	180	4,718	5,672	3,746	10,471	410	1,385	4,156	11,857	1,518
<i>Sixth Circle.</i>														
Mangalore, North.	A	41	17	4	1	33	74	41	75	11	18	52	93	23
	B	35	416	21	12	464	499	375	663	44	76	419	739	80
	C	..	29	..	..	29	..	..	..	..	..	..	..	..
Total		76	433	25	13	526	573	416	738	55	94	471	822	103
Mangalore, South.	A	42	23	2	10	39	81	44	103	19	37	68	140	14
	B	24	195	3	10	214	238	155	419	27	45	162	464	56
	C	..	19	..	..	19	..	..	..	..	..	..	..	..
Total		66	216	5	20	272	319	199	522	46	82	245	604	74
Wynaad.	A	..	..	..	..	..	..	..	..	..	..	..	..	..
	B	2	9	4	8	21	23	..	..	19	28	20	29	..
	C	..	..	..	..	..	..	..	..	1	1	..	..	..
Total		2	9	4	8	21	23	..	..	20	29	20	29	..
Information not furnished by the District Forest Officer as the records were all destroyed in the Moplah rebellion.														
Nilambur.	A	7	6	4	8	18	25	20	79	2	6	22	85	1
	B	19	115	76	26	217	236	133	484	36	105	219	539	1
	C	..	33	..	2	35	..	..	..	..	..	..	..	..
Total		26	121	80	36	270	261	203	563	38	111	241	674	2
Palghat.	A	18	32	7	3	42	60	41	215	..	..	46	215	1
	B	25	124	42	20	185	210	77	196	19	..	182	196	2
	C	..	7	..	3	11	..	86	..	..	..	..	..	..
Total	(b)	43	161	49	26	238	270	209	411	19	..	228	411	4
Total, Sixth Circle.	A	108	73	17	22	132	240	151	472	32	61	183	533	5
	B	105	855	146	76	1,101	1,206	876	1,762	146	255	1,022	2,017	18
	C	..	7	..	5	94	..	..	..	..	..	..	..	..
Grand Total, Sixth Circle.		213	940	163	103	1,327	1,446	1,027	2,234	178	316	1,205	2,550	24
Total, Presidency.	A	3,989	5,356	1,776	383	7,540	11,529	7,394	23,274	1,071	3,461	8,465	26,786	3,06
	B	4,629	13,610	5,134	810	19,591	24,220	17,061	37,472	1,977	5,880	13,038	43,352	5,18
	C	..	493	45	22	1,909	..	..	..	..	..	..	..	..
Grand Presidency.		8,618	19,459	6,955	1,215	29,040	35,749	24,455	60,746	3,048	9,341	27,503	70,088	8,24

A = Cases taken to Court

B = Cases compounded.

C = Cases undetected.

FOREST DEPARTMENT

xix

ANNUAL FORM No. 72.

Forest Department, Madras Presidency.

Area of forest tracts protected from fire during 1921-22.

District.	Forest tracts.	Area protected during the previous year.	During the year under report.			Cost during the year under report.
			Area attempted to be protected.	Fires.	Actually protected.	
	<i>First Circle.</i>	acs.	acs.	acs.	acs.	Rs.
Ganjam ..	Special protection ..	45,772	45,839	3,048	43,791	2,992
	General do. ..	219,709	220,039	61,461	158,578	3,158
	Total, Ganjam ..	265,481	266,878	64,509	202,369	(a) - 87
Vizagapatam.	Special protection ..	102,622	94,181	2,727	91,454	1,479
	General do. ..	65,061	5,485	..	5,485	(a) - 122
	Total, Vizagapatam ..	167,683	99,666	2,727	96,939	39
Godavari Upper.	Special protection ..	516,659	532,269	102,957	429,312	2,562
						(a) + 4,778
Godavari, Lower.	Special protection ..	150,680	152,636	5,069	147,567	4,246
	General do. ..	81,710	82,668	428	82,140	708
	Total, Godavari, Lower..	232,390	235,204	5,497	229,707	4,954
Kistna ..	Special protection ..	11,710	14,220	41	14,179	420
	General do. ..	30,727	32,811	..	32,811	655
	Total, Kistna ..	42,437	47,031	41	46,990	1,075
Total, First Circle.	Special protection ..	827,443	840,145	113,842	726,303	16,355
	General do. ..	397,207	340,903	61,889	279,014	4,473
	Grand total ..	1,224,650	1,181,048	175,731	1,005,317	20,828
	<i>Second Circle.</i>					
Bellary ..	Special protection ..	50,082	36,754	898	95,856	164
	General do. ..	184,169	252,392	3,737	248,655	..
	Total ..	234,251	289,146	4,635	244,511	164
Anantapur ..	Special protection ..	125,140	139,008	541	138,467	418
	General do. ..	333,547	338,762	466	338,296	..
	Total ..	458,687	477,770	1,007	476,763	418
Guntur ..	Special protection ..	..	Nil.	..	..	..
	General do. ..	511,425	504,939	96	504,843	..
	Total ..	511,425	504,939	96	504,843	..
Kurnool, East.	Special protection ..	15,596	Transferred to general protection.			
	Early burning ..	297,920	201,690	238	201,452	728
	General protection ..	304,647	419,093	1,042	418,051	1,247
	Total ..	618,163	620,783	1,280	619,503	1,975
Kurnool, South.	Special protection ..	137,478	147,987	5,745	142,242	5,001
	Early burning ..	186,128	215,653	7,715	207,938	1,561
	General protection ..	122,914	122,766	..	122,766	Nil
	Total ..	446,520	486,406	13,460	472,946	6,562
Kurnool, West.	Special protection ..	33,288	29,991	60	29,931	775
	Early burning ..	321,494	348,283	Nil	348,283	1,532
	General protection ..	25,297	9,858	Nil	9,868	Nil.
	Total ..	380,079	388,142	60	388,082	2,307
Total, Second Circle.	Special protection ..	331,665	353,740	7,244	346,496	6,358
	Early burning ..	805,542	765,626	7,953	757,673	3,821
	General protection ..	1,481,999	1,647,820	6,341	1,642,479	1,247
	Grand total ..	2,649,106	2,767,166	20,538	2,746,648	11,426
	<i>Third Circle.</i>					
Cuddapah, North.	Special protection ..	264,227	275,246	29,614	245,632	5,939
	General do. ..	54,936	55,107	1,590	53,517	..
	Total ..	319,163	330,353	31,204	299,149	5,939
Cuddapah, South.	Special protection ..	200,929	218,072	42,837	175,235	4,604
	General do. ..	45,223	45,231	2,311	42,420	945
	Total ..	246,152	263,303	45,648	217,655	5,549

(a) Added or subtracted as per Accountant-General's figures.

Notes.—This return deals with a period of only 9 months as per Chief Conservator's Proceedings Routine No. 1049, dated 7th July 1921 as three months have already been included in the last year's report.

Area of forest tracts protected from fire during 1921-22—cont..

District.	Forest tracts.	Area protected during the previous year.	During the year under report.			Cost during the year under report.
			Area attempted to be protected.	Fires.	Actually protected.	
	<i>Third Circle—cont.</i>	ACS.	ACS.	ACS.	ACS.	RS.
Cuddapah, West.	Special protection ..	205,579	211,495	11,786	199,709	3,964
	General do. ..	259,345	269,283	8,805	260,478	96
	Total ..	464,924	480,778	20,591	460,187	4,060
Nellore ..	Special protection ..	149,184	149,469	2,468	147,001	1,971
	General do. ..	..	..	..	..	..
	Total ..	149,184	149,469	2,468	147,001	1,971
Chingleput..	Special protection ..	25,523	15,975	42	15,933	1,115
	General do. ..	104,553	113,951	..	113,951	..
	Total ..	130,076	129,926	42	129,884	1,115
Chittoor ..	Special protection ..	114,361	120,686	17,347	103,339	6,056
	General do. ..	403,737	407,020	7,718	399,302	..
	Total ..	518,398	527,706	25,065	502,641	6,056
Vellore, North.	Special protection ..	29,919	31,038	1,540	29,548	604
	General do. ..	261,632	262,197	3,548	258,649	..
	Total ..	291,551	293,235	5,088	288,197	604
Total ..	Special protection ..	990,022	1,022,031	105,634	916,397	24,258
	General do. ..	1,129,426	1,152,789	24,472	1,128,317	1,041
	Total, Third Circle ..	2,119,448	2,174,820	130,106	2,044,714	25,294
	<i>Fourth Circle.</i>					
Vellore, South.	Special protection ..	99,043	100,998	137	100,861	860
	General do. ..	191,662	193,280	1,378	191,902	..
	Total ..	290,905	294,278	1,515	292,763	..
Vellore, West.	Special protection ..	102,791	103,762	931	102,831	221
	General do. ..	138,233	140,872	407	140,465	..
	Total ..	241,024	244,634	1,338	243,296	..
Salem, East..	Special protection ..	190,017	190,332	383	189,949	868
	General do. ..	172,056	145,650	583	145,067	+(a) 247
	Total ..	362,073	335,982	966	335,016	..
Salem, North.	Special protection ..	74,317	52,565	7,142	45,423	1,563
	General do. ..	257,768	281,223	11,948	269,280	..
	Total ..	332,085	333,793	19,090	314,703	..
Salem, Central.	Special protection ..	104,799	118,863	1,216	117,647	1,461
	General do. ..	147,416	136,082	143	135,939	(a)+ 218
	Total ..	252,215	254,945	1,359	253,586	..
Salem, South.	Special protection ..	(b) 115,303	116,086	671	115,415	714
	General do. ..	(b) 100,810	103,897	1	103,896	..
	Total ..	216,113	219,983	672	219,311	..
Total ..	Special protection ..	686,270	682,606	10,480	672,126	5,637
	General do. ..	1,008,145	1,001,009	14,460	986,549	465
	Total, Fourth Circle ..	1,694,415	1,683,615	24,940	1,658,675	6,102
	<i>Fifth Circle.</i>					
Kollegal ..	Special protection ..	38,380	34,127	908	33,319	3,495
	General do. ..	559,521	565,100	3,446	561,654	..
	Total ..	597,901	599,227	4,354	594,973	3,495

(a) Expenditure incurred for clearing top lines.

(b) Revised figures furnished by District Forest officers.

FOREST DEPARTMENT

XXB

Area of forest tracts protected from fire during 1921—cont.

District.	Forest tracts.	Area protected during the previous year.	During the year under report.			Cost during the year under report.
			Area attempted to be protected.	Fires.	Actually protected.	
	<i>Fifth Circle—cont.</i>	acs.	acs.	acs.	acs.	rs.
Coimbatore, North.	Special protection ..	22,020	19,453	504	18,959	5,187
	General do. ..	511,674	530,816	13,276	517,540	805
	Total ..	533,694	550,279	13,780	536,499	5,992
Coimbatore, South.	Special protection ..	47,350	47,350	911	46,439	2,674
	General do. ..	200,993	200,993	1,546	199,447	..
	Total ..	248,343	248,343	2,457	245,886	2,674
Madura ..	Special protection ..	175,461	140,542	11,385	129,157	4,099
	General do. ..	245,746	281,788	4,898	276,890	(a)+ 1709
	Total ..	421,207	422,330	16,283	406,047	5,808
Tinnevely ..	Special protection ..	32,235	35,688	1,917	33,771	5,132
	General do. ..	201,749	206,712	9,534	197,178	..
	Total ..	233,984	242,400	11,451	230,949	5,132
Total ..	Special protection ..	315,446	277,170	15,625	261,545	22,296
	General do. ..	1,719,683	1,785,409	32,700	1,752,709	805
	Total, Fifth Circle ..	2,035,129	2,062,579	48,325	2,014,254	23,101
	<i>Sixth Circle.</i>					
Mangalore, North.	Special protection ..	32,752	32,812	206	32,606	1,475
	General do. ..	198,689	197,134	1,024	196,140	1,662
	Total ..	229,441	229,973	1,230	228,746	3,137
Mangalore, South.	Special protection ..	106,577	107,342	972	106,370	1,899
	General do. ..	170,454	171,458	1,038	170,420	1,089
	Total ..	277,031	278,800	2,010	276,790	2,988
Wynaad ..	Special protection ..	109,546	139,596	345	139,251	5,349
Nilambar ..	Special protection ..	81,743	81,743	170	81,573	2,822
The Nilgiris.	Special protection ..	45,114	76,657	734	71,923	5,017
	General do. ..	237,301	242,616	3,299	239,317	..
	Total ..	282,415	319,273	8,033	311,240	5,017
Palghat ..	Special protection ..	91,308	126,227	1,545	124,682	4,119
	General do. ..	64,825	42,707	78	42,629	322
	Total ..	146,133	168,934	1,623	167,311	4,441
Total ..	Special protection ..	467,040	584,385	7,972	556,413	20,681
	General do. ..	659,269	653,946	5,439	648,507	3,073
	Total, Sixth Circle ..	1,126,309	1,238,331	13,411	1,204,920	23,754
Total, Presidency.	Special protection ..	3,617,786	3,740,077	260,797	3,479,280	95,630
	General do. ..	6,395,729	6,581,876	144,301	6,437,575	11,104
	Early burning ..	805,542	765,628	7,953	767,673	3,821
	Grand total, presidency ..	10,819,057	11,087,579	413,051	10,674,528	110,555

(a) Amount spent on fire protection of common boundary between Zamin and State forests.
Sixth Circle Note.—The figures in column 3 are those reported by the District Forest officers as the area protected during the previous calendar year.

ANNUAL FORM No. 73.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1921-22.

District.	Closed to all animals.		Open to grazing			
	Whole year.	Part of year.	Of all animals except goats.		Of all animals except browsers (sheep and goats).	
			Whole year.	Part of year.	Whole year.	Part of year.
FIRST CIRCLE.						
<i>Reserved forests.</i>						
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjam	88	..	537	..	..	..
Visagapatam	16	2	288	2	..	..
Godavari, Upper .. .. .	..	..	685	..	..	..
Do. Lower	24	..	450	..	..	..
Kistna	54	8	202	..	..	..
Total	182	10	2,062	2	..	..
<i>Reserved lands.</i>						
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Visagapatam .. .. .	..	..	2	..	..	..
Godavari, Upper .. .. .	..	..	247	..	..	..
Do. Lower .. .. .	..	..	12	..	..	..
Kistna .. .. .	..	..	1	..	..	..
Total .. .. .	..	..	262	..	..	..
SECOND CIRCLE.						
<i>Reserved forests.</i>						
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Bellary	51	..	516	..	..	..
Anantapur	20	62	665	..	..	..
Guntur	82	..	417	..	290	..
Kurnool, East .. .. .	..	..	970	..	..	..
Do. South	551	..	209	..	..	..
Do. West	162	8	685	..	..	..
Total	866	70	3,462	..	290	..
<i>Reserved lands.</i>						
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Bellary	3	..	0.06	..	..	..
Guntur .. .. .	..	..	..	..	..	..
Total	3	..	0.06	..	..	..
THIRD CIRCLE.						
<i>Reserved forests.</i>						
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Cuddapah, North	78	..	518	..	..	..
Do. South	90	..	372	..	..	..
Do. West	67	..	685	..	..	..
Nellore	248	399	71	..	..	..
Chingleput	68	131	14	..	..	..
Chittoor	160	123	541	..	..	..
Vellore, North	130	6	317	..	..	..
Total	831	659	2,518	..	..	..
<i>Reserved lands.</i>						
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Nellore	11	..	..	..	..	..

Area closed and open to grazing during 1921-22—cont.

District.	Closed to all animals.		Open to grazing			
			Of all animals except goats.		Of all animals except browsers (sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.

FOURTH CIRCLE.

Reserved forests.

	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Vellore, South	77	..	405	..	..	..
Do. West	15	..	368	..	..	..
Salem, East	103	6	445	6	..	..
Do. North	49	..	472	..	..	..
Do. Central	34	4	270	4	..	..
Do. South	60	..	284	..	..	..
Total	338	10	2,344	10	..	..

Reserved lands.

	(a)	..	(a)	..	..	..
Vellore, South	(a)	..	(a)	..	..	..
Do. West	..	..	..	..	..	..
Salem, East	..	..	12	..	..	..
Do. North	..	..	..	..	..	..
Do. Central	6	..	6	..	..	..
Do. South	(a)	..	33	..	..	..
Total	6	..	51	..	..	..

FIFTH CIRCLE.

Reserved forests.

	3	..	935	..	..	..
Kollegal	3	..	935	..	..	..
Coimbatore, North	49	..	837	..	..	..
Do. South	251	..	190	..	13	..
Madura	102	..	248	..	210	..
Tinnevely	292	34	99	..	..	..
Total	697	34	2,309	..	323	..

Reserved lands.

Tinnevely	2	..	..	..	..	..
Grand total	699	34	2,309	..	323	..

SIXTH CIRCLE.

Reserved forests.

	10	..	..	..	350	..
Mangalore, North	10	..	..	..	350	..
Do. South	8	..	..	..	431	..
Wynaad	..	..	..	..	206	57
Nilambur	108	..	..	..	..	..
The Nilgiris	23	..	389	..	..	..
Palghat	162	..	102	..	..	..
Total	311	..	491	..	987	57

Reserved lands.

Nilambur	20	..	..	..	..	..
The Nilgiris	9	..	77	..	..	..
Total	29	..	77	..	..	..
Grand total, Presidency	3,276	783	13,576	12	1,600	57

(a) Below one square mile.

ANNUAL
Forest Department,
Return of grazing in the

District.	At enhanced or special rates.					Grazing on payment.				
						At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
FIRST CIRCLE.					Rs.					Rs.
<i>Reserved forests.</i>										
Ganjam	(a) 603	(a) 6,829	(a) S 912	..	4,246	6,634	32,858	S 92	..	8,657
Vizagapatam ..	(b) 1,427	(c) 839	..	..	1,385	22	4,057	S 1	..	769
Godavari, Upper..	(c) 7,808	(c) 7,882	..	..	5,875	..	..	..	..	..
Do. Lower. {	..	..	..	..	5	..	..	..	..	..
..	(b) 591	(b) 5,578	(b) S 1,052	..	4,047	4,959	17,716	S 15,864	..	6,669
Kistna .. ..	..	(d) 1,315	..	..	..	..	..	..	..	1,100
..	..	..	..	..	..	..	..	..	..	1,303
..	..	..	..	..	..	..	..	..	..	150
Total ..	10,429	22,443	S 1,964	..	15,553	11,615	54,631	S 15,957	..	16,095
..	..	..	..	..	5	..	..	..	..	1,100
..	..	..	..	..	28	..	..	..	..	1,303
..	..	..	..	..	..	..	..	..	..	150
<i>Reserved lands.</i>										
Godavari, Upper ..	..	..	..	..	..	..	..	..	..	..
<i>Unreserved lands.</i>										
Ganjam .. ..	..	..	..	..	..	..	..	..	..	13
Godavari, Lower.,	(e) 10,065	(e) 10,221	..	..	7,588	..	..	..	..	1,377
Kistna .. ..	..	..	..	..	..	1,002	255	..	..	423
..	..	..	..	..	..	..	..	..	..	66
Total ..	10,065	10,221	..	..	7,588	1,002	255	..	..	423
..	..	..	..	..	..	..	..	..	..	1,455
Grand Total ..	20,494	32,664	S 1,964	..	23,141	12,617	54,886	S 15,957	..	16,518
..	..	..	..	..	5	..	..	..	..	1,100
..	..	..	..	..	28	..	..	..	..	2,758
..	..	..	..	..	..	..	..	..	..	150
SECOND CIRCLE.										
Bellary	(a) 589	4,989	2,477	..	7,406	7,014	36,943	79,966	..	17,055
..	..	..	..	..	..	..	..	..	..	(g) 2,384
..	..	..	..	..	..	..	..	..	..	(h) 6,614
..	..	..	..	..	..	(b) 1,690	51,350	62,608	..	43,017
Anantapur .. ..	..	..	..	..	..	..	..	..	..	(g) 288
..	..	..	..	..	..	..	..	..	..	(h) 636
..	..	..	..	..	..	..	..	..	..	4,733
Guntur	(e) 3,859	17,561	35,501	..	39,772	1,181	2,760	27,623	..	(g) 5,936
..	..	..	..	..	..	..	..	..	..	(h) 2,895
..	..	..	..	..	..	..	..	..	..	13,445
Kurnool, East ..	(d) 1,517	16,933	..	..	19,967	1,315	16,253	17,320	..	(g) 13
..	..	..	..	..	..	..	..	..	..	(h) 2,325
Do. South ..	(e) ..	354	..	..	354	1,370	12,846	10,379	..	10,045
..	28	7,783	20	..	7,849	4,753	26,915	31,251	..	24,835
Do. West ..	(f) ..	..	..	..	..	..	762	..	..	(g) 191
..	..	..	..	..	..	..	..	..	..	(h) 230
Total ..	5,993	57,620	37,998	..	75,348	17,323	147,539	229,147	..	1,34,641

Notes for First Circle. —

S = Sheep.

G = Goats.

* Sale-proceeds of fodder grass.

† Sale-proceeds of mangrove leaves.

† Revenue from forests handed over to panchayat management.

(1) The full rates are 6 annas per buffalo, 3 annas per cow or bullock and 1 anna 6 pies per sheep.

(2) The enhanced or special rates are— (a) Re. 1 per buffalo, 8 annas per cow or bullock and 4 annas per sheep.

(b) 12 annas per buffalo, 6 annas per cow and 3 annas per sheep.

(c) 8 annas per buffalo, 4 annas per cow or bullock and 2 annas per sheep.

(d) Re. 1 per plough bull.

(3) The privileged rates are—

(e) 4 annas per buffalo, 2 annas per cow or bullock and 1 anna per sheep.

(f) 1 anna per buffalo, cow or bullock.

Return of grazing in the

District.	Grazing on payment.									
	At enhanced or special rates.					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and Sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and Sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
THIRD CIRCLE.										
Cuddapah, North	..	(a) 6,768	..	..	6,768	4,701	12,081	48,433	..	8,589
Do. South	..	(a) 1,992	..	..	1,992	285	15,711	12,556	..	4,230
Do. West	..	(a) 6,446	..	..	6,446	2,786	23,623	65,114	..	11,578
Nellore	(f) 44	787	95	..	900	..	..	..	..	2
Chingleput .. ..	..	..	..	..	..	..	..	..	..	1,438
Chittoor	(h) 100 (i) 1,038	1,585 62,457	102 24,035	..	1,836 38,275	..	..	21	..	1,092
Vellore, North	(i) 361	84,850	23,902	..	23,762	32	935	..	..	78,830
Total ..	1,543	114,885	48,134	..	79,979	7,804	52,350	126,124	..	23,759
FOURTH CIRCLE.										
Vellore, South .. ..	..	..	..	..	..	(a) 65 (b) 249	5,736 24,564	3,183 6,774	..	7,458 14,224
Do. West .. ..	..	..	..	..	..	(a) .. (b) 204 (c) .. (d) .. (e) .. (f) ..	11,802 22,924 422 5,859 625	.. 774 .. 2,737 ..	..	11,802 11,860 158 3,443 158
Do. North .. ..	..	..	..	..	..	(n) 50 (o) 121 (p) 162	2,762 4,375 31,029	4,438 1,022 2,561	..	(i) + 1 958 5,128 18,356
Do. Central .. ..	..	..	..	..	..	..	..	..	..	(h) 8,511 (j) 706 (k) 4 (l) 12 (m) - 164
Do. South .. ..	..	..	..	..	..	(m) 793 (n) 4 (o) .. (p) 256	34,239 12,450 36,701	596 2,695 ..	..	17,863 7,765 18,350 2,719
Total ..	..	..	..	..	..	..	..	..	..	(k) 14 (l) + 229 2,593
Do. South .. ..	..	..	..	..	..	(d) .. (e) 15 (f) 867	6,827 12,207 3,354	177 22,250 5,329	..	13,141 1,266 (n) - 8
Total ..	..	..	..	..	..	2,286	215,876	66,011	..	1,46,545

Notes for Third Circle.—

Notes.—The full rates are 6 annas per buffalo, 3 annas per cow, bullock or other animal and 1½ annas per sheep.

Cuddapah, North.—(a) Rupee 1 per cow.
(b) Penning licence fees.
(c) Privileged rates—1 anna per cow and 6 pies per sheep.
Do. South.—(a) Rupee 1 per cow.
Do. West.—(a) Rupee 1 per cow.
(d) Panchayat fees.
(e) Privileged rate—1½ annas per cow.
Nellore.—(f) Rupees 1-8-0 per buffalo, 1 rupee per cow and 8 annas per sheep.

Nellore.—(g) Kanoha rent.
Chittoor.—(h) Rupees 2 per buffalo, rupee 1 per cow and 8 annas per sheep.
(i) Rupee 1 per buffalo, 8 annas per cow and 4 annas per sheep.
(j) Royalty on hay.
Vellore, North.—(i) Rupee 1 per buffalo, 8 annas per cow and 4 annas per sheep.
(k) Fees collected for hill village grazing blocks.

State forests during 1921-22—cont.

Number of animals					Grazing free. Number of animals.													
At privileged rates.					By right under settlement.					During pleasure of Government or otherwise than under settlement.					Total value of fees at full rates.		Grand total of value at full rates.	
Buffaloes.	Cows and bullocks.	Goats and Sheep.	Other animals.	Fees received.		Buffaloes.	Cows and bullocks.	Goats and Sheep.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and Sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.		Total value of fees at full rates.
				Actual.	Value at full rates.													
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	
..	(a) 200	330	..	Rs. 28	Rs. 68	..	..	..	..	..	190	45	850	..	159	159	15,590
..	..	..	..	..	..	..	461	..	..	86	..	..	..	..	..	..	6,335
..	(e) 260	..	..	24	49	..	..	..	..	..	..	..	..	..	..	..	19,513
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	75,322
..	..	..	..	..	..	..	..	..	..	..	..	81	..	..	15	15	25,658
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40,342
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	27,482
..	460	330	..	47	117	..	461	..	..	86	190	126	850	..	174	174	2,10,242
(n) 1,451	7,396	183	..	{ 1,948 (o) 3,403 }	{ 5,195 9,075 }	..	..	..	..	..	..	..	..	..	..	..	35,952
(m) 1,665	7,678	1,156	..	2,116	5,643	..	..	..	..	..	..	..	..	..	..	..	34,016
(b) ..	472	60	..	251	502	..	..	..	..	..	..	..	..	..	..	..	..
(n) 20	1,718	..	..	329	987	..	..	..	..	..	..	..	..	..	..	..	45,514
..	..	..	..	(o) 4,452	11,472	..	..	..	..	..	..	..	..	..	..	..	17,863
..	..	..	..	..	..	..	..	..	..	..	..	190	..	..	95	95	29,172
..	..	..	..	(o) 8,885	23,693	..	..	..	..	..	..	..	..	..	..	..	40,690
3,031	17,162	1,399	..	2,1384	56,567	..	..	..	..	..	..	190	..	..	95	95	2,03,207

Note for Fourth Circle.—

1 buffalo = 2 cows = 4 sheep.

- (a) Rupee 1 per cow unit.
- (b) 3 annas per cow unit.
- (c) Panchayat fees.
- (d) 6 annas per cow unit.
- (e) 8 annas per cow, 12 annas per buffalo and 3 annas per sheep.
- (f) 4 annas per cow unit.
- (g) 9 annas per cow unit.
- (h) Grazing lease amount.

- (i) Grazing fees realized in Tanjore district.
- (j) Grazing assessment in the chitteris and Atur ka-royans.
- (k) Penning fees.
- (l) Added or subtracted to tally with Accountant-General's audited figures.
- (m) 12 annas a buffalo, 8 annas a cow and 4 annas a sheep.
- (n) 3 annas per cow unit.

Return of grazing in the

District.	Grazing on payment.									
	At enhanced or special rates					At full rates.				
	Buffaloes.	Cows and bullocks.	Goats and Sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and Sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
FIFTH CIRCLE.										
					rs.					rs.
Kollegal	(a) 3,102	(a) 62,285	(a) 1,866	..	34,711	..	..	..	..	..
Coimbatore, North ..	(a) 4,522	(a) 69,163	(a) 20,799	..	44,303	..	..	..	..	..
	..	(b) 1,647	(b) 956	..	2,125					
Do South ..	(b) 73	(b) 305	..	..	(g) 1,831	..	..	..	..	..
	(a) 54	(a) 6,319	(a) 162	..	451					
Madura	(a) 216	(a) 4,502	(a) 2,843	(c) 270	(g) 485	..	..	..	..	..
	(a) 23	(a) 11,517	(a) 1,004	..	1,656					
Tinnevely	(a) 10	(a) 13,388	..	..	6,033	..	..	..	..	..
	(a) 427	(a) 9,970	(a) 3,601	..	10,056					
	..	..	..	..	(g) 2,780	131	5,561	16,045	..	2,596
Total ..	8,427	1,79,096	31,231	270	1,14,593	131	5,561	16,045	..	2,596
SIXTH CIRCLE.										
<i>Reserved forests.</i>										
Mangalore, North ..	(a) 1,261	12,351	..	..	5,420	..	..	..	..	..
Do. South ..	(a) 2,030	13,935	..	..	6,494	..	..	..	..	..
Wynaad	(b) 2,365	4,420	..	..	4,575	..	..	..	..	..
Nilambur	(c) ..	..	..	..	..	..	..	..	..	..
The Nilgiris .. ..	..	(b) 529	36	..	274	12,113	17,721	1,782	..	5,072
Palghat.. ..	..	(b) 625	180	..	715	(k) 158	(k) 106	..	..	(f) 92
	(d) 29	5,350	1,200	..	3,019	..	..	..	..	(f) 145
Total ..	5,685	37,240	1,416	..	20,497	12,271	17,827	1,782	..	12,751
<i>Reserved lands.</i>										
The Nilgiris .. ..	..	(b) 634	..	..	817	143	503	..	..	148
Total, VI Circle ..	5,685	37,874	1,416	..	20,814	12,414	18,330	1,782	..	12,899
Grand total, Presidency ..	42,142	422,139	120,743	270	3,18,908	52,575	494,842	455,066	..	4,47,093

Note for Fifth Circle.—

The figures given in columns 4, 9 and 11 denote sheep.

Full rates.—As. 6 per buffalo, As. 3 per cow or bullock and As. 1-6 per sheep.

(a) Rs. 1 per buffalo, As. 8 per cow or bullock and As. 4 per sheep.

(b) Rs. 2 per buffalo, Re. 1 per cow or bullock and As. 8 per sheep.

(c) As. 8 per buffalo, As. 4 per cow or bullock, As. 2 per sheep and As. 4 per other animal.

(d) Rs. 1-8-0 per buffalo, As. 12 per cow or bullock and As. 6 per sheep.

(e) Sale-proceeds of fodder grass.

(f) Value of permits exchanged.

(g) Revenue from forests handed over to panchayat management.

Note for Sixth Circle.—

* Full rates.—Buffaloes As. 6, cows As. 3 and sheep As. 1-6.

(a) Buffaloes As. 10 and cows As. 6.

(b) Buffaloes Re. 1, cows As. 8 and sheep As. 4.

(c) No grazing allowed in the district.

(d) Buffaloes Rs. 2, cows Re. 1 and sheep As. 8.

(e) 2,750 cows for 2 days at 6 As. per 100 per day.

22,527 sheep for 2 days at 3 As. per 100 per day.

300 sheep for 3 days at do. do.

1,475 sheep for 1 day at do. do.

(f) Lease amount of fodder grass.

(g) Revenue from forests under panchayat management

(h) Elephant.

(i) Calves—half rates.

State forests during 1921-22--cont.

Number of animals.						Grazing free. Number of animals											Grand total of value at full rates.
At privileged rates.						By right under settlement.					During pleasure of Government or otherwise than under settlement.					Total value of fees at full rates.	
Buffaloes. (12)	Cows and bullocks. (18)	Goats and Sheep. (14)	Other animals (15)	Fees received.		Buffaloes. (18)	Cows and bullocks. (19)	Goats and Sheep. (20)	Other animals. (21)	Value of fees at full rates (22)	Buffaloes. (23)	Cows and bullocks. (24)	Goats and Sheep. (25)	Other animals. (26)	Value of fees at full rates. (27)			Total value of fees at full rates. (28)
				Actual. (16)	Value at full rates. (17)												
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34,711
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	43,255
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,265
..	..	..	..	..	..	..	..	..	..	618	4,554	435	..	1,502	..	..	22,027
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	9,433
..	..	..	..	..	..	..	..	..	..	618	4,554	435	..	1,502	..	..	1,18,691
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,420
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6,494
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4,665
..
..	2,750	24,302	..	(e) 110	(e) 2,794	..	..	..	..	80	..	..	..	30	2,824	11,262	
..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	8,321
..	2,750	24,302	..	110	2,794	..	..	..	..	80	..	..	1	120	2,914	36,162	
..	..	..	..	..	..	..	..	..	..	1,788	113	..	..	691	691	1,156	
..	2,750	24,302	..	110	2,794	..	..	..	..	1,868	113	..	1	811	3,606	37,318	
10,074	77,726	32,547	..	30,073	73,482	1754	2,881	5,700	..	5,745	7,944	57,259	1,326	114,363	20,108	8,54,591	

Abstract of animals permitted to grazing on payment in reserved forests and reserved lands in the Presidency.

Circle.	Buffaloes.	Bullocks and cows.	Sheep.	Other animals.	Total.
First Circle	40,149	144,904	24,437	..	209,490
Second "	23,316	205,459	267,145	..	495,920
Third "	9,847	167,695	174,588	..	361,630
Fourth "	5,322	233,038	67,410	..	305,770
Fifth "	8,568	184,657	47,276	270	240,761
Sixth "	18,099	53,954	27,500	..	104,553
Grand total	104,791	994,707	608,356	270	1,708,124

ANNUAL FORM No. 75.

Forest Department, Madras Presidency.

Area under artificial reproduction, 1921-22.

District.	Area in acres.				Expenditure during the year.		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.
	On 1st April 1921.	Added during the year.	Excluded during the year.	Area on 31st March 1922.	Creation.	Upkeep.	Creation.	Upkeep.		
FIRST CIRCLE.										
A.—Regular Plantations.										
	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
Visagapatam ..	51	..	..	51	..	120	2	(a) 2,208	75	(a) 5,189
Godavari, Lower ..	114	..	38	76	..	72	31,150	15,645	5,048	(a) 84,983
Kistna ..	39	..	5	34	..	114	1,785	7,732	562	4,215
Total ..	204	..	43	161	..	306	32,887	25,583	5,685	94,387
B.—Taungya Plantations.										
Ganjam ..	2	..	..	2	..	..	3	..	..	..
Godavari, Upper ..	43	74	..	117	423	..	659	..	..	..
Total ..	45	74	..	119	423	..	662	..	..	..
C.—Cultural Operations.										
Ganjam ..	111	10	..	121	200	202	275	896	..	..
Visagapatam ..	28	11	23	16	6	..	(b) 226	..	..	..
Godavari, Upper ..	22	2	..	24	9	1	110	1	..	..
Do. Lower ..	2,553	56	..	2,609	218	..	3,024	1,022	..	..
Kistna ..	102	10	8	104	127	94	706	152	..	719
Total ..	2,816	89	31	2,874	560	297	4,841	2,081	..	719
Grand total ..	3,065	163	74	3,154	933	603	37,890	27,664	5,685	95,106
SECOND CIRCLE.										
A.—Regular Plantations.										
Bellary ..	579	..	..	579	..	260	9,423	63,346	191	6,765
Guntur ..	569	..	419	150	..	..	(c) 11,195	(c) 7,866	1,368	(c) 6,155
Kurnool, East ..	130	..	..	130	..	..	38,471	26,045	..	..
Do. West ..	1,430	..	..	1,430	..	909	2,94,254	67,681	637	19,240
Total ..	2,708	..	419	2,289	..	1,169	3,51,343	1,64,838	2,196	32,160
B.—Taungya Plantations—Nil.										
C.—Cultural Plantations.										
Bellary ..	6,790	..	..	6,790	..	..	27,981	3,008	..	..
Anantapur ..	140	28	8	160	135	..	(d) 498	80	..	..
Guntur ..	..	..	..	..	..	..	1,844	6	..	..
Kurnool, East ..	536	195	..	731	807	..	11,752	3,561	..	..
Do. South ..	527	..	..	527	165	..	5,465	1,765	..	..
Do. West ..	5,302	706	..	6,008	1,532	615	(e) 25,006	3,757	..	..
Total ..	13,295	929	8	14,216	2,639	615	72,546	12,175	..	..
THIRD CIRCLE.										
A.—Regular Plantations.										
Cuddapah, North ..	10	..	..	10	..	..	560	..	..	..
Do. South ..	38	..	..	38	..	237	23	(f) 1,258	1,714	6,852
Do. West ..	..	..	..	..	..	..	..	..	..	..
Nellore ..	1,680	..	..	1,680	..	45	1,56,709	17,299	23,395	3,07,139
Chingleput ..	..	..	..	..	..	..	..	..	..	..
Chittoor ..	61	..	..	61	..	508	..	2,546	..	51
Vellore, North ..	325	..	..	325	..	1,701	24,287	1,42,052	2,024	94,186
Total ..	2,114	..	..	2,114	..	2,491	1,81,579	1,63,155	26,133	4,08,228

(a) Revised figures furnished by the District Forest Officer.

(b) Excludes figures on areas abandoned.

(c) The figures shown in columns 8, 9 and 10 exclude amounts relating to the areas excluded last year.

(d) Revised figures (due to wrong totals reported in 1920-21).

(e) Wrong total last year.

(f) Revised figure.

Area under artificial reproduction, 1921-22—cont.

District.	Area in acres.				Expenditure during the year.		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.
	On 1st April 1921.	Added during the year.	Excluded during the year.	Area on 31st March 1922.	Creation.	Upkeep.	Creation.	Upkeep.		

THIRD CIRCLE—cont.

B.—Taungya Plantations—Nil.

O.—Cultural Operations.

	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..
Do. South ..	51	..	(a) 51	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..
Nellore ..	(b) 416	..	..	416	..	..	2,767	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..
Chittoor ..	4,539	1,480	239	5,780	2,504	603	(b) 4,990	(b) 1,524	..	..
Vellore, North ..	1,537	129	..	1,666	795	..	1,734	154	..	579
Total ..	6,543	1,609	290	7,862	3,299	603	9,491	1,678	..	579
Grand total ..	8,667	1,609	290	9,976	3,299	3,094	1,91,070	1,64,833	26,133	4,08,807

FOURTH CIRCLE.

A.—Regular Plantations.

Vellore, South ..	92	5	..	97	178	510	3,102	1,203	40	5,680
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B.—Taungya Plantations.

Vellore, South ..	8	8	50
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O.—Cultural Operations.

Vellore, South ..	23,127	3,927	..	27,054	289	..	1,502
Do. West ..	1,141	1,141	137
Salem, East ..	13,919	645	..	14,464	207	39	3,389	3,572	..	..
Do. Central ..	1,563	668	50	2,181	342	141	10,136	544	..	..
Do. South ..	302	..	302	..	..	..	63	..	..	..
Total ..	40,052	5,140	352	44,840	838	180	15,227	4,116	..	..
Grand total ..	40,152	5,145	352	44,945	1,016	690	18,379	5,319	40	5,680

FIFTH CIRCLE.

A.—Regular Plantations.

Coimbatore, South ..	81	133	..	214	2,141	1,086	3,510	1,861	..	..
Madura ..	1,446	69	..	1,515	2,473	164	67,021	8,867	87	9,611
Tinnevely ..	5,362	..	..	5,362	9	44	7,929	3,292	2,725	24,605
Total ..	6,889	202	..	7,091	4,623	1,294	78,460	14,020	2,812	34,216

B.—Taungya Plantations.

Tinnevely ..	23	23	..	99	47	237
--------------	----	----	----	----	----	----	----	-----	----	----

O.—Cultural Operations.

Kollegal ..	363	(a) 121	..	484	..	..	1,003	196	..	..
Coimbatore, North ..	1,044	12	(a) 121	935	158	135	(a) 3,001	983	..	..
Do. South ..	46	5	..	51	140	27	(a) 399	(d) 161	..	..
Tinnevely ..	4,599	311	..	4,910	1,454	466	7,232	7,199	60	215
Total ..	6,052	449	121	6,380	1,752	628	11,635	8,489	60	215
Grand total ..	12,964	651	121	13,494	6,375	2,021	96,142	22,746	2,872	34,431

SIXTH CIRCLE.

A.—Regular Plantations.

Mangalore, North ..	..	..	..	..	..	..	..	..	..	..
Do. South ..	52	..	..	52	..	..	10,357	..	..	516
Wynaad ..	379	14	..	393	552	858	(a) 16,543	21,884	1,035	15,696
Nilambur ..	6,881	21	..	6,902	7,795	6,040	5,88,393	5,79,629	2,64,222	41,64,727
The Nilgiris ..	1,743	92	..	1,835	3,551	701	10,013	3,15,467	33,137	8,91,052
Palghat ..	..	..	..	..	..	..	..	..	..	..
Total ..	9,055	127	..	9,182	11,905	7,599	6,30,306	9,16,980	2,98,394	50,71,991

(a) Burnt by forest fires. (b) Revised figure.
 (c) Particulars relating to Bargur range transferred from North Cambatore to Kollegal.
 (d) Rs. 36 expenditure under creation was wrongly included by the District Forest Officer under cost of upkeep in the return of last year.
 (e) Revised figure furnished by the District Forest Officer.

Area under artificial reproduction, 1921-22—cont.

District.	Area in acres.				Expenditure during the year.		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.
	On 1st April 1921.	Added during the year.	Excluded during the year.	Area on 31st March 1922.	Creation.	Upkeep.	Creation.	Upkeep.		
SIXTH CIRCLE—cont.										
<i>B. Taungya Plantations.</i>										
Mangalore, South ..	ACS. 57	ACS. ..	ACS. ..	ACS. 57	RS. ..	RS. 75	RS. 37	RS. 75	..	..
Wynaad ..	635	..	..	635	..	..	..	10,895	..	..
The Nilgiris ..	32	..	..	32	..	338	504	4,771	..	..
Palghat ..	54	..	..	54	..	105	..	234	..	..
Total ..	778	..	..	778	..	518	541	15,975	..	..
<i>C. Cultural Operations.</i>										
Mangalore, North ..	583	1,270	143	1,710	1,839	93	3,410	107	..	..
Do. South ..	1,069	610	..	1,679	1,974	1,018	5,998	1,618	..	..
Wynaad ..	4,602	15	..	4,617	804	..	5,608	8,598	..	..
Nilambur ..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	45	..	..	45	797	18	1,024	18	..	..
Palghat ..	583	217	242	558	6,813	164	* 10,720	1,361	..	..
Total ..	6,882	2,112	885	8,609	12,227	1,293	26,760	11,102	..	..
Grand total, Regular Plantations.	21,062	334	462	20,934	16,709	13,369	12,67,677	12,85,779	3,35,260	56,46,662
Taungya Plantations.	854	74	..	928	423	617	1,300	16,212	..	..
Cultural Operations.	75,640	10,328	1,187	84,781	21,315	3,616	1,40,000	39,641	60	1,518
Grand total for the Presidency.	97,556	10,736	1,649	106,643	38,447	17,602	14,08,977	13,41,632	3,35,320	56,48,175

* Excludes Rs. 167 on account of 242 acres excluded during the year.

ANNUAL FORM No. 76.

Forest Department, Madras Presidency.

Outturn (in thousands of cubic feet solid) of timber and fuel during the year 1921-22
and agency of exploitation.

Outturn (in thousands of cubic feet solid) of timber and fuel

Division.	Timber in the rough logs.					Timber in the rough poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
(In thousands of cubic feet.)															
FIRST															
I. Reserved															
Ganjam	185	84	22	..	291	3	81	..	..	39	..	..	4	..	4
Vizagapatam	1	1	..	..	2	..	2	..	..	2	..	..	..	..	..
Godavari, Upper	10	..	..	..	10	2	..	..	..	2	..	..	..	..	..
Do. Lower	6	36	..	..	42	..	..	..	..	..	..	..	..	..	..
Kistna .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	202	121	22	..	345	10	33	..	..	43	..	..	4	..	4
II. Leased															
III. Reserved															
IV. Unreserved															
Ganjam	3	30	6	..	39	..	..	..	..	..	..	..	..	..	..
Vizagapatam .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Godavari, Upper	10	1	..	..	11	1	10	..	..	11	..	..	..	..	..
Do. Lower .. .. .	..	105	20	..	125	..	1	..	..	1	..	5	..	..	5
Kistna .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	13	136	26	..	175	1	11	..	..	12	..	5	..	..	5
Grand total	215	257	48	..	520	11	44	..	..	55	..	5	4	..	9
SECOND															
I. Reserved															
Bellary .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur .. .. .	..	22	..	..	22	..	..	..	..	..	..	..	..	..	..
Guntur .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East	2	3	..	..	5	1	..	1	..	2	6	..	..	..	6
Do. South	4	67	..	..	71	1	10	1	..	12	..	..	..	..	..
Do. West †	16	..	..	..	16	80	..	3	..	83	2	..	..	..	2
Total	22	92	..	..	114	82	10	5	..	97	8	..	..	..	8
II. Leased															
III. Reserved															
IV. Unreserved															
Bellary .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Bellary .. .. .	..	..	..	..	..	..	35	..	..	35	..	..	..	..	..
Anantapur .. .. .	..	118	4	..	117	..	..	..	..	..	..	..	..	..	..
Guntur .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South .. .. .	..	62	..	..	62	..	..	..	..	..	..	..	..	..	..
Do. West ‡ .. .. .	..	71	..	..	71	..	..	..	..	..	..	..	..	..	..
Total .. .. .	..	246	4	..	250	..	35	..	..	35	..	..	..	..	..
Grand total	22	338	4	..	364	82	45	5	..	132	8	..	..	..	8
THIRD															
I. Reserved															
Cuddapah, North .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chittoor .. .. .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, North .. .. .	..	2	..	..	3	..	..	..	..	..	..	..	..	..	..
Total .. .. .	..	3	..	..	3	..	..	..	..	..	..	..	..	..	..

Note for the First Circle.

REMARKS.—The figures are actuals except in the following cases:—

- (1) *Ganjam*—Unreserved lands—Column 3.—This includes an estimated quantity of 10,160 cubic feet arrived at by conversion of value at 20 cubic feet per rupee realised by the Revenue department.
- (2) *Godavari, Lower*—Unreserved lands—Column 3.—This includes 25,000 cubic feet of timber obtained by conversion of sale amount into outturn at one cubic foot per one anna.
- (3) *Kistna*—Unreserved lands—Column 3.—Estimate calculated at one cubic foot per one anna on the value realised and two annas per cubic foot in case of palmyra trees granted free.

Note for Second Circle.

- (1) *Bellary*—The figure in column 8 under "Unreserved lands" is an estimate worked on the revenue under II (a) from unreserved lands. Two-thirds of the revenue was taken to first class timber and one-third to second class timber and the quantity in cubic feet was arrived at by calculating at Re. 0-4-0 per cubic foot for the former and Re. 0-2-0 per cubic foot for the latter as was done in previous years.
- (2) *Anantapur*—Timber is taken at Re. 2-8-0 a cart-load = 20 cubic feet and fuel at Re. 1-4-0 a cart-load = 40 cubic feet.

* Actuals furnished from coupe contractor's accounts.
 (a) Actuals estimates.

† Actuals.

‡ Actuals from coupe contractor's accounts.
 § Compiled from taluk chitta figures.

FORM No. 76.

Madras Presidency.

during the year 1921-22 and agency of exploitation.

Miscellaneous.					Total timber.					Fuel.					Total outturn.
Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	
(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)

CIRCLE.

Forests. (In thousands of cubic feet.)

..	..	..	..	..	193	115	26	..	334	135	233	81	..	449	783
7	..	..	..	7	1	3	..	..	4	4	179	..	..	183	187
..	..	..	..	..	19	..	..	..	19	..	..	..	..	..	19
..	..	..	..	..	6	36	..	..	42	23	1,297	..	..	1,320	1,362
..	1	..	..	1	..	1	..	..	1	11	484	..	..	495	496
7	1	..	..	8	219	155	26	..	400	173	2,193	81	..	2,447	2,847

Forests—Nil.

Lands—Nil.

Lands.

..	..	..	..	..	3	30	6	..	39	2	128	..	..	130	169
1	41	1	..	43	1	41	1	..	43	..	31	..	..	31	74
6	15	4	..	25	17	26	4	..	47	5	40	..	..	45	92
..	..	..	..	..	..	111	20	..	131	2	729	..	..	731	862
..	35	30	..	65	..	35	30	..	65	..	86	..	..	86	151
7	91	35	..	133	21	243	61	..	325	9	1,014	..	..	1,023	1,348
14	92	35	..	141	240	398	87	..	725	182	3,207	81	..	3,470	4,195

CIRCLE.

Forests.

..	..	..	..	..	..	..	..	..	..	16	208	..	..	224	224
1	12	..	..	13	1	22	..	..	22	..	76	..	..	76	98
..	..	..	..	..	9	12	..	..	13	5	140	..	..	145	158
..	..	..	..	..	6	3	1	..	13	64	3	..	..	67	80
1	..	1	..	2	6	77	2	..	85	..	102	..	..	102	187
..	..	..	..	..	98	..	3	..	101	1,863	46	..	..	1,909	2,010
2	12	1	..	15	114	114	6	..	234	1,948	575	..	..	2,523	2,757

Forests—Nil.

Lands.

..	..	..	..	..	..	..	..	..	..	..	9	..	..	9	9
..	..	..	..	..	..	35	..	..	35	..	128	..	..	128	163
..	..	..	..	..	..	113	4	..	117	..	68	..	..	68	185
..	40	(a) 8	..	48	..	40	8	..	48	..	130	..	..	180	178
..	11	2	..	13	..	11	2	..	13	..	5	..	..	5	18
..	..	..	..	..	..	62	..	..	62	..	33	..	..	33	95
..	..	..	..	..	..	71	..	..	71	..	30	..	..	30	101
..	51	10	..	61	..	333	14	..	346	..	394	..	..	394	740
2	63	11	..	76	114	446	20	..	580	1,948	978	..	..	2,926	3,506

CIRCLE.

Forests.

1	40	..	..	41	1	40	..	..	41	..	728	..	..	728	769
5	82	3	..	40	5	32	3	..	40	73	1,178	..	..	1,251	1,291
1	18	8	..	27	1	18	8	..	27	2	513	..	..	515	542
1	..	..	..	1	1	..	..	..	1	20	1,652	..	..	1,672	1,673
..	..	..	..	..	..	..	..	..	..	1	139	..	..	140	140
1	52	..	..	53	1	52	..	..	53	51	938	..	..	992	1,045
..	..	..	..	..	..	3	..	..	3	2	204	..	..	206	209
9	112	11	..	162	9	145	11	..	165	152	5,352	..	..	5,504	5,839

Note for the Third Circle.

Ouddapah, West.— { Reserved forests.—Actuals.
 Unreserved lands.—Estimated at 1 anna per cubic foot of timber and 3 pies per cubic foot of dead wood.

Ohinglogut — { Reserved forests.—Actuals.
 Unreserved lands.—Free grants of timbers are actuals. Timber and fuel by purchasers are based on money value.

Vallora, North.— { Timber.—Re. 0-2-0 per cubic foot.
 Fuel.—Re. 0-1-0 do.
 Palmyra tree.—25 = cubic feet.

Outdoor.—All figures in this statement except those under purchasers' Timber and fuel against unreserves are actuals. The excepted items are estimates calculated on the money value obtained from sale of trees on darkhast lands at 1 anna per cubic foot of timber and 3 pies per cubic foot of fuel.

Outturn (in thousands of cubic feet, solid) of timber and fuel

Division.	Timber in the rough logs.					Timber in the rough poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)

(In thousands of cubic feet.)

																THIRD
																II. Leased
																III. Reserved
																IV. Unreserved
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chittoor ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand total ..	..	3	..	..	3	..	..	..	..	..	..	..	..	..	..	..

																FOURTH
																I. Reserved
Vellore, South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, East ..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. North ..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	6
Do. Central ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
Total ..	1	6	..	..	7	..	..	..	..	..	7	..	..	..	..	7

																FOURTH
																II. Leased
																III. Reserved
																IV. Unreserved
Vellore, South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. North ..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1
Do. Central ..	..	..	..	..	..	..	..	1	1	..	2	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	1	1	..	2	1	..	..	..	..	1
Grand total ..	1	6	..	..	7	..	1	1	..	2	8	..	..	..	..	8

																FIFTH
																I. Reserved
Kollegal ..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North ..	..	2	..	..	..	..	..	..	..	..	7	..	..	..	..	7
Do. South ..	..	6	..	..	..	..	..	..	..	..	28	2	..	..	..	30
Madura ..	..	4	..	..	..	..	..	..	..	..	..	1	..	..	..	1
Tinnevely ..	..	..	33	..	..	..	2	..	..	2	..	..	..	..	..	..
Total ..	13	33	..	..	46	..	2	..	..	2	35	3	..	..	..	38

																II. Leased
																III. Reserved
																IV. Unreserved
Coimbatore, South ..	117	..	..	..	117	..	..	..	..	..	..	..	..	..	..	..

																FIFTH
																I. Reserved
Kollegal ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North ..	..	..	42	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	7	11	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevely ..	..	..	..	..	18	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	49	11	..	60	..	..	..	..	..	..	..	..	..	..	..
Grand total ..	130	82	11	..	223	..	2	..	..	2	35	3	..	..	..	38

Notes for the Fourth Circle.

Removals by Government Agency.—Actuals.
(Sandalwood—Factor of conversion 1 ton = 40 cubic feet.)

Free grants—Actuals.

Purchasers—timber and fuel.—Estimate based on money value collected.

Notes for the Fifth Circle.

Reserved and leased forests.—The figures given are actuals.

Unreserved lands.—Estimate based on money value collected.

FOREST DEPARTMENT

XXXVII

during the year 1921-22 and agency of exploitation--cont.

Miscellaneous.					Total timber.					Fuel.					Total outputs.
Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	
(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)

CIRCLE--cont.

Forests--Nil.

(In thousands of cubic feet.)

Lands--Nil.

Lands.

..	2	..	..	2	..	2	..	..	2	..	82	..	..	82	84
..	2	..	..	2	..	2	..	..	2	..	4	..	..	4	6
..	24	..	..	24	..	24	..	..	24	..	430	..	..	430	464
..	55	8	..	63	..	55	8	..	63	..	47	..	..	47	110
..	37	3	..	40	..	37	3	..	40	..	229	..	..	229	269
..	241	14	..	255	..	241	14	..	255	..	543	..	..	543	798
..	126	23	..	149	..	126	23	..	149	..	65	..	..	65	212
..	487	48	..	535	..	487	48	..	535	..	1,398	..	..	1,398	1,983
9	629	59	..	697	9	632	59	..	700	152	6,750	..	..	6,902	7,602

CIRCLE.

Forests.

3	5	..	..	8	3	5	..	..	8	1	248	..	..	249	257
2	..	..	..	2	3	6	..	..	9	1	96	..	..	97	103
1	..	..	..	1	1	..	..	..	1	..	97	..	..	97	98
..	..	..	..	..	6	..	..	..	6	1	54	..	..	55	41
..	..	..	..	..	..	..	..	..	..	..	90	..	..	90	90
..	1	..	..	1	1	1	..	..	2	8	185	..	..	193	195
6	6	..	..	12	14	12	..	..	26	11	770	..	..	781	807

Forests--Nil.

Lands--Nil.

Lands.

..	106	5	..	111	..	106	5	..	111	..	57	..	..	57	168
..	23	1	..	24	..	23	1	..	24	..	8	..	..	8	82
..	159	2	..	161	..	159	2	..	161	..	186	..	..	186	347
..	51	11	..	62	..	51	11	..	63	..	64	..	..	64	127
..	85	..	..	85	..	85	..	..	87	..	13	..	..	13	100
..	243	2	..	245	..	243	2	..	245	..	122	..	..	122	367
..	667	21	..	688	1	668	22	..	691	..	450	..	..	450	1,141
6	673	21	..	700	15	680	22	..	717	11	1,220	..	..	1,231	1,948

CIRCLE.

Forests.

2	1	..	..	3	3	1	..	..	4	..	262	..	..	262	266
..	..	..	..	..	9	..	..	..	9	..	692	..	..	692	701
2	2	..	..	4	86	4	..	..	40	..	823	..	..	823	363
..	18	18	4	18	22	3	579	582	604
..	36	36	3	538	541	577
4	21	25	52	59	111	6	2,394	2,400	2,511

Forests.

..	117	117	117
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Lands--Nil.

Lands.

..	254	254	..	254	254	..	7	7	261
..	42	42	..	22	22	64
..	232	1	..	233	..	232	1	..	233	..	112	112	345
..	..	..	..	..	..	7	11	..	18	..	77	3	..	80	98
..	486	1	..	487	..	485	12	..	547	..	218	3	..	221	763
4	507	1	..	512	169	594	13	..	775	6	2,612	3	..	2,621	3,396

Outturn (in thousands of cubic feet solid) of timber and fuel

Division (1)	Timber in the rough logs.					Timber in the rough poles.					Sawn or square timber.				
	Government. (2)	Purchasers. (3)	Free-grantees. (4)	Right-holders. (5)	Total. (6)	Government. (7)	Purchasers. (8)	Free-grantees. (9)	Right-holders. (10)	Total. (11)	Government. (12)	Purchasers. (13)	Free-grantees. (14)	Right-holders. (15)	Total. (16)
(In thousands of cubic feet.)															
SIXTH															
I. Reserved															
Mangalore, North ..	25	..	..	..	25	..	..	..	..	..	..	..	..	..	..
Do. South ..	21	1	..	..	22	..	..	..	..	..	2	..	..	..	2
Wynad ..	..	..	..	..	..	4	..	..	..	4	77	30	..	..	107
Nilambur (a) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..
Palghat ..	103	8	..	..	111	..	..	..	..	..	..	..	..	..	..
Total ..	149	9	..	..	158	4	1	..	..	5	79	30	..	..	109
II. Leased															
Nilambur (a) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
III. Reserved															
The Nilgiris ..	..	..	..	..	..	49	..	..	..	49	5	..	..	..	5
IV. Unreserved															
Mangalore, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wynad ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nilambur (a) ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palghat ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, VI Circle ..	149	9	..	..	158	53	1	..	..	54	84	30	..	..	114
Grand Total, Presidency.	617	695	63	..	1,275	146	93	6	..	245	135	38	4	..	177

Notes for Sixth Circle.

Reserved forests and lands :—

Government Agency.—Actuals.

Purchasers—Timber.—Actuals. Fuel based on contractor's accounts.

Unreserved lands.—Estimates based on money value.

(a) Figures not available, owing to the destruction of records during the Mappilla rebellion.

during the year 1921-22 and agency of exploitation—cont.

Miscellaneous.					Total timber.					Fuel.					Total output.
Government. (17)	Purchasers. (18)	Free-grantees. (19)	Right-holders (20)	Total. (21)	Government. (22)	Purchasers. (23)	Free-grantees. (24)	Right-holders. (25)	Total. (26)	Government. (27)	Purchasers. (28)	Free-grantees. (29)	Right-holders. (30)	Total. (31)		(32)

CIRCLE.

Forests.

(In thousands of cubic feet).

..	..	..	..	..	25	..	..	..	25	64	470	..	..	534	559
..	..	..	..	..	23	1	..	..	24	138	43	..	..	179	203
..	8	..	..	8	81	28	..	..	119	..	..	..	..	..	119
..
..	5	..	..	5	..	6	..	..	6	390	198	..	..	588	594
..	..	..	..	..	103	8	..	..	111	70	543	..	..	613	724
..	18	..	..	13	232	53	..	..	285	660	1,254	..	..	1,914	2,199

Forests.

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

Lands.

..	1	1	54	1	55	55
----	---	----	----	---	----	---	----	----	----	----	----	----	----	----	----

Lands.

..	359	1	15	375	..	359	1	15	375	..	286	..	..	286	661
..	45	..	3	48	..	45	..	3	48	..	32	..	..	32	80
..	18	..	..	13	..	13	..	..	13	..	6	..	..	6	19
..
..	6	..	..	6	..	6	..	..	6	..	12	..	..	12	18
..	40	1	..	41	..	40	1	..	41	..	80	..	..	80	121
..	463	2	18	483	..	463	2	18	483	..	416	..	..	416	899
..	477	2	18	497	286	517	2	18	523	640	1,670	..	..	2,330	2,153
35	2,441	129	18	2,623	833	3,267	202	18	4,320	2,959	16,437	84	..	19,480	23,800

ANNUAL REPORT OF THE

ANNUAL FORM No. 77.

Forest Department, Madras Presidency.

Outturn of minor forest produce during the year 1921-22.

Circle.	Description of produce.	Produce removed or utilized				
		By Government agency.	By purchasers.	By free grantees.	By right-holders.	Total.
		Quantity.	Value.	Value.	Value.	Value.
	<i>Reserved Forests.</i>	no.	rs.	rs.	rs.	rs.
	Bamboos	23,531	554	52,390	230	53,174
	Grazing and fodder grass ..	..	..	41,654	11,781	54,027
	<i>Other produce.</i>	qrs.				
	Grass (hay, thatch, korai, etc.)	4,120	25	675	..	700
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	24	27	3,796	..	4,323
	Horns, honey, wax, resin, gum, skins, etc.	..	..	513	..	513
	Tangedu, etc., barks and fibres.	32	..	1,560	..	1,560
	Stone, gravel, earth, etc. ..	35,286	69	731	..	800
	Leaves for platter .. .. .	..	..	1	..	1
	Date and palmyra leaves, stalks, etc.	..	..	19	..	19
	Miscellaneous including tree-tapping and tree-owners' fees.	75	2	14,464	..	14,466
	Total, minor produce ..	39,537	123	21,759	500	22,382
	Total, Reserved forests ..	..	677	1,15,803	12,011	1,29,583
	<i>Reserved lands.</i>	no.				
	Bamboos	400	2	78	..	72
	Grazing and fodder grass ..	..	..	1,112	..	1,112
	<i>Other produce.</i>	qrs.				
	Grass (hay, thatch, korai, etc.)	..	..	1	..	1
	Miscellaneous including tree-tapping and tree-owner's fees.	..	..	26	..	26
	Total, minor produce ..	..	..	27	..	27
	Total, Reserved lands ..	..	2	1,209	..	1,211
	<i>Unreserved lands.</i>	no.				
	Bamboos	6,615	64	32,930	121	33,115
	Grazing and fodder grass ..	..	..	9,466	..	9,466
	<i>Other produce.</i>	qrs.				
	Grass (tharbi, korai, etc.) ..	5,612	21	499	..	520
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	358	361	22,776	..	23,137
	Horns, honey, wax, resin, skins, etc.	..	..	496	..	496
	Tangedu, etc., barks and fibres.	..	..	1,196	..	1,196
	Stone, gravel, earth, etc. ..	337,204	459	1,280	..	1,789
	Leaves for platters .. .. .	..	..	380	..	380
	Date and palmyra leaves, stalks, etc.	..	..	30	64	94
	Manure leaves and thorns ..	400	1	6	..	7
	Miscellaneous, including tree-tapping and tree-owners' fees.	196	7	24,164	..	24,171
	Total, minor produce ..	343,770	849	50,827	64	51,740
	Total, Unreserved lands ..	..	913	93,223	185	94,321
	<i>Abstract for the circle.</i>					
	Bamboos in number	30,546	620	85,390	351	86,361
	Grazing and fodder grass ..	..	..	52,232	11,781	64,005
	Other produce in quarters ..	383,307	973	72,613	64	74,149
	Grand total, First Circle ..	..	1,592	2,10,235	12,196	2,25,115

First Circle

Outturn of minor forest produce during the year 1921-22—cont.

Circle.	Description of produce.	Produce removed or utilized					Total.	
		By Government agency.		By purcha-sers.	By free grantees.	By right-holders.		
		Quan-tity.	Value.	Value.	Value.	Value.		
Second Circle	Bamboos	no.	rs.	rs.	rs.	rs.	rs.	
		639,612	12,181	34,662	163	..	47,006	
	Grazing and fodder grass ..	qrs.	..	2,09,989	..	5,067	2,15,056	
	Grass (hay, thatch and grass) ..	..	..	1,840	30	..	1,870
	Tamarind, soapnuts and nux-vomica.	1,610	1,894	15,295	..	..	17,189
	Stone, gravel and earth ..	..	..	2,045	..	..	2,045
	Date, palmyra and platter leaves.	1,023	282	617	3,659	..	4,558	
	Manure leaves and thorns ..	..	..	2,382	..	..	2,382
	Thumhari leaves .. .. .	..	..	420	..	..	420
	Honey, wax, resin, gum, and galnuts.	..	..	532	..	..	532
	Tangeda bark, fibre and seeds ..	26	3	90,310	..	..	90,313
Miscellaneous, including tree-tapping fees and amaroi.	9,728	8,033	80,674	..	..	88,707	
Total ..	12,337	10,212	1,94,115	3,689	..	2,08,016		
Third Circle	Bamboos	no.	rs.	rs.	rs.	rs.	rs.	
		14,296	133	27,859	892	..	28,384	
	Grazing and fodder grass ..	qrs.	..	2,09,912	174	86	2,10,172	
	Grass (thatch, korai, etc.) ..	qrs.	2,451	225	527	10	..	762
	Honey, wax, etc. .. .. .	..	..	..	..	..	..
	Tangeda, etc. barks	50	263	26,200	..	..	26,463
	Date, palmyra and leaves ..	..	..	2,246	652	..	2,898
	Stones, gravel and earth ..	..	..	6,308	108	..	6,416
	Manure leaves, tooki and plate leaves, etc.	..	..	14,899	..	..	14,899
	Tamarind, soapnuts and nux-vomica.	11,558	63,264	35,300	..	..	98,564
	Other miscellaneous produce, including tree-owners' fees.	2,272	4,518	59,200	..	..	63,718
Total ..	16,331	68,270	1,44,680	770	..	2,13,720		
Total of grass and grazing and minor produce.	no.	16,331	68,270	3,54,592	944	86	4,23,892	
Fourth Circle	Bamboos	no.	rs.	rs.	rs.	rs.	rs.	
		1,645	588	1,03,076	24	..	1,03,688	
	Grass and grazing .. .. .	..	..	1,67,929	95	..	1,68,024
	Grass (thatch, korai, etc.) ..	qrs.	15	19	2,919	2,938
	Tamarind, soapnuts, galnuts, nux-vomica, etc.	..	..	23,165	..	..	23,165
	Avaram, vembadam, barks ..	..	..	25,995	..	..	25,995
	Stone, gravel earth, etc. ..	..	..	7,042	..	..	7,042
	Manure leaves, etc. .. .. .	..	..	30,090	..	..	30,090
	Date, palmyra, etc., leaves ..	..	..	1,416	11	..	1,427
	Honey, wax, etc. .. .. .	..	..	50	..	..	50
	Miscellaneous, including tree-owners' fees.	1,066	551	52,360	..	..	52,911
Total ..	1,081	570	1,43,037	11	..	1,43,618		
Grand total ..	..	1,158	4,14,042	130	..	4,15,330	
Fifth Circle	<i>Reserved forests.</i>		no.	rs.	rs.	rs.	rs.	
	Bamboos	11,979	641	37,343	..	..	37,984
	Grazing and fodder grass ..	..	..	1,17,189	..	1,502	1,18,691

Outturn of minor forest produce, during the year 1921-22—cont.

Circle.	Description of produce.	Produce removed or utilized					Total.
		By Government agency.		By purchasers.	By free grantees.	By right-holders.	
		Quantity.	Value.	Value.	Value.	Value.	
	<i>Other produce.</i>	QRS.	RS.	RS.	RS.	RS.	RS.
	Grass (thatch, korai, etc.) ..	2,400	..	5,676	..	..	5,676
	Dammer, turmeric, pepper, cardamoms, etc.	..	..	14,869	..	..	14,869
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	..	..	18,548	..	..	18,548
	Horns, honey, wax, gum, resin, skin, etc.	162	535	7,755	..	..	8,290
	Avaram, vembadam, etc., barks and fibres.	..	..	19,185	..	..	19,185
	Stones, earth, gravel, etc.	..	..	813	..	..	813
	Manure leaves, thorns, etc.	..	..	2,923	..	..	2,923
	Date and palmyra leaves	..	..	5,270	..	859	6,129
	Miscellaneous .. ..	..	..	10,477	..	..	10,477
	Total ..	2,562	535	85,516	..	859	86,910
Fifth Circle—cont.	<i>Unreserved lands.</i>						
	<i>Other produce.</i>						
	Miscellaneous .. ..	..	..	4,560	..	..	4,560
	Gravel, stones, earth, etc.	..	..	1,569	161	..	1,730
	Date and palmyra leaves	..	..	2	..	..	2
	Total ..	..	..	6,121	161	..	6,282
	<i>Abstract for the Fifth Circle.</i>	no.					
	Bamboos	11,979	641	37,843	..	..	37,984
	Grazing and fodder grass	..	..	1,17,189	..	1,602	1,18,691
	Other produce	2,562	535	91,637	161	859	93,192
	Grand total ..	..	1,176	2,46,169	161	2,361	2,49,867
	<i>Reserved forests.</i>	no.					
	Bamboos	2,011	607	16,968	2	..	17,577
	Grazing and fodder grass	..	..	33,858	120	..	33,478
	<i>Other produce.</i>	QRS.					
	Elephant tusks	5	1,009	..	..	..	1,009
	Grass (thatch, etc.) ..	..	..	105	5	..	110
	Blue gum leaves, seeds, etc.	106	484	50	..	..	534
	Manure leaves .. ..	..	..	348	..	..	348
	Avaram bark .. ..	..	..	550	..	..	550
	Stones, gravel, etc.	..	..	791	4	..	795
	Tree-owners' fees .. ..	..	..	12	..	..	12
	Cardamoms, pepper, etc., rents.	..	..	1,141	..	..	1,141
	Miscellaneous .. ..	..	..	10,245	..	..	10,245
Sixth Circle	Total ..	111	1,493	18,242	9	..	14,744
	<i>Reserved lands.</i>						
	Bamboos and reeds .. ..	..	..	53	..	..	53
	Grazing and fodder grass	..	..	465	691	..	1,156
	<i>Other produce.</i>						
	Honey, wax, etc.	216	540	..	..	..	540
	<i>Unreserved lands.</i>	no.					
	Bamboos .. ..	..	..	265	2	..	267

Outturn of minor forest produce during the year 1921-22—cont.

Circle.	Description of produce.	Produce removed or utilized.					Total.
		By Government agency.		By purchasers.	By free grantees.	By right-holders.	
		Quantity.	Value.	Value.	Value.	Value.	
	<i>Other produce.</i>	qrs.	rs.	rs.	rs.	rs.	rs.
Sixth Circle—cont.	Nux-vomica, pindicai, etc., seeds.	218	240	4,140	..	..	4,380
	Manure leaves .. .. .	..	..	14	..	..	14
	Barks, etc. .. .. .	..	..	219	..	..	219
	Stone and gravel .. .. .	..	..	482	..	..	482
	Tree-owners' fees .. .. .	..	..	579	..	..	579
	Miscellaneous .. .. .	..	..	9,551	..	..	9,551
	Total	218	240	14,985	..	..	15,225
	<i>Abstract for the Sixth Circle.</i>						
	Bamboos	NO. 2,011	607	17,286	4	..	17,897
	Grazing and fodder grass .. .. .	..	..	33,823	811	..	34,634
Other produce	qrs. 545	2,273	28,227	9	..	30,509	
Grand total .. .. .	..	2,880	79,336	824	..	83,049	
Total, Presidency..	Bamboos	700,089	14,770	305,616	934	..	3,21,320
	Grazing and fodder grass .. .. .	..	..	7,91,074	12,861	7,247	8,11,182
	Other produce	416,213	82,832	6,74,309	4,704	1,359	7,63,204
	Grand total, Presidency .. .. .	..	97,602	17,70,999	18,499	8,606	18,95,706

NOTE:—This excludes Nilambur division as figures are not available.

ANNUAL FORM No. 78.

Forest Department, Madras Presidency.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1921-22.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
TIMBER (IN THOUSANDS OF CUBIC FEET).					
<i>First Circle.</i>					
Ganjam	819	196	515	{ (a) 112 (b) 85 } 3	365
Visagapatam .. .. .	..	2	2	(a) 1	1
Godavari, Upper	59	36	95	{ (a) 47 } (a) 4	44
Do. Lower	1	6	7	(a) 6	1
Total ..	379	240	619	208	411
<i>Second Circle.</i>					
Ballary .. .. .	..	..	..	..	..
Anantapur .. .. .	..	..	..	..	..
Guntur .. .. .	..	1	1	1	..
Kurnool, East	5	9	14	12	2
Do. South	4	6	10	8	2
Do. West	28	98	126	53	73
Total ..	37	114	151	74	77
<i>Third Circle.</i>					
Cuddapah, North .. .. .	..	1	1	1	..
Do. South .. .. .	..	5	5	5	..
Do. West	1	1	2	1	1
Nellore .. .. .	..	1	1	1	..
Chingleput .. .. .	..	..	..	..	..
Chittoor	1	1	2	1	1
Vellore, North .. .. .	..	..	..	..	..
Total ..	2	9	11	9	2
<i>Fourth Circle.</i>					
Vellore, South	2	3	5	4	1
Do. West	8	3	6	5	1
Salem, East .. .. .	..	1	1	1	..
Do. North	2	6	8	6	2
Do. Central .. .. .	..	..	..	..	..
Do. South	1	1	2	1	1
Total ..	8	14	22	17	5
<i>Fifth Circle.</i>					
Kollegal	1	3	4	{ (a) 1 (b) 1 } 11	2
Coimbatore, North	4	{ (a) 9 (b) 1 }	14	{ (b) 1 (a) 148 }	2
Do. South	120	153	273	{ (b) 27 (a) 2 }	96
Madura	3	4	7	6	1
Tinnevely	1	..	1	1	..
Total ..	129	170	299	198	101
<i>Sixth Circle.</i>					
Mangalore, North	6	25	31	{ (a) 28 (b) 1 } 19	1
Do. South	82	23	105	{ (a) 1 (a) 16 }	85
Wynaad	4	82	86	{ (a) 3 }	67
Nilambur	480	..	480	..	..
The Nilgiris	(d) 34	54	88	{ (a) 81 } 1	6
Palghat	56	103	159	81	78
Total ..	662	287	949	232	237
Grand total, Presidency ..	1,217	834	2,051	738	833

(a) Used departmentally.

(b) Written off the accounts.

(c) Transferred from Kollegal to North Coimbatore.

(d) Revised figures furnished by the District Forest Officer.

* Details not available owing to destruction of records during the rebellion.

FOREST DEPARTMENT

xiv

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1921-22—cont.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
FUEL (IN THOUSANDS OF CUBIC FEET).					
<i>First Circle.</i>					
Ganjam	32	137	169	{ (a) 100 (b) 45 }	7
Vizagapatam	5	4	9	{ (b) 17 5 }	4
Godavari, Upper	9	5	14	{ (a) 8 1 }	5
Do. Lower	2	25	27	{ 24 11 }	3
Kistna .. .. .	..	11	11	..	..
Total	48	182	230	211	19
<i>Second Circle.</i>					
Bellary .. .. .	..	16	16	16	..
Anantapur .. .. .	..	..	..	..	..
Guntur	12	5	17	17	..
Kurnool, East	67	64	131	57	74
Do. South .. .. .	..	..	..	..	..
Do. West	1,162	1,863	2,965	343	2,622
Total	1,181	1,948	3,129	433	2,696
<i>Third Circle.</i>					
Cuddapah, North .. .. .	..	..	..	..	..
Do. South	2	73	75	71	4
Do. West	1	2	3	3	..
Nellore	26	20	46	45	1
Chingleput .. .. .	..	1	1	1	..
Chittoor	2	54	56	54	2
Vellore, North	1	2	3	3	..
Total	32	152	184	177	7
<i>Fourth Circle.</i>					
Vellore, South .. .. .	..	1	1	1	..
Do. West .. .. .	..	1	1	1	..
Salem, East .. .. .	..	..	..	..	..
Do. North .. .. .	..	1	1	1	..
Do. Central .. .. .	..	..	..	..	..
Do. South	3	8	11	6	5
Total	3	11	14	9	5
<i>Fifth Circle.</i>					
Kollegal .. .. .	..	..	..	..	..
North Chumbatore .. .. .	..	..	..	..	..
Madura	1	3	4	3	1
Tinnevely	1	3	4	4	..
Total	2	6	8	7	1
<i>Sixth Circle.</i>					
Mangalore, North	1	64	65	{ 58 184 }	7
Do. South	107	136	243	{ (b) 8 .. }	51
Wynad .. .. .	..	..	..	..	..
Nilambur	1	..	1	..	..
The Nilgiris	225	390	615	{ (a) 371 (b) 3 }	231
Palghat	5	70	75	{ (b) 10 73 }	2
Total	339	660	999	707	301
Grand total, Presidency	1,605	2,959	4,564	1,544	2,021

(a) Used departmentally. (b) Written off the accounts.

* Details not available owing to destruction of records during the rebellion.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1921-22—cont.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots
BAMBOOS (IN NUMBER).					
<i>First Circle.</i>					
Ganjam .. .. .	..	5,820	5,820	(a) 5,820	..
Visagapatam	100	2,435	2,535	(a) 161	..
Godavari, Upper .. .. .	..	9,261	9,261	(a) 2,374	..
Do. Lower	700	13,030	13,730	(a) 9,261	..
				(a) 500	..
				(a) 11,380	1,850
Total ..	800	30,546	31,346	29,496	1,850
<i>Second Circle.</i>					
Bellary .. .. .	..	..	..	..	..
Anantapur .. .. .	..	..	..	..	..
Guntur .. .. .	..	163	163	163	..
Kurnool, East	19,366	130,839	150,205	120,346	29,859
Do. South .. .. .	..	398	338	398	..
Do. West	45,500	508,212	553,712	512,764	40,948
Total ..	64,866	639,612	704,418	633,671	70,807
<i>Third Circle.</i>					
Cuddapah, North .. .. .	..	4,714	4,714	3,519	1,195
Do. South .. .. .	..	4,830	4,830	3,830	1,000
Do. West .. .. .	..	2,690	2,690	2,440	250
Nellore .. .. .	..	..	..	..	..
Chingleput .. .. .	..	..	..	..	..
Chittoor	620	2,046	2,666	2,526	140
Vellore, North .. .. .	..	16	16	16	..
Total ..	620	14,296	14,916	12,331	2,585
<i>Fourth Circle.</i>					
Vellore, South .. .. .	..	..	..	..	..
Do. West .. .. .	..	..	..	..	..
Salem, East .. .. .	..	51	51	51	..
Do. North	5	960	965	860	105
Do. Central .. .. .	..	..	..	..	..
Do. South .. .. .	..	634	634	634	..
Total ..	5	1,645	1,650	1,545	105
<i>Fifth Circle.</i>					
Kollegal .. .. .	..	505	505	505	..
North Coimbatore	332	11,474	11,806	(a) 7,320	..
				(a) 4,420	66
Total ..	332	11,979	12,311	12,245	66
<i>Sixth Circle.</i>					
Mangalore, North .. .. .	..	151	151	(a) 151	..
Do. South	{ 4,754	280	4,779	(a) 321	..
	(c) 255			(a) 450	1,577
				(b) 2,431	..
Wynad .. .. .	..	250	250	250	..
Nilambur	419,706	..	419,706	..	..
The Nilgiris .. .. .	..	..	..	..	..
Palghat	437	1,330	1,767	1,654	113
Total ..	424,642	2,011	426,653	5,257	1,690
Grand total, Presidency ..	491,265	700,089	1,191,354	694,545	77,103

(a) Used departmentally. (b) Written off the accounts.
(c) Revised figures furnished by the District Forest Officer.
* Details not available owing to destruction of records during the rebellion.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1921-22—cont.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
MINOR FOREST PRODUCE (IN QUARTERS OF 28 LB.).					
<i>First Circle.</i>					
Ganjam .. .. .	..	371,842	371,842	(a) 371,842	..
Vizagapatam	92	1,232	1,324	(b) 204	1,094
Godavari, Upper	286	9,370	9,656	(a) 26	1,418
Do. Lower	4,335	835	5,170	(a) 29	2,916
Kistna	4	28	32	(a) 124	1
				(a) 2,130	
				(a) 31	
Total ..	4,717	383,307	388,024	382,595	5,429
<i>Second Circle.</i>					
Bellary	(e) 1,600,016	..	1,600,016	8	1,600,008
Anantapur	(d) 12	62	74	64	10
Guntur	4	28	30	15	15
Kurnool, East	5,017	10,689	15,706	14,572	1,134
Do. South	102	..	-102	102	..
Do. West	641	1,610	2,251	1,354	897
Total ..	1,605,792	12,587	1,618,179	16,118	1,602,064
<i>Third Circle.</i>					
Cuddapah, North	2	..	2	2	..
Do. South	129	1,734	1,863	1,503	360
Do. West	5	804	809	805	4
Nellore	2,227	12,883	15,110	13,622	1,488
Chingleput .. .. .	..	..	..	..	..
Chittoor	227	67	294	216	78
Vellore, North	325	843	1,168	904	264
Total ..	2,915	16,331	19,246	17,052	2,194
<i>Fourth Circle.</i>					
Vellore, South	185	274	459	242	217
Do. West	228	612	840	394	446
Salem, East	148	48	196	196	..
Do. North	72	112	184	120	64
Do. Central	87	14	51	40	11
Do. South	3,743	21	3,764	3,741	23
Total ..	4,413	1,081	5,494	4,733	761
<i>Fifth Circle.</i>					
Kollegal	87	(e) 49	167	(b) 10	31
		(e) 31		(a) 3	
North Coimbatore	190	2,400	2,590	(a) 123	..
South Coimbatore	(f) ..	(g) 1	3	(e) 2,559	..
Madura	18	(g) 2	..	(e) 31	1
Tinnevely .. .. .	..	(h) 112	130	(h) 2	4
		(h) ..	(h) ..	(h) 126	(h) ..
Total ..	295	2,595	2,890	2,854	36
<i>Sixth Circle.</i>					
Mangalore, North	1	..	1	..	1
Do. South	9,463	218	9,681	9,678	3
Wynad .. .. .	..	4	4	..	4
Nilambur .. .. .	..	..	..	..	..
The Nilgiris	41	321	363	(a) 154	63
				(a) 118	
Palghat	4	1	5	(b) 28	..
				(b) 5	
Total ..	9,509	545	10,054	9,983	71
Grand total, Presidency ..	1,627,641	416,246	2,043,887	433,332	1,610,555

(a) Used departmentally. (b) Written off the accounts.
 (c) Revised figure. The quantity given in the last review is incorrect.
 (d) Revised figures furnished by the District Forest Officer owing to the correct conversion into quarters.
 (e) Transferred from North Coimbatore to Kollegal. (f) Less than one quarter.
 (g) Received from Palghat and the Nilgiris.
 (h) Represents seeds of different seeds; their weight in quarters of 28 lbs. is not given by the District Forest Officer.

* Details not available owing to destruction of records during the rebellion.

Statement showing the value of timber and other produce at sale depots for the year 1921-22

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	<i>First Circle.</i>			RS.			RS.	RS.	RS.
Ganjam ..	Timber .. ..	..	3,700	7,821	..	198	141	..	7,680
	<i>Second Circle.</i>								
Bellary ..	Timber .. ..	..	..	..	..	..	..	..	..
	Fuel .. ..	..	..	..	..	..	..	..	..
	Minor produce ..	..	..	..	..	..	..	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..
Guntur ..	..	..	..	..	..	..	..	..	..
Kurnool, East.	..	..	..	..	..	..	..	..	..
Kurnool, South.	Timber .. ..	..	3,682	921	..	2,116	1,058	187	..
	Fuel .. ..	..	..	..	..	..	..	..	..
	Minor forest produce.	..	..	..	..	..	..	..	..
Kurnool, West.	..	..	..	..	..	..	..	..	..
	<i>Third Circle.</i>								
Nellore ..	Timber .. ..	..	110	27	..	..	..	..	27
	Fuel .. ..	..	26,007	1,625	..	1,270	79	..	1,546
	Minor forest produce.	QRS.	2,227	16,591	QRS.	1,488	4,482	..	11,609
Vellore, North.	Timber .. ..	..	..	..	..	..	..	..	..
	Fuel .. ..	..	530	32	..	..	..	..	32
	Minor forest produce.	QRS.	325	400	QRS.	264	490	90	..
	<i>Fourth Circle.</i>								
Vellore, South.	Timber .. ..	..	891	36,286	..	..	..	..	36,286
Vellore, West.	Timber .. ..	..	1,325	45,528	..	..	..	..	45,528
Salem, East ..	Timber .. ..	..	..	..	..	16	561	561	..
	Timber .. ..	..	1,982	24,576	..	2,120	26,286	1,710	..
Salem, North.	Bamboos	NO. 5	..	2	NO. 105	..	3	1	..
	Minor forest produce.	QRS. 72	..	77	QRS. 63	..	115	38	..
Salem, Central.	Timber .. ..	..	1	24	..	..	31	7	..
Salem, South.	Timber .. ..	..	430	755	..	270	482	..	273
Total value.	..	..	..	1,07,248	..	..	27,478	..	79,770
	<i>Fifth Circle.</i>								
Coimbatore, North.	Timber .. ..	..	3,630	57,757	..	1,825	24,808	..	62,949
	Fuel .. ..	..	440	27	..	..	..	..	27
	Bamboos	332	..	3	66	..	1	..	2
	Minor produce ..	QRS. 190	..	28	..	..	..	..	28
Coimbatore, South.	Timber .. ..	..	10,728	14,708	..	38,384	56,785	42,077	..
	Minor produce ..	..	..	35	QR. 1	..	214	179	..

FOREST DEPARTMENT

XLIX

Forest Department, Madras Presidency--cont.

Statement showing the value of timber and other produce at sale depots for the year 1921-22--cont.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
	<i>Fifth Circle--cont.</i>			RS.			RS.	RS.	RS.
Madura	Timber .. ..	..	2,009	892	..	1,226	418	..	474
	Fuel .. ..	..	1,400	88	..	1,260	79	..	9
	Minor produce ..	QRS. 18	..	6	QRS. 3	..	2	..	4
Tinnevely..	Timber .. ..	..	624	136	..	(a) 248	41	..	95
	Fuel .. ..	..	1,063	41	..	191	19	..	22
	Minor produce ..	QRS. 1	..	19	(b)	..	2	..	17
	<i>Sixth Circle.</i>								
Mangalore, North.	Timber .. ..	..	4,646	2,904	..	10	191	..	2,713
Mangalore, South.	Timber .. ..	..	4,816	4,816	..	37,364	32,568	27,752	..
	Fuel .. ..	..	396	59	..	..	..	..	59
Wynaad ..	Timber .. ..	..	95	142	..	..	..	..	142
Nilambur	Timber .. ..	..	88,718	180,408	..	11,978	15,745	..	1,64,663
	Fuel .. ..	..	442	88	..	1,694	268	180	..
	Bamboos	53,263	..	2,125	2,308	..	50	..	2,075
The Nilgiris.	Timber .. ..	..	13,663	21,800	..	6,000	6,000	..	15,800
	Fuel .. ..	..	6,340	817	..	35,000	5,584	4,767	..
	Minor produce ..	QRS. 41	..	400	QRS. 63	..	620	220	..
Palghat ..	.....	..	..	..	..	..	..	..	..
	Total value ..	..	..	2,13,559	..	..	61,026	..	1,52,533

ABSTRACT.

First Circle.	Timber .. ..	..	2,933	4,880	..	3,700	7,821	2,932	..
Second Circle.	Timber .. ..	..	3,682	921	..	2,116	1,058	187	..
	Fuel .. ..	..	..	..	..	..	..	..	..
	Minor produce ..	..	..	..	..	..	..	..	..
	Total value ..	..	3,682	921	..	2,116	1,058	187	..
Third Circle.	Timber .. ..	..	110	27	..	..	..	..	27
	Fuel .. ..	..	26,537	1,657	..	1,270	79	..	1,578
	Minor produce ..	QRS. 2,552	..	16,991	QRS. 1,488	..	5,472	..	11,519
	Total value ..	..	..	18,675	..	..	5,551	..	13,124
Fourth Circle.	Timber .. ..	..	2,349	38,767	..	4,629	1,07,169	68,402	..
	Bamboos	102	..	51	5	..	2	..	49
	Minor forest produce.	QRS. 952	..	447	72	..	77	..	370
	Total value ..	..	..	39,265	..	..	1,07,248	67,983	..
Fifth Circle.	Timber .. ..	..	17,991	1,03,493	..	41,680	82,052	..	21,441
	Fuel .. ..	..	2,903	156	..	1,451	98	..	58
	Bamboos	332	..	3	66	..	1	..	2
	Minor produce ..	QRS. 209	..	88	QRS. 4	..	218	130	..
	Total value ..	..	..	1,03,740	..	..	82,369	..	21,371
Sixth Circle.	Timber .. ..	..	111,938	2,10,070	..	55,352	54,504	..	1,55,566
	Fuel .. ..	..	7,178	964	..	36,694	5,852	4,888	..
	Bamboos	53,263	..	2,125	2,308	..	50	..	2,075
	Minor produce ..	QRS. 41	..	400	QRS. 63	..	620	220	..
	Total value ..	..	..	2,13,559	..	..	61,026	..	1,52,533
	Grand total, Presidency.	..	..	3,81,049	..	..	2,65,073	..	1,15,976

(a) Excludes sandalwood valued Rs. 55.

(b) Represents seeds of different species; weight in quarters of 28 lb. is not given by the District Forest Officer.

ANNUAL REPORT OF THE

ANNUAL
Forest Department,
Summary of revenue of the different districts

Budget heads.	First Circle.							Second		
	Direction.	Ganjam.	Visagapatam.	Godavari, Upper.	Godavari, Lower.	Kistna.	Total.	Direction.	Bellary.	Anantapur.
<i>Receipts.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber	1	9,385	686	23,778	63	..	33,913	..	..	..
(b) Firewood and charcoal ..	..	2,337	78	461	877	140	3,893	..	117	2
(c) Bamboos .. .. .	..	..	..	..	16	..	16	..	..	..
(d) Sandalwood .. .. .	..	..	..	..	..	..	..	..	..	..
(e) Grass and other minor produce.	76	..	88	152	24	..	340	..	8	88
II. Timber and other produce removed from the forests by consumers or purchasers—										
(a) Timber .. .. .	..	4,763	2,410	3,088	24,048	2,184	36,488	..	6,463	15,818
(b) Firewood and charcoal ..	12	28,931	8,491	421	49,457	11,933	99,245	..	9,589	4,621
(c) Bamboos .. .. .	..	4,928	14,611	8,120	53,421	5,785	86,865	..	67	825
(d) Grazing and fodder grass ..	..	8,869	4,995	6,257	18,533	13,758	52,212	..	82,908	43,941
(e) Other produce	1,249	1,900	18,715	906	27,111	7,922	52,803	..	21,473	81,164
(f) Rents for trees tapped ..	..	977	1,042	4	6,987	13,917	22,927	..	20,455	11,781
(g) Other items .. .. .	..	..	..	..	..	..	..	..	..	..
(h) Commutation .. .. .	..	..	..	..	..	..	..	..	..	..
III. Confiscated drift and waif-wood ..	..	175	65	1,337	2,657	98	4,332	..	239	397
IV. Revenue from forest not managed by Government—										
(a) Revenue from shared and private forests.	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—										
(a) Fines and forfeitures ..	..	3,884	2,713	678	5,046	7,071	19,392	..	5,893	10,678
(b) Other sources	12	3,117	467	771	6,739	1,750	12,856	15	903	1,327
Total ..	1,350	69,066	49,361	45,968	1,94,979	64,558	4,25,282	15	98,110	1,70,037
Deduct 'Refunds'—Voted ..	..	560	24	..	5,287	4,359	10,230	..	1,096	158
Total, Receipts ..	1,350	68,506	49,337	45,968	1,89,692	60,199	4,15,052	15	97,014	1,69,879

Budget heads.	Fourth Circle.									
	Direction.	Forest Engineer.	Vellore, South.	Vellore, West.	Salem, East.	Salem, North.	Salem, Central.	Salem, South.	Total.	Direction.
<i>Receipts.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber .. .. .	..	..	..	158	..	612	..	116	886	..
(b) Firewood and charcoal ..	..	..	122	6	25	70	..	126	349	..
(c) Bamboos .. .. .	..	..	..	..	..	168	..	..	168	..
(d) Sandalwood	(a) 2,290	..	98,197	86,134	19,675	1,46,133	10,161	11,591	3,74,161	2,15,921
(e) Grass and other minor produce.	..	..	4	2	..	2	..	..	8	..
II. Timber and other produce removed from the forests by consumers or purchasers—										
(a) Timber .. .. .	..	..	13,296	2,799	20,746	8,229	11,369	22,857	74,296	..
(b) Firewood and charcoal ..	..	..	11,878	3,911	35,902	2,681	12,202	81,726	98,300	..
(c) Bamboos .. .. .	..	..	30,524	12,281	18,880	7,137	22,520	7,605	98,947	..
(d) Grazing and fodder grass ..	..	..	27,033	30,489	37,750	17,863	29,152	25,882	1,68,169	..
(e) Other produce .. .. .	..	..	18,608	10,880	28,163	11,056	17,701	51,831	1,37,739	..
(f) Rents for trees tapped ..	..	..	3,826	507	1,016	994	66	19	6,428	..
(g) Other items .. .. .	..	..	..	..	37	455	..	..	492	..
(h) Commutation .. .. .	..	..	..	..	..	..	1,148	..	1,148	..
III. Confiscated drift and waif-wood ..	..	..	245	497	273	32	260	889	2,196	..
IV. Revenue from forest not managed by Government—										
(a) Revenue from shared and private forests.	..	..	..	..	..	..	..	..	..	..
V. Miscellaneous—										
(a) Fines and forfeitures ..	..	..	20,530	8,814	14,868	2,683	6,136	20,195	78,226	..
(b) Other sources	(b) 16	67	764	789	3,907	1,209	7,667	1,144	7,749	86
Total ..	2,306	67	2,25,027	1,57,267	1,73,428	1,94,324	1,18,382	1,73,481	10,44,282	2,16,007
Deduct 'Refunds'—Voted ..	..	..	4,718	2,510	591	141	676	1,328	9,864	..
Total, Receipts ..	2,306	67	2,20,309	1,54,757	1,72,837	1,94,183	1,17,706	1,72,153	10,34,318	2,16,007

Note for the I Circle—
The revenue under direction is distributed as follows:—
I—E. Godavari upper Rs. 5 and Godavari Lower Rs. 71.
II—E. " lower Rs. 1,160, direction Rs. 89.
V Ganjam Rs. 12.

The revenue under direction is distributed as follows:—
(a) South Cuddapah 442, Chittoor 435 and Tinnevely 1,413.
(b) South Malabar 16.
Rupees 1,81,087 relates to North Coimbatore and the balance to Kollegal.

FORM No. 80.
Madras Presidency.
for the year 1921-22.

Circle.					Third Circle.									
Guntur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Total.	Direction.	Cuddapah, North.	Cuddapah, South.	Cuddapah, West.	Nellore.	Chingleput.	Chittoor.	Vellore, North.	Total.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
34	5,500	620	2,597	15,751	..	39	2,303	130	49	7	25	86	2,639	
108	473	13	3,452	4,165	..	86	290	10	1,485	52	1,532	115	3,570	
..	2,424	..	9,689	12,113	..	..	..	..	..	..	10	4	14
..	..	..	..	..	..	..	..	..	..	..	17	..	17
..	8,230	5	1,578	9,904	..	..	..	..	67,591	10	4	626	68,231
3,305	1,785	8,067	6,356	41,795	..	1,605	4,167	9,179	8,062	4,719	19,252	15,703	62,688	
17,885	343	10,627	8,270	46,335	..	8,009	4,653	8,368	50,527	14,793	11,157	17,106	1,14,618	
..	874	33,396	..	34,662	..	4,716	2,350	2,409	..	502	6,156	8,305	24,438	
53,336	35,738	10,399	33,105	2,09,427	..	15,337	6,249	19,489	74,450	25,562	40,342	27,482	2,08,911	
16,954	4,825	7,462	29,747	1,61,625	..	6,823	8,525	17,386	10,393	8,855	37,481	28,508	1,17,971	
4,424	752	1,520	4,720	43,652	..	444	1,121	2,600	6,403	3,933	4,597	5,678	24,776	
..	
..	
168	269	2,167	1,022	4,262	..	314	413	610	372	294	121	144	2,268	
..	
10,096	2,318	6,631	4,433	40,044	..	3,587	4,585	9,425	17,605	4,673	14,427	19,998	74,300	
1,946	1,913	1,925	2,918	10,847	..	584	666	1,217	2,086	615	941	1,171	7,280	
1,08,256	65,445	82,832	1,09,887	6,34,582	..	41,545	35,322	70,823	2,39,623	64,015	1,36,062	1,24,926	7,11,716	
1,172	106	208	241	2,981	..	384	158	628	3,353	60	5,828	337	10,748	
1,07,084	65,339	82,624	1,09,646	6,31,601	..	41,161	35,164	70,195	2,35,670	63,955	1,30,234	1,24,589	7,00,968	

Fifth Circle.							Sixth Circle.									
Kollegal.	North Coimbatore.	South Coimbatore.	Madura.	Tinnevely.	Forest Engi- neer.	Total.	Directions.	North Mangalore.	South Mangalore.	Wynaad.	Nilambur.	Palghat.	The Nilgiris.	Forest Resear- ch Office.	Total.	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
6	400	2,28,847	1,796	52	..	2,31,101	..	13,755	17,149	95,209	2,63,722	65,038	35,900	..	4,90,773	
..	16	..	859	462	..	837	..	1,091	6,576	..	46	3,722	83,137	13	44,585	
..	..	..	..	..	..	..	..	..	5	146	5,296	436	..	..	5,883
..	32,510	..	..	..	..	2,48,431	..	5,606	2,874	..	..	..	3,422	..	11,902
232	13	..	87	..	..	332	..	..	6	30	5	879	894	..	1,814
1,597	8,520	8,339	15,844	1,537	..	35,837	..	22,510	8,583	23,844	5,074	10,319	559	..	70,889	
2,819	27,813	14,933	82,481	1,43,354	..	2,71,400	..	34,181	1,419	731	7	31,207	6,816	..	74,361	
3,818	19,627	7,796	5,165	1,569	..	37,975	..	991	2,299	468	3	12,533	845	..	17,139	
34,711	48,255	4,255	20,525	9,433	..	1,17,189	..	5,420	6,494	4,575	..	8,321	9,013	..	33,823	
5,416	9,561	6,788	36,662	34,105	..	92,532	..	6,180	7,225	2,147	1,028	9,162	1,364	..	28,106	
35	17	..	..	..	..	52	..	361	230	..	..	..	..	..	591
..	
..	
72	220	109	2,741	449	..	3,584	..	996	294	99	446	144	9	..	1,358	
..	
5,413	9,935	5,366	12,271	10,314	..	43,299	..	4,563	4,396	1,001	1,323	5,526	10,865	..	27,644	
5,433	3,809	73,988	9,028	2,851	203	95,398	18	1,220	3,170	5,743	4,563	9,512	7,622	13	81,861	
59,552	1,60,696	3,50,431	1,86,959	2,04,119	203	11,77,967	18	96,244	60,720	1,34,993	2,82,013	1,56,799	1,09,946	26	8,40,759	
366	1,313	130	563	115	33	2,460	..	42	235	20	..	672	336	..	1,305	
59,246	1,59,383	3,50,301	1,86,396	2,04,004	170	11,75,507	18	96,202	60,485	1,34,973	2,82,013	1,56,127	1,09,610	26	8,39,454	

* Excludes Rs. 2,850 credited in the Nilgiri district accounts.

† Excludes Rs. 1,413 credited in the South Vellore accounts.

The revenue for Fifth Circle including the amounts credited in Nilgiris and South Vellore districts comes to Rs. 11,79,767.

Summary of expenditure of the different districts for the Forest year 1921-22.

Head of account.	First Circle.							Second		
	Direction.	Ganjam.	Vizaga- patam.	Godavari, Upper.	Godavari, Lower.	Kistna.	Total.	Direction.	Bellary.	Ananta- pur.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
A. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber .. .. .	..	51,785	124	2,460	..	..	54,369	..	..	..
(b) Firewood and charcoal ..	..	2	..	109	72	..	183	..	..	4
(c) Bamboos .. .. .	..	..	..	..	6	..	6	..	..	..
(d) Sandalwood .. .. .	..	..	..	..	..	..	..	..	..	..
(e) Grass and other minor produce.	..	..	27	800	35	..	862	10	..	43
II. Timber and other produce removed from the forests by consumers or purchasers.	..	5,883	5,459	3,248	15,812	1,259	31,556	..	2,193	2,173
III. Confiscated drift and waifwood ..	..	104	..	476	1,101	3	1,684	..	..	13
IV. Forests not managed by Government—										
(a) Shared and private forests.	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government.	..	..	478	..	..	..	478	..	..	..
VI. Live-stock, stores, tools and plant—										
(a) Purchase of cattle .. .. .	..	50	..	..	..	..	50	..	..	..
(b) Feed and keep of cattle ..	..	..	..	2,024	..	..	2,024	..	..	..
(c) Stores, tools and plant ..	-7,807	2,37,292	212	1,576	6,002	3,115	2,40,390	3,330	156	382
VII. Communications and buildings—										
(a) Roads and bridges .. .. .	..	14,094	886	2,710	1,920	495	20,105	..	..	245
(b) Buildings .. .. .	..	68,541	2,891	6,230	4,175	1,689	78,526	..	3,574	3,940
(c) Other works .. .. .	..	600	20	79	246	49	894	..	20	..
VIII. Demarcation, improvement and extension of forests—										
(a) Demarcation .. .. .	..	208	..	1,298	123	212	1,840	..	3,060	481
(b) Cost of forest settlement, compensation for land and rights.	..	786	3	..	..	..	789	..	..	..
(c) Surveys—										
(1) Local .. .. .	..	1	837	1,921	1,306	1,116	5,179	..	105	..
(2) India .. .. .	..	..	..	..	..	..	..	..	..	..
(d) Working-plans	502	1,516	..	..	..	..	2,018	..	..	..
(e) Sowing and planting	192	402	6	430	271	381	1,682	..	..	231
(f) Protection from fire .. ..	..	6,180	1,488	5,337	5,837	1,184	20,076	..	1,292	561
(g) Other works .. .. .	..	4,853	..	1,749	45	4,371	11,018	..	1,234	3,962
IX. Miscellaneous—										
Non-voted—										
(a) Rates and taxes .. .. .	..	..	1	..	156	39	196	..	..	..
Voted—										
(b) Law charges .. .. .	..	..	28	..	..	..	28	..	7	..
(c) Other charges .. .. .	..	629	56	12	561	3	1,261	..	..	170
Total, A. Conservancy and Works ..	-7,113	3,37,924	12,516	30,004	37,667	13,916	4,74,914	3,320	11,641	12,205
B. Establishments.										
I. Salaries—										
Non-voted—										
(a) Conservators	18,718	..	..	..	395	..	19,113	13,400	..	..
(b) Superior officers appointed by the Secretary of State.	-3,363	24,006	..	3,812	11,540	..	35,995	2,823	- 625	..
(c) Deputation and other allowances.	..	..	..	236	..	..	236	..	..	..
Voted—										
(d) Superior officers appointed in India.	..	4,582	5,422	3,498	10,162	3,908	27,572	..	4,905	9,864
(e) Subordinate forest and depot establishments.	..	49,979	18,556	24,798	32,166	17,467	1,42,966	..	35,644	38,854
(f) Office establishments	8,101	13,332	6,177	8,037	10,899	5,764	52,310	7,776	8,016	8,094
(g) Deputation and other allowances.	..	4,079	..	7,060	226	..	11,365	..	..	..
II. Travelling allowances—										
(a) Conservators	3,952	..	146	266	36	..	4,400	860	..	100
(b) Superior officers	1,342	8,491	3,407	2,452	3,054	3,427	22,208	662	1,937	2,141
(c) Subordinate forest and depot establishments.	-164	15,631	5,266	6,948	10,692	5,417	43,780	..	7,584	8,963
(d) Office establishments	1,906	4,044	1,728	2,057	4,208	1,120	15,063	1,427	1,861	1,635
III. Contingencies—										
Non-voted—										
Rates and taxes	190	236	272	..	..	75	823	..	245	168
Voted—										
(a) Contract items—										
(1) Service postage and telegram charges.	500	1,206	1,003	951	1,369	876	5,905	603	721	958
(2) Other contract contingencies.	3,001	2,456	1,422	1,187	3,017	1,321	12,404	4,970	2,092	1,721
(b) Non-Contract items—										
(1) Rents, rates and taxes ..	340	46	10	129	69	120	714	600	57	20
(2) Sundries .. .. .	..	298	92	242	501	43	1,276	..	..	51
Total, B. Establishments ..	34,523	1,28,430	43,501	61,763	88,424	39,538	3,96,125	33,121	62,437	72,559
Grand Total of Expenditure, A and B ..	27,410	5,16,350	56,017	91,767	1,26,091	53,454	8,71,039	38,441	74,078	84,764

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Summary of expenditure of the different districts for the Forest year 1921-22—cont.

Circle.					Third Circle.									
Guntur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Total.	Direction.	Cuddapah, North.	Cuddapah, South.	Cuddapah, West.	Nellore.	Chingleput.	Chittoor.	Vellore, North.	Total.	
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
..	2,238	88	5,756	8,077	..	..	423	..	..	..	106	..	529
..	897	..	10,202	11,103	..	..	..	..	12	..	187	9	208
..	2,044	..	5,678	7,722	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	51	..	..	..	212	32	295
..	3,270	83	1,038	4,444	..	..	..	..	7,440	12	..	94	7,546
2,822	3,744	3,250	6,822	22,504	..	3,347	2,287	4,171	2,758	1,251	8,588	2,113	24,515	
..	5	197	12	227	..	30	11	28	..	..	..	..	69
..	
..	
..	..	..	2,948	2,948	..	..	..	..	..	20	3	..	23
673	1,129	878	2,081	8,124	32	1,607	1,416	44	1,390	531	377	198	5,595	
466	4,847	7,206	5,928	19,692	..	..	12,008	1,595	515	2,486	3,996	1,027	21,630
2,865	6,902	4,587	3,209	24,477	..	6,587	8,435	4,716	5,803	8,265	10,453	3,349	47,608	
493	1,321	64	912	2,810	..	404	871	109	146	416	399	18	2,363	
231	46	20	509	4,347	..	..	..	14	1,693	1,412	2,143	67	5,329
..	..	..	..	..	..	..	..	..	1,073	..	358	..	1,431
..	1,026	..	443	1,574	529	..	..	..	1,483	..	..	605	2,617
..	
17	..	..	..	17	..	..	..	..	..	..	..	..	..
62	840	165	3,055	4,353	..	5	870	44	8	21	2,211	1,988	4,647	
..	4,558	10,227	5,501	22,119	..	5,939	6,549	4,060	1,971	1,115	6,056	604	25,294	
8,712	2,764	..	6	16,688	..	109	3,304	3,952	2,381	1,598	12,373	8,274	31,986	
7	..	..	..	7	..	..	..	..	..	..	4	..	4
..	..	16	58	81	..	..	1	..	..	..	8	9	18
70	313	..	896	1,449	6	65	493	5	3	..	384	282	1,148	
15,918	35,314	26,271	57,074	1,61,743	567	13,093	35,129	18,738	26,679	17,122	47,858	18,669	1,82,865	
..	..	..	..	13,400	29,095	..	..	..	..	2,021	..	..	31,116
16,119	..	..	..	18,317	..	..	14,098	..	8,952	..	1,150	..	24,200
..	
1,890	5,513	8,664	12,024	42,860	..	3,533	800	4,463	6,658	4,668	10,590	4,247	34,962	
34,888	31,282	40,630	41,127	2,22,425	480	36,176	40,138	34,321	53,811	30,585	58,741	24,128	2,78,380	
9,376	9,118	9,983	12,687	65,050	10,213	8,133	9,113	9,708	8,793	6,229	9,328	6,271	67,788	
..	1,942	3,864	4,695	10,501	..	125	..	4	..	..	..	..	129
280	..	200	406	1,846	2,195	1,385	..	..	191	..	1,062	90	4,923
2,836	1,966	2,507	3,424	15,473	..	2,306	2,178	687	4,431	2,791	3,494	2,570	18,457	
7,827	8,808	10,320	12,728	56,215	..	11,182	8,072	8,958	12,832	6,415	10,949	5,022	63,430	
1,785	2,297	3,431	3,243	15,679	1,591	1,836	1,705	2,310	2,254	2,164	3,512	1,294	16,666	
26	13	47	79	578	..	40	12	..	30	40	170	107	399	
793	1,133	877	841	5,926	901	574	611	527	1,051	538	983	692	5,877	
1,341	2,182	2,000	2,678	16,984	2,425	1,979	1,295	1,276	1,923	1,506	1,931	720	13,055	
48	269	22	73	1,089	..	..	55	160	59	540	84	..	898
..	85	..	..	136	68	234	137	38	72	..	74	..	475
77,209	64,603	82,545	94,005	4,86,479	46,968	67,506	78,214	62,452	1,01,057	57,497	1,01,920	45,141	5,60,755	
12 7	99,917	1,08,816	151,079	6,48,222	47,535	85,599	113,343	81,190	1,27,736	74,619	1,49,778	63,810	7,43,610	

Summary of expenditure of the different districts for the Forest year 1921-22—cont.

Budget heads.	Fourth Circle.									Fifth	
	Direction.	Forest Engi- neer.	Vellore, South.	Vellore, West.	Salem, East.	Salem, North.	Salem, Central.	Salem, South.	Total.	Direction.	Kollegal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Refunds and Drawbacks ..	..	..	..	..	..	..	..	..	..	..	..
Voted—											
<i>Conservancy and Works.</i>											
I. Timber and other produce re- moved from the forests by Government Agency—											
(a) Timber .. .. .	..	..	..	829	..	152	..	..	481	..	..
(b) Firewood and charcoal ..	..	..	..	..	..	32	..	..	32	..	..
(c) Bamboos .. .. .	..	..	..	..	..	..	..	..	..	..	..
(d) Sandalwood	- 66	..	4,875	4,210	2,226	11,910	1,445	1,189	25,789	707	8,011
(e) Grass and other minor produce .. .. .	..	..	..	2	27	17	6	..	40	..	107
II. Timber and other produce re- moved from the forests by consumers or purchasers.	..	..	843	1,162	1,634	970	3,187	4,265	12,061	..	3,370
III. Confiscated, drift and waif- wood.	..	..	2	18	..	..	2	30	62	..	..
IV. Forests not managed by Government.	..	..	..	..	..	..	..	..	..	..	..
(a) Shared and private forests.	..	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and pay- ments to shareholders in forests managed by Govern- ment.	..	..	..	..	..	19	..	..	19	..	..
VI. Live-stock, stores, tools and plant—											
(a) Purchase of cattle .. .. .	..	..	..	..	..	..	..	..	..	1,247	..
(b) Feed and keep of cattle.	..	..	..	..	..	..	..	..	..	..	..
(c) Stores, tools and plant.	2,032	92	601	125	156	623	203	122	3,954	1,928	77
VII. Communications and build- ings—											
(a) Roads and bridges .. .. .	..	18,013	132	..	162	859	598	1,328	21,092	1,165	5,228
(b) Buildings .. .. .	..	654	2,291	1,880	2,817	3,254	2,204	5,543	18,643	7916	2,187
(c) Other works .. .. .	..	..	445	6	170	52	97	..	770	..	825
VIII. Demarcation, improvement and extension of forests—											
(a) Demarcation .. .. .	..	..	36	144	856	51	164	873	1,624	..	769
(b) Cost of Forest Settle- ment; compensation for land and rights.	..	..	..	..	81	281	..	174	536	..	..
(c) Surveys .. .. .	..	..	..	446	458	..	..	1,862	2,366	..	..
(d) Working-plans	86	..	..	..	..	..	..	..	86	67	..
(e) Sowing and planting .. .. .	..	..	977	183	246	2,123	483	102	4,114	..	9
(f) Protection from fire .. .. .	..	..	715	1,458	753	1,247	1,640	869	6,682	..	1,657
(g) Other works .. .. .	..	..	3,422	2,893	6,427	5,923	4,970	2,205	25,640	..	1,622
IX. Miscellaneous—											
Non-voted.											
(a) Rates and taxes .. .. .	..	..	..	10	..	..	10	..	17	..	..
Voted.											
(b) Law charges .. .. .	..	..	..	6	2	..	..	..	41	..	..
(c) Other charges .. .. .	..	..	140	129	177	..	123	..	392	67	29
Total, Conservancy and Works ..	2,052	18,759	14,479	13,001	16,192	27,636	14,997	17,900	1,25,016	13,094	18,841
<i>Establishments.</i>											
I. Salaries—											
Non-voted.											
(a) Conservators	25,308	..	..	..	..	..	..	..	25,308	24,693	..
(b) Superior officers appointed by the Secretary of State.	11,827	630	..	1,750	1,450	5,615	..	..	21,272	..	..
(c) Deputation and other allowances.	..	..	..	..	..	..	..	..	..	..	..
Voted—											
(d) Superior officers appointed in India.	..	4,206	7,463	2,887	6,987	4,855	9,417	5,480	41,295	3,044	4,896
(e) Subordinate Forest and depot establishments.	52	4,865	28,479	25,338	34,630	26,455	25,722	32,349	1,77,890	2,965	29,593
(f) Office establishments	10,735	2,354	8,135	8,653	7,257	8,525	9,281	9,673	64,613	9,887	7,298
(g) Deputation and other al- lowances.	..	1,370	..	100	..	130	..	457	2,057	13	1,350
II. Travelling allowances—											
(a) Conservators	2,434	..	225	..	..	..	..	121	2,780	5,031	..
(b) Superior officers	1,176	1,297	1,893	1,319	2,012	2,195	2,732	3,320	15,944	1,172	2,516
(c) Subordinate forest and depot establishments.	19	1,274	6,250	5,323	7,484	8,548	4,725	7,412	41,035	574	4,181
(d) Office establishments	1,080	609	1,188	1,050	1,498	1,073	775	1,756	9,029	1,273	1,158
III. Contingencies—											
Non-voted.											
(a) Rates and taxes .. .. .	..	..	205	20	55	23	2	9	314	68	53
Voted.											
(a) Contract items—											
(1) Service postage and telegram charges.	554	250	876	784	870	1,099	1,055	1,358	6,346	998	462
(2) Other contract con- tingencies.	1,615	..	1,606	947	1,710	1,305	1,680	1,695	10,458	2,535	2,393
(b) Non-contract items—											
(1) Rents .. .. .	..	588	..	..	79	..	..	121	790	..	5
(2) Sundries	8	1,234	31	..	180	..	148	109	1,720	138	93
Total, Establishments ..	54,703	18,177	56,351	48,171	64,212	59,973	55,498	63,766	4,20,851	52,391	54,098
Grand Total of Expenditure ..	56,755	36,936	70,830	61,172	80,404	87,609	70,495	81,666	6,45,887	65,325	72,849

Summary of expenditure of the different districts for the Forest year 1921-22—cont.

Circle.							Sixth Circle.									
North Coimbatore.	South Coimbatore.	Madura.	Tinnevely.	Forest Engi. near.	Total.	Direction.	North Mangalore.	South Mangalore.	Wynad.	Nilambur.	Palghat.	The Nilgiris.	Forest Research Officer.	Total.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
..		
120	75,975	1,207	8	..	77,310	..	4,599	22,065	18,514	25,132	72,579	6,189	..	1,49,078		
..	..	..	2	..	2	..	750	2,835	..	..	244	25,927	..	29,756
14,199	..	71	168	..	18,156	..	479	406	90	18,937	81	16	..	19,123		
..	..	..	..	..	107	..	..	248	5	210	..	590	..	1,053
4,258	1,702	2,727	4,438	..	16,495	..	1,777	1,713	431	1,818	2,534	2	..	8,275		
2	10	2	..	..	14	..	43	1	..	..	8	..	..	52
..		
..	2,500	..	..	..	2,500	..	..	..	90	1,500	..	..	..	1,590
..	4,103	..	39	..	5,389	..	..	8	3,920	498	6,310	5,162	..	15,898
153	45,751	..	..	..	45,904	..	..	6,239	27,771	26,914	29,663	55,644	..	1,46,261
1,163	5,286	238	813	92	9,597	2,544	151	347	6,229	2,338	72,291	3,140	2,944	89,984		
11,049	7,563	17,579	6,162	23,568	72,314	..	1,432	608	3,984	1,492	31,148	9,623	..	48,285		
3,509	2,219	9,085	5,162	..	30,078	18	6,683	1,139	3,917	4,667	29,790	6,441	200	52,855		
865	908	538	40	..	2,673	..	232	296	281	35	667	1,216	..	2,727		
..		
19	381	2,845	228	..	4,242	..	..	..	591	313	13	459	..	1,376
..	..	799	6,673	..	7,472	..	..	..	..	..	..	..	..	..
708	..	..	..	..	708	..	..	18	13	..	1,182	679	..	1,892
..		
..	..	10	..	..	77	..	..	..	..	..	5,077	..	..	5,077
894	749	3,723	2,072	..	6,947	..	2,095	5,375	2,541	13,983	7,081	5,406	..	36,481		
8,900	1,916	6,586	3,898	..	17,997	..	3,508	3,853	2,950	2,822	3,004	3,545	..	19,682		
6,480	5,799	10,601	2,768	..	27,170	..	170	1,257	2,461	943	4,306	2,689	..	11,776		
..		
20	15	..	..	..	35	..	..	1	..	..	..	291	..	292
..	..	1	..	..	1	..	79	2	11	..	15	..	..	107
145	1,515	3	72	..	1,841	..	576	592	388	294	2,149	7,302	2,404	13,705		
46,484	156,392	56,015	32,543	23,660	3,47,029	2,562	22,574	47,030	74,187	1,06,973	2,63,065	1,34,439	5,548	6,56,378		
..		
19,200	9,944	..	2,673	630	24,693	22,901	..	5,430	..	..	2,500	18,750	625	22,901
..	..	..	..	..	32,447	1,521	..	..	..	..	..	..	..	28,826
..	..	6,022	6,072	4,806	24,840	..	4,168	3,911	5,207	9,328	13,199	..	13,155	48,966		
37,873	28,632	40,238	40,097	4,831	1,84,229	1,526	29,433	22,207	17,246	18,105	28,374	30,825	4,998	1,52,714		
9,692	10,789	9,709	10,111	2,354	59,833	8,750	7,631	7,291	7,399	9,182	8,579	9,478	1,981	60,291		
431	6,228	644	..	1,370	10,036	1,748	..	..	10,843	360	12	11,823	..	24,786
..	..	..	738	..	5,769	5,497	..	..	..	..	..	..	..	5,497
2,410	1,807	2,651	2,130	1,296	13,982	894	1,270	2,653	3,552	3,411	5,094	2,223	3,754	22,849		
12,900	7,210	10,440	9,918	1,289	46,512	380	6,655	6,342	4,002	3,633	8,895	7,822	2,215	39,954		
3,091	1,998	2,888	1,432	609	12,457	1,556	1,251	1,642	1,209	1,806	2,287	1,845	704	12,300		
19	32	93	121	..	386	9	..	25	..	170	112	149	..	465		
1,077	977	1,085	947	150	5,696	989	700	1,243	750	450	615	890	263	5,900		
2,515	1,379	1,670	1,551	..	12,343	3,332	1,920	1,464	1,005	1,615	1,458	1,773	626	13,193		
87	..	300	150	588	1,130	..	..	..	..	43	37	..	..	80
146	674	..	184	834	2,069	116	69	21	114	1,218	30	66	..	1,634		
89,741	69,663	75,738	76,124	18,757	4,36,422	49,217	53,107	52,229	51,327	49,321	71,192	85,644	28,321	4,40,358		
136,225	226,055	131,753	108,607	42,417	783,451	51,779	75,681	99,269	125,514	1,56,294	3,34,267	2,20,083	33,869	10,96,736		

Summary of receipts and expenditure during 1921-22 for each circle and for the Presidency compiled in the Chief Conservator's office from Conservators' statements.

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.	Grand total, Presidency.	
							1921-22.	1920-21.
RECEIPTS.								
I. Timber and other produce removed from the forests by Government agency—								
(a) Timber	33,918	15,751	2,639	886	2,31,101	4,90,773	7,75,063	5,78,739
(b) Firewood and charcoal ..	3,893	4,165	3,670	349	637	44,585	57,399	55,997
(c) Bamboos	16	12,113	14	168	..	5,883	18,194	30,413
(d) Sandalwood .. .. .	..	..	17	3,74,151	2,48,431	11,903	6,34,651	7,38,231
(e) Grass and other minor produce.	340	9,904	68,231	8	332	1,814	80,629	64,462
Total, I ..	38,162	41,933	74,471	3,75,592	4,80,701	5,54,957	15,65,816	14,65,843
II. Timber and other produce removed from the forests by consumers or purchasers—								
(a) Timber	36,488	41,795	62,688	74,296	85,837	70,889	8,21,993	3,81,996
(b) Firewood and charcoal ..	99,245	46,335	1,14,613	98,300	2,71,400	74,361	7,04,254	6,60,970
(c) Bamboos	86,865	34,662	24,438	98,947	37,975	17,139	8,00,026	2,61,326
(d) Grazing and fodder grass..	52,212	2,09,427	2,08,911	1,68,169	1,17,189	33,823	7,89,731	8,16,589
(e) Other produce	52,803	1,61,625	1,17,971	1,37,739	92,532	28,106	5,90,776	6,28,566
(f) Tree-owners' fees	22,927	43,652	24,776	6,428	52	591	98,426	1,03,076
(g) Other items .. .. .	..	..	..	492	..	..	492	280
(h) Commutation fees .. .. .	..	..	..	1,148	..	..	1,148	900
Total, II ..	3,50,540	5,37,496	5,53,397	5,85,519	5,54,985	2,24,909	28,06,846	27,53,143
III. Confiscated drift and waifwood ..	4,332	4,262	2,268	2,196	3,584	1,388	18,030	11,473
IV. Revenue from forests not managed by Government.	..	..	..	..	..	..	..	..
V. Miscellaneous—								
(a) Fines and forfeitures ..	19,392	40,044	74,300	73,226	43,299	27,644	2,77,905	2,17,664
(b) Other sources	12,856	10,847	7,280	7,749	95,398	31,861	1,65,991	1,78,661
Total, V ..	32,248	50,891	81,580	80,975	1,38,697	59,505	4,43,896	3,96,325
Total Receipts ..	4,25,282	6,34,582	7,11,716	10,44,282	11,77,967	8,40,769	48,34,658	47,15,084
Less: Deduct refunds—voted ..	10,230	2,981	10,748	9,964	2,460	1,305	37,688	98,900
Grand Total, Receipts ..	4,15,052	6,31,601	7,00,968	10,34,318	11,75,507	8,39,464	47,96,970	46,16,184
EXPENDITURE.								
A. Conservancy and Works.								
I. Timber and other produce removed from the forests by Government agency—								
(a) Timber	54,869	8,077	529	481	77,310	1,49,078	2,89,844	2,34,004
(b) Firewood and charcoal ..	183	11,103	208	32	2	29,756	41,284	30,354
(c) Bamboos	6	7,722	..	..	..	19,123	26,851	34,134
(d) Sandalwood .. .. .	..	..	295	25,789	18,156	1,053	45,293	84,055
(e) Grass and other minor produce.	362	4,444	7,546	40	107	1,053	13,552	9,448
Total, A-I ..	54,920	31,346	8,578	26,342	95,575	2,00,063	4,16,824	3,41,995
II. Timber and other produce removed from the forests by consumers or purchasers.	31,656	22,504	24,515	12,061	16,495	8,275	1,15,506	1,11,629
III. Confiscated drift and waifwood ..	1,684	227	69	52	14	52	2,098	1,289
IV. Forests not managed by Government—	..	..	..	..	..	..	..	..
(a) Shared and Private forests.	..	..	..	..	..	..	..	..
V. Rent of leased forests by payments to shareholders in forests managed by Government.	478	..	..	19	2,500	1,590	4,587	3,929
VI. Live-stock, stores, tools and plant—								
(a) Purchase of cattle	50	..	..	..	5,389	15,898	21,337	8,766
(b) Feed and keep of cattle ..	2,024	2,948	23	..	45,904	1,45,261	1,97,160	1,55,325
(c) Stores, tools and plant ..	2,40,390	8,124	5,595	3,954	9,597	83,984	3,57,644	66,719
Total, A-VI ..	2,42,464	11,072	5,618	3,954	60,890	2,52,143	5,76,141	2,30,810
VII. Communications and buildings—								
(a) Roads and bridges	20,105	18,692	21,630	21,092	72,314	48,285	2,02,118	2,93,950
(b) Buildings	78,526	24,477	47,608	18,643	30,078	52,855	2,52,187	1,86,870
(c) Other works	994	2,810	2,363	770	2,673	2,727	12,337	11,177
Total, A-VII ..	99,625	45,979	71,601	40,505	1,05,065	1,03,867	4,66,642	4,91,997

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Summary of receipts and expenditure during 1921-22 for each circle and for the Presidency compiled in the Chief Conservator's office from the Conservators' statements—cont.

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.	Grand total, Presidency.	
							1921-22.	1920-21.
EXPENDITURE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
A. Conservancy and Works—cont.								
VIII. Demarcation, etc.—								
(a) Demarcation	1,810	4,347	5,329	1,624	4,242	1,376	18,758	14,242
(b) Cost of forest settlement compensation for land and rights.	789	..	1,431	536	7,472	..	10,228	11,199
(c) Surveys. { (1) Local ..	5,179	1,574	2,617	2,256	708	1,892	14,226	11,614
(2) India ..	..	..	..	..	..	..	..	..
(d) Working-plans	2,018	17	..	86	77	5,077	7,275	1,465
(e) Sowing and planting ..	1,682	4,353	4,647	4,114	6,947	36,481	58,224	43,429
(f) Protection from fire ..	20,076	22,119	25,294	6,882	17,997	19,682	1,11,850	1,03,521
(g) Other works	11,018	16,668	31,986	25,840	27,170	11,776	1,24,458	1,20,948
Total, A-VIII ..	42,602	49,078	71,304	41,138	64,613	76,284	3,45,019	2,84,020
IX. Miscellaneous—								
Non voted—								
(a) Rates and taxes	196	81	4	17	35	292	625	736
Voted—								
(b) Law charges	28	1,449	18	38	1	107	1,570	1,407
(c) Other charges	1,261	7	1,148	961	1,841	13,705	18,923	16,358
Total, A-IX ..	1,485	1,537	1,270	945	1,877	14,104	21,118	3,811
Total, A. Conservancy and Works	4,74,914	1,61,743	1,82,855	1,25,016	3,47,029	6,56,378	19,47,935	(a) 15,68,380
B. Establishment.								
I. Salaries—								
Non-voted—								
(a) Conservators	19,113	12,400	31,116	25,308	24,693	22,901	1,86,531	99,357
(b) Superior officers appointed by Secretary of State	35,995	13,317	24,200	21,272	32,447	28,826	1,61,057	2,69,081
(c) Deputation and other allowances.	236	..	..	..	..	..	236	8,53,710
Voted—								
(d) Superior Officers appointed in India.	27,572	42,860	34,962	41,295	24,840	43,968	2,20,497	2,68,005
(e) Subordinate forest and Depot establishment.	1,42,966	2,22,425	2,78,380	1,77,890	1,84,229	1,52,714	11,58,604	42,358
(f) Office establishments ..	52,310	65,050	67,788	64,613	59,833	60,291	3,69,885	512
(g) Deputation and other allowances.	11,365	10,501	129	2,057	10,036	24,786	58,874	34,364
Total, B-I ..	2,89,557	3,72,553	4,36,575	3,32,435	3,36,078	3,38,486	21,05,684	14,97,635
II. Travelling allowance—								
(a) Conservators	4,400	1,846	4,923	2,780	5,769	5,497	25,215	8,366
(b) Superior officers	22,203	15,473	18,457	15,944	13,982	22,849	1,08,908	56,864
(c) Subordinate Forest and Depot establishments.	43,780	56,215	63,430	41,035	46,512	39,954	2,90,926	1,61,955
(d) Office establishment ..	15,069	15,679	16,666	9,029	12,457	12,300	81,194	50,770
Total, B-II ..	85,446	89,213	1,03,476	68,788	78,720	80,600	5,06,243	2,77,955
III. Contingencies—								
Non-voted—								
Rates and taxes	823	578	399	314	386	465	2,965	66,968
Voted—								
(a) Contract items—								
(1) Service postage and telegrams charges.	5,905	5,926	5,877	6,346	5,896	5,900	35,650	..
(2) Other contract contingencies.	12,404	16,984	13,055	10,458	12,343	13,193	78,437	11,586
(b) Non-contract items—								
(1) Rents, rates and taxes.	714	1,089	898	790	1,130	80	4,701	..
(2) Sundries	1,276	136	475	1,720	2,069	1,634	7,310	..
Total, B-III ..	21,122	24,713	20,704	19,628	21,624	21,272	1,29,068	78,552
Total, B. Establishment ..	3,96,125	4,86,479	5,60,755	4,20,851	4,36,422	4,40,358	27,40,990	18,54,142
Grand Total of Expenditure A and B ..	8,71,039	6,48,222	7,43,610	5,45,867	7,83,451	10,96,736	48,42,366	34,22,522
Surplus ..	4,55,987	16,621	42,642	4,88,451	3,92,056	2,57,282	45,466	11,93,662
Total ..	4,16,052	6,31,601	7,00,968	10,34,318	11,75,507	8,39,454	47,96,900	46,16,184

* Pay of Chief Conservator, his office establishment, contingencies, etc.
(a) Includes Refunds (Rs. 98,900.)

ANNUAL FORM No. 81.

Forest Department, Madras Presidency.

Outstandings and liabilities on account of contractors and disbursers for the period from 1st April 1921 to 31st March 1922.

District.	Department debtor.			Department creditor.			Balance due.	
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To department (outstandings).	By department (liabilities).
<i>First Circle.</i>								
Chief Conservator's Office	65 0 11		865 0 11	865 0 11	..	865 0 11	..	..
Direction	1,219 6 6		1,219 6 6	22 9 5	1,206 9 3	1,229 2 8	9 12 2	..
Ganjam	2,64,619 13 9		2,64,619 13 9	1,857 12 8	2,64,681 14 5	2,66,539 10 8	1,919 12 11	..
Vizagapatam	43,328 13 10		43,328 13 10	348 5 6	43,363 10 3	43,709 15 9	381 1 11	..
Godavari, Upper	79,273 0 8		79,273 0 8	191 13 9	82,469 5 3	82,661 3 0	2,388 2 4	..
Do. Lower	94,850 10 3		94,850 10 3	973 18 9	94,058 10 0	95,032 7 9	181 13 6	..
Kistna	39,967 15 7		39,967 15 7	667 15 10	39,948 0 4	40,616 0 2	648 0 7	..
Total	5,23,259 12 7		5,23,259 12 7	4,060 6 6	5,25,728 1 6	5,29,788 8 0	6,528 11 5	..
<i>Second Circle.</i>								
Direction	2,170 7 8		2,170 7 8	..	2,240 9 5	2,240 9 5	70 1 9	..
Guntur	67,844 8 9		67,844 8 9	440 1 6	67,918 8 6	68,358 10 0	514 1 3	..
Kurnool, East	89,566 3 8		89,566 3 8	1,078 14 11	89,267 1 11	90,346 0 10	779 13 2	..
Do. South	91,291 7 10		91,291 7 10	329 18 2	91,206 14 8	91,636 11 10	245 4 0	..
Do. West	1,26,148 8 3		1,26,148 8 3	955 4 8	1,25,826 14 8	1,26,782 3 4	633 11 1	..
Bellary	60,898 5 5		60,898 5 5	62 2 11	61,127 10 0	61,189 12 11	291 7 6	..
Anantapur	67,436 15 10		67,436 15 10	283 0 1	67,452 3 11	67,735 4 0	298 4 2	..
Total	5,05,356 9 5		5,05,356 9 5	3,149 5 3	5,05,039 15 1	5,08,189 4 4	2,832 10 11	..
<i>Third Circle.</i>								
Direction	2,829 9 8		2,829 9 8	25 15 8	2,816 14 2	2,842 13 10	13 4 2	..
North Cuddapah	74,482 15 6		74,482 15 6	30 14 4	74,564 6 4	74,595 4 8	112 5 2	..
South do.	95,923 12 9		95,923 12 9	457 7 0	96,186 15 6	96,644 6 5	720 9 8	..
West do.	77,347 4 6		77,347 4 6	334 8 4	80,406 12 2	80,741 4 6	3,394 0 0	..
Nellore	97,502 7 9		97,502 7 9	9 13 9	97,784 14 7	97,724 12 4	292 4 7	..
Chittoor	1,48,079 4 6		1,48,079 4 6	3,532 8 2	1,44,942 4 9	1,48,474 12 11	395 8 5	..
North Vellore	52,179 7 9		52,179 7 9	392 0 9	51,341 15 2	52,233 15 11	54 8 2	..
Chingleput	54,020 10 3		54,020 10 3	620 8 0	53,635 14 11	54,266 6 11	235 12 8	..
Total	6,02,365 8 8		6,02,365 8 8	5,403 12 0	6,02,180 1 6	6,07,583 13 6	5,218 4 10	..
<i>Fourth Circle.</i>								
Direction	1,235 11 9		1,235 11 9	37 15 1	1,231 0 3	1,268 15 4	33 3 7	..
South Vellore	52,860 14 9		52,860 14 9	598 2 7	52,606 13 1	53,104 15 8	244 0 11	..
West do.	49,501 8 8		49,501 8 8	293 5 10	49,357 13 9	49,651 3 7	149 10 11	..
East Salem	59,134 0 2		59,134 0 2	1,524 12 8	58,277 15 3	59,802 11 11	668 11 9	..
North do.	82,830 2 1		82,830 2 1	208 12 7	83,373 5 5	83,640 2 0	809 15 11	..
Central do.	56,971 14 1		56,971 14 1	666 7 4	56,747 3 0	57,413 10 4	441 10 3	..
South do.	74,798 9 10		74,798 9 10	936 1 6	74,622 7 2	75,558 8 8	759 14 10	..
Forest Engineer's Office	22,074 9 5		22,074 9 5	1,202 11 2	21,400 3 4	22,602 14 6	528 5 1	..
Total	3,99,407 6 9		3,99,407 6 9	5,526 4 9	3,97,516 13 3	4,03,043 2 0	3,635 11 3	..
<i>Fifth Circle.</i>								
Direction	17,887 0 2		17,887 0 2	7 3 9	19,486 15 5	19,494 3 2	1,607 3 0	..
Madura	1,44,556 3 10		1,44,556 3 10	755 10 10	1,45,679 5 3	1,46,435 0 1	1,878 12 8	..
Tinnevely	96,839 13 6		96,839 13 6	2,989 11 2	95,019 3 7	98,008 14 9	1,169 1 3	..
Kollegal	68,505 5 8		68,505 5 8	333 4 9	68,196 6 1	68,629 10 10	24 5 2	..
Coimbatore, North	1,26,954 14 7		1,26,954 14 7	483 14 5	1,26,561 11 10	1,27,045 10 3	90 11 8	..
Do. South	2,08,331 14 2		2,08,331 14 2	564 12 1	2,09,901 8 2	2,10,466 4 3	2,134 6 1	..
Total	6,63,075 3 11		6,63,075 3 11	5,134 9 0	6,64,845 2 4	6,69,979 11 4	6,904 7 5	..
<i>Sixth Circle.</i>								
Direction	11,891 0 10		11,891 0 10	12,558 3 6	(a) 628 3 6	11,930 0 0	28 15 2	..
the Nilgiris	1,67,184 14 7		1,67,184 14 7	1,165 4 10	1,87,393 13 7	1,68,559 2 5	1,374 3 10	..
Wynad	94,846 7 11		94,846 7 11	497 6 5	94,770 5 6	95,287 11 11	421 4 0	..
Nilambur	1,21,025 2 8		1,21,025 2 8	6,119 12 9	1,24,353 3 5	1,30,473 0 2	9,447 13 6	..
Mangalore, North	77,098 7 0		77,098 7 0	185 7 7	76,931 10 5	77,117 2 0	18 11 0	..
Do. South	87,366 3 5		87,366 3 5	1,399 3 3	86,257 11 1	87,656 14 4	290 10 11	..
Forest Research office	10,597 11 3		10,597 11 3	1,029 10 11	10,013 11 3	11,043 6 2	445 10 11	..
Palghat	2,15,593 3 1		2,15,593 3 1	3,396 13 2	2,13,716 13 2	2,17,113 10 4	1,520 7 3	..
Total	7,85,603 2 9		7,85,603 2 9	26,351 14 5	7,72,809 0 11	7,99,160 15 4	13,557 12 7	..
Grand total, Presidency	34,79,132 13 0		34,79,932 13 0	50,491 4 10	34,68,119 2 7	35,18,610 9 5	38,677 10 5	..

(a) Due to the transfer to Nilambur division of a debit of Rs. 1,944-5-1, being balance of advance paid to the Inspector of Livestock, Calicut, for the purchase of bulls for Government at Dharwar.

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 16th August 1922.

C. SUBRAHMANYA AYYAR,
Deputy Accountant-General.

ANNUAL FORM No. 82.

Forest Department, Madras Presidency.

Revenue received and outstandings on account of revenue during 1921-22.

District,	Particulars.	Outstandings at commencement of year.			Value of sales and other revenue during year.			Total.			Amount realized during year.			Balance due the department at end of year.
		RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	RS.	A.	P.	
<i>First Circle.</i>														
Direction	Timber and other forest produce.	..	..	..	1,350	0	0	1,350	0	0	1,350	0	0	..
Ganjam	Do.	3,098	2	6	69,057	5	9	72,155	8	8	68,442	0	0	3,696
Visagapatam	Do.	12,090	10	8	40,006	5	10	52,097	0	6	49,721	0	0	2,376
Godavari, Upper	Do.	274	14	3	48,327	15	2	48,602	13	5	45,968	0	0	2,634
Do. Lower	Do.	5,803	4	0	1,85,192	14	10	1,90,496	2	10	1,89,692	0	0	804
Kistna	Do.	1,379	2	4	61,498	8	0	62,787	5	4	60,318	0	0	2,469
	Total ..	22,146	1	9	4,05,342	12	7	4,27,488	14	4	415,508	0	0	11,980
<i>Second Circle.</i>														
Direction	Timber and other forest produce.	..	..	..	15	0	0	15	0	0	15	0	0	..
Bellary	Do.	5,019	7	0	92,809	4	0	98,328	11	0	97,014	0	0	1,314
Anantapur	Do.	19,002	10	6	1,54,838	11	5	1,73,841	5	11	1,69,879	0	0	8,911
Guntur	Do.	1,594	10	0	1,06,646	14	0	1,08,241	8	0	1,07,084	0	0	1,157
Kurnool, East	Do.	50	0	0	69,569	4	0	69,619	4	0	65,339	0	0	4,230
Do. South	Do.	101	8	0	84,277	12	0	84,379	4	0	82,624	0	0	(c) 1,755
Do. West	Do.	15,166	7	3	1,07,727	0	9	1,22,893	8	0	1,09,646	0	0	95
	Total ..	40,984	10	9	6,16,383	14	2	6,57,318	8	11	6,30,263	0	0	12,464
											(a) 13,253	3	2	
<i>Third Circle.</i>														
Cuddapah, North	Timber and other forest produce.	7,700	12	0	40,141	4	10	47,732	0	10	41,545	2	4	6,186
Do. South	Do.	15,389	0	0	36,850	11	6	52,239	11	6	35,321	9	6	16,918
Do. West	Do.	7,928	11	6	71,769	5	5	79,698	0	11	70,823	9	2	8,874
Nellore	Do.	52,016	6	10	2,37,051	14	4	2,88,970	9	2	2,39,023	1	7	49,947
Chingleput	Do.	5,267	0	3	63,580	11	11	68,774	4	2	64,014	10	2	4,759
Chittoor	Do.	17,270	4	5	1,43,515	5	5	1,45,970	5	5	1,36,062	5	6	9,907
Vellore, North	Do.	14,331	14	1	1,57,561	14	5	1,71,399	14	5	1,24,926	0	10	46,473
	Total ..	1,19,954	1	1	7,50,471	3	10	8,54,784	14	5	7,11,716	7	1	1,43,068
		15,640	6	6										
<i>Fourth Circle.</i>														
Direction	Timber and other forest produce.	..	..	..	2,306	0	0	2,306	0	0	2,306	0	0	..
Vellore, South	Do.	57,590	4	8	1,91,777	4	5	2,49,307	9	1	2,25,027	0	0	21,437
Do. West	Do.	9,803	2	11	1,55,401	2	5	1,65,204	5	4	1,57,267	0	0	7,937
Salem, East	Do.	18,010	2	5	1,63,750	4	5	1,81,760	6	10	1,73,428	0	0	7,339
Do. North	Do.	7,185	15	8	2,02,578	9	5	2,09,764	9	1	1,94,324	0	0	13,211
Do. Central	Do.	24,010	13	4	1,05,223	4	3	1,29,234	1	7	1,18,382	0	0	7,186
Do. South	Do.	10,084	14	5	1,69,185	1	7	1,79,270	0	0	1,73,481	0	0	5,779
Forest Engineer	Do.	..	..	..	67	0	0	67	0	0	10	0	0	..
	Total ..	1,26,685	5	5	9,90,228	10	6	11,16,913	15	11	10,44,282	0	0	62,941
											(a) 9,690	11	9	

Note for First Circle. (a) Out of total outstandings of Rs. 11,980-14-4 the amount actually due on or before 31st March 1922 was Rs. 10,132-12-6.
 (a) Written off the accounts.
 (b) Written off as irrecoverable.

Note for Second Circle. (a) Out of the amount Rs. 755 alone fell due within the year.
 (b) Out of the amount Rs. 375 alone fell due within the year.
 (c) (Rs. 13,152-8-0) written off by Government in their Proceedings Mis. No. 2280, dated 14th December 1921.

Note for Third Circle. (a) Elimination on account of erroneous demand.
 (b) Written off as irrecoverable under G.O. Mis. No. 2044, Development, dated 1st November 1921.
 (c) Do. under Chief Conservator's Proceedings No. 1053-Rout., dated 8th July 1921.

Note for Fourth Circle. (a) Written off the accounts

Revenue received and outstandings on account of revenue during 1921-22—cont.

District.	Particulars.	Outstandings at commence- ment of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.
<i>Fifth Circle.</i>						
Kollégál	Timber and other forest produce.	Rs. A. P. 3,913 0 0	Rs. A. P. 91,310 1 11	Rs. A. P. 95,223 1 11	Rs. A. P. 94,080 4 8	Rs. A. P. 1,142 13 8
Coimbatore, North	Do.	4,285 0 0	3,74,242 2 10	3,78,527 2 10	3,40,471 7 0	38,056 11 10
Do. South	Do.	92,486 3 4	3,81,557 7 4	4,24,043 10 8	3,52,150 4 6	70,893 6 2
Madura	Do.	76,455 7 1	1,61,499 0 1	2,37,954 7 2	1,86,393 5 8	51,161 14 7
Tinnevely	Do.	69,911 15 0	2,08,817 2 2	2,78,729 1 2	2,05,416 13 2	73,812 4 0
Direction	Do.	..	86 2 1	86 2 1	86 2 1	..
Forest Engineer	Do.	..	169 6 2	169 6 2	169 6 2	..
	Total ..	2,47,051 9 5	11,67,681 6 7	14,14,733 0 0	11,79,767 10 10 399 3 4	2,84,566 1 10
<i>Sixth Circle.</i>						
Mangalore, North	Timber and other forest produce.	19,852 7 6	95,232 11 0	1,15,085 2 6	96,243 10 10 (a) 1,071 3 7	17,770 4 1
Do. South	Do.	10,374 14 5	60,551 10 3	70,926 8 8	60,719 15 3 (a) 5,919 9 7	4,286 16 10
Wynaad	Do.	1,63,218 2 7	75,698 11 3	2,38,916 13 10	1,34,992 7 5 (a) 885 0 0	1,03,539 6 5
Nilambur	Do.	1,48,522 5 0	1,68,701 5 11	3,17,223 10 11	2,82,012 14 7 (a) 1,09,946 6 1	35,210 12 4
The Nilgiri	Do.	12,712 8 2	1,05,377 8 2	1,18,090 0 4	194 15 1 (a)	7,948 11 2
Palghat	Do.	17,879 0 3	1,62,102 0 9	1,72,962 7 7	1,56,799 2 0	16,153 5 7
Forest Research Office Direction	Do.	* — 7,028 9 5	25 13 5	25 13 5	25 13 5	..
	Do.	..	18 0 0	18 0 0	18 0 0	..
	Total ..	3,65,530 12 6	6,67,707 12 9	10,33,238 9 3	8,40,758 5 7 (a) 7,570 12 3	1,84,909 7 5
Grand total, Presidency ..		9,06,662 2 5	45,97,815 12 5	55,04,477 14 10	48,53,197 6 0	6,51,260 8 10

Note for Fifth Circle. { * Written off the accounts.
Note.—Of the total outstandings of Rs. 2,34,556-1-10 the amount actually due on or before 31st March 1922 was Rs. 85,907-3-6.

Note for Sixth Circle. { (a) Amounts written off or removed from demand, owing to cancellation of sales.
* Transferred to V Circle on account of Mettupalaiyam range.
Note.—Out of the total outstandings of Rs. 1,84,909-7-5, the amount actually due on or before 31st March 1922, was Rs. 1,67,533-7-5.

FOREST DEPARTMENT

lxi

ANNUAL FORM No. 83.
Forest Department, Madras Presidency.
Financial results of the year 1921-22.

District.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts	Charges.	Charges.	Receipts.	Charges.
<i>First Circle.</i>							
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam	11,722	3,73,309	57,363	25,000	1,22,961	69,085	5,21,270
Vizagapatam	852	1,644	48,533	47,137	11,592	49,385	60,173
Godavari, Upper	24,397	15,641	21,679	31,159	47,867	45,976	97,667
Do. Lower	1,051	9,460	1,95,213	1,04,938	20,225	1,96,264	1,34,623
Kistna	140	4,940	64,432	37,460	14,936	64,572	57,306
Total	38,162	4,04,994	3,87,120	2,48,694	2,17,351	(a) 4,25,282 -10,230	8,71,039
<i>Second Circle.</i>							
Bellary	120	..	96,896	54,397	24,236	97,016	78,633
Anantapur	90	47	1,69,792	64,372	27,177	1,69,882	91,596
Gunthur	142	..	1,03,944	66,307	31,575	1,07,086	97,682
Kurnool, East	16,627	6,449	48,715	65,001	33,299	65,342	1,06,749
Do. South	638	166	81,988	75,943	38,401	82,626	1,14,510
Do. West	24,316	22,674	85,333	96,339	40,039	1,09,649	1,59,052
Total	41,933	31,336	5,89,668	4,22,359	1,94,527	6,31,601	6,48,222
<i>Third Circle.</i>							
Caddapah, North	125	..	41,420	63,630	27,911	41,545	91,541
Do. South	2,593	475	32,729	77,889	40,920	35,322	1,19,284
Do. West	140	..	70,833	60,979	29,122	70,823	90,101
Nellore	69,126	7,451	1,69,897	89,862	39,336	2,39,023	1,36,649
Chingleput	69	12	63,946	53,876	25,188	64,015	79,076
Chittoor	1,588	504	1,34,474	99,912	58,277	1,36,062	1,58,693
Vellore, North	830	135	1,24,096	42,000	26,131	1,24,926	63,266
Total	74,471	8,577	6,37,245	4,88,148	2,46,885	7,11,716 (a) -10,748	7,43,410
<i>Fourth Circle.</i>							
Vellore, South	98,323	8,235	1,26,771	69,299	40,783	2,25,094	1,16,317
Do. West	86,300	7,856	70,967	49,125	12,939	1,57,267	69,920
Salem, East	19,700	3,556	1,53,728	69,175	17,332	1,73,428	90,063
Do. North	1,46,985	24,295	47,339	45,490	27,430	1,94,324	97,215
Do. Central	10,161	2,433	1,08,221	60,790	15,791	1,18,382	79,014
Do. South	11,833	2,028	1,61,648	72,271	17,039	1,73,481	91,338
Total	3,73,302	48,403	6,68,674	3,66,150	1,31,314	10,41,976 (a) - 9,964 (c) - 2,306	5,45,867
<i>Fifth Circle.</i>							
Kollegal	35,072	6,732	59,059	57,210	23,470	94,131	87,412
Coimbatore, North	2,13,370	26,610	1,27,151	82,029	44,642	3,40,521	1,51,281
Do. South	2,31,632	1,71,866	1,21,570	39,083	55,260	8,53,202	2,66,229
Madura	2,242	2,371	1,84,206	72,507	71,333	1,86,448	1,46,211
Tinnevely	1,927	1,945	2,03,541	81,407	48,966	2,05,468	1,32,318
Total	4,84,243	2,09,544	6,95,527	3,32,236	2,41,671	(d) 11,79,770 (a) - 2,460	7,83,451
<i>Sixth Circle.</i>							
Mangalore, North	20,452	9,923	75,795	49,278	22,845	96,217	82,047
Do. South	26,590	56,241	34,133	27,626	22,415	60,723	1,06,282
Wynnad	95,335	80,088	39,611	24,052	28,708	1,34,996	1,31,848
Nilambur	2,69,069	1,07,375	12,947	10,437	44,401	2,82,016	1,62,213
The Nilgiris	73,853	1,55,158	56,598	26,221	48,968	1,09,949	2,30,347
Palghat	70,075	1,66,600	85,727	49,962	1,27,247	1,56,802	3,43,809
Forest research office	13	..	13	..	37,345	26	37,345
Total	5,54,937	5,75,385	2,85,822	1,86,576	3,31,970	8,40,759 (a) - 1,305	10,93,891 (b) + 2,845
Grand total, Presidency.	15,67,048	12,78,239	32,64,056	20,44,163	13,63,678	47,93,491	46,48,925

(a) Refunds.

(b) Added as per Accountant-General's audited figures.

(c) Excludes Rs 2,306 being revenue realized from other circles.

(d) Includes amounts credited in the Nilgiri and South Vellore divisions.

* The figures under total—Receipts do not tally with those given in Form No. 80.

ANNUAL FORM No. 84.

PART I.

Forest Department, Madras Presidency.

Statement of elephants and other live-stock during 1921-22.

District.	On hand at the commencement of the year.		Number received during the year.	Number disposed of during the year.	On hand at the end of the year.		Total expenditure on maintenance during the year.
	Number.	Value.			Number.	Value.	
(1) ELEPHANTS.							
<i>First Circle.</i>							
Godavari, Upper	2	Rs. 3,700	..	..	2	Rs. 3,700	Rs. A. P. 2,023 14 8
<i>Second Circle.</i>							
Kurnool, West	2	5,000	..	..	2	5,000	2,036 2 2
<i>Third Circle—Nil.</i>							
<i>Fourth Circle—Nil.</i>							
<i>Fifth Circle.</i>							
Coimbatore, South	22	75,500	6	2	26	89,500	19,924 13 11
<i>Sixth Circle.</i>							
Mangalore, South	2	10,000	..	..	2	10,000	2,833 4 7
Wynaad	29	79,900	7	15	21	74,800	23,014 9 5
Nilambur	24	92,000	9	26	7	81,600	(a) 26,914 5 9
The Nilgiris	86	76,700	50	9	77	1,82,900	49,487 1 4
Palghat	8	27,300	..	8	..	..	..
Total ..	99	2,85,900	66	58	107	2,98,700	1,02,199 5 1
Grand Total—Elephants—Presidency.	125	3,70,100	72	60	137	3,96,900	1,26,184 8 5
(2) OTHER LIVE-STOCK.							
<i>First Circle.</i>							
Genjam	53	1,937	15	24	44	2,281	5,419 12 4
<i>Second Circle.</i>							
Kurnool, West	12	780	..	2	10	715	911 11 1
<i>Third Circle.</i>							
Chingleput	1	35	..	..	1	35	20 0 0
Chittoor	3	122	..	..	3	122	3 0 0
Total ..	4	157	..	..	4	157	23 0 0
<i>Fourth Circle—Nil.</i>							
<i>Fifth Circle.</i>							
Coimbatore, South	64	4,440	9	5	68	5,095	22,200 0 1
<i>Sixth Circle.</i>							
Mangalore, South	12	1,015	..	2	10	845	3,294 8 1
Wynaad .. ..	..	..	50	8	42	3,201	4,599 3 2
Nilambur	85	6,196	..	77	8	..	(a)
The Nilgiris	11	1,324	12	..	23	(b) 3,369	7,524 6 3
Palghat	40	2,793	72	54	58	4,564	26,927 12 0
Total ..	148	11,328*	134	141	141	11,979	42,345 13 9
Grand Total—Other Live-stock—Presidency.	281	18,642	168	172	267	20,177	70,900 5 0

(a) Includes expenditure on maintenance of buffaloes.

(b) Information is not available.

FOREST DEPARTMENT

PART II.

Forest Department, Madras Presidency.

Statement of elephants gone off the list during the year 1921-22.

District.	Names.	When purchased or otherwise obtained by Government.	Age.	How disposed of.
<i>First Circle—Nil.</i>				
<i>Second Circle—Nil.</i>				
<i>Third Circle—Nil.</i>				
<i>Fourth Circle—Nil.</i>				
<i>Fifth Circle.</i>				
Coimbatore, South.	1. Nandan ..	Captured on 25th September 1920 ..	5	Died on 22nd May 1921. Do. 21st March 1922.
	2. Ambal ..	Do. 19th September 1920 ..	25	
<i>Sixth Circle.</i>				
Mangalore, South.
Wynaad	1. Sampson ..	Purchased 1885 ..	49	Died on 26th Feb. 1922. Transferred to the Nilgiris.
	2. Pooch ..	Born on 17th November 1918 ..	3	
	3. Haig ..	Born on 26th November 1918 ..	3	
	4. Ganesh ..	Captured in 3rd August 1919 ..	10	
	5. Narayani ..	Do. 11th September 1919 ..	10	
	6. Sundar ..	Do. 7th July 1919 ..	4	
	7. Kukmani ..	Do. 22nd December 1919 ..	8	
	8. Mohan ..	Do. 23rd December 1919 ..	6	
	9. Lilly ..	Do. 14th October 1918 ..	47	
	10. Paru ..	Do. 24th February 1921 ..	10	
	11. Kalyani ..	Do. 27th February 1921 ..	8	
	12. Sundari ..	Do. Do. ..	1	
	13. Rathi ..	Do. 5th April 1921 ..	6	
	14. Rahu ..	Do. Do. ..	7	
	15. Banu ..	Do. 8th June 1921 ..	2	
Nilambur	1. Togo ..	Captured on 19th June 1905 ..	18	Transferred to the Nilgiris
	2. Murree ..	Do. 20th March 1905 ..	24	
	3. Moola Baksh ..	Do. 6th April 1911 ..	21	
	4. Kamala ..	Do. 3rd February 1912 ..	28	
	5. Shankar ..	Do. 21st May 1907 ..	18	
	6. Caesar ..	Do. 12th February 1910 ..	16	
	7. Rholly ..	Do. 17th April 1906 ..	19	
	8. Bhavani ..	Do. 9th April 1913 ..	18	
	9. Jhelum ..	Do. 27th June 1902 ..	33	
	10. Godavari ..	Do. 12th March 1915 ..	30	
	11. Kurokki ..	Do. 19th February 1905 ..	23	
	12. Lira ..	Do. 7th March 1909 ..	28	
	13. Norah ..	Do. 12th March 1906 ..	24	
14. Sita ..	Do. 13th September 1895 ..	32		
15. Kuttiparu ..	Do. 25th August 1907 ..	22		
16. Sulej ..	Do. 27th February 1902 ..	31		
17. Tamburatti ..	Do. 3rd February 1913 ..	22		
18. Sirdar ..	Do. 7th August 1906 ..	21		
19. Jhelum ..	Captured in January 1886 ..	44		
20. Jampari ..	Purchased in March 1903 ..	47		
21. Padmini ..	Captured on 10th February 1896 ..	53		
22. Damayanti ..	Do. 21st January 1915 ..	31		
23. Savitri ..	Do. 14th May 1912 ..	42		
24. Forester ..	Do. 16th March 1906 ..	22		
25. Dostijehan ..	Born on 3rd February 1912 ..	20	Died on 14th Feb. 1922. Joined the wild herd.	
26. Tara ..	Captured on 19th January 1921 ..	1		
The Nilgiris.	1. Norah ..	Captured on 12th March 1906 ..	24	Transferred to Nilambur on 13th May 1921. Died on 22nd May 1921. Transferred to Wynaad. Died on 15th Nov. 1921. Died on 30th Jan. 1922. Died on 8th Feb. 1922. Died on 27th March 1922. Died on 13th Feb. 1922. Died on 19th Jan. 1922.
	2. Moyar ..	Born on 28th November 1919 ..	2	
	3. Caesar ..	Captured on 12th February 1910 ..	17	
	4. Banu ..	Do. 8th June 1921 ..	2	
	5. Kalyani ..	Do. 27th February 1921 ..	3	
	6. Lilly ..	Do. 14th October 1918 ..	47	
	7. Nakula ..	Do. 18th June 1921 ..	8	
	8. Sukumara ..	Captured in infancy on 1st February 1922 ..	..
	9. Calf of Parvati ..	Born on 2nd January 1922 ..	..
Palghat	1. Murree ..	Captured on 20th March 1905 ..	24	Transferred to Nilambur in May 1921.
	2. Chaukar ..	Do. 21st May 1907 ..	18	
	3. Kamala ..	Do. 3rd February 1922 ..	28	
	4. Moola Baksh ..	Do. 6th April 1911 ..	24	
	5. Kurokki ..	Do. 19th February 1905 ..	23	
	6. Togo ..	Do. 19th June 1905 ..	18	
	7. Caesar ..	Do. 12th February 1910 ..	16	
	8. Rholly ..	Do. 17th April 1906 ..	19	

REPORT OF THE
Annual Form No. 85.
Statement, Madras Presidency.
of stores, tools and plant for 1921-22.

	Stores		Tools		Difference in value.	
	On hand at the commencement of the year.		On hand at the end of the year.		In favour of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.
First Circle.						
Direction ..	1	Rs. 400	1	Rs. 400	371	Rs. 4,357
Ganjam ..	122	47,239	123	50,938	4,398	6,910
Vizagapatam ..	62	10,641	66	13,466	1,724	4,343
Godavari, Upper ..	128	33,449	126	38,480	3,664	13,247
Godavari, Lower ..	157	45,250	157	45,250	2,281	4,820
Kistna ..	36	5,708	36	6,656	1,824	3,954
Total ..	506	1,42,685	509	1,55,140	14,162	47,631
Second Circle.						
Direction ..					20	481
Bellary ..	40	45,597	38	41,578	3,242	13,258
Anantapur ..	32	47,676	32	50,629	2,850	5,763
Guntur ..	27	12,155	28	14,215	2,701	7,299
Karnool, East ..	91	70,180	82	72,292	(a) 4,082	11,076
Do. South ..	70	52,208	68	51,802	2,664	7,665
Do. West ..	70	91,817	67	93,795	4,257	21,692
Total ..	330	3,19,633	315	3,24,311	19,716	67,234
Third Circle.						
Direction ..					337	1,788
Cuddapah, North ..	47	21,145	47	22,784	1,497	3,628
Cuddapah, South ..	53	36,218	54	52,085	1,844	8,539
Cuddapah, West ..	34	14,046	34	13,276	1,869	7,356
Nellore ..	50	29,001	47	26,463	56,005	43,824
Chingleput ..	25	10,861	26	15,635	2,348	3,682
Chittoor ..	41	30,565	47	33,713	4,015	10,648
Vellore, North ..	37	19,438	36	19,793	1,549	4,514
Vernacular Training School ..					668	1,166
Total ..	287	1,61,274	291	1,83,755	70,132	85,050
Fourth Circle.						
Direction ..					220	1,753
Vellore, South ..	53	41,555	49	39,716	2,404	5,843
Do. West ..	(b) 36	2,8785	38	30,029	2,751	7,611
Salem, East ..	62	33,588	61	31,111	2,205	13,836
Do. North ..	53	26,175	57	29,670	2,854	5,282
Do. Central ..	69	54,621	71	53,103	2,686	15,106
Do. South ..	54	30,841	55	33,795	4,768	9,328
Vernacular Training School ..					996	1,990
Total ..	332	2,15,565	331	2,17,424	18,884	88,789
Fifth Circle.						
Direction ..	1	54	1	52	427	3,924
Kollegal ..	34	20,591	43	33,298	20,417	5,662
Coimbatore, North ..	77	95,427	92	1,01,867	2,656	10,153
Do. South ..	71	55,389	71	53,299	25,350	48,799
Palghat ..	124	1,02,769	126	1,08,670	3,231	6,029
Vernacular Training School ..					1,776	4,431
Total ..	287	2,45,540	303	2,63,556	53,917	1,18,605
Sixth Circle.						
Direction ..					256	1,503
Mangalore, North ..	51	29,100	51	29,800	(c) 808	4,979
Do. South ..	29	26,625	35	34,875	871	3,671
Wynad ..	59	55,909	94	68,514	2,504	6,310
Nilambur ..	(d) ..					2,645
The Nilgiris ..	74	38,621	75	39,723	2,613	10,492
Palghat ..	(e) 45	29,351	50	16,747	2,031	22,813
The Forest Research Officer ..	(f) 3	760	3	732	228	5,248
Total ..	291	1,77,966	309	1,90,391	9,055	53,013
Grand total, Presidency ..	2,166	13,43,391	2,197	14,22,063	1,86,601	4,24,792

* Difference between the closing balance of 1920-21 and the present opening balance is due to the adoption of correct figures furnished by the District Forest Officer. (a) East Kurnool.—The difference between the closing balance of previous year and the opening balance of this year is due to the adoption of correct figures furnished by the District Forest Officer. (b) The difference in the number of buildings in the opening balance is due to grouping of 10 separate buildings into 3 joint buildings. (c) Revised figure furnished by the District Forest Officer. (d) The statement has not been furnished by the District Forest Officer as the records were all destroyed in the Mappilla rebellion. (e) Excludes buildings and stores of the Mettupalaiyam range transferred to North Coimbatore division and includes those of the Mannerghat range transferred from the Nilambur division. (f) Figures furnished by the Forest Research Officer.