

36383

PROGRESS REPORT
OF
FOREST ADMINISTRATION
IN
COORG
FOR
1910-1911

DIGITIZED

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PROGRESS REPORT
OF
FOREST ADMINISTRATION

IN
COORG

FOR
1910-1911.

By H. TIREMAN, Esq.,
Deputy Conservator of Forests,

WITH A REVIEW BY THE CHIEF COMMISSIONER

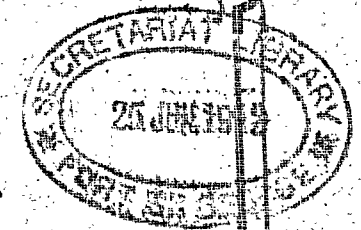
AND

ORDERS BY THE GOVERNMENT OF INDIA.

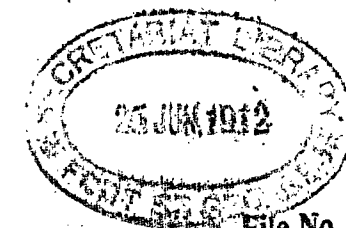
BANGALORE:

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1912.



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JB. 21315-2 N10
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No. 231-F-315-2, dated Simla, the 26th April 1912.

File No. 315 of 1912.

From—The Hon'ble Mr. E. D. MACLAGAN, C.S.I., I.C.S., Secretary to the Government of India, Department of Revenue and Agriculture, Serial No. 2.

To—The Chief Commissioner of Coorg.

I am directed to acknowledge the receipt of Mr. Warburton's letter No. 2981, dated the 5th December 1911, with which was forwarded the report on forest administration in Coorg for the year 1910-11, together with your orders thereon.

2. The Government of India note with regret the considerable area of forest burnt during the year and the great amount of damage done. They agree that the problem of dealing with the lantana, both in reserved forests and paisari lands, is an important one, and they will be glad to see active measures taken to minimise the damage done by this pest.

3. The working-plans in Coorg have come, or will very shortly come, to an end, and the preparation of new ones should be taken in hand as soon as possible. These plans should deal with the whole forest area in Coorg, and the measures decided upon as regards the eradication of the lantana should be incorporated in them.

4. It is unfortunate that the spike disease continues to do so great damage to sandal trees, and the Government of India fear that the future supply of this valuable product in Coorg is being endangered. They will be glad to see continued investigation into the cause of this disease both by the local officers and by the experts at Dehra Dun, and consider that systematic efforts should be made to increase the supply of sandal both in reserved forests and Government waste lands.

5. Notwithstanding the fall in the price obtained for sandal wood, the financial results were considerably better than in the previous year.

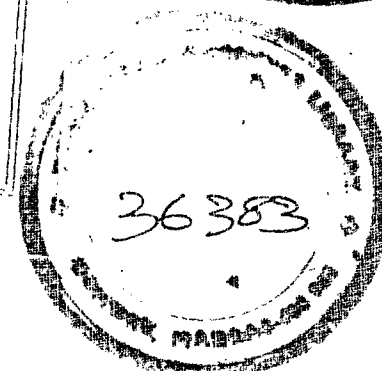
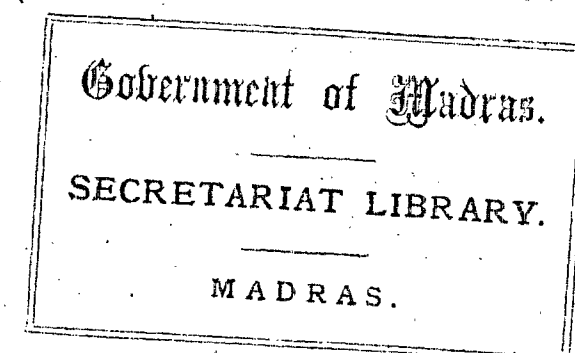
This was principally due to increased exploitation of forest produce, both by departmental agency and by purchasers and is satisfactory.

6. A note prepared by the Inspector-General of Forests after his inspection of the Coorg forests has recently been forwarded to you and will doubtless receive your careful consideration.

No. 232-F.

Endorsed by the Government of India, Department of Revenue and Agriculture.

Copy forwarded to the Inspector-General of Forests for information and necessary action as regards working-plans and investigation into the cause of the spike disease.



3/10

*Proceedings of the Chief Commissioner of Coorg,
(Forests),—No. 2921, dated Bangalore, the 24th November 1911.*

READ :—

Letter from the Commissioner of Coorg, Dis. C. No. 206-9, dated the 15th November 1911, submitting the progress report on the Forest Administration in Coorg for the year which ended on the 30th June 1911.

ORDER THEREON.—No. 2921, DATED BANGALORE, THE 24TH NOVEMBER 1911.

The long pending question relating to the assessment of the *jama* cardamom *malles* in Coorg has been finally settled. The assessment has been confirmed by the Chief Commissioner for a period of 30 years commencing from the 1st April 1911.

2. The area burnt during the year 1910—11 was 4,764 acres, which compares unfavourably with the corresponding figures for all but one of the previous ten years :—

				Acres.
1900—01	...	...	...	1,483
1901—02	...	...	...	170
1902—03	...	...	...	2,946
1903—04	...	...	...	1,881
1904—05	...	...	...	1,187
1905—06	...	...	...	885
1906—07	...	...	...	...
1907—08	...	...	...	1,698
1908—09	...	...	...	12,164
1909—10	...	...	...	221

Owing to a delay in the setting in of the monsoon in North Coorg, the fire season was a dry one in that area, and, as is to be expected, the dense growth of lantana lent its aid to the spread of fires. The problem of dealing with lantana in reserved forests is an important one, and it is hoped that during the visit of the Inspector-General of Forests in December 1911, a suitable scheme will be drawn up. In the meantime a provision of Rs. 49,500 has been proposed in the forest budget for the ensuing year, which has been submitted to the Government of India.

3. The eradication of lantana from Government paisari (waste) lands is also engaging the attention of the local revenue authorities. The clearance of this pest from paisaris is necessary not only to save the adjoining private holdings from the damage to which they are exposed from the annual fires fostered by this inflammable shrub, but also to prevent the destruction of the revenue producing sandal trees which grow so well in paisaris. To enable the local officers to make a beginning in dealing with this side of the lantana question, the Government of India have been asked to sanction a grant of Rs. 2,000 in the budget for 1912—13.

4. The work of protective burning of grass fires was undertaken by the revenue officers during the year without the assistance of a special staff. The patels and ryots willingly complied with the instructions given and co-operated in the work. A sum of Rs. 947—10—0 was sanctioned by the Chief Commissioner for distribution as rewards to them. The undertaking is one of very considerable dimensions, but cannot fail to be productive of good, or at least, preventive of evil. It is mainly a question of educating the ryots who seem to be both willing and anxious to learn. Close supervision will be needed by the Revenue and Forest Executive, but no special staff appears to be required.

5. It is satisfactory that the spiko disease of sandal trees has not extended into areas not previously affected, but it is to be regretted that it appears to be as severe as ever in its accustomed habitat.

2. COMMUNICATIONS AND BUILDINGS.

(a) Roads and Bridges.

6. Rs. 1,790 were spent on repairs to existing roads. The only new work undertaken was the part building of a bridge on the Tittimatti-Aramanebane road on which Rs. 40 were spent.

(b) Buildings.

7. No new work was done. Rs. 1,000 were spent on repairs.

(c) Miscellaneous Works.

8. The cost of clearing compounds and wells was Rs. 49.

3. PROTECTION OF FORESTS.

(a) General protection.

9. The subjoined table compares the cases reported during the year with those of the previous year.

Nature of offence.	Criminal courts.		Compounded.		Total.	
	1909-10.	1910-11.	1909-10.	1910-11.	1909-10.	1910-11.
Injury by fire	3	1	1	1	4	2
Unauthorised felling	4	1	3	8	7	9
Do. grazing	...	...	5	10	5	10
Other offences	2	2	16	1	18	3
Total	9	4	25	10	34	24

The reason for the decline in the number of cases reported is the elimination of cases of damage to sandal trees on private lands which can scarcely be classed as "Forest offences". Of four cases taken into court three ended in conviction and one was pending at the close of the year. There were no cases of any importance. Rs. 92 were collected as compensation fees.

(b) Protection from fire.

10. The results of protection in South Coorg were good, only 430 acres being burnt out of some 89,000 acres. This area was burnt by an incendiary fire in Hatgat forest, but no offender could be found.

In North Coorg the rains were very late and the season was a most unfavourable one the greater part of Anekad being burnt. This forest is densely covered with lantana and once the fire had started it was impossible to stop it. Immense damage to valuable trees has been done and in my opinion unless the lantana can be eradicated it is only a matter of time before the tree growth is all destroyed. Fire cannot be kept out for indefinite periods, and when it occurs it cannot be checked. It would probably be better to burn lantana-infested forests annually as in that way less damage would be done than occurs when lantana has been carefully protected and allowed to become dense.

The following statement shows the causes of the several fires:—

I. Fires due to preventable causes.				II. Other fires.							
Fires originating in departmental fire conservancy operations.		External fires crossing the fire traces.		Fires due to carelessness of outsiders.		Fires originating from intention or malice.		Unknown causes.		Total.	
No.	Acres.	No.	Acres.	No.	Acres.	No.	Acres.	No.	Acres.	No.	Acres.
4	134	5	127	...	...	9	4,503	...	...	18	4,764

(c) Protection from cattle.

11. Sixty-nine per cent. of the reserves were open to grazing for half the year. The number of cattle admitted on payment was 1,882 against 2,602 during the previous year. The revenue realized including sale of grass was Rs. 753. The number of cattle impounded was 67.

(d) Protection against injuries from natural causes.

12. *Sandal spike disease.* 20,859 affected trees were uprooted as compared with 27,000 in the previous year. As far as I am aware the disease has not extended into areas not previously attacked but it appears to be as severe as ever in its accustomed habitat. The expenditure on uprootals was Rs. 1,265 as compared with Rs. 3,099 during the previous year. The difference is due to the fact that owing to the gross negligence of the Ranger chiefly concerned with the work in the previous year certain subordinates were enabled to practice considerable frauds. The Ranger was reduced to Deputy Ranger for this and other misbehaviour, and two Foresters were dismissed.

I have recently noticed a similar disease attacking a *Cassia fistula* growing near the Fort at Fraserpet.

13. *Lantana.* This pest was uprooted in 567 acres of teak kumris at a cost of Rs. 443. Several experiments were made with a view to ascertaining the best and cheapest method of eradicating dense *lantana*. In my opinion the eradication of lantana from the reserves and sandalwood bearing paisaris is by far the most pressing problem at present confronting us.

4. SYLVICULTURE.

(a) Natural reproduction.

14. Owing to the fact that seedlings of the chief species die down annually during the first few years of their existence, shooting up again in the rains it is in my opinion difficult if not impossible to state definitely that in any specific year reproduction has been good or the reverse. In the ghât forests seedlings of *Artocarpus hirsuta*, *Dysoxylon Malabaricum*, *Hopea*, *Lagerstroemia microcarpa*, and *Xylia Dolabriformis* are reported to have come up well, but it is doubtful whether these are the results of the year's seeding. In the deciduous forests seedlings of *Terminalia tomentosa* and *Anogeissus latifolia* are abundant, and there is a fair stock of seedlings of *Dalbergia latifolia*, and *Pterocarpus marsupium*. Teak reproduction is however, unsatisfactory. This fact is chiefly due to the excellent results of the fire protection for the last 10 years, a dense undergrowth having sprung up under which it is practically impossible for teak to germinate. Experiments are now in progress with a view to ascertaining the best methods of aiding reproduction by thinning the undergrowth, and possibly by a judicious use of fire.

(b) *Artificial reproduction.*(i) *Regular plantations.*

15. Certain small items of work such as climber cutting, removal of lantana, etc., were carried out in the old regular plantations.

(ii) *Teak Kumris (taungyas).*

16. Nurseries were opened for planting up 25 acres of kumris in South Coorg (Gonigadde kumri), and 195 acres in the ghât forests at Karike and Mundrote. The planting was in progress at the end of the year and has since been completed.

The kumris in South Coorg referred to in last year's report were planted in the rains of 1910. They are doing well, and it is reported that about 80 per cent. of the plants have established themselves. Casualties were replaced during the year.

The 100 acres on the ghâts referred to in last year's report were planted in the rains of 1909. About 60 per cent. of the plants are successful. Casualties were replaced during the year.

The kumris of previous years were weeded and cleaned where necessary.

In Dubare Reserve in North Coorg a nursery was formed and a clearing made for planting, but owing to the continual rain after the first showers—before which it was not considered safe to burn—the clearing could not be burnt. It will be planted next rains. Casualties were replaced and weeding was carried out in kumris of previous years.

A sum of Rs. 107 was expended in rewards for 8,573 established plants.

Weeding and cleaning 1,366 acres cost Rs. 2,340.

(iii) *Cultural Operations.*

17. 50 acres in Hatgat reserve, 50 acres in Meenkolli and 72 acres in Malambi and adjoining reserves were silted with sandalwood seed. Some damage has been done by rats and squirrels in Hatgat and Malambi, but the results of the sowings are reported to be good. In Meenkolli no damage has as yet been done, and the results are excellent.

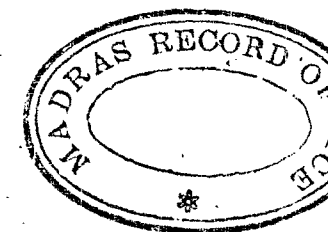
The cost of these operations has been Rs. 155 which includes putting up a strong fence round the Hatgat area.

1,278 dead bamboo clumps were burnt, and seed of teak and other trees sown in the blanks. The operation was a new one, and the sowing was done somewhat late, in consequence of which germination has not been as good as it might otherwise have been. Teak and other valuable species were also sown in blanks caused by removal of trees in recent coupes and evergreen or nearly evergreen species such as *Eugenia*, *Pongamia*, *Shorea laccifera*, *Olea dioica*, *Cedrela toona*, *Artocarpus hirsuta* and *integrifolia*, and *Schleichera trijuga* were sown along stream beds in recent coupes, and under teak in the younger kumris.

The cost of these operations was Rs. 281.

(c) *Operations for the improvement of the growing stock.*

18. Climber cutting and the removal of inferior species were carried out over 3,619 acres at a cost of Rs. 572.

(d) *Experiments.*

19. On 3 areas of 8 acres each in Hatgat and Cauvery Ranges experiments were undertaken to ascertain how best to aid natural regeneration. Portions of these areas were burnt, portions were thinned of undergrowth, and other portions left to nature. The results will be watched this year.

Experiments were also undertaken to ascertain the cheapest methods of eradicating lantana.

5. *EXPLOITATION.*(a) *System of Management.*

20. The system of management was the same as in the previous year.

(b) *Agency of Exploitation.*(i) *Departmental Agency.*

21. The balance in hand at the beginning of the year was 6,943 c. ft. The fellings of the year amounted to 170,805 c. ft. including 8,556 c. ft. of *Anogeissus* poles for supply to the Kolar Mines.

The total sales amounted to 147,008 c. ft. and realized Rs. 1,01,194. The balance on hand at the end of the year was 30,740 c. ft. The difference between the balance at the beginning and end of the year is due partly to larger fellings allowing of larger rejections by purchasers, and partly to the fact that about 12,000 c. ft. of *Dalbergia latifolia* timber were cut late in the season for sale to a certain dealer who actually purchased this stock after the close of the year.

22. *Charcoal.* 16,000 c. ft. of fuel were converted into charcoal for the use of the Public Works Department and the Government offices and sold for Rs. 640.

23. *Sandalwood.* A balance of 44 tons of clean wood and 30 tons of rough wood was brought over from the previous year. (The figure 51 tons shown in the last year's report as balance carried over was wrong). During the year 213 tons of rough wood were collected and altogether 205 tons were converted into 198 tons of clean wood. Out of a total of 242 tons of clean wood, 181 tons were sold for Rs. 82,728 an average of Rs. 457 per ton as against Rs. 473 per ton during the previous year. After deducting 10 tons for dryage the balance carried forward at the end of the year was 51 tons of clean wood and 38 tons of rough wood. The cost of collection and conversion was Rs. 5,000 and in addition a sum of Rs. 38 was spent in advertising sales and other contingent charges.

Unfortunately the recovery in the market hoped for in the last year's report did not occur and there was a further drop in the average price of Rs. 16 per ton. I cannot account for this as the average price realized by the Mysore State was Rs. 63 per ton higher than that realized the previous year.

The total value of the disposals of the year under departmental collection amounted to Rs. 1,85,410.

(ii) *Purchasers.*

24. In the ghât forests 37,405 c. ft. of marked timber were sold for Rs. 7,537 as against 37,284 c. ft. sold for Rs. 7,070 in the previous year.

2,750 c. ft. of branch pieces were similarly disposed of from other reserved forests (Hatgat and Mawkal) for Rs. 782.

Rs. 2,270 were contributed from paisari lands for 11,350 c. ft. as well as Rs. 39,789 from darkhast lands, timber from lands demised for rubber cultivation alone realizing Rs. 25,255.

25. *Other produce.* 23,570 c. ft. of fuel, 83,920 bamboos, 71,800 reeds were removed from reserved forests whilst 47,500 c. ft. of fuel and 44,000 bamboos were sold from waste lands. The grazing revenue was Rs. 753 including leases of swamps and sale of grass. The auctions of minor forest produce realized Rs. 1,842 and cardamom leases brought in Rs. 18,003.

The total value of the removals by purchasers was Rs. 72,569 against Rs. 46,757 during the previous year. The increase is due to the large receipts from timber on lands demised for rubber cultivation.

(iii) *Rights and Privileges.*

Nil.

(iv) *Free grants.*

26. The only free grants made during the year were for grazing the value of which at full rates was Rs. 52.

(c) *Outturn and sources of Forest Produce.*

27. The total outturn of the year is summarised in the following table :—

Source of yield.	Major produce.			Minor produce.		
	Timber.	Sandalwood.	Fuel.	Bamboos.	Grass and grazing.	Other produce.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Reserved forests ...	1,34,594	...	280	720	753	} 19,845
Unreserved lands ...	16,804	83,576	1,171	236	...	
Total ...	1,51,398	83,576	1,451	956	753	19,845

28. The total expenditure under the head of "Management of State Forests" was as follows :—

			Rs.
A. Conservancy and Works	...	...	47,407
B. Establishments	...	...	63,011
Total	...	...	1,10,418

CHAPTER III.

FINANCIAL RESULTS.

29. The following table compares the revenue and expenditure of the year with that of previous year :—

Year.	Revenue.	Expenditure.	Surplus.
	Rs.	Rs.	Rs.
1909—1910 ...	2,38,596	1,06,541	1,32,055
1910—1911 ...	2,72,833	1,10,418	1,62,415
Average of 5 years ending 1908—1909 ...	2,34,631	97,725	1,36,906

The revenue shows an increase of Rs. 34,237 contributed as follows :—

	Rs.
(1) Departmental timber	24,000
(2) Purchasers' timber	27,000
(3) Other sources	2,000

30. The increase under (1) is due to larger quantity of *Dalbergia latifolia* sold for export to Europe and the higher rate paid for this produce.

The increase under (2) is due to the value of timber from rubber grants.

The increase under (3) is due to larger receipts from sale of elephants.

There was a decrease under sandalwood of Rs. 19,230 as explained in paragraph 23 above.

31. With reference to expenditure, there was an increase of Rs. 3,000 due principally to increased felling and carting of *Dalbergia latifolia*.

The percentages of expenditure under A. Conservancy and Works and B. Establishments respectively to total expenditure were 43 and 57.

There was no outstanding revenue at the close of the year.

CHAPTER IV.

ADMINISTRATION.

32. Mr. McCarthy was in charge of the division from 1st July 1910 to 18th October. Mr. Mascarenhas was in charge from that date till the 23rd January 1911 when he was relieved by the writer who has been in charge since that date. Mr. Mascarenhas was in charge of the sub-division during the year.

Conduct of the establishment.

33. Mr. Mascarenhas, the Extra Assistant Conservator, has continued to do excellent work. He is a most energetic officer.

34. The conduct of the subordinate establishment was unsatisfactory. One Ranger was reduced from 5th grade Ranger to 2nd grade Deputy Ranger in connection with the illegal arrest of the Patel referred to in paragraph 13 of last year's report and for gross slackness in connection with frauds committed by two Foresters. These two Foresters were dismissed and a third reduced for these frauds. A Forester was suspended and is under trial for the illegal arrest of the above-mentioned Patel. One Deputy Ranger was suspended for four months, and one Forester for a year, and another for three months for disobedience and bad work and two Foresters were temporarily reduced.

The Commissioner's annual inspection of the office was favourable.

CHAPTER V.

GENERAL.

35. *Elephant capturing operations.* The eight elephants captured during the previous year were sold for Rs. 12,975. Eight elephants were captured one of which—I regret to say—killed its Mahout and has since been shot. There were 17 animals in stock at the beginning of the year and the same number at the end. The cost of capturing eight elephants amounted to Rs. 1,021 and the feed and keep of the whole stud cost Rs. 6,904.

The elephants are on the whole in excellent condition. The Veterinary Assistant at Gonikoppal has inspected them from time to time and has prescribed for and treated their ailments.

36. The matter of fire-protection along the Mysore border has been temporarily settled, and it has been arranged that the Durbar shall widen the frontier fire-lines, while we on our part cut a narrow line for counterfiring purposes 150 yards behind the frontier.

37. Uncorrected proofs of all but three of the Survey of India sheets have been received, and it is hoped that the survey of the areas still remaining will be completed during the current year.

Measures for the prevention of denudation of forest growth in catchment areas of streams.

Protective burning of grass hills.

38. Operations were conducted in 69 villages, upwards of 33,000 acres of grass land being burnt between 11th January and 2nd March. I have not been able to inspect more than one locality, but from what I saw there the operations seem to have been effective in preventing the entry of fire into the sholas.

Felling of timber in abandoned coffee estates.

39. An executive order has been issued by the Commissioner to the effect that lands held on reduced assessment from which timber is removed for sale, or felled to any considerable extent will be liable to be fully assessed.

Reservation of stream margins in grants for cultivation of rubber or fibre.

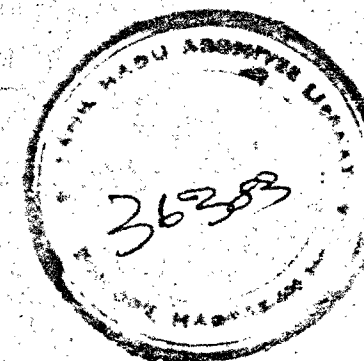
40. In all new grants a condition has been laid down requiring the reservation of 30 yards of jungle on either side of a water course. In the case of older grants where the land is already private property an appeal was issued to the owners in November 1910 asking them not to fell jungle along the courses of rivers or streams.

MERCARA,
Dated 27th September 1911.

H. WIDEMAN,
Deputy Conservator of Forests, Coorg.

List of Annual Returns to the Progress Report of Forest Administration in Coorg for 1910—1911.

Form No.	Name of Form.
51	Area of reserved and protected forests.
52	Forest settlements.
53	Demarcation of boundaries.
55	Progress made in working-plans.
56	Communications and buildings.
57	Breaches of forest rules.
58	Forest tracts protected from fire.
59	Area closed and open to grazing.
60	Grazing in State forests.
61	Artificial reproduction.
62	Outturn of timber and fuel.
63	Outturn of minor forest-produce.
64	Amount of timber, &c., in depots and sold locally.
65	Abstract of value of timber and stock.
66	Abstract of value of live and dead stock.
67	Summary of revenue and expenditure.
68	Account current.
69	Outstandings on account of revenue.
70	Outstandings and liabilities of contractors and disbursers.
71	Financial results.



Form No. 51
FOREST DEPARTMENT, COCOCO
Area of Reserved Forests, 1910-1911

Division	Range	Name of Forest	Area as of July 1910		Area as of July 1911	Area as of July 1912	Area as of July 1913	Area as of July 1914	Remarks
			Acres	Sq. Miles					
Cococo	Cococo	Cococo Forest							
Cococo	Cococo	Cococo Forest							
Cococo	Cococo	Cococo Forest							
Total			1,234,567	190	1,234,567	190	1,234,567	190	

Form No. 52
Statement showing the progress made in, and the expenditure incurred in, forest settlements during 1910-1911

Name of Forest		Area as of July 1910	Area as of July 1911	Area as of July 1912	Area as of July 1913	Area as of July 1914	Remarks
Name of Forest	Section	Acres	Sq. Miles	Acres	Sq. Miles	Acres	Sq. Miles

FORM
FOREST DEPART-
Record of demarcation and

Division.	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.
	Miles.	Miles.	Miles.	Miles.
...	...	...	307	307
Total.....	...	...	307	307

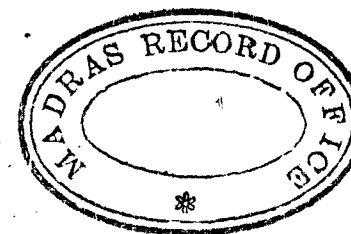
FORM
FOREST DEPART-
Progress made in Working-

Division.	Areas for which working-plans have been sanctioned by Local Govt.		Areas for which working-plans are being compiled.		Areas for which working-plans have still to be taken in hand.
	At commencement of year.	During year.	At commencement of year.	Taken in hand during year.	
1	2	3	4	5	6
	Sq. Miles.	Sq. Miles.	Sq. Miles.	Sq. Miles.	Sq. Miles.
Coorg ...	130	...	48	...	342
Total.....	130	...	48	...	342
					RESERVED LANDS
Total.....	...	...	...	...	...
					PROTECTED FORESTS.
Total.....	...	...	...	...	...
Grand Total.....	130	...	48	...	342

No. 53.

MENT, COORG.

maintenance of boundaries, 1910—1911.



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.		Remarks.
			On new work.	On repairs.	
Miles.	Miles.	Miles.	Rs.	Rs.	
173	56	536	...	(a) 84	(a) This sum was spent on repairs to cairns where required.
173	56	536	...	84	

No. 55.

MENT, COORG.

Plans, 1910—1911.

Total forest area as in Form No. 51.	Entire cost per square mile of working-plans completed.	Remarks.
7	8	9
Sq. Miles.	Rs.	
520	*64	* Average.
520	64	
(UNDER SEC. 4.)		
...	...	
...	...	
...	...	
520	64	

FORM No. 56.

FOREST DEPARTMENT, COORG.

Communications and Buildings during 1910—1911.

Division.	New work undertaken during the year.						Repairs executed during the year.					
	Buildings.			Roads and Paths.			Buildings.			Roads and Paths.		
	Description of Buildings.	Expenditure incurred.	Road or path and object of the same.	Length of road or path.	Expenditure incurred.	Total expended on new work.	Nature of repairs.	Expenditure incurred.	Nature of repairs.	Length repaired.	Expenditure incurred.	Total expended on repairs.
		Rs.		Miles.	Rs.	Rs.		Rs.		M. F.	Rs.	Rs.
Coorg.	Head-Quarter houses	...	Cart tracks	...	...	...	Head-Quarter houses	387	Cart tracks. Digging side drains & clearing of vegetation.	112	1,254	1641
	Houses for subordinates.	...	Bridle paths for inspection.	...	...	...	Houses for subordinates.	503	Bridle paths for inspection.	70	300	803
	Others	...	Others	...	40	40	Others	110	Others	...	236	346
	Total	...		...	40	40		1,000		182	1,790	2790

FORM No. 57.

Register of breaches of Forest Rules during 1910—1911.

Forest Division.	Cases pending from 1909-10.	New cases of the year.							Disposed of during the year.						Cases pending at close of year.	
		Injury to forest by fire.	Unauthorized felling or preparation of wood and minor forest produce.	Grazing without permission, or in trails in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Convictions.		Acquittals.		Total.				
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.			
Coorg	{ A. B. C.	1 2 ...	1 1 ...	1 9 ...	10 ...	2 1 ...	4 29 ...	5 23 ...	4 21 ...	12 54 ...	...	...	...	4 21 ...	12 54 ...	1 1 ...
Grand Total	{ A. B. C.	1 2 ...	1 1 ...	1 9 ...	10 ...	2 1 ...	4 20 ...	5 22 ...	4 21 ...	12 54 ...	...	...	...	4 21 ...	12 54 ...	1 1 ...

FORM No. 58.

Area of forest tracts protected from fire during the forest year 1910—1911.

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1909-10.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
Coorg.	Hatgat	1878	53,551	53,551	430	53,121	1,948	
	Mawhal	1878	35,936	35,936	...	35,936	1,750	
	Canvery	1876	38,472	38,552	1,101	34,451	2,087	
	Sandal	1877	3,980	4,021	213	3,808		
	Katumpolle	1881	978	978	...	978	82	
	Mercara	1883	324	324	20	304	180	
	Total	...	1,33,141	1,33,362	4,764	1,28,598	6,056	

FORM No. 59.

FOREST DEPARTMENT, COORG.

Area closed and open to grazing during 1910—1911.

Division.	Area in square miles.						Remarks.
	Closed to all animals.		Closed to browsers (camels, goats, or sheep.)		Open to all animals.	Total area.	
	Whole year.	Part of year.	Whole year.	Part of year.			
Coorg	169	351	520	RESERVED FORESTS.		520	
Total	169	351	520			520	
			RESERVED LANDS (UNDER SEC. 4.)				
Total							
				PROTECTED FORESTS.			
Total							
Grand Total	169	351	520			520	

FORM No. 60.

Return of grazing in the State Forests of Coorg during 1910—1911.

Division.	Grazing on payment. Number of animals.						Grazing free. Number of animals.						Grand total of value at full rates.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	At full rates.			At privileged rates.			By right under settlement.			During pleasure of Government or otherwise than under settlement.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
	Buffaloes.	Cows & bullocks.	Goats & sheep.	Camels.	Other animals.	Fees received.	Buffaloes.	Cows & bullocks.	Goats & sheep.	Camels.	Other animals.	Value of fees at full rates.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
														Actual.	Fees received.	Value of fees at full rates.	Actual.	Fees received.	Value of fees at full rates.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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*Exclusive of—
 (1) Lease of swamps ... Rs. 171
 (2) Sale of grass ... " 70
 Total Rs. 241

FORM No. 61.

FOREST DEPARTMENT, COORG.

Artificial Reproduction.

Division.	Kind of Plantation.	Area in acres.			Expenditure during the year.			Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.	Remarks.
		On 1st July 1910.	Added during the year.	Excluded during the year.	Area on 30th June 1911.	Creation.	Up-keep.	Creation.	Up-keep.			
1	2	3	4	5	6	7	8	9	10	11	12	13
Coorg.	REGULAR.											
	Sandal plantations	722	...	...	722	...	155	14,440	26,583	...	2,120	
	Teak do	1,138	...	...	1,138	...	156	56,500	44,173	...	1,953	
	Peewood do	292	...	...	292	...	...	6,050	9,716	...	795	
	Total regular plantations	2,002	...	...	2,062	...	311	77,400	80,463	...	4,868	
	TAUNGYA.											
	Kumris	1,523	220	...	1,753	107	2,340	8,337	16,928	...	...	
	Total taungya plantations	1,523	220	...	1,753	107	2,340	8,337	16,928	...	...	
	CULTURAL OPERATIONS.											
	Cultural operations	4,126	172	...	4,298	*577	...	9,290	...	...	...	
	Total cultural operations	4,126	172	...	4,298	577	...	9,290	...	...	...	
	Grand Total	7,721	392	...	8,113	984	2,631	95,927	9,7094	...	4,868	*Includes Rs. 209 spent on experiments.

FORM No. 62.

FOREST DEPARTMENT, COORG.

Outturn (in cubic feet solid) of Timber and Fuel during the year 1910---1911, and Agency of Exploitation.

Division.	Timber in the rough; logs.				Timber in the rough; poles.				Sawn or squared timber.				Sandalwood.				Fuel.				Total.
	Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Government.	Purchasers.	Free Grantees.	Right holders.	Total.	
Coorg	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	c. ft.	
	(a)	37,405	...	...	1,99,654	(a)	2,750	...	...	11,306	...	...	...	...	...	...	23,570	...	...	23,570	
	1,62,249	37,405	...	...	1,99,654	8,556	2,750	...	...	11,306	...	...	...	...	...	...	23,570	...	...	23,570	
	Total	1,62,249	37,405	...	...	1,99,654	8,556	2,750	...	...	11,306	...	...	...	...	...	...	23,570	...	...	23,570
Total	...	2,04,800	...	...	2,04,800	...	...	...	...	...	9,000	...	...	...	9,000	16,000	47,500	...	...	63,500	
	...	2,04,800	...	...	2,04,800	...	...	...	...	...	9,000	...	...	...	9,000	16,000	47,500	...	...	63,500	
	...	2,04,800	...	...	2,04,800	...	...	...	...	...	9,000	...	...	...	9,000	16,000	47,500	...	...	63,500	
	Total	...	2,04,800	...	...	2,04,800	...	...	...	...	...	9,000	...	...	...	9,000	16,000	47,500	...	...	63,500
Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Total	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Grand Total	1,62,249	2,42,205	...	...	4,04,454	8,556	2,750	...	...	11,306	...	...	...	...	9,000	16,000	71,070	...	...	87,070	

(a) Actuals.—Other figures are estimates obtained as per details below:—
 1 Cartload of poles=25 c. ft. Pole=1 c. ft. Pole=10 c. ft.
 16 Head loads=1 cartload or 25 c. ft. Pole=10 c. ft.
 6 c. ft. of charcoal=1 cartload of fuel=25 c. ft.

FORM No. 63.

FOREST DEPARTMENT, COORG.

Outturn of minor forest produce during the forest year 1910—1911.

Description of produce.	Produce removed or utilized.										Remarks.
	By Govern- ment agency.		By purchas- ers.		By free grants.		By right holders.		Total.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
<i>Reserved Forests.</i>		Rs.		Rs.		Rs.		Rs.		Rs.	
Bamboos	...	...	83,320	...	770	...	...	...	83,320	...	770
Reeds	...	...	71,800	...	...	...	...	...	71,800	...	...
Minor produce including cardamoms	...	...	...	19,845	...	...	...	...	...	19,845	...
Grazing	...	...	...	753	...	...	...	52	...	805	...
Total.....	...	...	1,55,720	21,868	...	...	...	52	1,55,720	21,420	...
<i>Protected Forests.</i>											
Bamboos	...	...	44,000	186	...	...	...	...	44,000	186	...
Total.....	...	...	44,000	186	...	...	...	...	44,000	186	...
<i>Unclassed State Forests.</i>											
Bamboos	...	...	...	...	...	...	...	...	...	...	...
Reeds	...	...	...	...	...	...	...	...	...	...	...
Total.....	...	...	...	...	...	...	...	...	...	...	...
Grand Total.....	...	...	1,99,720	21,554	...	...	...	52	1,99,720	21,606	...

FORM No. 64.

Account of timber and other produce cut or collected by Government agency and brought to depots, sold locally or otherwise disposed of during the year 1910—1911.

Name of Division.	Balance at close of year in forests and sale depots.	Received during the year.	Total.	Disposed of dur- ing the year.	Balance in hand at close of the year in forests and sale depots.	
Coorg.	6,948	Timber 1,79,895	1,77,748	1,47,098	(off.) 39,740	
Total timber.....	6,948	1,79,895	1,77,748	1,47,098	39,740	
	*44	Clean Sandalwood (tons) 198	242	191	51	4 Sold ... 181 Tons Dryage... 10 "
Total sandalwood.....	44	198	242	191	51	Total..... 191 "
	30	Rough Sandalwood (tons) 213	243	205	38	
Total rough.....	30	213	243	205	38	
	...	Fuel (cubic feet) 16,000	16,000	16,000	...	
Total fuel.....	...	16,000	16,000	16,000	...	

*The balance in hand shown as 51 tons in Form No. 64 of last year was wrong. It should have been 44 tons.

FORM No. 65.

Abstract showing the value of timber and other produce at sale-depots for the year 1910—1911.

Description of timber and other produce.	On hand at commence- ment of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	Tons.	Value. Rs.	No.	Tons.	Value. Rs.	In favor of the year.	Against the year.	
<i>Sandalwood.</i>									
Good wood ...	...	28	13,382	...	43	21,342	7,960	...	
Chips ...	...	16	640	...	8	320	...	320	
Rough wood...	...	30	5,100	...	38	6,400	1,360	...	
Total.....	...	74	19,122	...	89	28,022	9,220	320	

*The closing balance of good wood shown as 35 tons in Form No. 65 of last year was wrong. It should have been 28 tons.

FORM No. 66.

FOREST DEPARTMENT, COORG.

Abstract showing the Value of Live and Dead Stock for the year 1910—1911.

Description of live and dead stock.	On hand at commence- ment of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value. Rs.	No.	Value. Rs.	In favor of the year.	Against the year.	
1	2	3	4	5	6	7	8
Elephants	17	17,000	17	17,000	...	...	
Total live stock.....	17	17,000	17	17,000	...	...	
Buildings	112	26,210	112	24,600	...	1,310	
Survey instruments	92	550	94	535	...	15	
Tools	1,648	2,050	1,538	2,300	250	...	
Furniture	467	1,000	494	1,120	120	...	
Tents	10	900	10	855	...	45	
Miscellaneous	293	850	366	960	110	...	
Total dead stock.....	2,962	31,560	3,014	30,670	490	1,270	
Grand Total.....							

FORM No. 67.

Summary of revenue and expenditure for 1910—1911.

Budget heads.		Total.	
REVENUE.			
I.—Timber and other produce removed from the forests by Government agency—			
a. Timber	...	1,01,194	0 0
b. Firewood and charcoal	...	640	0 0
c. Bamboos	...	...	...
d. Sandal-wood	...	83,576	0 0
e. Grass and other minor produce	...	...	...
Total I.....		1,85,410	0 0
II.—Timber and other produce removed from the forests by consumers or purchasers—			
a. Timber	...	56,294	0 0
b. Firewood and charcoal	...	811	0 0
c. Bamboos	...	956	0 0
d. Grazing and fodder grass	...	753	0 0
e. Other minor produce	...	1,842	0 0
f. Cardamoms	...	18,063	0 0
Total II.....		72,569	0 0
III.—Drift and waif wood, and confiscated forest produce—		6	...
Total III.....		6	...
IV.—Revenue from forests not managed by Government—			
a. Duty on foreign timber and other forest produce	...	...	...
b. Revenue from shared and private forests	...	...	...
Total IV.....		...	...
V.—Miscellaneous—			
a. Fines and forfeitures	...	3	0 0
b. Refunds	...	14,845	0 0
c. Other sources	...	...	...
Total V.....		14,848	0 0
Total Revenue.....		2,72,833	0 0

FORM No. 67.—(Continued.)

FOREST DEPARTMENT, COORG.

Summary of revenue and expenditure for 1910—1911.—(Continued.)

Budget heads.	Total.		
EXPENDITURE.			
A.—CONSERVANCY AND WORKS.			
I.—Timber and other produce removed from the forests by Government agency—			
a. Timber	16,573	0	0
b. Firewood and charcoal	591	0	0
c. Bamboos	5,038	0	0
d. Sandal-wood	13	0	0
e. Grass and other minor produce			
Total A I.....	22,220	0	0
II.—Timber and other produce removed from the forests by consumers or purchasers			
III.—Drift and waif wood and confiscated forest produce			
IV.—Revenue from forests not managed by government—			
a. Duty on foreign timber and other forest produce			
b. Revenue from shared and private forests			
V.—Rent of leased forests and payments to shareholders in forests managed by Government			
VI.—Live-stock, stores, tools and plant—			
a. Purchase of cattle	1,122	0	0
b. Feed and keep of cattle	7,402	0	0
c. Purchase of stores, tools and plant	870	0	0
Total A VI.....	9,394	0	0
VII.—Communications and buildings—			
a. Roads and bridges	1,830	0	0
b. Buildings	1,090	0	0
c. Other works	49	0	0
Total A VII.....	2,879	0	0
VIII.—Organization, improvement and extension of forests—			
a. Demarcation	84	0	0
b. Cost of settlements; compensation for land and rights			
c. Surveys	169	0	0
d. Working-plans	4,584	0	0
e. Sowing and planting	6,055	0	0
f. Protection from fire	991	0	0
g. Other works			
Total A VIII.....	11,823	0	0
IX.—Miscellaneous—			
a. Law charges	16	0	0
b. Other charges	1,075	0	0
Total A IX.....	1,091	0	0
Total A.—Conservancy and Works.....	47,407	0	0
B.—ESTABLISHMENTS.			
I.—Salaries—			
a. Conservators	18,106	0	0
b. Superior officers	20,052	0	0
c. Subordinate forest and depot establishments	4,538	0	0
d. Office establishments	10,588	0	0
e. Deputation and special allowances			
f. Exchange compensation allowance			
Total B I.....	53,284	0	0
II.—Travelling allowances—			
a. Conservators	3,895	0	0
b. Superior officers	3,977	0	0
c. Subordinate forest and depot establishments	794	0	0
d. Office establishments			
Total B II.....	7,766	0	0
III.—Contingencies—			
a. Stationery	16	0	0
b. Carriage of tents and records	687	0	0
c. Rents, rates and taxes	27	0	0
d. Pay of police guards	613	0	0
e. Official postage	588	0	0
f. Sundries			
Compensation for dearness of provisions			
Total B III.....	1,961	0	0
Total B.—Establishments.....	63,011	0	0
Grand Total of all Expenditure.....	1,10,418	0	0
Surplus (+) or deficit (—)	+1,63,415	0	0

H. B. RAU,

Deputy Comptroller, India Treasuries.

FORM No. 68.

Account current for the forest year 1910—1911.

Dr.					Cr.
To cash balance					By I. Refunds & drawbacks
VIII Assessed taxes—					Expenditure during the
Income tax—Deductions from					Forest year
salaries	581	10	8		Forest deposits
Revenue during the Forest year.	2,72,833	1	3		Forest advances
Forest deposits					Suspense account
Forest advances	98,395	13	0		Savings Bank Deposits
Suspense account					Forest Officers' Provident Fund
Service Funds—					
Unconventional Service Family	370	0	0		Cash remittances—Local
Pension Fund, Bengal					Forest Remittances—
Savings Bank Deposits—					Remittances to Treasuries
Forest Officers' Provident Fund.	300	6	0		Unpaid cheques written back
General Provident Fund	1,421	11	0		Inter-divisional Transfers
Cash remittances—Local—Forest					Exchange account with other Governments—
Remittances—					Account between India & Madras
Forest cheques drawn	1,11,887	4	8		III Items adjustable by India
Inter-divisional Transfers					IV Items adjustable by Madras
Exchange account with other Governments—					Account between India and Madras
Account between India and Madras					III Items adjustable by India
III Items adjustable by India					IV Items adjustable by Madras
IV Items adjustable by Madras	19	9	7		Account between India and Madras
Account between India & Madras					III Items adjustable by India
III Items adjustable by India					Inter-departmental transfers—
(written back)					P. W. Department, Ordinary
Inter-departmental transfers—					Branches
P. W. Department, Ordinary					Military Supply Department
Branches					Military Dept., Secunderabad
Military Supply Department	410	12	4		Division
Military Dept., Secunderabad					Post Office Department
Division	493	13	4		Civil Departments
Post Office Department	3	0	0		
Civil Departments					
Total Rs.....			4,86,752	12	7
					Total Rs.....
					4,86,752
					12
					7

H. B. RAU,

Deputy Comptroller, India Treasuries.

FORM No. 69.

FOREST DEPARTMENT, COORG.

Revenue received and outstandings on account of revenue for 1910—1911.

Division.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during the year.	Total.	Amount realized during the year.	Balance due to the department at the end of the year.	Remarks.
R I. a.	Timber		1,01,191	0 0	1,01,191	0 0	
	b. Firewood		640	0 0	640	0 0	
	c. Bamboos						
	d. Sandalwood		83,576	0 0	83,576	0 0	
	e. Grass and other minor produce						
R II. a.	Timber		50,204	0 0	50,204	0 0	
	b. Firewood		811	0 0	811	0 0	
	c. Bamboos		956	0 0	956	0 0	
	d. Grazing and fodder grass		753	0 0	753	0 0	
	e. Minor forest produce		1,842	0 0	1,842	0 0	
R III. a.	Cardamoms		18,093	0 0	18,093	0 0	
	Drift and waif wood and confiscated produce.		6	0 0	6	0 0	
	R V. a. Fines & forfeitures						
	b. Refunds		3	0 0	3	0 0	
	c. Other sources		14,845	0 0	14,845	0 0	
	Total Rs.....		2,72,833	0 0	2,72,833	0 0	

H. FIREMAN,

Deputy Conservator of Forests, Coorg.

FORM No. 70.

Outstandings and liabilities on account of contractors and disbursers for the forest year 1910-11.

Division.	Department debtor.			Department creditor.			Balance due.		Remarks.
	Opening balance.	Recoveries in cost and value of supplies and work done during the year.	Total.	Opening balance.	Payments made during year.	Total.	To department, (outstandings.)	By department, (liabilities.)	
Coorg	...	98,395 13 9	98,395 13 9	4,157 0 1	1,03,277 15 2	1,07,434 15 2	9,039 1 5	...	...
Total Rs.....	...	98,395 13 9	98,395 13 9	4,157 0 1	1,03,277 15 2	1,07,434 15 2	9,039 1 5	...	...

H. B. RAU,
Deputy Comptroller, India Treasuries.

FORM No. 71.

Financial results of the year 1910-1911.

Division.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection & improvement of forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
Coorg	1,85,410	47,678	87,423	25,458	87,282	2,72,833	1,10,418	

H. TIREMAN,
Deputy Conservator of Forests, Coorg.

