

121

OFFICE OF THE CHIEF CONSERVATOR OF FORESTS,
Chepauk, Madras, dated the 13th October 1934.

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From

A. WIMBUSH, Esq., I.F.S.,
Chief Conservator of Forests,

To

THE SECRETARY TO GOVERNMENT,
DEVELOPMENT DEPARTMENT.

SIR,

[Administration Report—Forest Department—1933-34.]

I have the honour to submit the report of Forest administration for the year ending the 31st March 1934 and the summary of progress of Forest administration in the Madras Presidency for the quinquennium 1929-30 to 1933-34.

I have the honour to be,

Sir,

Your most obedient servant,

A. WIMBUSH,
Chief Conservator of Forests.

Copy to the Conservators of Forests.
,, Forest Utilization Officer.
,, Forest Engineer.
,, Principal, Forest College.
,, Inspector-General of Forests, Dehra Dun.

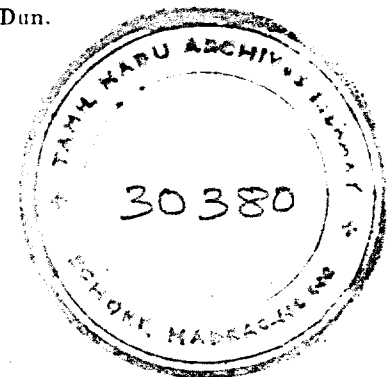


TABLE OF CONTENTS.

CHAPTER.	PARAS.
I Introduction	1- 4
II General Administration	5-57
(i) Alteration in area	5- 6
(ii) Forest settlement	7- 8
(iii) Demarcation	9
(iv) Survey	10-12
(v) Roads and communications	13-15
(vi) Buildings	16-17
(vii) Other works	18-19
(viii) Forest engineering	20-22
(ix) Livestock	23-26
(a) Elephants	23-25
(b) Cattle	26
(x) Breaches of Forest Act	27-36
(xi) Protection from fire	37-39
(xii) Protection from injuries from natural causes	40-49
(xiii) Forest panchayats	50-52
(xiv) Forest College	53-56
(xv) Vernacular Training School	57
III Sylviculture	58-69
IV Working Plans	70-75
V Utilization	76-116
(i) Supply of produce	76-105
(a) Timber	76-78
(b) Fuel	79-80
(c) Bamboos	81
(d) Sandalwood	82-83
(e) Grazing	84-90
(f) Minor produce	91-97
(g) Removal of forest produce by free grantees and right-holders	98
(h) General	99-105
(ii) Commercial undertakings	106-116
VI Finance	117-121
VII General	122-137
Summary of Progress of Forest Administration during the five years 1929-30 to 1933-34	PAGES.
Appendices and Annual Forms.	25-33

Proceedings of the Chief Conservator of Forests

Proceedings No. 450, Press, 13th October 1934

Administration Report—Forest Department—1933-34.

A. WIMBUSH, Esq., I.F.S.,
Chief Conservator of Forests.

Proceedings—No. 450, Press, dated 13th October 1934.

I.—INTRODUCTION.

The writer of this report held charge of the post of Chief Conservator of Forests throughout 1933-34. It was a year during which rigid economy had still to be practised. At such times there is a tendency for the executive staff to apply the lower standard of maintenance which is involved in repairing roads and buildings evenly throughout the unit in their charge. Actually there is great scope for estimating officers to show their skill by concentrating their attention upon the essential requirements of each portion of every road and of each building so as to ensure the greatest possible benefit being derived from the limited funds at their disposal.

2. From the administrative point of view the period has been one of transition. The drafting of various rules affecting the Forest Department as well as others has been exercising the attention of Government and it has become apparent that the evolution of rules which will attain their objects without becoming unworkable in practice or reducing efficiency below the margin of safety presents difficulty. Various practical difficulties have presented themselves in administering the new system under which the whole of the ministerial service of the department is borne on a self-contained cadre instead of being amalgamated to a great extent with the ministerial service of the Revenue Department as formerly.

3. During the course of the year detailed proposals for modifying the shooting rules and making radical changes in the administration of them were laid before Government whose orders thereon are awaited.

4. Owing to an abnormal and quite unjustifiable fall in the prices at which private contractors offered to supply sleepers to the railways an important decision had to be made involving the cessation of all sleeper extraction work during the following year.

II.—GENERAL ADMINISTRATION.

(i) ALTERATION IN AREA.

5. At the beginning of the year the area of Reserved forests was 18,993 square miles. There was a net decrease of six square miles during the year, which was mainly due to disreservation of areas in

the Coimbatore South division for assignment to planters. The total area at the close of the year was 18,987 square miles. It includes 3,335 square miles of ryots' forests, of which 3,270 square miles are under the control of the Board of Revenue, Land Revenue and Settlement, and 65 square miles under the control of the Forest Department having been retransferred to it owing to inability to form panchayats for them.

6. The area of Reserved lands at the beginning of the year was 565 square miles. There is a net increase of 56 square miles which is due to reservation of lands under section 4 of the Madras Forest Act in Vizagapatam and Godavari Lower and under section 26 in Ganjam. The area at the close of the year was 621 square miles.

(ii) FOREST SETTLEMENT.

7. The area under settlement at the beginning of the year was 187 square miles, to which 115 square miles were added during the year. An area of 16 square miles was finally settled leaving a balance of 286 square miles yet to be settled. Settlement operations were in progress mainly in Mangalore South, Vizagapatam and Godavari Upper and Lower divisions.

8. The selection and demarcation of blocks for further reservation in the Rampa Agency had to be suspended during the year, as the Rampa country is exempt from the operation of Chapter II of the Madras Forest Act. Steps have been taken to remedy this defect, as reservation of the Rampa forests is essential. In Vizagapatam, out of the five blocks selected for reservation in previous years, three were notified during the year and one after the close of the year. The remaining one is pending with the Revenue department. The preliminary demarcation of blocks for reservation in the Parlakimedi Maliahs had to be held over pending the settlement of the boundary of the New Orissa Province.

(iii) DEMARCATION.

9. Reserve boundaries were newly demarcated over a total length of 189 miles at a cost of Rs. 4,196. Out of a total length of 23,168 miles of artificial boundaries 20,578 miles were kept in repair, of which 18,081 miles were maintained by the subordinates free of cost or as part of fire protection operations, and the remaining 2,497 miles by paid labour at a cost of Rs. 10,376.

In Godavari Upper division 236 miles of boundaries between the zamindari (Dupati) and Government forests were recleared at a cost of Rs. 354. In Madura the common boundary lines between Government and zamindari forests were recleared and missing cairns were replaced at a cost of Rs. 467. In Mangalore South division 33 miles of the Mysore frontier boundary were fire-traced and cleared.

(iv) SURVEY.

10. The Survey of India Party surveyed part of the Parlakimedi Maliahs division and also the reserves in Palkonda range of Vizagapatam.

11. The Madras Survey Party have sent resurvey sketches of villages adjoining reserved forests in Godavari Lower and Salem South divisions; and these are under verification by the Divisional Forest Officers concerned.

12. The forest reference maps have been kept up to date.

(v) ROADS AND COMMUNICATIONS.

13. No new works costing more than Rs. 5,000 were executed. The total expenditure on new works was Rs. 10,377 and on repairs Rs. 88,832, as against Rs. 6,139 and Rs. 90,624, respectively, in the previous year. The amount of Rs. 88,832 includes Rs. 800 spent on the upkeep of the rolling stock and maintenance of 18 miles of tramway used in the Sriharikota range in the Nellore division.

14. Twenty-three miles of new roads, bridle paths and inspection paths were constructed and 2,283 miles of existing ones were repaired as against 40 miles and 1,976 miles, respectively, in the previous year. Owing to financial stringency the expenditure on new works and repairs was restricted to cases of absolute necessity.

15. Forest roads have been kept in as good repair as funds permitted.

(vi) BUILDINGS.

16. No new works costing over Rs. 5,000 were undertaken. The total expenditure on new works was Rs. 16,641 and on repairs Rupees 58,139 as against Rs. 10,852 and Rs. 55,331, respectively, in the previous year.

17. Forest buildings were kept in as good repair as funds allowed.

(vii) OTHER WORKS.

18. The total amount spent on other works, mainly construction and repair of wells amounted to Rs. 3,509 as against Rs. 5,914, in the previous year.

Improvement of water-supply in grazing grounds.

19. A sum of Rs. 1,037 was spent on the improvement of water-supply in grazing grounds in Guntur, Nellore, Kurnool East, South and West, Cuddapah South, Salem Central and Kollegal divisions, as against Rs. 824 in the previous year. In the Guntur division the people were also permitted to repair existing water sources in their grazing grounds.

(viii) FOREST ENGINEERING.

20. The construction of a causeway across the Serviar river in Tinnevely division was commenced during the year and investigations for making another at Kariar were made. They are for extraction of

timber and fuel, and will be negotiable always except when the river is in high flood. They are very much cheaper, of course, than bridges. Half their cost is being met by the Kattalamalai estate which will also be benefited by the construction.

21. The Forest Engineer took up the alignment of roads for the extraction of bamboos in Coimbatore North division and also the investigation of the possibility of improving the water-supply in the grazing grounds in Kollegal division. He carried out special repairs to the Divisional Forest Officer's bungalow at Olavakkot.

22. He also completed the disposal of the remaining assets of the Chenat Nair concern and the Sawmills and Extraction division.

(ix) LIVESTOCK.

(a) *Elephants.*

23. The number of elephants at the commencement of the year was 94 valued at Rs. 2,45,504. During the year five were captured in the Wynaad and Nilambur divisions, three calves were born, two transferred to the Executive Engineer, Koraput, and three were sold. The number at the end of the year was 97 valued at Rs. 2,32,025.

24. There were 33 cases of mud-sores among the elephants, the number being largest in Wynaad division.

25. The training of elephants to drag timber by the mouth has been extended and 39 elephants have been so trained. This method proved satisfactory to all concerned including the elephants.

(b) *Cattle.*

26. Other than elephants there were 27 animals valued at Rs. 1,908 at the commencement of the year. Two buffaloes were sold and two buffaloes died. At the end of the year there were 23 animals valued at Rs. 1,376.

(x) BREACHES OF THE FOREST ACT.

The following table compares the forest offences of all kinds reported during the year with those of the previous year.

	Injury to forests by fire.		Unauthorized felling.		Unauthorized grazing.		Other offences.		Total.	
	1932-33.	1933-34.	1932-33.	1933-34.	1932-33.	1933-34.	1932-33.	1933-34.	1932-33.	1933-34.
Cases.										
RESERVES.										
Cases taken to Court	19	25	5,494	1,229	1,259	1,229	354	519	6,750	7,267
Cases compounded	39	41	6,370	2,487	2,350	2,487	865	786	9,316	9,684
Cases undetected	1,212	1,320	393	31	1	31	7	4	1,564	1,718
Total	1,270	1,386	12,257	3,747	3,610	3,747	1,226	1,309	17,830	18,699
UNRESERVES.										
Cases taken to Court	133	33	2,207	236	466	236	147	138	3,046	2,614
Cases compounded	106	143	7,834	467	739	467	762	728	8,119	9,172
Cases undetected	227	87	11	33	..	33	2	..	476	131
Total	466	263	10,052	736	1,205	736	911	866	11,641	11,917
TOTAL OF RESERVES AND UNRESERVES.										
Cases taken to Court	152	58	7,701	1,465	1,725	1,465	501	541	9,796	9,765
Cases compounded	145	184	14,204	2,954	3,089	2,954	1,627	1,630	17,635	18,972
Cases undetected	1,439	1,407	404	64	1	64	9	4	2,010	1,879
Total	1,736	1,649	22,309	4,483	4,815	4,483	2,137	2,175	29,471	30,616

27. There has been an increase in all forms of offences reported. The increase is particularly noticeable under injury to forests by fire (9 per cent) which is due mainly to the severe summer.

28. Out of the 7,681 offences in reserved forests which were disposed of by Magistrates, the accused paid the compounding fees in courts in 4,082 cases and in 156 (or 4 per cent of the cases which actually went to trial) the accused were acquitted after trial. As regards offences in unreserves, 7 per cent of the cases actually taken to court ended in acquittal.

29. A sum of Rs. 1,68,209 was realized as compounding fees against Rs. 1,68,629 in the previous year. The average compounding fee per case and person was Rs. 15-14-9 and Rs. 6-11-4, respectively, as against Rs. 10-11-7 and Rs. 5-6-6, respectively, in the previous year.

30. The percentage of convictions in cases from reserved forests was 96 against 95 in the preceding year.

31. There has been a general improvement in the proportion of cases investigated by Rangers, but it is comparatively low in Guntur, Vellore, East and Salem Central divisions. The proportion of cases investigated by the Divisional Forest Officers still continues to be very small in several divisions, in spite of this defect having been pointed out in the previous year. Divisional Forest Officers should pay more attention to this in future.

32. During the year 28 sandalwood cases were reported as against 51 in the previous year. Of these, 4 cases were withdrawn, 9 were compounded and 15 were prosecuted, of which 10 ended in conviction, and 1 in acquittal; the rest are pending in court.

33. Rewards amounting to Rs. 1,495 were granted to forest subordinates, police officials and private individuals who assisted the department in the detection and prosecution of sandalwood cases and other serious offences. The rewards granted in the previous year amounted to Rs. 1,968.

34. During the year sandalwood transit rules were introduced in the Madura division. The introduction of the rules in the Nilgiris division is under consideration.

35. There was extensive illicit goat browsing in the Vontimitta range of Cuddapah North. In spite of measures taken to induce the ryots to dispose of their goats, their number increased from 465 to 1,164. Efforts are being made to reduce their number with the aid of the Revenue authorities.

36. One hundred and two cases of illicit shooting, hunting and poaching were reported as against 121 in the previous year. Of these 61 cases were compounded, 27 convicted, 4 withdrawn, 1 acquitted and 9 were under investigation at the close of the year. In addition, 18 cases of illicit snaring and fishing were reported during the year.

It is satisfactory to note that the preservation of game is receiving more attention. It is, especially in these days when game is so much more vulnerable than it used to be, an important part of a Forest officer's duties.

(xi) PROTECTION FROM FIRE.

37. Special fire protection was attempted over an area of 3,946 square miles. Of this area, 256 square miles or 6.48 per cent were subsequently burnt, the corresponding figures for the previous year being 4,008 square miles, 181 square miles and 4.52 per cent. The bulk of the damage was as usual in the Waltair Circle, the percentage of area burnt being 11 against 10 in the previous year. The total expenditure on special protection during the year was Rs. 29,033 or Rs. 7-5-9 per square mile as against Rs. 26,578 and Rs. 6-10-1 in the previous year.

38. The system of early burning was continued over an area of 1,269 square miles as against 1,082 square miles in the previous year. The average expenditure was Rs. 3-0-1 as against Rs. 3-4-2 in the preceding year. Of the area early burnt, 4 square miles (or .31 per cent) were subsequently burnt.

39. Rewards were distributed to the Khonds in Ganjam, the Koyas and Reddis in the Godavari Upper and Lower divisions and to the Malayalis in the Javadi hills of North Arcot district for rendering assistance in fire protection.

(xii) PROTECTION AGAINST INJURIES FROM NATURAL CAUSES.

40. The Bio-chemical and Entomological investigation into the spike disease of sandal by officers of the Indian Institute of Science, Bangalore, and the Forest Research Institute, Dehra Dun, was discontinued from 1st October 1933 as a measure of retrenchment, but steps have been taken to continue the investigation by the Provincial Sylviculturist and the Divisional Forest Officer with suitable staff. A programme has been drawn up on practical lines by the Provincial Sylviculturist.

41. Spike prevails in Salem North and South and Coimbatore North and Kollegal divisions and the Segur range of the Nilgiris. There have been stray cases in the Coonoor range also.

42. The cochineal insect has been active in all the circles and practically cleared prickly-pear wherever it found it. There has been little progress in reclothing the cleared areas with useful species, but I am no longer so seriously disturbed as I once was about the wholesale disappearance of prickly-pear. I find that Nature tends to replace it by various shrubs and plants. Any one in the Madras city who may be interested will find a dense growth of *Jatropha curcas* along the west bank of the Adyar river below Saidapet where formerly there was a thicket of prickly-pear.

43. Lantana is rampant in the Salem circle, but no attempts were made to eradicate it, for financial reasons. In Salem North, however, it was cleared from sandal coupes, which were enumerated for felling

in places where it was interfering with sandal. In this division experiments on a small and controlled scale are in progress for killing lantana by raising fast growing species in order to create heavy shade, by spraying with chemicals and by the introduction of insects. Lantana has spread in Coimbatore South and was uprooted in some of the youngest teak plantations. In Tinnevely it was uprooted by contractors in all fuel coupes under working under the terms of their agreements. It was uprooted by elephants in the older plantations in Kargudi in the Nilgiris. It was also cleared from some young plantations in Wynaad. At Horseleykonda in Anantapur division the gradual uprootal of lantana started previously, was continued.

44. Lanthus was removed from plantations in Wynaad and in Nilambur. It did much damage in Kurnool South. Strobilanthes has become a menace to regeneration in Tinnevely and several parts of Madura. In Tinnevely it was cleared by coupe contractors but this has little permanent effect.

45. In the Nilgiris the introduction of Kikiyu grass for checking the spread of Eupatorium promises to be successful but it cannot be introduced on a large scale, being expensive. In this division species of hardwood Eucalyptus have suffered badly from frost, and in certain recognized frost holes it is no use trying species known by experience to be frost tender. As usual climbers were cut by subordinates free of cost and it is hoped that this operation is becoming more systematic as it is reported from several divisions that regular plans for climber cutting are being followed.

46. In order to assess the loss of girth increment on account of defoliation of teak trees defoliated trees were periodically measured in a plot laid out for the purpose in Nilambur. Defoliators and borers have damaged teak plants in Wynaad. In Palghat, defoliation of artificially raised seedlings of *Acrocarpus fraxinifolius* in gaps created by selection fellings in the evergreen forests of the Silent Valley was partly controlled by the timely destruction of the larvæ of the insect. In Kurnool East and West divisions, teak was damaged by defoliators. The larvæ were sent to the Imperial Entomologist, who identified them and suggested remedial measures which were adopted. A disturbing fact was that the leading shoots of numerous teak trees which were defoliated died back for a length of several feet. Eucalyptus saplings in Coonoor were subject to a fungus attack and steps were taken to send specimens to Dehra Dun. In Kurnool South caterpillars attacked the teak plants in flower and adversely affected the seeding.

47. Semi-wild cattle are a nuisance in mangrove plantations in Godavari Lower and Guntur divisions. They caused much damage too, to the young palmyra plantations which are being raised in the Kudiramoliteri reserved forest in Tinnevely in order to fix the shifting sand.

48. Elephants have caused much damage to teak regeneration areas in Madura, Coimbatore North and South, Palghat and Kollegal and to sandal in Coimbatore North and Tinnevely. They have pulled down

the inspection shed and sawyers' lines in the Kal Ar Valley in Coimbatore South. They have damaged teak plantations in the New Amarampalem range of Nilambur where steps have been taken to restart capturing operations. In the Coimbatore circle six proscribed elephants have been shot. In December 1933, no less than fourteen wild elephants were found dead or moribund in a field adjoining Vannathiparai Reserved Forest, Madura, one morning. This unprecedented mortality was caused by an unwise surfeit of a variety of millet (varagu) which can in some circumstances react poisonously on men and animals.

49. Sambhur caused damage to teak plants in Tinnevely. Bison and sambhur have damaged young teak in Wynaad and pigs, monkeys and spotted deer in the young plantations in Nilambur.

(xiii) FOREST PANCHAYATS.

50. The total area of ryots' forests is 3,335 square miles of which forest panchayats have been formed for 3,270 square miles under the control of the Board of Revenue (Land Revenue and Settlement).

51. The forest village system was in operation in the Mangalore North division, where there were three panchayats at the beginning of the year. Two of them ceased to work from 1st July 1933.

52. The hill village system (a form of the forest village system devised in the past to suit the Malayalis) was in force in Vellore East and West and Salem Central divisions. It worked satisfactorily in the first two divisions. In the Salem Central division the concessional rate of grazing fee was raised from 2 to 3 annas per cow-unit and the number of the privileged cattle was also limited, the excess cattle being charged at the ordinary rate.

(xiv) FOREST COLLEGE.

53. 1932-34 Division.—Twenty-eight students passed out of the college in June 1934. Of these 2 students received Honours certificates, 25 higher standard certificates and 1 lower standard certificate. There were no failures.

54. 1933-35 Division.—The strength of this division is 25. Of these, 16 are Madras students recruited direct. Of the remaining 9 students, 2 are from Bombay, 2 from Hyderabad, 2 from Vishalgad and Mewar States, and 3 private students from Madras, Travancore and Indore. The Madras private student has been admitted at a concession rate of Rs. 500 for the whole course.

55. Generally the health of the students both at the college and in camp was fairly satisfactory.

56. The net cost of maintenance of the college was Rs. 74,610 as against Rs. 41,742 in the previous year. The increase in the net cost by Rs. 32,868 or Rs. 33,000 in round figure, is mainly due to a decrease in revenue of about Rs. 16,000 owing to reduction in the number of students paying tuition fees from 42 (during 1932-33) to 32 (during 1933-34) and to the increase in expenditure of about Rs. 17,000 on

account of the pay and travelling allowance of 36 Madras Government students in 1933-34 as against 20 students in 1932-33.

(xv) VERNACULAR TRAINING SCHOOLS.

57. The training of foresters and forest guards was resumed. Vernacular Training Schools were held in the Waltair, Salem and Ootacamund circles. The subordinates of both Salem and Coimbatore circles were trained at the school held in Salem North Division. Ten foresters and 75 forest guards were trained in these schools. The results were satisfactory.

III.—SYLVICULTURE.

(i) SYSTEMS OF MANAGEMENT.

58. Instead of giving the usual area statement showing the number of square miles treated under the recognized technical systems an attempt is made below to indicate briefly the broad lines on which the most important Madras forests are being managed.

A. Timber Forests.

In localities where the artificial raising of teak plantations is justified the most favourable areas only have been allotted to the *Clear-felling Working Circle*. Of the area so allotted a certain proportion has to be clear-felled and planted up with teak within a specified period.

Large areas containing natural teak and other valuable species but not considered quite good enough for planting up artificially are allotted to the *Selection Working Circle* which is divided into a number of annual coupes. In one coupe each year the mature trees are harvested and in a number of the gaps formed by the removal of a big tree a very small patch of young teak trees is planted in the hopes of maintaining in perpetuity the normal proportion of valuable trees all over the forest. Only one or two trees in each patch are expected or desired to reach maturity. There are other areas of timber forest in which the main operation consists of *Improvement Fellings*, designed primarily not to harvest revenue now but to remove undesirable trees which are damaging valuable young trees of the future.

B. Fuel Forests.

The vast majority of fuel forests in Madras is worked under the simple *Coppice system*. A suitable unit of area, known as a *felling series*, is divided into the same number of annual coupes as there are years in the *rotation*—usually about 30. One coupe is clear-felled each year and regrowth springs up from a number of the stumps left in the ground. From a considerable number of the stumps, however, no regrowth appears, with the result that the quantity of fuel available in each succeeding rotation would decrease unless something was done to keep up the stock. It is only in very recent years that a way of

keeping up and increasing the stock successfully has been discovered. It is achieved by collecting the small faggot wood, felling debris, thorny climbers and weeds and burning them, usually in long strips. The resulting ash which makes excellent manure is worked into the soil and seeds of good fuel species are sown along the strips.

59. Some years ago the commonest system of working fuel forests was the *coppice with standards system* under which a proportion of the old trees in the original crop was left standing. In theory the standards were to grow on into useful small timber trees but in practice it happened only too often that many of them were stolen. The system is still in vogue for special reasons over limited areas but in most divisions it has been replaced by the *simple coppice system*.

60. It is necessary to state the method of working two other important items of forest produce—sandalwood and bamboos. Sandalwood grows scattered over large tracts of forest, chiefly in the centre of the Presidency. It regenerates itself very readily from seed and is on the increase. Each year a number of trees die a natural death and others die from Spike disease. A suitable unit of forest is divided into a number of annual coupes, usually six, and one coupe is visited each year and the dead trees are harvested and the young growing crop is tended and freed from climbers.

Bamboo forests are similarly divided into large coupes and each coupe is worked once in three years, only a portion of the bamboos in each clump being cut, the rest being left to supply food to the underground stem or rhizome which will continue to send out new bamboos each year.

(2) GENERAL PROGRESS OF REGENERATION AND AFFORESTATION.

A. Mainly Natural.

(i) Concentrated.

(ii) Not concentrated.

61. There is nothing abnormal to record in the progress of Natural regeneration.

B. Mainly Artificial.

62. After a period during which the clear felling of natural forest and planting of teak has had to be restricted owing to the slump in the timber market we are gradually working up towards the annual areas prescribed in the working plans. Justification for this lies in the fact that in several centres indications of an improvement in the demand for timber are apparent. That the policy referred to last year of keeping the hands of the staff in practice by doing a certain amount of teak planting even in years of depression was justified is shown by the fact that recent teak plantations are of a very high quality.

63. The practice of raising plantations in conjunction with field crops has been extended to a marked extent, notably in Wynaad division, where there has been a very welcome increase in the number of

junglemen who have come to take up this work, which gives employment and a food crop to them and their families whilst, at the same time, resulting in the cheap formation of fully stocked teak plantations. The chief field crop grown is ragi, with a small admixture of dhal and mustard, though in suitable localities to the west hill paddy is grown.

64. Patch regeneration by teak stumps in gaps formed by selection fellings in deciduous forest continued to give satisfaction. As our experience increases we must adapt our procedure accordingly. Not uncommonly a considerable amount of natural teak regeneration exists in the poorer parts of a coupe whereas it is often absent or insufficient in the better areas. It may be advisable to do some artificial opening of the smaller gaps in the best areas in order to increase the number of patches there rather than to dissipate our efforts by confining our attention to gaps already big enough, many of which may be in poorer areas not really requiring artificial patch regeneration. There is ample scope for increasing the number of gaps regenerated each year and it is hoped that the staff will take steps to this end.

65. Rab regeneration in the fuel coupes, which was described last year, is extending everywhere with most beneficial results. *Cassia siamea*, an exotic, owing to its rapid and certain growth, is an admirable species to use during the initial stages whilst the local subordinates are learning the method and acquiring enthusiasm. It is, however, felt that enthusiasm should lead towards ambition and that many indigenous species found growing inside our coupes may make better fuel than *Cassia siamea*; if so it is desirable to persist in attempts to produce what are known to be the best species in each locality.

C. Afforestation.

66. Attempts to fix the shifting sands in Kudiramoliteri reserve in Tinnevely persisted. Results must, of necessity, be slow but efforts are now to be concentrated on establishing a wind belt of local broad leaved species on the windward side with the intention of extending the planting gradually under the protection of the wind belt rather than concentrating efforts upon the open plain where there is nothing to retard the drift of the sand over the young plants.

(3) TENDING OF THE GROWING STOCK IN AREAS NOT UNDER CONCENTRATED REGENERATION.

67. The systematic cutting of climbers in the natural forests by subordinates on an organized system is reported from various divisions. Inspections in many places disclose the fact that more attention is being paid to this important work which is satisfactory.

68. The tending of natural grown sandal was undertaken in many places. The operation of freeing sandal from suppression is one involving great care and skill and there is room for considerable improvement in some divisions. Overcutting, by damaging the hosts on which the sandal relies, may do serious harm.

(4) GENERAL.

69. One of the most noteworthy facts to be recorded is the expansion of Sylvicultural Research. The results which are being obtained from year to year, though not all of them spectacular, are having a cumulative effect which is of the greatest benefit. It now appears to be beyond doubt that in a teak plantation where there is fairly heavy rainfall deep forking of the soil, upon which the writer has laid great store, is not necessary, provided that the surface weeds are scraped away; in other words the removal of root competition appears to be more essential than actual aeration of the soil as such. However, in dry localities especially, it would be most unwise to take any steps towards letting the subordinate staff suppose that the loosening of the soil round young plants is unnecessary; this operation is, in fact, still highly desirable.

IV.—WORKING PLANS.

70. At the commencement of the year there were sanctioned working plans or schemes for 10,274 square miles. This is the correct figure, the previous year's figure of 10,602 having been found to be incorrect. During the year, working plans were sanctioned for 1,094 square miles. The area covered by sanctioned working plans at the close of the year was thus 11,368 square miles.

71. Working plans were either under preparation or awaiting sanction for an area of 2,825 square miles leaving an area of 2,080 square miles (excluding ryots' forests) which are not covered by working plans.

72. The following plans completed by the Working Plans circle were sanctioned during the year:—

- (i) Working Plan for the Mangalore North division.
- (ii) Working Plan for the Mangalore South division.
- (iii) Working Plan for the Palghat forests.
- (iv) Working Plan for the Kollegal division (sanctioned by Government after the close of the year).

The Working Plans circle has completed the Working Plan for the Godavari Lower division and almost completed that for the Coimbatore South division (excluding Mount Stuart forests) and was engaged on the preparation of plans for the Tinnevely, Madura, Vellore East and West, Salem North and Cuddapah North and South divisions.

73. The following plans prepared by the territorial staff were sanctioned during the year:—

- (i) Working Plan for the Guntur Uplands.
- (ii) Working Plan for the Sriharikota forests of Nellore division.
- (iii) Two Working Schemes for extraction of sleepers from the unreserves in Mangalore North and South divisions.

The Revised Working Plan for the Mohiri forests of the Berhampur range in the Ganjam division prepared by the territorial staff has been returned for revision.

74. The territorial staff has taken on hand the preparation of the following working plans:—

- (i) Consolidated Working Plan for the Vizagapatam division.
- (ii) Working Plan for the Repalle range in Guntur division.
- (iii) Working Plan for the Cauveri range in Salem Central division.
- (iv) Working Plan for the Nellore division excluding Sriharikota range.
- (v) Working Plan for the new Amarampalam forests.

75. The control records were as usual scrutinized by both the Territorial and Working Plans Conservators. The latter submitted periodical reviews to the Chief Conservator.

V.—UTILIZATION.

(i) SUPPLY OF PRODUCE.

(a) Timber.

76. The total output of timber was 61,280 tons or about 3 per cent greater than that of the previous year. The details are—

(1)	By Government.		By purchasers.		By free-granters.		By right-holder.		Total.	
	1933-34.	1932-33.	1933-34.	1932-33.	1933-34.	1932-33.	1933-34.	1932-33.	1933-34.	1932-33.
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.
Reserved forests, leased forests and reserved lands ..	18,580	17,920	22,040	20,260	1,160	860	180	600	41,960	39,640
Unreserves ..	3,140	5,360	12,880	11,980	3,100	2,340	200	280	19,320	19,960
Total ..	21,720	23,280	34,920	32,240	4,260	3,200	380	880	61,280	59,600

77. There was an increase of 660 tons under removals from reserved forests (including reserved lands and leased forests) by Government Agency, in spite of decreased output in the Ootacamund circle (except Nilambur and the Nilgiris) due to restricted sleeper supply.

The increase is due to the resumption of selection fellings in Ganjam, Coimbatore South and the Nilgiris divisions, to the increased clear-fellings in Godavari Upper and in Tunacadavu range of Coimbatore South division and to the felling of timber trees in Godavari Lower for departmental works.

There was a decrease of 2,220 tons under removals from unreserves mainly due to the curtailment of fellings in Mangalore North and South owing to the reduced supply of sleepers.

There was an increase of 1,780 tons under removals from reserves by purchasers, in spite of a large decrease in removals from the Ulandy range in Coimbatore South. The increase was spread over Ganjam, Vizagapatam, Godavari Upper, Kurnool West, Wynaad, Mangalore South and Nilambur divisions, owing to a larger number of timber coupes having been leased to contractors.

78. The quantity of timber departmentally collected and remaining undisposed of at the end of the year was 747,000 cubic feet as against 2,284,000 cubic feet in the previous year. Most of the old stocks have been disposed of.

(b) Fuel.

79. Two hundred and seventeen thousand six hundred and seventy-five tons of fuel were extracted from reserved and leased forests of which 16,450 tons were removed by Government agency, 199,850 tons by purchasers and the remaining 1,375 tons by free grantees as against 233,575, 12,375, 219,212, and 1,975 tons, respectively, in the previous year. There was an increase of 4,075 tons under removals by Government agency while there was a decrease of 19,362 tons under removals by purchasers. The increase in the former was mainly due to larger outturn from thinnings in Ganjam, to collection of dead and wind-fallen trees in Godavari Lower, to the confiscation of a large quantity of fuel in Cuddapah South left unremoved by lessees, and to the extraction of pine fuel in Madura. The decrease under removals by purchasers, viz., 19,362 tons was due to a smaller number of coupes being sold in Cuddapah North and South, Mangalore North and South, The Nilgiris, Palghat, Nilambur and Madura divisions, for want of demand.

80. The outturn from unreserves was 17,225 tons as against 17,150 tons in the previous year.

(c) Bamboos.

81. The value of bamboos removed by all agencies was 3.88 lakhs as against 3.83 lakhs in the previous year. Bamboo coupes were generally leased out to contractors except in Godavari Upper and Lower divisions where the produce was sold by the issue of permits.

(d) Sandalwood.

82. Five hundred and eleven tons of sandalwood were sold for Rs. 4,57,785 as against 648 tons for Rs. 5,91,649 in the previous year. The average price realized was Rs. 896 against Rs. 918 in the preceding year. The decrease in the all round rate is due to lower prices obtained for the higher grades.

83. Retail sales of sandal in small quantities were poor although continued efforts were made to popularise them.

(e) Grazing.

84. 13.49 per cent of the forests managed by the Department were closed to grazing, 12.24 per cent throughout the year and 1.25 per cent during part of the year. Grazing permits were issued for 1,458,529 animals as against 1,452,292 in the previous year. The grazing revenue realized was Rs. 5,79,823 as against Rs. 5,77,978 in the previous year. The increase in the issue of permits is due to greater vigilance exercised by the Divisional Officers in the collection of grazing revenue. One hundred and sixteen thousand seven hundred

and twenty-nine animals grazed free of charge as against 127,723 animals in the previous year. The revenue foregone by granting free grazing and grazing at concessional rates was Rs. 49,651 as against Rs. 54,776 in the previous year.

85. In the panchayat forests permits were issued for 728,516 animals as against 781,503 in the preceding year.

86. The proposal to re-employ permit issuing officers has been dropped for the present. The Chief Conservator was, however, given discretion to reopen the question if necessary later.

87. The average incidence of grazing in the forests under the control of the Department was 5.6 acres per animal as against 5.7 acres in the previous year.

88. In order to introduce a better quality of grass in grazing areas certain experiments were made, cuttings and seeds of Kikiyu and Kolukattai grasses were tried in the Ootacamund Circle. The Kolukattai grass grew satisfactorily and flowered. The Kikiyu however was less satisfactory. In Madura division, neither grew well. In Guntur mixed species of Kolukattai and Nendra grasses were sown successfully.

89. The improvement of forest grazing by cultivating artificially better species of grass is never likely to be a practical proposition. In order to get success on a few odd acres considerable expenditure has to be incurred and ploughing or soil working is almost essential. The cost is out of all proportion to the results, and after taking infinite pains enough grass is produced to get seed for further expenditure and to feed a very few head of cattle for a few weeks, whereas the grazing policy of Government involves allowing thousands of cattle to roam over hundreds of thousands of acres after paying a purely nominal fee for the year.

90. The risk is always present of disastrous mortality amongst bison which frequent forests grazed by village cattle. Government ordered that graziers desirous of grazing cattle in bison areas should first have them inoculated against rinderpest and that grazing permits should be issued only for inoculated cattle. As the orders of Government were received in September 1933 after most of the cattle permits had been bought, the institution of these preventive measures had largely to be deferred until the current year.

(f) Minor Forest Produce.

91. The value of outturn of minor forest produce was Rs. 5,54,703 as against Rs. 5,67,473 in the previous year. The decrease in revenue occurred mainly in the Kurnool West and South divisions due to want of demand for slab quarries, tangedu and rela barks and to a fall in tree-tapping fees.

92. The right to collect minor produce is generally leased to contractors except in the Sriharikota Range of Nellore division and in the Nilgiris, where it is collected departmentally.

93. The cultivation of lac was carried on successfully in Salem North and Madura divisions. But the operations were restricted owing to the depressed state of the lac market. Special efforts were made to interest the Jail department (which manufactures and supplies sealing-wax to the Superintendent of Stationery) in the lac produced by this department and about thirty-nine maunds (of 82 lbs.) were sold to that department of Rs. 25 per maund. The Jail department also purchased its requirements of shellac for making superior sealing-wax. The Divisional Forest Officer, Salem North, manufactured sealing-wax and wood polish on an experimental scale. Samples of sealing-wax were sent to local firms and railways to secure their custom, but without success owing to the competition of cheaper makes.

94. The wood polish manufactured by the Forest department was found to be as good as any imported polish. At the instance of the Forest Department the Inspector-General of Prisons has issued instructions to all the Jails in the Presidency to purchase their requirements from the Forest department and orders are being received during the current year.

95. The market for lac has been improving since December 1933 and twenty maunds of lac were sold in Calcutta at Rs. 40 per maund (82 lbs.). The subordinates are now well-trained in the successful cultivation of lac. With the co-operation of the Jail department and improvement in the prices it is hoped to extend the production of lac on a wide scale.

96. The market for strychnos nux vomica seed continues to be dull. In July 1933 after various attempts to get better offers, four hundred candies were sold at Rs. 10 per candy. About three hundred candies collected in 1933-34 were auctioned for Rs. 11-4-0 per candy.

Further research is being carried on by the Bio-Chemist attached to the Forest Research Institute, Dehra Dun, in regard to the strychnine contents of the seeds collected in the East Coast divisions.

97. The market for tan barks continued to be dull owing to the import of large quantities of Australian wattle bark. The removal of export duty on raw hides and skins from 1934-35 is bound to affect the Madras tanning industry still further.

The Leather Trades Institute is carrying on experiments to ascertain, the tannin contents of indigenous wattle bark as compared with Australian bark and also the age of the Cassia auriculata plant at which it yields the maximum tannin. The experiments are being carried on with samples supplied by the Forest department.

Samples of cinnamon bark from Mangalore South were sent to the Forest Research Institute to ascertain how their oil contents compare with the oil from Ceylon bark commonly used in medicines. The experiments have shown that, though the South Kanara bark is poor in oil contents, it is not so poor as to be unsaleable.

(g) *Removal of Forest Produce by free grantees and right holders.*

98. The estimated value of forest produce removed by free grantees and right holders amounted to Rs. 85,232 as against Rs. 83,906 in the previous year. These figures do not take into account the considerable, although unassessable, value of forest produce removed in consequence of the special concessions allowed in the South Kanara district. The free grants were generally made for the reconstruction of houses destroyed by fire. The principle that free grants should be restricted to really deserving cases of poverty and sudden calamity, and should be made as far as possible from unreserves, and from reserves only in the absence of unreserves close by, has generally been followed in sanctioning free grants.

(h) *General.*

99. The domestic and agricultural requirements of the people were supplied by the department as far as possible. Free removal of fodder and thatching grass in head-loads was allowed in most of the divisions. Applications for free grants for the rebuilding of houses destroyed by fire were sanctioned. The needs of the people in small timber, fuel and bamboo were catered for in all the divisions by the coupe contractors, who were bound by their agreements to supply them at the coupe at rates not exceeding the reasonable maximum rates fixed by the Divisional Forest Officers, and this arrangement was notified to the people.

100. Special agricultural implement coupes were opened in Kollegal, but the people did not take advantage of them. What they want is a reversion to the pernicious permit system, and to be allowed to fell what they want without any restriction. In Coimbatore North, although the Working Plan prescribes the opening of such coupes in twenty-two centres, only one was opened owing to the general apathy of the people. In Coimbatore South, one agricultural implement coupe was worked in Udamalpet Range on the controlled permit system.

101. In Kurnool South and Kurnool West, Coimbatore South and Kollegal divisions, spokes and felloes were made by the department and supplied to the people. Brake poles were supplied for the facility of cartmen passing along the ghat roads in Madura, Coimbatore North and South divisions.

102. The removal of manure leaf has been allowed in the divisions in which the people were unable to do without it. In Tinnevely there was a marked decrease in the demand as the people had learnt to cultivate manure leaf species on their own lands. Although the Government generally agreed to the policy advocated by the Chief Conservator in the matter of restricting the removal of manure leaf from reserves, they have postponed giving effect to his proposals owing to the depressed economic condition of the agriculturists.

103. The department also supplied raw materials required for certain cottage industries. In Godavari Upper and Cuddapah South the

right to collect tuniki leaves (*Diospyres melanoxylon*) was leased to contractors for the manufacture of beedies. The Ericulas of Guntur were permitted to remove free of charge creepers for making baskets. In Kurnool South soft woods were supplied to slate manufacturers in Markapur and Cumbum for making frames for school slates. In Chittoor soft woods were supplied for a local hair comb industry.

104. The villagers round the Kistna mangrove forests were allowed free removal of edible fruits and leaves.

105. In response to a representation about difficulty experienced by pilgrims visiting the Mahanandi shrine in Kurnool South during the Sivarathri festival, a scheme was devised by which a coupe of adequate size was sold to the temple trustees, who undertook to extract and sell the fuel to the pilgrims for a nominal price. The system has worked satisfactorily.

(ii) *COMMERCIAL UNDERTAKINGS.*

106. The disposal of the assets of the commercial concerns under liquidation was completed during the year and final reports have been submitted to Government.

Forest Utilization Division.

107. The Forest Utilization Officer continued to organize and conduct sales of logs, scantlings and sleepers.

108. The turnover of the division for the year was Rs. 5,16,714 against Rs. 9,59,524 in the previous year. The decrease was due to

- (i) fall in the sale of logs and the old mill-sawn scantlings (except in Pollachi depot); and
- (ii) fall in the supply of sleepers to the railways, and also to lower rates for sleepers.

109. The balance of the old stock of mill sawn scantlings cut before the closure of the mills was completely disposed of.

110. *Overseas trade.*—One thousand nine hundred and twenty-seven cubic feet of laurel logs were sold to Messrs. Leary & Co., London, at 5½ shillings per cubic foot c.i.f., London. The Timber Adviser, London, has reported that the demand for this timber is in abeyance.

111. *Logs.*—The demand for logs was very dull and there was no bid in an auction held at Beypore depot during the year. Sales from all the four important sale depots of the department aggregated 197,245 c. ft. against 515,349 c. ft. in the previous year. There was an increased demand from railways for indigenous teak and 262 tons of teak were sold to the South Indian and Madras and Southern Mahratta Railways during the year and further orders for 205 tons from the same

railways have been received during the current year. An all-round average rate of Rs. 1-8-0.6 per c. ft. was realized against Re. 1-2-3 in the previous year.

112. *Sleepers*.—The Forest Utilization Officer continued to supply sleepers to the railways. Twenty-one thousand nine hundred and seventy-five broad gauge and 13,130 meter gauge hardwood sleepers (other than teak) and also 4,500 broad gauge, 4,500 meter gauge and 9,000 narrow gauge teak sleepers were supplied to the Sleeper Pool, South Group. The hardwood sleepers were supplied at so low a rate as Rs. 5-2-6 for broad gauge and Rs. 2-5-0 for meter gauge.

A supply of 250 meter gauge special sleepers was made to the South Indian Railway and 1,500 broad gauge sleepers to the Madras Port Trust.

A supply of special sized teak sleepers for a term of two years commencing from 1st April 1933 was arranged through a contractor and 6,482 sleepers of 30,504 c. ft. were supplied at a total value of Rs. 1,04,715. The abnormally low price now prevailing makes sleeper operations unremunerative and no supply for the current year has therefore been undertaken by this department.

113. It is gratifying to note that towards the latter part of the year, Government have issued instructions that all departments of Government which require timber should consult the Forest Utilization Officer before they obtain their requirements. As a result of the above orders the Jail department which hitherto had been mostly using Burma teak has placed several orders with the Forest department. When sawn sizes are ordered the supply is arranged through a contractor to whom timber in log form is sold from Government depots for conversion. This system works satisfactorily.

114. Five hundred and ninety-eight cubic feet of *Grewia tilliaefolia* logs were sold to the Gun Carriage Factory at Jubbulpore at Re. 1-4-0 per c. ft. f.o.r., Pollachi.

115. About 500 c.ft. of *Vateria indica* logs from Wynaad division were supplied to the Western India Match Company, Madras, for test for match-making.

116. The Forest Utilization Officer arranged for the supply of specimens for various timber tests at the Forest Research Institute, Dehra Dun. He also made joint inspections with the representatives of railways, of the treated and untreated sleepers of *Eugenia gardneri*, *Cullenia excelsa*, *Dipterocarpus indicus*, *Parciloneuron indicum* and *Dalbergia latifolia*, laid in the line experimentally.

VI.—FINANCE.

117. The total revenue realized during the year was Rs. 39.43 lakhs as against Rs. 47.38 lakhs in the previous year. The expenditure incurred by the department was Rs. 39.20 lakhs against Rs. 37.89

lakhs in the previous year. The year under report thus shows a net decrease of revenue by Rs. 7.95 lakhs and an increase of expenditure by Rs. 1.31 lakhs.

118. Taking the year under report into consideration the surplus of receipts over expenditure was Rs. 0.23 lakh.

119. There was a decrease of revenue from sandalwood by Rs. 0.35 lakh due to less quantity being sold and lower prices being realized. The revenue from timber removed by Government Agency decreased by Rs. 6.52 lakhs. This was mainly due to poorer prices and a marked decrease in the supply of sleepers to the railways. Sleepers fetched lower prices, but the main reason for this year's decrease of revenue as against last year's, is that last year's revenue was unduly increased by payment being made by the railways for sleepers supplied during two previous years. Revenue from timber removed by consumers or purchasers decreased by Rs. 0.31 lakh mainly due to poorer prices obtained, to the decrease in removals from the Ulandi forests by a contractor and his failure to pay his dues within the year.

There was a decrease of revenue of Rs. 0.30 lakh from fuel and a net decrease of Rs. 0.36 lakh from other items of revenue.

There was, however, an increase of revenue of about Rs. 0.19 lakh in the sale of minor produce removed by Government Agency and consumers and purchasers. This was due to increased removals on permits from Rampa in Godavari Lower division, to the good prices obtained for gall-nuts and to the revenue realized from the Local Fund department for quarrying in Madura division.

120. As stated above, the gross expenditure, viz., Rs. 39.20 lakhs during the year under report increased by Rs. 1.31 lakhs over that of the previous year. The increase is principally due to the emergency cut in salaries having been removed in the case of 'Voted' officers and establishments and to its having been reduced from ten to five per cent in the case of 'non-voted' officers with effect from 1st April 1933. This alone contributed to a net increase of expenditure by Rs. 1.09 lakhs (the cut in salaries amounted to Rs. 1.57 lakhs in 1932-33 as against Rs. 0.48 lakh in the year under review). There was an increase of expenditure by about Rs. 0.17 lakh under "Non-voted Travelling Allowance." It was due to increased rates of travelling allowance paid to officers touring in special tracts. There was an increase of about Rs. 0.05 lakh under cost of passages.

121. The following trading account exhibits the financial position of the department for the year and shows a net profit of Rs. 3.60 lakhs. The figure of outstanding revenue for the year under review, viz., Rs. 9.16 lakhs includes the value of produce sold but not entirely paid for in the year under review. No interest has been charged with reference to the local Government's recommendation to the Government of India that it should not be charged. No credit is taken for free grants or grants at concessional rates for grazing and other produce; the amount so foregone amounted to Rs. 1.21 lakhs.

I. Trading Account

	LAKHS.		LAKHS.
	RS.		RS.
Value of timber, etc., in depots on 1st April 1933.	3.11	Value of timber, etc., in depots on 1st April 1934.	3.71
Value of tools and plant on 1st April 1933.	7.32	Value of tools and plant on 1st April 1934.	6.76
Revenue outstanding on 1st April 1933.	7.99	Revenue outstanding on 1st April 1934.	9.16
Working expenditure of the year under review (excluding capital expenditure).	36.66	Revenue of the year under review.	39.43
Good debts (advances) on 1st April 1933.	0.16	Good debts (advances) on 1st April 1934.	0.12
Gross profit	3.94		
Total	59.18	Total	59.18

II. Depreciation.

Depreciation on tools and plant at 5 per cent 0.34

III. Profit and Loss Account.

Gross profit as per Table I	3.94
Deduct depreciation	0.34
Net profit	3.60

VII.—GENERAL.

122. As hitherto the Forest department looked after the hillmen and jungle tribes living in the forests. They were helped in various ways—by the grant of free leases of land within the forests for cultivation, by the privilege of free grazing or grazing at concessional rate, and by allowing them the free use of forest produce. In return, they were required to protect the forest and were also granted rewards for successful protection. Both the Forest department and its contractors continued to provide them with paid work.

123. The Khonds of Ganjam remained on good terms with the department.

124. The agitation of the Savaras of Parlakimedi Maliahs for the grant of larger area for shifting cultivation still continues. It may be possible to do something in the way of inducing them to raise the beginnings of timber plantations with their food crops, but their economic condition is far from satisfactory. The Collector submitted a scheme to give them practical training in manual labour such as sawing timber, making bricks and tiles, and in cultivation under the guidance of agricultural demonstrators. Government approved the scheme and have called for detailed estimates.

125. The Yenadis of Sriharikota were kept employed by the department in the collection of minor forest produce, and were as usual granted rewards partly in kind and partly in cash. They earned wages and rewards to the amount of Rs. 3,642 and Rs. 1,646, respectively. During recent years they have been induced to deposit their

savings in the Post Office Savings bank under a specially devised system. Deposits amounted to Rs. 3,006 as against Rs. 2,684 in the previous year.

126. The Forest department continued to control the Chenchus of the Nallamalais. The total expenditure on Chenchus amounted to Rs. 24,412 (against Rs. 23,016 in the previous year) which works out to Rs. 6-1-8 per head. They were kept engaged on forest works and suitable men were employed as headmen, deputy headmen, metta talayaris, forest guards, watchers and teachers in Chenchu schools. Special efforts were made to induce the Chenchus to take up cultivation in larger numbers. In fact, cultivation has extended and forest has been cleared to provide for its further extension. A loan of Rs. 884 was granted to them for the purchase of bulls. The loan outstanding against them was Rs. 2,173 as against Rs. 2,135 in the previous year.

There were twenty Chenchu schools with an aggregate strength of 320 boys and 180 girls. The children were given clothing and midday meal.

The Sub-Assistant Surgeon on Chenchu duty gave medical help as required. Expenditure on medicines amounted to Rs. 564 against Rs. 747 in the previous year.

127. The Malayalis of North Arcot and Salem were engaged on departmental works and were also employed as Forest subordinates. They were charged grazing fee at a concessional rate, even this being refunded to them for protection of sandal under the Hill Village system. Besides this special rewards were also granted for successful fire protection.

128. The Forest department continued to carry on the revenue administration of part of the Javadies. The question of extending this system is under the consideration of Government.

129. The Kudubis of Mangalore North have given up shifting cultivation and have taken to regular cultivation in the plains and supply labour for raising plantations. The Maratties and the Malekudies still carry on shifting cultivation in unreserves to a limited extent.

130. In Kollegal, Coimbatore North, the Nilgiris, Palghat and Wynaad, the Forest department has encouraged the formation of settlements of jungle tribes by grant of land on temporary leases for cultivation within reserved forests in order to secure general protection and labour supply.

131. I regret to record the death during the year of Mr. C. M. Bellappa, Extra Assistant Conservator of Forests; also of two rangers, four foresters, seventeen forest guards, eight watchers, one tanadar, five clerks and five menials.

132. Two subordinates were murdered, one in Kurnool South and the other in Cuddapah South.

133. The general health of the staff was, as always, considerably affected by malaria. A sum of Rs. 665 was spent on anti-malarial measures in Coimbatore South.

134. During the year seventeen divisional offices were inspected by the Audit branch of the Accountant-General's office.

135. The Conservators inspected all the Divisional Forest Offices in their circles; and Divisional Forest Officers inspected all Range Offices and Forest and Sale depots in their divisions. The results were generally satisfactory.

136. The relationship between the Revenue and Forest departments continued to be cordial.

137. The Chief Conservator is gratified at the way in which all ranks of the forest service have justified the reliance placed upon them and trusts that the team spirit which was a notable feature of the year under review will be maintained.

A. WIMBUSH,
Chief Conservator of Forests.

SUMMARY OF PROGRESS OF FOREST ADMINISTRATION IN THE MADRAS PRESIDENCY DURING THE FIVE YEARS 1929-30 TO 1933-34.

The following is a summary of the progress in Forest Administration in the Madras Presidency during the quinquennium ending on the 31st March 1934.

2. The reserved forests in the Madras Presidency are divided into two classes; viz., remunerative and protective forests and ryots' forests. The former are under the control of the Forest Department and the latter are managed by forest panchayats under the control of the Board of Revenue (Land Revenue and Settlement). The area of forests under the control of the Forest and Revenue Departments at the end of 1934 was 15,652 square miles and 3,270 square miles, respectively. Besides this the Forest Department was also in charge of 65 square miles of ryots' forests retransferred to it owing to inability to form panchayats and 603 square miles of reserved lands—those notified under section 26 of the Forest Act or under section 4 and pending settlement.

3. A reorganization of the Forest Department is a salient feature of the quinquennium. After a detailed investigation, Government decided to retain the five Territorial circles and also the Working Plans Circle but reduced the strength of the superior and subordinate staff of the department. Two new divisions, viz., Parlakimedi Maliahs and Vellore West, were formed.

In view of the impending constitutional changes, Government decided that there should be no further recruitment to the Indian Forest Service, that further recruitment to gazetted rank in the department should be to the Madras Forest Service and that the existing Indian Forest Service posts should, as they fall vacant, gradually be replaced by Madras Forest Service posts. They also decided to have a unified Forest Service (combining the Indian Forest Service and Madras Forest Service) with a strength of eighty-four posts (inclusive of leave reserve) as against the hundred posts at the commencement of the quinquennium. Owing to the abandonment of the policy of exploitation on American lines and the consequent closure of the saw mills, the temporary posts of Chief Forest Engineer, Logging Engineer, and Forest Engineer in charge of Saw Mills and Extraction Division were abolished in 1930.

Owing to financial stress, a cut was imposed on the salaries of officers and staff and as a measure of retrenchment, reduced scales of pay were introduced for future entrants to the services under the control of the Local Government.

4. The private Bill to amend the Madras Forest Act V of 1882 referred to in the previous report was dropped. Section 66 of the Madras Forest Act has been amended to make the position clearer as regards recovery from defaulting contractors, as arrears of land revenue.

5. *Development.*—The mechanical exploitation of the evergreen forests of the West Coast, the portable saw mills and the seasoning plant established during the previous quinquennium for the fuller utilization of the timbers hitherto unknown, were found unremunerative and had to be closed down. Experience has shown that mechanical exploitation is not to be compared with indigenous methods which rely upon elephant power, floating and recarting. All the machinery and stores were disposed of including the Russellkonda saw mill.

The hand-sawing of railway sleepers in the forest and the man handling of them to the plains was found to be a much more profitable proposition but as the price of sleepers has gone down considerably the work had to be stopped from 1934-35.

The Forest Utilization Officer continued to organize the sales and pass the sleepers for the railways, and the system worked satisfactorily. There was a very serious trade slump especially during 1931-32 and 1932-33, showing a period of unparalleled depression. The demand except for teak occasionally, was very poor and difficulty was experienced in disposing of the timber.

Attempts to interest other Government departments in purchasing timber from the Forest Department proved successful and Government have issued orders to all timber-consuming departments to consult the Forest Utilization Officer for their requirements.

Overseas trade.—With the exception of the disposal of old stock remaining in London and the despatch of a few consignments of laurel logs no consignments were sent, due to the trade slump. Samples of hardwoods sent for veneer tests in the American markets were not favourably reported on.

The cultivation of lac is being carried on successfully in Salem North and Madura divisions. But the operations were restricted owing to the continued depression of the lac market. The demand for strychnos nux vomica seed continues to be dull. Research is being carried on by the Forest Research Institute, Dehra Dun, in regard to the strychnine contents of the seeds collected in the East Coast division. The market for tan barks was dull owing to large imports of Australian wattle bark. The removal of the export duty on raw hides and skins from 1934-35 is bound to affect the Madras tanning industry still further.

6. *Exploitation.*—The quantity of timber extracted departmentally from reserved forests in 1928-29 was 38,000 tons, while that so dealt with in 1933-34 was 18,580 tons. The total yield of timber and fuel from reserved forests in charge of the Forest Department was 259,635 tons in 1933-34 as against 3,195,380 tons in 1928-29. The decrease was due to decreased extraction of timber and fuel consequent on the closure of all the saw mills and also on the general trade depression. The yield per acre for the total area of forests under the control of the department decreased from 5.07 to 4.88 cubic feet.

Timber extraction from the reserved forests under the control of the department decreased from 54,180 tons in 1928-29 to 41,960 tons in 1933-34.

Bamboo coupes were generally leased out to contractors except in Godavari Upper and Lower divisions where the produce was sold by the issue of permits.

7. *Forest panchayats.*—The area under panchayat management in 1933-34 was 3,270 square miles as against 3,421 square miles in 1928-29. The decrease is mainly due to disreservation of some forests and retransfer of others to this department on account of inability to form panchayats.

At the close of 1928-29 the forest village system was in force in the Coimbatore and South Kanara districts. As the system worked unsatisfactorily it was abandoned in Coimbatore district. It was in operation only in Mangalore North division where only one panchayat was working in 1933-34. The hill village system (which is a form of the forest village system) was in force in the Malayali hill villages of North Arcot and Salem districts.

SYLVICULTURE AND RESEARCH.

Regeneration mainly natural.

8. Natural regeneration in the timber forests was fairly satisfactory but there were heavy casualties during the hot weather. The sal forests of Ghumsur and the fuel forests subjected to coppice fellings mainly depend on natural regeneration. There has been no anxiety about natural regeneration in evergreen forests. Sandal is spreading naturally in divisions which are favourable to it.

Regeneration mainly artificial.

In the case of the timber forests the area artificially regenerated was less than normal owing to restriction of fellings for want of demand. In Nilambur excellent teak plantations of the second rotation were raised. There has been considerable progress in the process of fully stocking the plantations in the main timber divisions after clear-felling and burning, and steps have been taken to ascertain how best to obtain those extra few inches of height growth during their infancy which make such a large difference later. Experience has definitely proved that the most satisfactory method of raising a teak plantation is by planting stumps, in almost all the divisions except in Nilambur in which favourable conditions make it possible to adopt the cheaper method of sowing. Experiments have shown that the planting of teak stumps several weeks before the arrival of the monsoon gives the best results and that it can be done successfully by placing the stumps in holes made by crowbars without incurring any expense for digging pits. Promising results have been obtained in recent years in the treatment of gaps in deciduous timber forests after selection fellings. When a big tree is felled the top ends and brushwood are burnt in the middle of

the gap and a few teak stumps are planted. The burn effectively checks weed growth and very little further silvicultural treatment is necessary. This system is definitely prescribed in modern working plans. A similar system but without the burning, is in vogue in the evergreen forests, where light selection fellings of *Mesua ferrea* for sleepers have been carried on.

The artificial regeneration of several timber species other than teak on soils not suited to the latter is now better understood than in the past. The soils best suited for the valuable timber trees and the best method of raising them have been ascertained by experiments. Some success has been met with in the artificial regeneration of selection felled areas in the evergreen forests of Tinnevely. Regeneration in Wynaad presented some difficulty at first but recent plantations have done splendidly and the gap regeneration of selection felled areas promises success.

During recent years the necessity for improving the stock in the fuel forests in the dry divisions has been engaging the attention of the department and the best method of doing this has been ascertained. This consists in collecting the brushwood and useless material in felled coupes in heaps or strips, burning them, and dibbling seeds after the resulting ashes have been worked into the soil. This is the method which is generally prescribed for fuel working circles in modern working plans.

The artificial propagation of sandal has been carried on with varying degrees of success. There has been great progress in the silvicultural treatment of sandal. Recent experiments have shown that sandal comes up well if sown with field crops, such as dhall, which act as favourable hosts during its infancy. The ultimate success, however, of such plantations is extremely problematical and it is not a system which will be pursued to any great extent.

Afforestation.—Casuarina plantations have been raised along the sea coast in Godavari Lower and Nellore. In Tinnevely palmyra plantations have been raised in the Kudiramoliteri Reserved Forest to stabilize shifting sand. The progress is slow as the palmyra is a slow growing plant and is frequently damaged by semi-wild cattle.

Tending.—In forests covered by working plans thinning and tending are carried out according to the prescriptions contained therein. In areas not under regeneration climber cutting is carried out by subordinates.

General.—Investigation into the spike disease of sandal was continued. The Indian Institute of Science, Bangalore, was entrusted with the bio-chemical research and the entomological research was taken up by the Forest Research Institute, Dehra Dun, in 1930. But both were terminated on 30th September 1933. The investigation is being continued departmentally according to the programme on practical lines drawn up by the forest officers who are familiar with the subject.

The cultivation of lac has been successfully established in Salem North and Madura. The Divisional Forest Officer, Salem North, manufactured sealing wax and wood polish on an experimental scale and is trying to find a market for them. The Forest Utilization Officer continues to supply timber specimens to the Forest Research Institute, Dehra Dun, for various tests.

9. *Changes in the area.*—The areas of reserved forests and reserved lands at the end of the previous quinquennium and the quinquennium under review are compared below:—

	At the commence- ment of the quinquennium. SQ. MLS.	At the end of quinquennium under review. SQ. MLS.
Reserved forests	18,914	18,987
Reserved lands	343	621
Total ..	19,257	19,608

Of the 18,987 square miles of reserved forests an area of 15,717 square miles of remunerative and protective forests are under the control of the Forest Department and the remaining 3,270 square miles are in the hands of forest panchayats under the control of the Land Revenue Department.

The increase in the area of reserved lands is due chiefly to the reservation of blocks under section 4 of the Madras Forest Act in the Balliguda, Rampa and Gudem agencies, Ganjam, Godavari Lower, Vizagapatam, the Nilgiris and the Mangalore south divisions.

10. *Forest settlement.*—The balance under settlement at the commencement of the quinquennium was 118 square miles. One hundred and ninety-one square miles were settled during the period under review.

Settlement operations were in progress in respect of 286 square miles at the close of the period.

11. *Demarcation.*—The total length of artificially marked boundaries at the end of the quinquennium under review was 23,168 miles as against 22,602 at the end of the previous quinquennium. The increase was principally due to demarcation of areas notified under section 16 in the Agency forests in Ganjam, Godavari Lower and Vizagapatam divisions.

12. *Survey.*—The Survey of India Party continued the survey on the 2 inches scale of 6 (six) reserved forests in Godavari Lower division and also 394 square miles of forest area selected for reservation in the Rampa Agency. They also conducted topographical survey on 1 inch scale of the reserves in Bhadrachalam taluk in Godavari Upper division, the Gudem Agency in Vizagapatam, also of parts of the Parlakimedi Maliahs and of Salem Central and South divisions. The Madras Survey Party completed the survey of Tiruppattur taluk in Vellore West. They also surveyed portions of reserves adjoining patta holdings in

Rasipur and Namakkal taluks and reserved lands in Salem South division and the areas assigned to planters in the Coimbatore South division.

13. *Working plans.*—The area covered by working plans has increased from 8,768 square miles to 11,368 square miles during the quinquennium.

The Working Plans Circle has drawn up working plans for many of the valuable timber and sandalwood forests, viz., the Ghumsur forests of Ganjam, the forests of Godavari Lower, the Mount Stuart forests of Coimbatore South, the sandal and fuel forests of Coimbatore North and Kollegal, the Bolampatti Valley forests, the Wynaad evergreen forests and the forests of Mangalore North and South.

The Working Plans Circle is now engaged in the preparation of working plans for Coimbatore South (excluding Mount Stuart forests), the sandal forests of Salem North, the sandal and fuel forests of Vellore East and West, the forests of Tinnevely and Madura divisions and of Cuddapah North and South divisions.

Besides these, territorial officers have prepared plans for the Anantapur, Salem Central and South divisions, Hair-comb Working Circle of the Chittoor division, Sriharikota range of Nellore, the upland forests of Guntur, the forests of the Giddalur and Gundlakama ranges of Kurnool South, the Yerramalais and Nallamalais of Kurnool West and the Niligiri plantations (revised plan). They are also engaged on the preparation of working plans for the forests of Vizagapatnam division, the Repalle range of Guntur, the Mohiri forests of Berhampur range in Ganjam, the forests of Nellore (excluding Sriharikota range) and the Inaccessible Working Circle of Amarampalam range of Nilambur division.

The Working Plans Conservator scrutinizes all plans, whatever be the agency of their preparation.

Control records are scrutinized by both the Territorial and the Working Plans Conservators. The latter submits periodical reviews to the Chief Conservator.

14. *Communications and buildings.*—The average annual expenditure on communications and buildings and other works during the last two quinquennia were as follows:—

Year.	Roads and communications.		Buildings.		Other works.	
	Capital. Rs.	Repair. Rs.	Capital. Rs.	Repair. Rs.	Capital. Rs.	Repair. Rs.
Average for the period 1924-25 to 1928-29.	89,258	1,20,402	1,40,749	69,188	16,041	4,794
1929-30	89,872	88,129	89,562	65,436	9,162	3,416
1930-31	54,439	1,12,536	75,204	80,149	7,954	3,181
1931-32	39,025	1,14,708	20,375	58,586	3,952	1,899
1932-33	6,139	90,624	10,852	55,331	3,376	2,538
1933-34	10,377	88,832	16,641	58,139	..	3,509
Total	1,98,852	4,94,829	2,12,634	3,17,911	24,444	14,453
Average	39,770	98,965	42,526	63,582	4,888	2,890

The marked decrease in the expenditure was due to the closure of intensive exploitation operations in the West Coast timber forests and to the financial stringency.

The construction of residential buildings, bridges and roads continued to be executed by the Forest Engineer. Three Divisional Officers' bungalows and two steel girder bridges in Nilambur Valley forests were constructed by him during the period.

15. *Forest offences.*—The average annual number of forest offences was 24,039 against 27,680 for the previous period as shown below:—

Ycar.	Injury to forests by fire.	Un-authorized fellings.	Un-authorized grazing.	Other offences.	Total.
Average for the period from 1924-25 to 1928-29	1,165	19,606	5,510	1,399	27,680
1929-30	901	17,484	3,224	1,736	23,345
1930-31	1,184	18,018	4,110	1,486	24,798
1931-32	1,276	17,289	3,955	1,358	23,878
1932-33	1,736	20,788	4,815	2,137	29,476
1933-34	1,386	12,257	3,747	1,309	18,699
Total	6,483	85,836	19,851	8,026	1,20,196
Average	1,297	17,167	3,970	1,605	24,039

There was an increase in the number of offences under injury to forests by fires and other offences while there was a decrease under unauthorized fellings and unauthorized grazing.

16. *Fire-protection.*—The average area under systematic fire-protection was 15,640 square miles against 16,822 square miles in the previous period. Early burning under departmental supervision was tried over an average area of 998 square miles. The average expenditure under fire-protection was Rs. 45,013 against Rs. 42,509 in 1928-29.

17. *Protection from cattle.*—Nearly one-eighth of the area of departmental forests was closed to grazing during the year 1933-34, as was the case during the year 1928-29. The number of animals permitted to graze on payment in reserved forests and reserved lands decreased from 2,726,350 to 2,187,045 (1,458,529 animals in the departmental and 728,516 in the ryots' forests) in the closing year.

18. *Yield and outturn.*—The following table shows the annual average outturn of the forests for the two periods:—

Period.	Timber (in thousand of C. ft.).	Fuel (in thousands of C. ft.).	Bamboos value.	Minor forest produce value.
			Rs.	Rs.
1924-25 to 1928-29	5,081	18,782	3,85,433	8,02,419
1929-30 to 1933-34	3,021	18,792	3,90,898	5,77,219

The decrease in the output of timber is mainly due to curtailment of fellings on account of the general trade depression, the closure of all the departmental saw mills and a decrease in the supply of sleepers to railways (except in 1932-33). The decrease under bamboos and minor forest produce was also due to trade slump conditions. The small

increase in fuel was due to larger areas having been exploited according to the prescriptions of the revised working plans. The drop in revenue of minor produce is also due generally to the economic depression and particularly to the fall in the price of tan barks and strychnos nux vomica.

19. *Financial results.*—The annual financial figures of the period under report are as follows:—

Year.	Revenue.	Expenditure.	Surplus or deficit.
	RS.	RS.	RS.
Average for the period from 1924-25 to			
1928-29	54,58,562	48,97,612	5,60,950
1929-30	59,94,064	45,23,563	14,70,501
1930-31	46,83,394	42,79,831	4,03,563
1931-32	42,54,874	39,86,787	2,68,087
1932-33	47,38,169	37,89,150	9,49,019
1933-34	39,43,068	39,20,340	22,728
Total ..	2,36,13,569	2,04,99,671	31,13,898
Average ..	47,22,713	40,99,934	6,22,779

There was a decrease in the average gross revenue by 7.36 lakhs, which was chiefly due to the closure of the departmental saw mills, decrease in the sale of timber, sleepers, sandalwood and minor produce and to lower prices. The average expenditure also shows a decrease of about 8 lakhs. This is chiefly due to the abolition of the Chief Forest Engineer's branch, to the closure of the saw mills, to the curtailment in departmental fellings owing to want of demand, to the restriction of expenditure on buildings and roads to the extent absolutely necessary, to the emergency cut in salaries and to the adoption of various measures of economy in consequence of retrenchment.

20. *Forest education.*—Four Imperial officers were trained in Dehra Dun during the period under review.

Ninety-six students passed out of the Madras Forest College, Coimbatore, during the period, of whom three obtained Honours certificates, eighty-seven Higher standard and six Lower standard certificates. Of the ninety-six students, twenty were from Bombay, one from Coorg, ten from Hyderabad, twenty-one from Central Provinces, fifteen from Central India States, two from Travancore, twenty-two from Madras Government and five private students of whom two were from Madras.

Vernacular training schools with a six months' course were held for the training of foresters and forest guards in three circles during 1929-30, in one circle in 1930-31 and in three circles in 1933-34. During 1931-32 and 1932-33 no schools were held.

21. *Hill tribes.*—The Khonds in Ganjam, the Koyas and Reddis in the Godavaris and the hill tribes in Vizagapatam, Coimbatore North and Kollegal continued to help the department in fire-protection in return for free grazing and the free removal of forest produce besides which they were also granted money rewards. The hill tribes in Kollegal,

Palghat, Coimbatore North, the Nilgiris and Wynaad have been granted free leases of land for cultivation, in certain reserved forests and their labour is adequately paid for.

The position of the Savaras of the Parlakimedi Maliahs has become difficult owing to their increase in population, and because shifting cultivation which is their source of living has to be restricted. Recruitment for the Assam tea-plantations is in abeyance, too. Measures are being taken to train these Savaras in manual labour and in agriculture.

In Nellore, the Yenadis were employed on the departmental collection of minor forest produce and on watering the casuarina plantations. The Chenchus (a criminal tribe) of the Nallamalais in the Kurnool district numbering about four thousand have improved considerably. Twenty Chenchu schools have been opened. Deserving men were appointed as village officers and teachers. They are gradually being weaned from crime although the progress is slow. During the quinquennium a sum of about Rs. 1,30,000 was spent for the reclamation of the Chenchus. The co-operation of the Malayalis of the Vellore and Salem divisions in the protection of the sandal forests and fire-protection was enlisted by the hill village system and by the grant of grazing concessions and rewards.

Game preservation has been given much attention and it is good to see a society for the preservation of wild life in Southern India.

A. WIMBUSH,
Chief Conservator of Forests.

APPEN

APPENDIX A.—Comparative statement of number and origin

C. Fires beginning inside the

Owing to carelessness or accident.

District.	A. Fires caused by accidents or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		Owing to carelessness or accident.							
	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.	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 lighting or by fire balloons.	
(1)	(2)	(3)	(4)	(5)	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.
WALTIAIR												
Ganjam ..	..	..	7	756	1	40	13	2,331	..	..	..	..
Parlakimedi ..	..	..	11	686	..	..	3	144	..	..	..	..
Maliahs ..	..	..	5	408	4	59	16	1,012	..	..	..	..
Vizagapatam ..	..	..	4	705	..	..	24	43,647	..	..	..	..
Godavari, Upper ..	1	70	1	2,465	1	1	50	2,688	..	..	..	..
Do. Lower ..	1	1	1	50	..	..	11	745	..	..	..	..
Guntur ..	..	..	1	20	3	692	9	949	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	2	71	36	5,070	9	792	126	51,516	..	..	..	..
BELLARY												
Anantapur ..	..	..	2	825	3	293	6	280	..	..	..	..
Kurnool, East ..	..	..	..	..	1	30	3	153	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West ..	3	322	6	13,340	5	675	42	17,814	1	350	..	..
Cuddapah, North ..	..	..	14	12,945	3	1,082	28	26,646	..	..	..	..
Do. South ..	3	256	4	535	6	2,014	15	2,924	..	..	1	20
Total ..	6	578	26	27,645	18	4,094	94	47,817	1	350	1	20
SALEM												
Chittoor ..	2	94-00	6	2,027-00	5	395-25	13	2,374-94	..	..	..	..
Vellore, East ..	..	..	1	30-00	5	151-00	15	313-00	1	0-50	..	..
Do. West ..	..	..	4	42-00	..	..	10	163-00	..	..	..	..
Salem, North ..	..	..	4	371-00	..	..	11	135-00	..	..	..	..
Do. Central ..	1	0-20	2	110-00	1	15-00	24	1,336-00	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	3	94-20	17	2,580-00	11	561-25	73	4,371-94	1	0-50	..	..
COIMBATORE												
Kollegal ..	..	..	1	250	4	86	10	4,645	..	..	..	..
Coimbatore, North ..	10	679	6	205	9	1,288	11	827	..	..	..	..
Do. South ..	3	61	35	6,651	3	122	6	179	..	..	..	..
Madura ..	5	423	23	1,008	1	35	10	197	..	..	4	501
Tinnevely ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	18	1,163	65	8,114	17	1,531	84	7,742	..	..	4	501
OOTACAMUND												
Mangalore, North ..	5	45	27	2,410	6	571	8	177	..	..	..	..
Do. South ..	1	1	15	385	1	5	8	178	..	..	..	..
Wynaad ..	3	18	4	320	..	..	1	200	..	..	..	..
Nilambur ..	..	..	3	4	..	..	..	..	..	..	..	..
The Nilgiris ..	3	312	..	..	..	..	64	3,653	1	10	..	..
Palghat ..	2	2	7	90	8	292	10	689	..	..	..	..
Total ..	14	378	56	3,209	15	868	91	4,897	1	10	..	..
Total for the Presidency ..	43	2,284	200	46,618	70	7,846	468	116,344	3	361	5	521

Note for Waltair Circle.—

(a) Includes 362 acres of fire burnt areas in unprotected forests.

(b) Do. 686 do. do.

(c) Excludes 1 fire of 10 acres in Balliguda agency.

DICES.

of fires that occurred during the calendar year 1933.

reserves or fire-traced areas.

By intentional firing.

In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total, C.		Causes unknown.		Total of A, B and C and causes unknown.	
Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.	Number fires.	Area burnt in acres.
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
WALTIAIR											
5	298	3	400	..	..	22	3,060	(c) 5	1,105	34	(a) 4,930
..	..	..	..	..	..	3	144	2	10	16	820
10	18,646	4	5,060	..	..	20	1,071	..	..	25	(b) 1,479
6	292	..	..	..	..	38	67,353	12	16,656	55	84,784
12	4,725	..	..	..	..	57	2,981	6	732	71	6,179
..	..	..	..	3	228	11	745	1	150	13	945
33	23,961	7	5,460	..	..	27	6,594	5	87	33	6,701
BELLARY											
..	..	..	..	..	..	178	81,957	31	18,740	247	105,838
SALEM											
11	1,486	1	40	2	48	23	2,147	20	5,183	45	8,155
2	190	..	..	4	6	4	6	7	6,590	11	6,596
4	1,350	32	8,144	2	1	8	374	11	2,930	19	3,304
41	25,061	9	7,670	9	7,670	93	36,003	14	4,275	116	53,940
28	7,350	11	2,330	3	80	72	52,789	75	35,002	161	100,736
86	35,437	44	10,523	20	7,805	64	14,727	35	5,777	106	21,295
COIMBATORE											
..	..	..	..	..	..	264	106,046	162	58,757	458	194,028
OOTACAMUND											
56	13,340-50	2	435-00	..	..	76	16,545-69	41	9,326-25	125	27,992-94
22	795-00	..	..	..	..	43	1,259-50	100	4,793-00	144	6,082-50
66	5,863-00	1	150-00	..	..	77	6,176-00	4	346-00	85	6,564-00
7	1,913-00	..	..	..	..	18	2,048-00	43	17,531-00	65	19,950-00
8	582-00	1	45-00	..	..	34	2,028-00	48	3,894-75	85	6,032-95
..	..	..	..	..	..	..	..	106	4,651-38	106	4,651-38
159	22,493-50	4	630-00	..	..	248	28,057-19	342	40,542-38	610	71,273-77
WALTIAIR											
12	4,057	..	..	7	7,390	33	16,178	102	30,964	135	41,144
25	2,052	..	..	1	90	73	4,036	146	16,121	230	21,086
41	1,308	..	..	1	40	62	3,463	5	25	76	3,754
4	647	..	..	9	3,353	25	4,301	114	7,991	176	19,366
57	7,244	1	1	39	2,530	112	10,504	8	1,361	143	12,877
139	15,308	1	1	57	13,403	302	38,486	375	56,602	760	1,04,225
BELLARY											
11	394	3	112	7	696	3	1,950	4	45	71	4,450
5	292	..	..	..	..	14	475	19	341	49	1,202
..	..	..	..	..	..	1	200	6	1,725	14	2,263
20	1,189	..	..	..	..	..	..	1	1	4	5
19	896	..	..	2	16	87	4,868	15	122	105	5,312
..	..	..	..	4	140	41	1,927	12	183	62	2,207
55	2,681	3	112	13	852	178	9,420	57	2,432	305	15,439
472	99,880	59	16,726	93	22,288	1,170	263,966	967	177,933	2,380	490,801

APPENDIX B.—Comparative statement of impounded cattle during 1933-34.

District. (1)	Number of cattle impounded.		Average for the three years ending 1932-33. (4)
	1932-33. (2)	1933-34. (3)	
WALTAIR CIRCLE.			
Ganjam	1,308	473	1,697
Parlakimedi	509	868	509
Vizagapatam	443	155	259
Godavari, Upper	1,292	1,509	959
Do. Lower	1,874	1,177	1,517
Guntur	2,051	2,389	3,842
Nellore	1,414	1,535	1,595
Total ..	8,891	8,106	10,378
BELLARY CIRCLE.			
Anantapur	3,486	5,459	6,555
Kurnool, East	3,646	4,874	4,216
Do. South	2,386	3,150	5,077
Do. West	4,271	4,602	4,950
Cuddapah, North	3,640	3,562	3,783
Do. South	3,699	4,479	3,633
Total ..	21,128	26,126	28,214
SALEM CIRCLE.			
Chittoor	2,838	3,180	2,915
Vellore, East	3,293	3,187	3,927
Do. West	1,349	2,172*	1,138
Salem, North	1,658	344*	1,581
Do. Central	2,499	1,469	2,511
Do. South	1,031	1,202	906
Total ..	12,668	11,554	12,978
COIMBATORE CIRCLE.			
Kollegal	1,907	1,692	2,110
Coimbatore, North	1,852	2,193	2,905
Do. South	260	262	317
Madura	2,798	3,033	2,638
Tinnevely	1,254	2,029	1,751
Total ..	8,071	9,209	9,721
OOTACAMUND CIRCLE.			
Mangalore, North	284	288	245
Do. South	297	160	289
Wynaad	93	160	142
Nilambur	332	120	210
The Nilgiris	1,055	1,436	812
Palghat	436	300	294
Total ..	2,497	2,464	1,992
Total for the Presidency ..	53,255	57,459	63,233

Note for Salem Circle—

* The decrease in Salem North division is due to the transfer of Krishnagiri range to Vellore West division during 1933-34.

ANNUAL FORM No. 25.

Forest Department, Madras Presidency.

Area of Reserved Forests and Reserved Lands during 1933-34.

ANNUAL FORM

Forest Department,
Area of Reserved Forests and

Districts.	Area of Reserved					
	Area on 1st April 1933.		Added during the year.		Excluded during the year.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in Class I or departmental forests.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>Walkair Circle.</i>						
Ganjam	400,069	625	..	(a) 41	400,028	625
Parlakimedi	193,068	302	..	..	(d) 193,068	269
Vizagapatam	531,701	831 (e)	8,188	..	539,889	844
Godavari, Upper Do.	349,909	547 (f)	190	(a) 35	350,064	471
Do. Lower Rampa	36,094	56 (e)	2,042	..	38,136	60
Guntur	578,874	904	..	(f) 84	578,790	612
Nellore	475,691	743	..	(a) 11	475,680	373
Total ..	2,565,406	4,008	10,420	171	2,575,655	3,254
<i>Bellary Circle.</i>						
Anantapur	941,429	1,471 (a)	10 (c)	193	941,293	401
Kurnool, East Do.	625,778	978 (b)	6 (c)	40	625,778	945
Do. South	461,432	721	..	..	461,432	664
Do. West	604,017	944	..	(c) 326	603,691	854
Cuddapah, North Do.	710,152	1,110	..	..	710,152	934
Do. South	440,978	689	..	..	440,978	671
Total ..	3,783,777	5,913	16	559	3,783,234	4,469
<i>Salem Circle.</i>						
Chittoor	503,253	786 (a)	1-36 (b)	829	502,425	576
Yellore, East	544,606	851 (c)	14-74 (c)	..	544,621	467
Do. West	209,839	328 (c)	34,595 (e)	5-71	214,428	350
Salem, North	369,600	577	..	(d) 34,595	335,005	519-05
Do. Central	561,177	877	..	(f) 163,353	1397,824	547-29
Do. South	263,181	411 (f)	163,204 (k)	4,873	421,512	357-88
Total ..	2,451,656	3,830	197,815	203,656	2,445,815	2,817-22
<i>Coimbatore Circle.</i>						
Kollegal	602,923	942	..	(a) 125	602,798	942
Coimbatore, North	556,621	870 (b)	8 (a)	528	556,101	829
Do. South	249,660	390 (b)	3 (a)	7,623	242,040	373
Madura	442,098	691	..	(a) 6	442,092	643
Tinnevely cum Ramnad	267,156	417 (c)	6	..	267,162	407
Tanjore	6,468	10	..	..	6,468	6
Total ..	2,124,926	3,320	17	8,282	2,116,661	3,200

Note for Waltair Circle—

- (a) Disreserved.
- (b) Wrongly shown in the last year's return.
- (c) Notified under section 26 of the Madras Forest Act.
- (d) An area of 1,313 acres notified under section 33 of the Madras Forest Act.
- (e) Afforested.
- (f) Adoption of current areas as per section 16 notification.
- (g) Includes 253 acres excluded during settlement.
- The blocks of Rampa which were originally notified under section 26 of the Madras Forest Act and whose reservation now under sections 4 and 16 was found to be a mistake in view of the orders contained in G.O. No. 411, Revenue, dated 9th June 1894.

Note for Bellary Circle—

- (a) Due to changes between original areas and resettlement areas.
(b) Due to further changes in the total extents of the areas disafforested.
(c) Area disafforested under section 24 of the Madras Forest Act during the year.
(d) Represents the areas of reserved lands wrongly shown in the last return but now excluded as they were notified by the Collectors under rule 5 of the general rules under section 26 of the Madras Forest Act.
(e) Area of Vontimitta extension B. reserved forest (Chintarajupalle) published under section 4 of the Madras Forest Act.

Notes for Salem Circle—

- (a) Addition to Palmaner reserved forest (vide notification No. 50, dated 30th January 1934).
(b) Represents the area disreserved in Basuvareddipalli reserved forest (vide notification No. 331, dated 26th September 1933).

No. 25.

Madras Presidency.

Reserved Lands during 1933-34.

forests.		Area of reserved lands.						Total area of reserved forests and reserved lands in square miles.		
March 1934.		Area on 1st April 1933.		Added during the year.		Excluded during the year.			Area on 31st March 1934.	
square miles.										
Class III or ryots forests.	Total.	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.			
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)		
..	625 (c)	69,420	109 (c)	6,430	..	(c)	75,850	119	744	
..	..	112,875	176	..	..	(c)	112,875	176	176	
33	302	29	..	18,047 (b)	14	..	18,076	23	330	
..	844	42,427	66	..	(g)	8,441	33,986	53	897	
76	547	262	..	..	..	..	262	..	547	
..	60	55,436	87	54,378 } (e)	2,042	..	107,804	169	229	
292	904	..	..	..	..	..	..	..	904	
370	743	..	..	..	..	..	..	..	743	
771	4,025	280,463	438	78,887	10,497	..	348,853	545	4,570	
1,070	1,411	9,174	14	..	(d)	9,174	..	..	1,471	
33	978	..	..	..	..	..	..	..	978	
57	721	..	..	..	..	..	..	..	721	
89	943	5,155	8	..	(d)	5,155	..	..	943	
176	1,110	21,350	33	..	(d)	18,236 (e)	3,114	5	1,115	
18	689	1,046	2	..	(d)	1,046	..	..	689	
1,443	5,912	36,725	57	..	..	33,611	3,114	5	5,917	
209	785	1-36	..	..	..	1-36	..	..	785	
384	851	14-74	0-23	..	..	14-74	..	..	851	
32	382	..	..	(g)	32-85	..	52-85	0-05	382	
4-43	523-45	..	..	(h)	140	..	140	0-22	523-67	
74-30	621-59	3,790	5-92	..	..	1,903	1,887	2-94	624-53	
300-73	658-61	19,302	30	(i)	1,903	..	21,205	33-13	691-74	
1,004-43	3,821-65	23,108-10	36-023 or 36	2,075-85	1,919-10	..	23,264-85	36-34	3,858-94	
..	942	..	..	..	..	..	..	..	942	
40	869	..	..	..	14	..	14	..	869	
5	378	..	..	..	..	..	..	..	378	
(d) 48	691	..	..	..	..	..	..	..	691	
10	417	..	..	..	..	6	..	..	417	
(e) 4	10 (f)	5,992	9	..	..	..	5,992	9	19	
107	3,307	5,998	9	(c) 14	6	..	6,006	9	3,316	

- (c) Addition to Karuthamalai reserved forest (vide notification No. 131, dated 10th April 1933).
 (d) Represents the area of Krishnagiri Range reserves transferred from Salem North to Vellore West division in notification No. 120, dated 1st April 1933.
 (e) Represents 3-08 and 2-63 acres disreserved in Kottur reserved forests in notification No. 260, dated 7th July 1933 and No. 396, dated 20th November 1933, respectively.
 (f) Represents 163,183 acres of reserves transferred to Salem South division and 170 acres of Mallapuram extension reserved forest disreserved in notification No. 213, dated 5th June 1933.
 (g) Represents the area notified under section 4 in notification No. 259, dated 7th July 1933, as addition to Kottur reserved forest.
 (h) Area representing Aiyur extension III of Salem North division notified under section 4 in notification No. 245, dated 28th June 1933.
 (i) Represents the area of Arana reserved land transferred from Salem Central to Salem South division.
 (j) Represents 163,183 acres transferred from Salem Central division and 6 and 15 acres added to Puliyur extension II and Vembavur reserves respectively (Class III) according to Trichinopoly Collector's Pl. No. 259-A-1933, dated 18th April 1933.
 (k) Represents the area of Class III reserves of Lalgudi taluk transferred to Madurai division.

Note for Coimbatore Circle—

- (a) Disreserved.
(b) Correction in area.
(c) Notified under section 16.
(d) Against 48 square miles an area of 4 square miles is under the control of the Forest Department.
(e) Under the control of the Forest Department.
(f) Originally notified under section 26 by the Collector as a reserved land notified under section 4 in G.O. Ms. No. 1032, Development, dated 29th August 1933.

Area of Reserved Forests and

Districts.	Area on 1st April 1933.		Added during the year.		Excluded during the year.		Area on 31st	
							Area on 31st	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Acres.	Equivalent in Class I or departmental forests.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Mangalore, North	267,134	417						
Do. South	249,008	389	(a) 1.20	(b) 3.20	267,134	417		
Wynad	167,999	262			249,008	389		
Nilambur	68,822	108			167,999	262		
The Nilgiris	309,730	484			68,822	108		
Palghat	167,898	262		(b) 11	309,730	484		
Total	1,230,591	1,922	1.20	14.26	1,230,578	1,912		
Total, Presidency	12,156,356	18,993	208,269	212,682	1,215,943	15,652		

Note for Ootacamund Circle—
 (a) Area added under section 16.
 (b) Area disforested under section 24.
 (c) Toda patta lands.
 (d) Leased lands.

Reserved Lands during 1933-34—cont.

forests.	Area in reserved lands.							Total area of reserved forests and reserved lands in square miles.
	Area on 1st April 1933.		Added during the year.		Excluded during the year.		Area on 31st March 1934.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Acres.	Equivalent in square miles.	
March 1934.								
square miles.								
Class III or ryots forests. (8)	Total. (9)	Acres. (10)	Equivalent in square miles. (11)	Acres. (12)	Acres. (13)	Acres. (14)	Equivalent in square miles. (15)	(16)
Circle.								
..	417							417
..	389	689	1					390
..	262	22	18			689	1	262
..	108	11,510	2			22		126
..	484	1,210	(c) 4			11,510	(d) 18	490
10	262	2,818				1,210	6	262
10	1,922	16,249	25			2,818		1,947
3,335	18,987	362,543	565	80,976	46,033	16,249	25	19,608
						397,436	621	

Progress made in Working Plans during 1933-34—cont.

District.	Area for which Working Plans have been completed and approved by the Chief Conservator of Forests.		Area 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.	Total Forest area as in Form No. 25.
	At commencement of year.	During year.	At commencement of year.	Taken in hand during year.		
	(2) SQ. MLS.	(3) SQ. MLS.	(4) SQ. MLS.	(5) SQ. MLS.	(6) SQ. MLS.	(7) SQ. MLS.
SALEM CIRCLE.						
Reserved Forests.						
Chittoor	576	..	..	..	..	576
Vellore, East	302	..	165	..	..	467
Vellore, West	(c) 350	..	..	..	..	350
Salem, North	..	..	..	(d) 519	..	519
Salem, Central	(a) 424	..	36	92	..	552
Salem, South	(b) 391	..	..	..	..	391
Total	2,043	..	201	611	..	2,855
COIMBATORE CIRCLE.						
Kollegal	(a) 942	..	..	..	..	942
Coimbatore, North	829	..	..	..	..	829
Coimbatore, South	118	..	248	(b) 7	..	373
Madura	368	..	..	(e) 280	..	648
Tinnevely cum Ramnad	(d) 287	..	..	..	..	..
Ramnad	(c) 17	..	..	(e) 103	..	407
Tanjore	10	..	..	..	..	10
Total	2,571	..	248	390	..	3,209
OOTACAMUND CIRCLE.						
Reserved Forests.						
Mangalore, North	417	..	..	..	..	417
Mangalore, South	7	(a) 373	..	..	(b) 9	380
Wynaad	262	..	..	..	..	262
Nilambur	108	..	..	..	..	108
The Nilgiris	159	..	..	..	..	159
Palghat	104	(c) 142	..	..	(d) 325	484
Total	1,057	515	..	..	340	1,912
Reserved Lands.						
Mangalore, South	..	..	..	..	(e) 1	1
The Nilgiris	..	..	..	..	(f) 6	6
Total	..	..	..	..	7	7
Leased Forests.						
Nilambur	18	..	..	..	..	18
Total	18	..	..	..	..	18
Grand total	1,075	515	..	..	347	1,937
Total Presidency—						
Reserved Forests	10,219	1,094	1,487	1,301	1,551	15,652
Reserved Lands	37	..	..	37	529	603
Leased Forests	18	..	..	..	..	18
Total (A) 10,274		1,094	1,487	1,338	2,080	16,273

Note for Salem Circle—

(a) Includes 2-14 square miles of unreserved and 3 square miles of reserved lands and excludes 105 square miles transferred to Salem South Division.

(b) Includes 33 square miles of reserved lands and 105 square miles transferred from Salem Central Division.

(c) Includes 48 square miles of Krishnagiri Range transferred from Salem North Division.

(d) Represents the entire area of the division taken up for the consolidated working plan by the working plans party.

Note for Coimbatore Circle—

(a) For this area a revised working plan was completed during the year but it was sanctioned by Government in August 1934.

(b) Represents area originally proposed to be disreserved but not having been disreserved on account of the application having fallen through. It is now being included in the working plan under preparation.

(c) Area of the lapsed scheme sanctioned by the Chief Conservator.

(d) Area under temporary scheme sanctioned by the Conservator.

(e) Revised working plans for entire areas of Tinnevely and Madura are under preparation and are nearing completion, but in column (5) only portions are shown, as for remaining portions of divisions shown in column (2), there are existing working plans or schemes in function but these will be merged in new working plans.

Note for Ootacamund Circle—

(a) Sanctioned in Chief Conservator's Proceedings Press No. 484, dated 31st October 1933.

(b) Area of blocks declared as Reserved Forest.

(c) Sanctioned in Chief Conservator's Proceedings Press No. 42, dated 24th January 1934.

(d) Area of portions of Bolampatty Blocks I and II.

(e) Area of Malotu block notified under section 4 of the Madras Forest Act.

(f) Toda patta lands and Badaga plantations scattered over the district.

(A) Revised figures adopted.

ANNUAL FORM NO. 29. Communications and Buildings during 1933-34.

Description.	Name of the division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	M. F. CH.	Capital cost.	Number.	Length.	M. F. CH.	Capital cost.	Number.	Length.	Number.	Length.	Capital cost.
Roads and bridges including culverts.	Ganjam	31	103 3 0	70,950	1	3 4 0	(a)	2,518	32	105 7 0	24	82 5 0	1,850
	Parlakimedi	22	62 2 0	15,925	3	1 0 0	(b)	94	3	9 3 0	8	30 2 0	1,430
	Vizagapatam	22	183 0 0	33,290	6	3 4 1	(c)	1,508	16	59 1 0	12	68 1 0	1,628
	Godavari, Upper	20	102 0 0	41,873	3	3 4 1	(d)	219	20	102 6 0	16	92 1 0	1,740
	Do, Lower	34	186 0 0	32,234	3	3 4 1	(e)	100	34	186 0 0	14	31 6 0	1,724
	Guntur	23	157 4 0	13,533	3	3 4 1	(f)	100	28	157 4 0	12	37 1 0	683
	Nellore	157	795 5 0	2,07,911	7	21 2 0	(g)	3,347	158	812 6 0	76	282 1 0	7,075
	Total	118	..	94,840	5	..	..	517	113	..	87	..	4,199
	Parlakimedi	40	..	5,474	2	..	..	12,414	40	..	30	..	264
	Vizagapatam	47	..	15,149	1	..	..	365	46	..	28	..	1,505
Buildings, residential and non-residential.	Godavari, Upper	80	..	74,850	8	..	..	6,571	91	..	67	..	3,214
	Do, Lower	93	..	77,865	1	..	..	1,006	97	..	55	..	2,149
	Guntur	40	..	42,587	1	..	..	332	48	..	18	..	780
	Nellore	32	..	47,041	1	..	..	1,288	33	..	16	..	903
	Total	464	..	3,57,806	16	..	..	25,894	468	..	301	..	13,014
	Ganjam	25	..	4,753	1	..	..	203	26	..	10	..	149
	Parlakimedi	2	..	559	..	..	..	50	2	..	5	..	48
	Vizagapatam	9	..	2,511	..	..	..	221	15	..	12	..	119
	Godavari, Upper	19	..	16,239	1	..	..	50	12	..	1	..	6
	Do, Lower	14	..	4,359	1	..	..	50	12	..	2	..	98
Other works such as wells, etc.	Guntur	11	..	1,309	1	..	..	50	16	..	15	..	57
	Nellore	17	..	2,176	2	..	..	50	16	..	15	..	57
	Total	97	..	31,906	4	..	..	524	99	..	45	..	477

Description.	Name of the division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	M. F. CH.	Capital cost.	Number.	Length.	M. F. CH.	Capital cost.	Number.	Length.	Number.	Length.	Capital cost.
Roads and bridges including culverts.	Anantapur	115	36 3 0	3,749	..	..	..	115	36 3 0	..	5	18 1 0	322
	Kurnool, East	54	322 7 0	63,748	..	..	..	54	322 7 0	..	28	69 0 0	2,470
	Do, South	26	139 0 0	47,468	2	..	..	28	143 3 0	..	74	5 0 0	3,180
	Do, West	11	82 3 5	34,187	..	..	..	11	82 3 5	..	11	20 0 0	1,816
	Cuddapah, North	36	137 4 6	30,144	..	..	..	36	137 4 6	..	5	32 3 0	1,830
	Do, South	37	195 5 5	46,671	..	..	..	37	195 5 5	..	64	3 5	2,094
	Total	279	933 7 6	2,27,967	2	..	..	281	938 2 6	..	278	4 5	10,242
	Anantapur	22	..	40,066	1	..	..	3,422	21	..	12	..	1,842
	Kurnool, East	73	..	70,684	2	..	..	13,809	74	..	67	..	1,729
	Do, South	71	..	99,763	1	..	..	88	72	..	35	..	1,591
Buildings, residential and non-residential.	Do, West	72	..	1,37,929	1	..	..	130	70	..	39	..	1,243
	Cuddapah, North	56	..	86,614	1	..	..	110	72	..	29	..	1,247
	Do, South	86	..	93,235	1	..	..	486	54	..	29	..	1,433
	Total	380	..	5,23,291	4	..	..	2,256	385	..	52	..	8,085
	Anantapur	14	..	3,779	..	..	..	14	14	..	6	..	19
	Kurnool, East	32	..	7,338	..	..	..	1	22	..	8	..	40
	Do, South	12	..	4,603	..	..	..	581	13	..	4	..	120
	Do, West	82	..	10,695	..	..	..	12	85	..	3	..	124
	Cuddapah, North	13	..	3,151	..	..	..	237	85	..	1	..	11
	Do, South	161	..	34,905	..	..	..	47	15	..	22	..	323

WORKING PLANS CIRCLE.

Buildings Sylviculturist division. 1 .. 655 ..

Note for Bellary Circle—
(a) Includes Rs. 819 compensation paid in March 1934 by the Revenue Divisional Officer, Channarayana, for acquisition of land for Kankubba Gayagonda Road—not yet acquired by the Accountant-General.
(b) Debited to s. b. D. 2. Regeneration.
(c) Debited to s. b. D. 2. Buildings—Voted.
(d) Includes Rs. 36 debited erroneously to s. b. D. 2. buildings and excludes Rs. 283 debited erroneously to 52-A. Capital—Buildings—New works.
(e) Part construction of a road.
(f) Value of site for subordinate quarters at Lankavandibba.
(g) Excludes Rs. 2,425 being pay of bungalow watchers.

Note for Bellary Circle—
(a) Old existing roads added during the year.
(b) Due to works in progress and amount spent during the year.
(c) Banarasi Rest house was dismantled and sold.
(d) Cost of acquisition of site of Hospet Range office and quarters.
(e) Due to reconstruction of buildings.
(f) Due to reconstruction of buildings during the year.
(g) Written off during the year.
(h) Improvement made to the existing well during the year.
(i) Audited due to error in last year's figures.

Communications and Buildings during 1933-34—cont.

46

ANNUAL REPORT OF THE

Description.	Name of division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.
			M. F.	RS. A.		M. F.	RS. A.		M. F.	RS. A.		M. F.	RS. A.
SALEM CIRCLE.													
Buildings—Residential.	Chittoor, East..	42	185 0	42,185 0	+ 1	2 04	(b) 1,020	43	187 04	43,203 0	26	125 1	3,994
	Do. West..	29	137 1	55,178 0	..	7 4	(a-3) 173	29	137 1	55,351 0	16	93 3	2,180
Roads including bridges and culverts.	Salem, North	..	..	56,621 0	+ 2	..	(c) 832	9	47 1	58,015 0	7	39 5	1,420
	Do. South	..	..	40,419 0	- 3	12 4	(e) 565	12	84 3	44,007 0	10	72 1	4,022
Total	Salem, Central	15	73 5	10,575 6	- 2	2 3-9	(g) 1,236	13	71 1-1	15,339 6	10	63 5	2,070
	Do. South	34	151 5-4/5	34,705 0	+ 1	2 2	(f) 1,052	55	153 7-4/5	35,757 0	50	53 6	924
Buildings—Residential.	Total	142	683 7-4/5	2,51,682 6	- 1	3 1-4	..	22	141 680 6-4	2,51,704 6	89	452 5	14,610
	Chittoor	..	..	80,605 0	..	..	(f) + 144	80	..	80,749 0	48	..	2,097
Roads including bridges and culverts.	Vellore, East..	56	..	1,18,035 0	- 2	..	(d) 296	54	..	1,18,488 0	38	..	822
	Do. West..	32	..	69,999 0	+ 4	..	(e) 749	36	..	80,899 0	26	..	1,524
Total	Salem, North	42	..	76,169 0	- 4	..	(a) 1,523	38	..	80,899 0	26	..	1,411
	Do. Central	92	..	83,402 0	- 21	..	(c) 100	71	..	88,370 0	24	..	740
Other works	Do. South	54	..	53,235 0	+ 17	..	(e-4) 484	71	..	65,502 0	28	..	806
	Total	356	..	4,90,505 0	+ 5	..	(g) 9,277	351	..	4,92,412 0	192	..	2,563
Buildings—Residential.	Chittoor, East..	37	..	11,577 0	..	..	(f) 799	37	..	12,376 0	6	..	216
	Do. West..	18	..	12,195 0	..	..	(a) 588	37	..	12,195 0	6	..	1,703
Roads including bridges and culverts.	Salem, North	19	..	7,590 0	+ 2	..	(e) 338	19	..	8,178 0	5	..	887
	Do. Central	27	..	2,551 0	- 7	..	(g) 588	20	..	1,105 4	0	..	931
Other works	Do. South	11	..	2,929 0	+ 6	..	(a-2) 1,072	17	..	4,001 0	4	..	916
	Total	149	..	41,618 0	+ 1	..	..	150	..	42,441 4	33	..	14,646

COIMBATORE CIRCLE.

Buildings—Residential.	Kollegal	14	99 2	47,110 0	..	..	..	14	99 2	47,110 0	8	63 6	4,287
	Do. South	14	112 4	82,240 0	..	..	..	14	112 4	82,240 0	9	101 4	8,324
Roads including bridges and culverts.	Madura	45	289 4	1,32,749 0	+ 1	3 4	(a) 70	45	289 4	1,32,749 0	44	262 1	9,867
	Thinnevely cum Ramnad.	81	242 4	80,308 0	- 1	..	(b) 1,413	81	242 4	79,895 0	32	117 2	10,006
Total	Total	173	804 4	7,25,793 0	1	3 4	..	174	808 2	7,24,925 0	104	585 1	36,363
	Kollegal	63	..	80,019 0	..	..	(c) 3,035	63	..	83,054 0	23	..	1,207
Buildings—Residential.	Do. South	73	..	78,975 0	..	..	(e) 3,436	74	..	82,411 0	55	..	2,917
	Do. South	89	..	1,69,920 0	7	..	(c) 10,234	96	..	1,80,154 0	74	..	2,967
Roads including bridges and culverts.	Madura	105	..	1,41,044 0	..	..	(d) 1,41,044	105	..	1,41,044 0	85	..	1,897
	Thinnevely cum Ramnad.	61	..	1,03,323 0	- 2	..	(e) 2,317	59	..	1,01,006 0	57	..	2,357
Total	Total	391	..	5,73,281 0	46	..	..	397	..	5,87,069 0	294	..	11,365
	Kollegal	18	..	11,650 0	..	..	(f) 1,193	18	..	11,650 0	8	..	60
Buildings—Residential.	Do. South	9	..	3,813 0	..	..	(e) 522	10	..	5,214 0	3	..	108
	Do. South	35	..	4,092 0	1	..	(d) 7,511	35	..	7,511 0	14	..	1,398
Roads including bridges and culverts.	Madura	14	..	1,770 0	..	..	(e) 1,770	14	..	1,770 0	5	..	123
	Thinnevely cum Ramnad.	93	..	29,436 0	- 3	..	..	90	..	28,765 0	29	..	63
Total	Total	93	..	29,436 0	- 3	..	..	90	..	28,765 0	29	..	1,750

Note for Salem Circle—

- The figure 14 in the last year return is incorrect.
- Formation of Muddanapalli-Nongal road Rs. 220, and Improvements to Mammur-Pullutha road Rs. 800.
- Value of the roads of Krishnagiri range transferred from Salem North division.
- Cost of alignment of a cart track from Kuttathur to Melpet.
- Improvement made to the gillman road.
- Value of the two roads transferred to Vellore West division and the Palakod-Kesavagudi road abandoned in G.O. No. 1460, Development, dated 4th November 1932.
- Cost of improvements made to three roads.
- Cost of one road transferred to Salem South division on the approach road to Sholappadi rest-house written off in Conservator's S.O. No. 49, dated 7th March 1933.
- Cost of Atur-Periakavayam road transferred from Salem Central division.
- Cost of improvements to the Forest-guard's line at Naganapatti.
- Represents the cost of Kilminal outhouses and Aleri Inspection shed written off in Conservator's S.O. No. 171, dated 18th September 1933 and No. 105, dated 30th May 1934, respectively.
- Represents the cost of conversion of the stable at Komettovyeri into a motor garage and improvements made to District Forest Officer's quarters at Vellore.
- Value of four buildings transferred from Salem North division along with Krishnagiri range.
- Amount spent in the part construction of a rest-house at Nellivasal.
- Improvements made to Range Clerk's quarters at Alanganayam.
- Cost of four buildings transferred to Vellore West division along with Krishnagiri range.
- Represents cost of construction of a lac godown at Denkanikota for Rs. 1,229 and conversion of a stable at Jowaspiri into motor garage for Rs. 30 and cost of acquisition of land for inspection shed at Shidiakunta and Deverbetta for Rs. 43 and Rs. 120 respectively.

FOREST DEPARTMENT

47

Note for Coimbatore Circle—

- Compensation paid for lands acquired for Sirur, Alai Konapathi road.
- Suspension bridge at Kolamady written off.
- Combined Range office building newly constructed.
- Difference in opening balance is due to adoption of correct figures according to stock account for 1933-34.
- A sum of Rs. 3,035 was omitted to be accounted for previously and hence added now to the capital cost.

Communications and Buildings during 1933-34—cont.

Description.	Name of the division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	Length. M. F. CH.	Capital cost. RS. A.	Number.	Length. M. F. CH.	Capital cost. RS. A.	Number.	Length. M. F. CH.	Capital cost. RS. A.	Number.	Length. M. F. CH.	Capital cost. RS. A.
OOTACANUND CIRCLE.													
Roads including bridle paths.	Mangalore, North	36	74 6 0	15,449 0	0	0 2 0	(j)	36	74 6 0	15,449 0	7	49 5 0	357
	Do. South	40	118 5 0	31,361 0	+ 1	0 2 0	(j)	41	118 7 0	31,391 0	22	94 6 0	773
	Wynaad	62	229 3 0	1,24,621 0	0	0 0 0	(c)+ 1,316 0	62	229 4 0	1,26,000 0	52	182 2 0	(j)— 12,404
	Nilambur	22	38 7 0	23,290 0	0	0 0 0	(d)+ 848 0	22	38 7 0	24,138 0	18	26 3 0	2,084
	The Nilgiris	3	112 0 7 1	1,12,071 0	0	0 0 0	(e)+ 3,004 0	3	115 3 0	1,15,075 0	70	115 3 0	3,899
Palghat		53	237 5 0	1,69,005 0	+ 1	4 5 0	+ 867	54	262 2 0	1,69,872 0	48	216 3 0	2,867
	Total	236	831 5 0	5,15,968 0	+ 2	5 0 0	6,128	238	826 5 0	5,22,096 0	217	684 6 0	21,388
1,346													
20,542													
Buildings—Residential and non-residential.	Mangalore, North	75	..	79,466 0	0	..	..	75	..	79,466 0	64	..	1,021
	Do. South	47	..	73,913 0	+ 2	..	..	49	..	74,653 0	43	..	948
	Wynaad	118	..	1,36,212 0	0	..	..	118	..	1,36,037 0	113	..	1,970
	Nilambur	52	..	(d) 1,25,664 0	+ 1	..	..	53	..	1,26,478 0	45	..	1,703
	The Nilgiris	91	..	1,46,628 0	0	..	..	88	..	1,45,062 0	59	..	1,656
Palghat		62	..	1,57,185 0	0	..	..	62	..	1,58,268 0	50	..	3,704
	Palghat, exploitation. (Chenai Nair).	3	..	3,415 0	0	..	..	3	..	3,415 0	..	..	..
Other works, such as wells, etc.	Total	448	..	7,22,483 0	0	..	..	448	..	7,24,289 0	383	..	11,002
	Mangalore, North	32	..	11,231 0	0	..	..	32	..	11,291 0	9	..	30
	Do. South	16	..	6,457 0	0	..	..	16	..	6,517 0	5	..	86
	Wynaad	23	..	9,018 0	0	..	..	23	..	9,018 0	18	..	102
	Nilambur	10	..	(g) 6,645 0	0	..	..	11	..	6,782 0	10	..	83
The Nilgiris		(i) + 1	..	3,919 0	0	..	..	1	..	3,919 0	1	..	32
	Palghat	13	..	4,934 0	0	..	..	13	..	4,916 0	4	..	103
Palghat exploitation, (Chenai Nair).		1	..	926 0	0	..	..	1	..	926 0	..	..	..
	Total	97	..	43,357 0	0	..	..	97	..	44,619 0	47	..	496

FOREST ENGINEERING DIVISION, COIMBATORE.

Roads and bridges constructed in Nilambur division.	..	..	..	1,12,071 0	..	..	3,004 0	3	..	1,15,075 0	..	..	..
Buildings—Palghat exploitation division.	..	..	..	3,415 0	(a)—3	..	3,415 0	..	..	..	..	..	..
Other works such as wells.	1	..	..	926 0	(b)—1	..	926 0	..	..	..	..	..	..
Roads including bridle paths and culverts.	(A) 1,040	4,049	4	20,41,392 0	5	22 6 0	10,533 0	1,045	4,072	20,51,975 0	570	2,283	1 0
Buildings—Residential and non-residential.	(A) 2,043	..	..	32,57,882 0	—1	..	—4,92,739 0	2,042	..	27,65,143 0	1,405	..	58,139
Other works	(A) 598	..	..	1,82,148 0	—1	..	1,828 0	597	..	1,83,976 0	178	..	3,509
Grand total.	..	..	..	..	..	..	..	..	..	..	..	..	..

Note for Ootacamund Circle—

(a) Extension of Kottiyur Inspection path.
(b) Excess in lengths of inspection paths and roads included in the return for 1932-33 now excluded.
(c) Expenditure on metalling Boothakkal-Bavali road, charged to 'Ordinary', but treated as 'Capital' in this return.
(d) Expenditure on construction of retaining wall and pitching embankments to approach road to Neduzhayam bridge.
(e) Expenditure incurred by Forest Engineer on roads and bridges and buildings under construction by him.
(f) Dismantled—written off or sold.

(g) Correct figure after rectification is adopted.
(h) Expenditure on new works still incomplete.
(i) Well in Beypore depot, omitted in last year's return.
(j) Construction of a petty approach road charged to 'Ordinary' but treated as 'Capital' in this return.

Note for Forest Engineering Division—

(a) Stores valued at Rs. 993-1-0 transferred to Palghat division. Fencing valued at Rs. 27-3-0 transferred to Nilambur division. The rest were sold for Rs. 88-6-0.
(b) Transferred to Divisional Forest Officer, Palghat. (A) Revised figures adopted.

ANNUAL FORM NO. 30.

Forest Department, Madras.

Return of Breaches of Forest Rules during 1933-34.

District.	(1)	New cases of the year.				Total new cases of the year.				Disposed of during the year.					Cases pending at close of year.
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
		Cases pending from 1932-33.	Injury to forest by fire.	Unauthorized felling or removal of wood produce.	Grazing without permission or in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Cases.	Persons.	Convictions.	Acquittals.	Cases.	Persons.	Cases pending at close of year.
WALTAIR CIRCLE.															
<i>Reserves.</i>															
Ganjam ..	{ A B C Total	21 78 ..	1 1 33	67 450 52	2 16 ..	3 11 ..	73 478 85	94 556 ..	62 434 ..	241 1,360 ..	20 55 ..	83 165 ..	82 409 ..	329 1,534 ..	12 87 ..
Parlakimedi Malahs ..	{ A B C Total	27 44 ..	2 4 10	17 174 ..	1 19 ..	2 ..	20 199 10	47 243 ..	25 188 ..	65 264 ..	7 16 ..	31 38 ..	32 204 ..	96 302 ..	15 39 ..
Vizagapatam ..	{ A B C Total	33 13 ..	2 ..	97 127 5	3 6 ..	6 1	108 134 5	141 147 ..	19 116 ..	33 281 ..	7 5 ..	171 37 ..	95 121 ..	209 328 ..	46 26 ..
Godavari, Upper ..	{ A B C Total	46 8 0 ..	2 2 53	229 15 65 9	9 5 11	7 3 15	247 25 88 74	238 33 97 ..	135 25 84 ..	329 67 174 ..	81 2 ..	208 11 ..	216 27 84 ..	537 78 174 ..	72 6 13 ..
Godavari, Lower ..	{ A B C Total	41 52 ..	1 3 71	41 134 9	11 81 1	1 6 ..	64 224 81	95 276 ..	85 202 ..	293 456 ..	3 14 ..	5 61 ..	88 216 ..	298 517 ..	7 60 ..
Total ..		93	75	184	93	7	359	371	237	749	17	66	304	815	67

FOREST DEPARTMENT															
<i>Unreserved.</i>															
Guntur ..	{ A B C Total	124 73 ..	13 ..	246 251 4	91 93 ..	33 60 ..	370 439 17	494 512 ..	90 421 ..	324 803 ..	185 ..	524 ..	275 421 ..	848 893 ..	219 91 ..
Nellore ..	{ A B C Total	65 23 ..	33 ..	163 100 5	80 71 1	5 ..	243 236 30	308 259 ..	76 211 ..	141 444 ..	108 11 ..	455 53 ..	272 222 ..	596 499 ..	36 37 ..
Total ..		88	33	323	152	5	518	567	287	585	207	510	494	1,095	73
Ganjam ..	{ A B C Total	319 232 ..	8 213 ..	646 1,391 84	193 239 13	45 100 1	893 1,798 311	1,212 2,090 ..	382 1,556 ..	1,169 3,891 ..	489 81 ..	1,285 356 ..	871 1,737 ..	2,454 4,247 ..	341 353 ..
Total, Reserves ..		611	229	2,121	505	147	3,002	3,302	2,038	5,060	570	1,641	2,603	6,701	694
<i>Unreserved.</i>															
Ganjam ..	{ A B C Total	3 9 ..	..	84 ..	..	1 ..	4 85 ..	7 94 ..	5 34 ..	16 67 ..	..	..	5 64 ..	16 110 ..	2 30 ..
Parlakimedi Malahs ..	{ A B C Total	12 6 10 ..	..	88 1 29 ..	..	1 ..	89 1 30 ..	101 7 40 ..	39 3 25 ..	83 13 66 ..	30 1 3 ..	43 2 11 ..	69 4 28 ..	126 15 77 ..	32 3 2 ..
Total ..		16	..	30	1	31	47	23	79	4	13	32	92	15	..
Vizagapatam ..	{ A B C Total	7 ..	..	12 53 ..	7 1 ..	3 ..	19 57 ..	19 64 ..	16 3 ..	16 3 ..	3 53 ..	3 74 ..	19 56 ..	19 77 ..	8 ..
Godavari, Upper ..	{ A B C Total	16 8 ..	..	30 46 10 ..	..	2 1 ..	30 48 11 ..	83 46 56 ..	19 43 45 ..	19 79 72 ..	56 1 ..	77 1 ..	75 44 45 ..	96 80 72 ..	8 2 11 ..
Godavari, Lower ..	{ A B C Total	24 20 40 ..	..	86 34 280 ..	3 1 2 ..	3 6 30 ..	89 41 312 ..	102 61 352 ..	88 46 262 ..	151 159 449 ..	1 2 52 ..	1 13 114 ..	89 48 314 ..	152 172 423 ..	13 13 3 ..
Guntur ..	{ A B C Total	57 105 ..	..	197 412 24 ..	4 37 3 ..	12 18 1 ..	213 407 28 ..	413 572 ..	308 78 445 ..	608 156 675 ..	54 34 ..	127 57 ..	362 112 445 ..	595 213 675 ..	51 158 127 ..
Total ..		162	..	633	44	31	708	842	523	831	34	57	557	888	285

Note for Waltair Circle—

* Includes one fire in Balliguda Agency.

† One case pending at the close of 1932-33 was not shown in Ganjam division. Hence the increase.

NOTE.—The difference between the closing balance of 1932-33 and the opening balance of 1933-34 is due to the transfer of cases from one head to another.

A = Cases compounded.

B = Cases undetected.

C = Cases undetected.

Return of Breaches of Forest Rules during 1933-34—cont.

ANNUAL REPORT OF THE																
District	(1)	(2)	New cases of the year.					Disposed of during the year.							(16)	
			(3)	(4)	(5)	(6)	(7)	Convictions.		Acquittals.		Total.				
								Cases.	Persons.	Cases.	Persons.		Cases.	Persons.		
Nellore ..	..	48	..	227	..	..	0	284	17	23	251	517	268	540	16	
	..	72	..	360	..	2	362	434	327	451	13	21	340	472	94	
	..	..	..	45	..	..	45	..	..	..	..	..	..	..	..	
Total, Unreserves	..	120	..	632	..	11	643	718	344	474	264	538	608	1,012	110	
	..	150	..	505	..	27	544	694	208	462	292	593	500	1,055	194	
	..	251	..	1,254	..	56	1,361	1,612	1,141	1,783	151	263	1,292	1,906	320	
Circle total	..	401	..	1,343	..	85	1,989	2,306	1,349	2,245	443	856	1,792	2,961	514	
	..	469	..	1,451	..	73	1,437	1,906	590	1,631	781	1,878	1,371	3,509	535	
	..	543	..	2,555	..	156	3,159	3,702	2,797	5,574	232	619	3,029	6,153	673	
Grand total, Reserves and Unreserves.	..	..	..	163	..	3	395	..	..	..	..	..	..	..	..	
	..	1,012	..	3,969	561	233	4,991	5,608	3,387	7,305	1,013	2,497	4,400	9,662	1,208	

BELLARY CIRCLE.

Reserves.

Anantapur ..	..	80	97	40	18	104	104	52	147	93	216	145	363	49	..	..
	..	72	126	100	23	249	321	272	548	6	23	278	571	43	..	..
	..	..	13	..	..	58	..	..	..	..	..	..	..	..	..	..
Total ..	..	103	236	149	41	471	515	324	695	99	239	423	934	92	..	..
	..	20	81	29	3	113	133	22	40	91	266	113	306	20	..	..
Kurnool, East ..	..	32	256	179	21	456	488	380	959	15	66	395	1,025	93	..	..
	..	..	15	..	..	20	..	..	..	..	..	..	..	..	..	..
Total ..	..	52	352	208	24	589	621	402	999	106	332	508	1,331	113	..	..
	..	19	119	55	2	170	195	61	115	116	341	177	456	18	..	..
Kurnool, South ..	..	57	318	56	4	378	435	369	880	..	..	369	880	66	..	..
	..	1	50	17	..	75	..	..	..	..	..	..	..	..	..	..
Total ..	..	77	487	128	6	639	630	430	995	116	341	546	1,338	14	..	..

Kurnool, West ..	..	45	107	54	32	103	238	80	233	141	238	221	471	17	..	..
	..	87	165	130	43	338	425	317	1,074	11	37	328	1,711	97	..	..
	..	..	20	..	..	136	..	..	..	..	..	..	..	..	..	..
Total ..	..	132	292	184	75	667	663	397	1,907	152	275	549	2,182	114	..	..
	..	160	326	109	16	451	620	367	821	203	597	570	1,348	50	..	..
Cuddapah, North ..	..	67	379	79	28	488	555	311	1,133	36	122	347	1,255	208	..	..
	..	..	23	..	..	28	..	..	..	..	..	..	..	..	..	..
Total ..	..	236	733	188	44	967	1,175	678	1,954	239	649	917	2,403	288	..	..
	..	55	221	137	10	369	424	137	324	213	547	350	871	74	..	..
Cuddapah, South ..	..	19	156	131	13	290	300	218	503	42	139	260	642	40	..	..
	..	..	26	..	..	26	..	..	..	..	..	..	..	..	..	..
Total ..	..	74	403	258	23	685	733	355	827	255	686	610	1,513	123	..	..
	..	338	951	433	81	1,466	1,804	719	1,880	857	2,435	1,576	3,915	228	..	..
Total, Reserves ..	..	334	1,400	665	432	2,199	2,533	1,867	5,897	110	387	1,977	5,084	536	..	..
	..	1	152	17	..	343	..	..	..	..	..	..	..	..	..	..
Total ..	..	673	2,503	1,115	213	4,008	4,337	2,586	7,377	967	2,522	3,553	9,899	784	..	..

Unreserves.

Anantapur ..	..	13	90	..	5	95	108	47	50	48	77	95	133	13	..	..
	..	46	357	..	24	348	430	358	547	1	1	359	548	71	..	..
	..	..	21	..	..	21	..	..	..	..	..	..	..	..	..	..
Total ..	..	59	468	..	29	500	538	405	603	49	78	454	681	84	..	..
	..	3	5	..	..	5	5	1	1	3	5	4	6	1	..	..
Kurnool, East ..	..	..	79	..	..	77	82	65	149	..	..	65	149	17	..	..
	..	..	7	..	..	7	..	..	..	..	..	..	..	..	..	..
Total ..	..	3	91	..	..	91	87	66	150	3	5	69	155	18	..	..
	..	1	11	..	2	13	14	10	16	3	23	13	39	4	..	..
Kurnool, South ..	..	6	29	..	..	29	35	29	29	2	6	31	35	4	..	..
	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Total ..	..	7	41	..	2	43	49	49	45	5	29	44	74	5	..	..
	..	2	13	..	4	22	24	4	6	17	28	21	34	3	..	..
Kurnool, West ..	..	2	119	..	7	157	153	117	231	19	30	136	261	17	..	..
	..	..	2	..	..	2	..	..	..	..	..	..	..	..	..	..
Total ..	..	4	134	28	8	175	177	121	237	36	58	157	295	20	..	..

A = Cases taken to court.

B = Cases compounded and withdrawn.

C = Cases undetected.

Return of Breaches of Forest Rules during 1933-34—cont.

District.	(1)	Cases pending from 1932-33. (2)	New cases of the year.					Disposed of during the year.							Cases pending at close of year. (15)
			(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
			Injury to forest by fire.	Unauthorized logging or appropriation of wood produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Cases.	Persons.	Acquittals.	Cases.	Persons.	Total.	
BELLARY CIRCLE—cont.															
Unreserves—cont.															
Cuddapah, North	$\left\{ \begin{array}{l} A \\ B \\ C \end{array} \right\}$	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Total	..	..	..	..	..	..	..	..	..	..	..	..	..	
Cuddapah, South	$\left\{ \begin{array}{l} A \\ B \\ C \end{array} \right\}$	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Total	..	..	..	..	..	..	..	..	..	..	..	..	..	
Total, unreserves	A	18	4	119	4	8	135	151	62	79	71	133	212	18	
	B	57	4	709	..	32	769	828	695	1,113	22	37	717	109	
	C	..	..	31	..	..	31	..	..	..	..	..	1,150	65	
Circle total	$\left\{ \begin{array}{l} A \\ B \\ C \end{array} \right\}$	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Grand Total	746	185	3,362	1,143	253	4,943	5,314	3,343	8,569	1,080	2,692	4,403	911	
SALEM CIRCLE.															
Part I.—Reserves.															
Chittoor	$\left\{ \begin{array}{l} A \\ B \\ C \end{array} \right\}$	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Total	103	127	478	237	43	935	909	529	737	280	521	789	1,258	

FOREST DEPARTMENT

Vellore, East	{ A B C Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, West	{ A B C Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, North	{ A B C Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, Central	{ A B C Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, South	{ A B C Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total for the Circle	{ A B C Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Note for Bellary Circle—

NOTE.—The difference between the closing balance of 1932-33 and the opening balance of 1933-34 is due to the transfer of cases from one head to another

Note for Salem Circle—

• The difference in the opening balances against A and B is due to transfer of cases from B to A.

• The difference is due to 116 cases of B class being transferred to A class in Salem south division on their transfer from Salem Central Division.

(a) and (b) Denote the number of cases transferred from one division to another.

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

Abstract for the Circle.

C = Cases undetected.

Note for Salem Circle—
(a) and (b) represent cases transferred from one division to another.

Note or Coimbatore Circle—
A = Cases taken to Court.

TB == Cases compounded and withdrawn.

Return of Breaches of Forest Rules during 1933-34—cont.

District	(1)	Cases pending from 1932-33 (2)	New cases of the year.				Total new cases of the year. (7)	Disposed of during the year.				Total (14)	Cases pending at close of year. (15)		
			(3) Injury to forest by fire.	(4) Unauthorized logging or appropriation of wood and minor forest produce.	(5) Grazing without permission or in places in which grazing is prohibited.	(6) Other offences.		(8) Total cases.	(9) Cases.	(10) Persons.	(11) Cases.			(12) Persons.	
COMBATORE CIRCLE—cont.															
Reserves—cont.															
Tinnevely	..	52 75	.. 2	119 245	38 166	7 14	164 427	216 502	75 ..	170 ..	91 409	250 852	166 409	420 852	50 93
	Total	127	2	366	205	21	594	718	75	170	500	1,102	575	1,272	143
Circle Total	..	854	9	1,659	230	64	1,972	2,826	1,031	3,059	1,142	3,001	2,173	6,060	653
	..	470	7	1,292	436	82	1,817	2,287	1,234	2,086	532	1,217	1,766	3,303	521
	..	..	275	17	1	..	293	..	..	..	..	..	..	..	..
Total reserves	..	1,324	291	2,978	667	146	4,082	5,113	2,285	5,145	1,674	4,218	3,339	9,363	1,174
Unreserves.															
Kollegal	..	4 14	5 19	11 17	..	..	16 38	20 52	8 ..	10 ..	7 49	8 54	15 49	18 54	5 3
	Total	18	30	28	..	2	60	72	8	10	56	62	64	72	8
Coimbatore, North	..	..	..	21	..	1	22	22	8	12	11	30	19	42	3
	..	40	..	123	..	37	160	200	46	87	117	139	163	226	37
	Total	40	..	144	..	38	182	222	54	99	128	169	182	268	40
Coimbatore, South	..	..	..	1	..	..	1	1	1	3	..	..	1	3	..
	..	2	..	21	..	..	21	23	20	30	..	1	21	31	2
	Total	2	..	22	..	..	22	24	21	33	..	1	22	34	2
Madura	..	08	..	260	27	7	294	392	124	298	203	351	327	649	65
	..	142	..	414	10	36	460	602	444	555	22	27	466	582	136
	Total	240	..	676	37	43	756	904	568	853	225	378	793	1,231	201

ANNUAL REPORT OF THE

FOREST DEPARTMENT

Tinnevely	..	32 86	.. 2	58 361	7 6	32 183	90 503	122 451	33 ..	54 ..	78 562	135 1,101	111 562	189 1,101	11 89
	Total	118	8	428	7	220	663	773	33	54	640	1,236	673	1,290	100
Circle Total	..	134	5	351	27	40	423	557	174	377	299	524	473	901	84
	..	284	25	939	17	263	1,244	1,528	510	672	751	1,322	1,261	1,994	262
	..	..	8	..	..	..	16	..	..	..	..	..	..	..	..
	Total	418	38	1,298	44	303	1,683	2,085	684	1,049	1,050	1,846	1,734	3,363	1,174
Total reserves	..	1,324	291	2,978	667	146	4,082	5,113	2,265	5,145	1,674	4,218	3,339	9,363	1,174
Total unreserves	..	418	38	1,298	44	303	1,683	2,085	684	1,049	1,050	1,846	1,734	2,895	351
Grand total	..	1,742	329	4,276	711	449	5,765	7,198	2,949	6,194	2,724	6,064	5,673	12,258	1,525

OOTACAMUND CIRCLE.

Reserved Forests.

Mangalore, North	..	(e) 16 46	.. 3	39 176	7 47	2 0	48 235	64 281	18 194	29 376	(d) 2 (f) 39 (d) 10	9 28	59 213	92 404	5 68
	Total	62	81	215	54	11	361	423	212	405	60	91	272	496	73
Mangalore, South	..	(e) 22 23	1 9	26 134	6 30	4 9	37 182	59 205	48 120	97 194	8 21 (d) 26	8 38 36	51 167	105 268	8 38
	..	..	30	..	..	..	39	39	..	..	..	..	..	..	..
	Total	45	49	160	36	13	258	303	168	291	50	82	218	373	46
Wynad	..	1 7	.. 1	.. 7	.. 16	7 10	34 34	8 41	1 27	1 39	2 6	4 17	3 33	5 56	5 8
	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..
	Total	8	1	7	16	18	42	50	28	40	8	21	36	61	13
Nilambur	..	(e) 5 17	.. ..	3 8	1 29	4 40	8 77	13 94	7 65	10 128	(f) 1 (f) 3	1 3	10 68	13 131	3 20
	..	..	..	..	..	2	2	2	..	..	..	..	..	..	..
	Total	22	..	11	30	46	87	109	72	138	6	6	78	144	29

Note for Coimbatore Circle—

A = Cases taken to Court.

B = Cases compounded and withdrawn.

C = Cases undetected.

NOTE.—The difference between the closing balance of 1932-33 and the opening balance of 1933-34 is due to the transfer of cases from one head to another.

Return of Breaches of Forest Rules during 1933-34—cont.

District.	(1)	(2)	New cases of the year.					Disposed of during the year.							(15)
			(3)	(4)	(5)	(6)	(7)	Convictions.			Acquittals.		Total.		
								(8)	(9)	(10)	(11)	(12)		(13)		(14)
		Cases pending from 1932-33.		Unauthorised felling or appropriation of wood and minor forest produce.	Grazing without permission or in violation of grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	Cases pending at close of year.
OOTACAMUND CIRCLE—cont.															
Reserved Forests—cont.															
The Nilgiris	..	426.	11	15	8	13	36	30	28	50	8	34	34	90	535
	..	..	..	131	251	319	722	1,148	583	1,322	30	48	613	1,370	..
Palghat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	426	11	146	269	332	758	1,184	611	1,378	38	82	649	1,460	535
	..	18	..	10	3	1	23	41	34	60	1	3	35	63	63
	..	30	..	240	33	52	323	335	245	450	(d) 22	45	267	495	88
	..	..	02	24	..	..	86	86	..	..	..	..	..	..	..
	..	48	62	283	36	53	434	482	279	510	23	48	302	558	94
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total reserves, Ootacamund Circle	..	62	1	102	25	31	159	221	136	253	58	115	194	368	27
Palghat	..	549	24	698	416	439	1,575	2,124	1,234	2,509	127	215	1,361	2,724	763
	..	..	179	24	..	3	206	206	..	..	..	..	..	..	..
	..	611	204	822	441	473	1,940	2,551	1,370	2,762	185	330	1,555	3,092	780
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Unreserves.

Mangalore, North	..	..	..	42	..	..	42	72	26	40	(g) 12	12	54	79	18	..	..	..	..	..
Palghat	..	..	..	82	..	..	82	136	96	110	(d) 4	4	100	114	36	..	..	..	..	..
Total	..	..	..	124	..	..	124	208	122	159	32	34	154	193	54	..	..	..	..	..
Mangalore, South	..	..	..	7	..	..	20	97	63	66	2	4	65	70	32	..	..	..	..	..
Palghat	..	..	..	56	..	..	163	243	87	107	(d) 50	71	149	181	94	..	..	..	..	..
Total	..	..	..	63	..	..	183	340	150	173	64	78	214	251	126	..	..	..	..	..

FOREST DEPARTMENT

Wynaad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palghat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total unreserves, Ootacamund Circle	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total reserves and unreserves, Ootacamund Circle	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total Presidency reserves.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unreserves	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total of reserves and unreserves.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total, Presidency	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Note for Ootacamund Circle—
(d) Cases withdrawn.
(e) Differences between the closing balance of 1932-33 and the opening balance of 1933-34 are due to the transfer of cases from one head to another.
(f) Acquittal by Magistrate after payment of compounding fees in Court.
(g) Acquittal by Magistrate for want of evidence.

A = Cases taken to Court.

B = Cases compounded.

C = Cases undetected.

ANNUAL FORM No. 31.

Forest Department, Madras Presidency.

Area of Forest Tracts protected from fire during the calendar year 1933.

District.	Forest tracts.	During the year under report.				Cost during the year under report.
		Area protected during the previous year.	Area attempted to be protected.	Fires.	Actually protected.	
		(3)	(4)	(5)	(6)	
(1)	(2)	ACS.	ACS.	ACS.	ACS.	RS.
<i>Waltair Circle.</i>						
Ganjam	Special protection ..	53,006	54,026	57	53,960	2,200
	General protection ..	199,477	207,672	4,511	203,161	2,149
	Total .. (a)	252,483	261,698	4,568	257,130	4,349
Parlakimedi Mallahs ..	Special protection ..	111,226	5,315	820	5,315	24
	General protection ..	111,226	107,560	820	106,740	579
	Total ..	111,226	112,875	820	112,055	603
Vizagapatam	Special protection ..	74,594	76,179	543	75,636	251
	General protection ..	27,603	27,495	250	27,245	29
	Total ..	102,197	(c) 103,674	793	102,881	280
Godavari, Upper ..	Special protection ..	456,453	530,563	84,758	445,805	1,807
	General protection ..	1,140	9,326	26	9,300	..
	Total .. (a)	457,593	539,889	84,784	436,505	1,807
Godavari, Lower ..	Special protection ..	111,064	116,854	4,249	112,605	374
	General protection ..	107,257	111,796	1,930	109,866	169
	Total ..	218,321	(e) 228,650	6,179	222,471	(d) 543
Guntur	Special protection ..	327,373	332,736	945	331,791	..
	General protection ..	327,373	332,736	945	331,791	..
	Total ..	327,373	(f) 332,736	945	331,791	..
Nellore	Special protection ..	111,914	115,029	6,544	108,485	245
	General protection ..	123,896	123,949	157	123,792	..
	Total ..	235,810	238,978	6,701	232,277	245
Total, Waltair Circle ..	Special protection ..	807,031	897,966	96,151	801,815	4,901
	General protection ..	897,972	920,534	8,639	911,895	2,926
	Grand total ..	1,705,003	1,818,500	104,790	1,713,710	7,827
<i>Bellary Circle.</i>						
Anantapur	Special protection ..	13,306	13,412	113	13,412	..
	Early burning ..	3,909	3,909	8,042	3,796	58
	General protection ..	218,965	239,361	8,155	231,319	..
	Total ..	236,180	256,682	8,155	248,527	58
Kurnool, East ..	Early burning ..	117,178	193,978	6	193,972	428
	General protection ..	457,647	410,765	6,500	404,175	200
	Total ..	574,825	604,743	6,596	598,147	628
Kurnool, South ..	Special protection ..	1,695	534	3	531	67
	Early burning ..	202,739	233,971	1,101	232,870	470
	General protection ..	214,367	190,166	2,200	187,966	122
	Total ..	418,801	424,671	3,304	421,367	659

Note for Waltair Circle—

No early burning operations were undertaken.

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

(b) Excludes 138,330 acres of unprotected forests.

(c) Excludes 68,504 acres of unprotected forests wherein an extent of 686 acres was burnt.

(d) Excludes Rs. 230 spent on reclearing Rampa line and fire protecting Annamayyagoppu valley teak plantations, etc.

(e) Excludes 72,599 acres of unprotected forests.

(f) Excludes 58,681 acres of unprotected forests included in Repalle Range.

Area of Forest Tracts protected from fire during the calendar year 1933—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.	
			(4)	(5)	(6)	
(1)	(2)	(3)	ACS.	ACS.	ACS.	(7)
<i>Bellary Circle—cont.</i>						
Kurnool, West ..	Special protection ..	3,888	3,888	..	3,888	30 0
	Early burning ..	4,486	6,268	477	5,791	793 0
	General protection ..	483,941	536,625	53,463	483,162	441 0
	Total ..	492,315	546,781	53,940	492,841	1,266 0
Cuddapah, North ..	Early burning ..	44,462	52,633	50	52,583	203 0
	General protection ..	509,481	545,137	100,686	444,451	176 0
	Total ..	553,943	597,770	100,736	497,034	379 0
Cuddapah, South ..	Early burning ..	104,474	107,233	463	106,770	398 0
	General protection ..	304,624	321,948	20,832	301,116	452 0
	Total ..	409,098	429,181	21,295	407,886	850 0
Total, Bellary Circle ..	Special protection ..	18,889	17,834	3	17,831	97 0
	Early burning ..	477,248	597,992	2,210	595,782	2,352 0
	General protection ..	2,189,025	2,244,002	191,813	2,052,169	1,391 0
	Grand total ..	2,685,162	2,859,828	194,026	2,665,802	3,840 0
<i>Salem Circle.</i>						
Chittoor	Special protection ..	36,577	38,422	7,477	30,945	430 15
	General protection ..	322,387	329,897	20,516	309,381	..
	Total ..	358,964	368,319	27,993	340,326	430 15
Vellore, East	Special protection ..	99,476	100,998	1,290	99,708	920 0
	General protection ..	188,410	197,886	4,793	193,093	..
	Total ..	287,886	298,884	6,083	292,801	920 0
Vellore, West	Special protection ..	125,958	132,181	4,953	127,228	1,045 4
	General protection ..	60,742	(a) 91,672	1,611	90,061	..
	Total ..	187,700	223,853	6,564	217,289	1,045 4
Salem, North	Special protection ..	65,542	66,434	15,397	51,037	695 6
	General protection ..	296,509	265,755	4,553	261,202	..
	Total ..	362,051	332,189	19,950	312,239	695 6
Salem, Central ..	Special protection ..	248,145	231,602	5,206	229,396	1,270 0
	General protection ..	205,668	115,651	827	114,824	..
	Total ..	453,813	350,253	6,033	344,220	1,270 0
Salem, South	Special protection ..	83,941	86,152	3,496	82,746	1,064 6
	General protection ..	79,636	142,893	1,246	141,647	..
	Total ..	163,577	229,045	4,652	224,393	1,064 6
Total, Salem Circle ..	Special protection ..	660,639	658,789	37,729	621,060	5,425 15
	General protection ..	1,153,352	1,147,754	33,546	1,110,208	..
	Grand total ..	1,813,991	1,806,543	71,275	1,731,268	5,425 15
<i>Coimbatore Circle.</i>						
Kollegal	Special protection ..	10,175	11,925	61	11,864	188 0
	Early burning ..	585,410	590,873	47,080	543,793	365 0
	General protection ..	595,585	602,798	47,141	555,657	553 0
Coimbatore, North ..	Special protection ..	1,000	630	..	630	137 0
	Early burning ..	22,750	529,763	21,086	508,682	345 0
	General protection ..	502,892	529,763	21,086	508,682	345 0
	Total ..	526,842	530,393	21,086	509,312	482 0

Note for Salem Circle—

(a) Includes an area of 30,896 acres due to transfer of Krishnagiri Range from Salem North Division.

Area of Forest Tracts protected from fire during the calendar year 1933—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.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		ACS.	ACS.	ACS.	ACS.	RS.
<i>Coimbatore Circle—cont.</i>						
Coimbatore, South	Special protection	37,562	38,262	1,333	86,929	1,873
	Early burning	82	82		82	56
	General protection	207,229	200,227	2,421	197,806	15
	Total	244,873	238,571	3,754	284,817	1,944
Madura	Special protection	86,930	89,492	14,830	74,662	1,940
	Early burning	128,394	129,223	101	129,122	801
	General protection	193,014	194,781	4,435	190,346	
	Total	408,338	413,496	19,366	394,130	2,741
Tinnevely	Special protection	132,625	135,543	6,379	129,164	401
	Early burning					
	General protection	108,836	107,400	6,499	100,901	
	Total	236,461	242,943	12,878	230,065	401
Circle Total	Special protection	258,117	263,027	22,542	241,385	4,351
	Early burning	161,401	141,230	162	141,068	1,045
	General protection	1,592,881	1,623,949	81,521	1,541,528	725
	Total	2,011,899	2,028,206	104,225	1,923,981	6,121
<i>Ootacamund Circle.</i>						
Mangalore, North	Early burning		1,300		1,300	24
	Special protection	68,736	67,465	1,964	65,501	2,358
	General protection	(a) 196,318	198,359	2,486	195,873	
	Total	265,054	267,124	4,450	262,674	2,382
Mangalore, South	Early burning		3,990		3,990	69
	Special protection	242,608	233,156	1,001	232,155	2,427
	General protection		12,549	201	12,348	
	Total	242,608	249,695	1,202	248,493	2,496
Wynaad	Early burning	47,935	67,721		67,721	327
	Special protection	110,079	100,278	2,263	98,015	1,089
	General protection	7,522				
	Total	165,536	167,999	2,263	165,736	1,416
Nilambur	Special protection	80,252	80,289	5	80,284	4,170
	Early burning					
	General protection	87,239	87,574	1,557	86,017	2,232
	Total	307,109	309,730	5,312	304,418	2,232
Palghat	Special protection	116,199	118,410	1,186	117,224	1,982
	Early burning	47,281	45,742	1,020	44,722	
	General protection					
	Total	163,480	164,152	2,206	161,946	1,982
Total, Ootacamund Circle.	Early burning	47,935	73,011		73,011	420
	Special protection	708,113	687,172	7,976	679,196	14,258
	General protection	470,991	478,806	7,462	471,344	
	Grand total	1,224,039	1,238,989	15,438	1,223,551	14,678
Total Presidency	Special protection	1,855,189	2,523,688	164,401	2,361,287	29,033
	Early burning	686,584	812,233	2,372	809,861	3,817
	General protection	6,303,721	6,410,145	322,981	6,087,164	19,720
	Grand total, Presidency (c)	8,845,494	(d) 9,748,066	(e) 489,754	9,258,312	52,570

Notes for Ootacamund Circle—

- (a) The difference of 20 acres is due to a mistake in last year's return now set right.
 (b) No early burning. (c) Revised figures adopted.
 (d) Excludes 269.14 acres of class I forests not taken into account by the Conservators.
 (e) Excludes 1,017 acres shown in Appendix A.

ANNUAL FORM No. 32.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1933-34.

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).	
(1)	(2)	(3)	Whole year.	Part of year.	Whole year.	Part of year.
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
<i>WALTAIR CIRCLE.</i>						
<i>Reserved Forests.</i>						
Ganjam	43		582			
Vizagapatam	14		200		55	
Godavari, Upper	21		823			
Do. Lower	137		(a) 394			
Guntur	56		219		337	
Nellore	154	(b) 187	32			
Total	425	187	2,250		392	
<i>Reserved Lands.</i>						
Ganjam			119			
Parlakimedi	8		168			
Vizagapatam	17		11			
Godavari, Upper			53			
Do. Lower			169			
Total	25		520			
<i>BELLARY CIRCLE.</i>						
Anantapur	35	1	(c) 360	1		
Kurnool, East	7		938			
Do. South	32		632			
Do. West	32		822			
Cuddapah, North	42		892			
Cuddapah, South	81		594			
Total	229	1	(d) 4,233	1		
<i>SALEM CIRCLE.</i>						
<i>Reserved Forests.</i>						
Chittoor	124					452
Vellore, East	20					447
Do. West	16					334
Salem, North	35					484
Do. Central	21					526
Do. South	11					347
Total	227					2,590
<i>Reserved Lands.</i>						
Chittoor						
Vellore, East						
Do. West						
Salem, North						
Do. Central						3
Do. South						33
Total						36

(a) Includes 136 square miles of inaccessible areas.

(b) All kanchas are closed for three months during early rains to allow grass to grow.

(c) An area of 5 square miles leased out to Adoni Municipality for a period of 25 years from 1st July 1931 as per G.O. No. 499, Development, dated 31st March 1931. Last year by mistake this was included in column (4) of the return.

(d) Excludes 5 square miles of Reserved Lands.

Area closed and open to grazing during 1933-34—*cont.*

District.	(1)	Closed to all animals.		Open to grazing.		Of all animals except browsers (sheep and goats).	
		Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
		(2)	(3)	(4)	(5)	(6)	(7)
		SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
COIMBATORE CIRCLE.							
Kollegal	..	3	..	939	..	..	..
Coimbatore, North ..	..	76	..	753	..	..	..
Do. South ..	..	241	..	132	..	..	..
Madura	..	150	..	313	..	183	..
Tinnevely	..	258	2	137	4	..	9
Total ..	..	728	2	2,274	4	183	9
OOTACAMUND CIRCLE.							
<i>Reserved Forests.</i>							
Mangalore, North ..	..	17	..	400	..	..	..
Do. South ..	..	9	..	380	..	..	..
Wynaad	..	2	..	260	..	..	..
Nilambur	..	103	..	..	..	..	..
The Nilgiris ..	..	24	6	454	..	..	..
Palghat	..	147	..	96	..	9	..
Total ..	..	307	6	1,590	..	9	..
<i>Reserved Lands.</i>							
Mangalore, South ..	..	..	..	1	..	..	..
Nilambur	..	18	..	..	..	..	..
The Nilgiris ..	..	..	..	6	..	..	..
Total ..	..	18	..	7	..	..	..
Grand Total ..	..	325	6	1,597	..	9	..
Total Presidency—	..	1,916	196	10,352	5	3,174	9
Reserved Forests ..	..	43	..	542	..	86	..
Reserved Lands ..	..	..	..	..	..	..	..

ANNUAL FORM NO. 33.

Forest Department, Madras Presidency.

Return of Grazing in the State forests during 1933-34.

District.	At enhanced or special rates.				Grazing on payment. Number of animals.				At full rates.			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	ES.
		Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	
						ES.						
						WALT AIR CIRCLE.						
						Reserved Forests.						
Gariom	..	..	..	..	..	..	6,137	41,703	497	..	10,167	
Parlakmedil Maliahs.	..	232	..	..	..	..	2,477	2,780	676	..	1,514	
Vizaganatalu	..	..	2,928	..	..	..	189	5,641	60	..	1,135	
Godavari, Upper ..	..	..	9,964	90	..	(c)	..	21,556	..	..	..	
Do, Lower ..	..	134	1,474	..	..	(f)	801	49,293	..	..	..	
Guntur ..	..	..	..	..	..	..	9,167	..	33,202	..	..	
Nellore ..	..	..	..	..	..	..	520	1,556	344	..	..	
Total ..	14,077	14,366	14,366	90	..	17,475	19,291	156,458	54,785	..	83,751	

Grazing on payment. Number of animals.

District.	At enhanced or special rates.					At full rates.					RS.
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(11)
	Buttaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buttaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	
Anantapur ..	..	..	..	..	..	{ (a) 602 (b) 1,399 (c) 3,729	{ (a) 17,760 (b) 12,111 (c) 19,800	{ (a) 23,258 (b) 7,811 (c) 36,872	..	..	15,297
Kurnool, East ..	..	..	..	..	..	{ (a) 1 (b) 869 (c) 4,237	{ (a) 148 (b) 10,152 (c) 13,211	{ (a) 149 (b) 23,375 (c) 21	..	..	7,055
Do. South ..	..	..	..	..	..	{ (a) .. (b) 6,297 (c) 40	{ (a) .. (b) 36,083 (c) 4,100	{ (a) .. (b) 35,275 (c) 49	..	..	21,915
Do. West ..	..	..	..	..	..	{ (a) .. (b) 4,282 (c) 403	{ (a) .. (b) 22,445 (c) 16,535	{ (a) .. (b) 62,239 (c) 20,170	..	..	11,988
Cuddapah, North..	..	..	..	..	..	{ (a) .. (b) 29,082 (c) 4,519	{ (a) .. (b) 29,082 (c) 4,519	{ (a) .. (b) 29,082 (c) 4,519	..	..	15,647
Do. South..	..	..	..	..	..	{ (a) .. (b) 29,082 (c) 4,519	{ (a) .. (b) 29,082 (c) 4,519	{ (a) .. (b) 29,082 (c) 4,519	..	..	2,020
Total ..	..	..	..	..	..	21,879	175,589	209,444	7	..	1,63,801

Return of Grazing in the State forests during 1933-34—cont.

Grazing on payment. Number of animals—cont.

At privileged rates.										By right under settlement.										Grazing free. Number of animals.						
On payment. Number of animals—cont.										During pleasure of Government or otherwise than under settlement.										Grand total of value at full rates.						
District.	Fees received.			Actuals.	Value at full rates.			Other animals.			Cows and bullocks.			Goats and sheep.			Other animals.			Value of fees at full rates.	RS.	(27)	(28)	RS.	(29)	Grand total of value at full rates.
	(12)	(13)	(14)		(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)										
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah, North..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do South..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Note for Bellary Circle—

I. Anantapur—
(a) Buffaloes at Re. 1; cows at 8 annas; sheep at 4 annas.
(b) Buffaloes at 12 annas; cows at 6 annas; sheep at 3 annas.

II. Three Kurnool divisions—
(a) Buffaloes at 12 annas; cows at 8 annas; sheep at 4 annas.
(b) Buffaloes at 12 annas; cows at 6 annas; sheep at 3 annas.
(c) Buffaloes at 12 annas; cows at 8 annas; sheep at 4 annas.
(d) Buffaloes at 12 annas; cows at 6 annas; sheep at 3 annas.

III. New Cuddapah divisions—
(a) Buffaloes at 12 annas; cows at 8 annas; sheep at 4 annas.
(b) Buffaloes at 12 annas; cows at 6 annas; sheep at 3 annas.

Return of Grazing in the State forests during 1933-34—cont.

(c) Cows at 3 annas.		(d) Cows at 1 anna.		Abstract of animals permitted to graze on payment—		Number of animals	
Buffaloes	..	..	..	..	..	..	..
Cows and bullocks	..	..	..	..	..	..	..
Sheep	..	..	..	..	..	..	21,879
Other animals	..	..	..	..	..	..	175,589
Cows and bullocks	..	..	..	..	..	..	209,444
	..	..	..	..	..	..	7
	..	..	..	..	..	..	157
Total	..	..	..	..	..	..	407,076

Return of Grazing in the State forests during 1933-34—cont.

District.	At enhanced or special rates.				Grazing on payment. Number of animals.				At full rates.					
	(1) Buffaloes.	(2) Cows and bullocks.	(3) Goats and sheep.	(4) Other animals.	(5) Fees received.	(6) Buffaloes.	(7) Cows and bullocks.	(8) Goats and sheep.	(9) Other animals.	(10) Fees received.	(11) Buffaloes.	(12) Cows and bullocks.	(13) Goats and sheep.	(14) Other animals.
Chittoor ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salcm, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Central ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

ANNUAL REPORT OF THE

Return of Grazing in the State forests during 1933-34—cont.

District.	Grazing on payment. Number of animals—cont.					Grazing free. Number of animals.					Grand total of value at full rates.		
	At privileged rates.					By right under settlement.					Total value of fees at full rates.		
	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Goats and sheep.	Cows and bullocks.
Chittoor ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, East ..	(d) 2,813	19,249	3,979	..	5,037	13,432	..	..	..	..	..	..	..
Do. West ..	(e) 39	516	82	..	159	318	..	..	..	..	..	..	..
Salem, North ..	(b) 25	186	1,783	..	423	564	..	..	..	..	..	..	..
Do. Central ..	(d) 1,317	9,204	2,005	..	2,407	6,420	..	..	..	..	..	..	..
Do. South ..	(e) 273	8,766	3,266	..	2,052	6,150	248	..	..	139	..	..	..
Total ..	4,467	37,921	11,115	..	10,078	26,890	248	..	..	139	..	..	..

SALEM CIRCLE—cont.

One buffalo = 2 cows = 4 sheep; 1 cow = 1 ass.
Abstract of animals licensed to graze on payment—

Buffaloes.	7,420	Cows or bullocks.	299,365	Sheep.	76,801	Other animals.	60	Total.	333,733
------------	-------	-------------------	---------	--------	--------	----------------	----	--------	---------

Grand total of value at full rates. RS. 1,31,780

23,069
31,603
29,967
21,603
42,143
30,234

Note for Salem Circle—

- (a) Eight annas per cow unit.
 (b) Six annas per cow unit.
 (c) One rupee per cow unit.
 (d) Three annas per cow unit.
 (e) Four annas per cow unit.
 (f) Twelve annas per buffalo, 8 annas per cow and 4 annas per sheep.
 (g) Nine annas per cow unit.

FOREST DEPARTMENT

Return of Grazing in the State Forests during 1933-34—cont.

District.	Grazing on payment. Number of animals.					Grazing on payment. Number of animals.					Grand total of value at full rates.		
	At full rates.					At privileged rates.					Total value of fees at full rates.		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value at full rates.	Goats and sheep.	Cows and bullocks.	Other animals.
Kollegal ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, South ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madurai ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tirunelveli ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..

COIMBATORE CIRCLE.

4,449 79,428 4,234 45,222
2,488 52,681 9,955 32,316

(a) 327 7,924 244 (c) 3 4,409
201 30,814 4,722 22,993
379 11,688 8,615 8,377

7,844 182,535 27,770 3 113,317 161 20 0 80 8 0

RS. A. P. RS. A. P.

Grazing free. Number of animals.

Reserved Forests—cont.

(c) Slaughter cows and sheep.
(d) Free grazing to cattle Irulars of Anakkutti—Paragraph 128 of the Working Plan for Thadagam valley—C.C.P. Mls./Prices No. 294, dated 22nd July 1931.
(e) Free grazing to cattle Irulars of Vellapathy, Sadiyaval, Poratty and Singacatti.

**Abstract of and
Buffaloes
Cows and bullocks
Goats and sheep ..**

Abstract of animals permitted to graze on payment in Reserved Forests and Reserved Lands.

Circle.	Buffaloes.	Bullocks and cows.	Sheep.	Other animals.	Total.
Waltair	41,042	222,001	63,582	..	326,625
Bellary	21,879	175,746	209,444	7	407,076
Salem	7,420	299,365	76,891	60	383,736
Coimbatore.. ..	7,844	182,535	27,770	3	218,152
Ootacamund ..	14,369	75,254	33,317	..	122,940
Total, Departmental Forests	92,554	954,901	411,004	70	1,458,529
Panchayat Forests..	19,973	275,755	432,722	66	728,516
Grand Total, Presidency	112,527	1,230,656	843,726	136	2,187,045

ANNUAL FORM NO. 34-A.

Progress in afforestation and regeneration under Working Plans or Schemes during the year 1933-34.

ANNUAL

Forest Department,

Progress in afforestation and regeneration under Working

Division	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3) YRS.	(4) ACS.	(5)
WALTAIR				
Ganjam	Plains Sal Timber Working Circle ..	1930-31 to 1939-40	1,859	Clear felling and natural regeneration.
	Ravine Working Circle ..	1930-31 to 1939-40	803	Clear felling and regeneration partly natural and partly artificial.
Vizagapatam	Sal Working Circle ..	1927-28 to 1961-62	(a) 925	Clear felling and natural regeneration.
Godavari, Lower.	Kandikuppa Casuarina Plantation Working Circle.	1924-25 to 1933-34	(a) 690	Planting seedlings 7' x 7'.
Guntur (b)	Fuel Working Circle in Upland Forests.	1931-32 to 1940-41	*	Rab regeneration in felled coupes.
	Fuel Working Circle in Kondapalli.	1927-28 to 1936-37	*	
	Babul Working Circle ..	1927-28 to 1940-41	120	Babul regeneration under taungya method.
Nellore	Sriharikota Casuarina Plantation Working Circle.	1929-30 to 1938-39	550	Planting seedlings 7' x 7'.
			4,947	

BELLARY

KURNOOL WEST

1	Gundlabrahmeswaram Range.	High Forest Working Circle, Gundlabrahmeswaram Series.	10 years.	10 acres each year.	Clear felling and artificial regeneration.
2	Do.		10 years.	10 acres each year.	Maintenance of nursery of teak.
3	Nandyal Range.	High Forest Working Circle, Ramapenta Series.	10 years.	10 acres each year.	Clear felling and artificial regeneration.
4	Do.	Do.	..	20	Maintenance of nursery of teak ..
					Total ..

SALEM

Chittoor	..	1 Sandal regeneration	..	..	1-4-33	..	Sandal seeds were redibbled by subordinates free of cost in the 1-acre plots dibbled last year.
					to		
					31-3-34		
		2 Timber regeneration compartment			1-4-33	..	Early burning aeration of soil under red sanders mother trees and cutting of climbers. All these operations were redone over the area done last year as the last year's work was not successful.
		1. Mamandur.			to		
					31-3-34		

Note for Waltair Circle —

(a) Correct areas brought forward after survey during the year.

(b) The details relating to Guntur district have been brought to Form No. 34-A as the working plan was sanctioned only during 1933-34.

* Area to be regenerated could not be noted as the sowings are confined only to patches.

FORM No. 34-A.

Madras Presidency.

Plans or Schemes during the year 1933-34.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.
			Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6) ACS.	(7) ACS.	(8) ACS.	(9) RS.	(10) RS.	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(15) RS.	(16) RS.
CIRCLE.										
413	186	599	686	1,348	2,034	2,156	4,983	7,144	..	..
253	60	313	240	794	1,034	1,707	2,291	3,998	..	..
(a) 80	23	103	168	56	224	292	409	701	..	..
623	67	690	1,011	814	1,825	13,628	4,093	17,726	2,038	8,407
3	9	12	62	..	62	116	..	116	..	..
8	1	9	25	..	25	198	..	198	..	..
40	10	50	28	8	36	59	13	72	7	11
212	50	262	1,385	155	1,540	7,540	326	7,866	201	516
1,632	406	2,038	3,605	3,175	6,780	25,636	12,125	37,821	2,246	8,934
CIRCLE.										
DIVISION.										
35	10	45	..	434	434	..	1,282	1,282	..	..
35	10	45	49	385	49	182	1,187	1,187	..	..
..	..	..	43	..	43	196	..	196	..	..
70	20	90	92	819	911	378	2,469	2,847	..	..
CIRCLE.										
508	..	508	..	..	..	..	..	..	..	..
722-1	..	722-1	670	..	670	3,443	..	3,443	..	..
1,230-1	..	1,230-1	670	..	670	3,443	..	3,443	..	..

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3) YRS.	(4) ACS.	(5)
SALEM				
Vellore, East ..	1 Virinchipuram	1888-89	Blanks in felled coupes.	Dibbling of seeds of timber species.
	2 Chenur	1933-34.	Do.	Do.
	3 Kilminnel	Do.	Do.	Do.
	4 Tiruvallam	Do.	Do.	Do.
				Total ..
Salem, Central..	1 Kurumbapatti palmyra tope ..	16 years from 1926-27.	379	Sowing palmyra seeds
	2 Chitterit timber	1931-32 to 1933-34.	15 at the rate of 5 acres each year.	Planting stumps of teak, <i>Pterocarpus marsupium</i> and rose-wood.
	3 Kottapatti timber	Do.	Small plots each year.	Sowing seeds of <i>Terminalia arjuna</i> and <i>mangifera indica</i> along blanks of streams and <i>Hardurickia binata</i> , <i>Acacia ferruginea</i> , <i>Anogeissus latifolia</i> and <i>Chloroxylon swietenia</i> in coupes felled.
	4 Fuel	Do.	Do.	Sowing in burnt patches
	5 Sandal	Do.	10	Sowing seeds of sandal above 2,000 feet contour by dumping methods.
			394	
Salem, South ..	Timber coupes I to X of experimental regeneration block in coupe II Jambuthu felling series.	1932-33 to 1941-42.	144	Sowing seeds of timber species in lines of 12 feet apart.
	Jalluthu	1927-28	114	Felling of fuel coupes under simple coppice system. Sowing of seeds of indigenous species in blank areas.
	Sandal coupes I to VI in 10 sandal series.	1932-33 to 1937-38.	600	Direct sowing and planting seedlings of sandal and host plants raised in nursery.
			858	
	Grand total ..		1,252	

COIMBATORE

COIMBATORE

Regeneration area.	Mount Stuart Working Circle	1919 .. ..	....
		1921 .. ..	....
		1922 .. ..	....
		1923 .. ..	....
		1924 .. ..	....
		1925 .. ..	....
		1926 .. ..	....
		1927 .. ..	....
		1928 .. ..	....
		1929 .. ..	....
		1930 .. ..	....
		1931 .. ..	....
		1932 .. ..	....
		1933 .. ..	....
		1934	92

Note under Salem Circle—

Salem, South.—Figures for Jalluthu Working Circle has been included under Salem, South as this reserved forest was transferred to this division from Salem, Central during 1933-34.

Salem, Central.—In respect of items 2, 3, 4 and 5 area expenditure and revenue are not progressive as the operations do not consist in creating additions to the plantations but only in filling up the blank patches. Figures for Jalluthu Working Circle shown under Salem, Central in last year's return is being shown this year under Salem, South as the Jalluthu reserved forest has been transferred to Salem, South during 1933-34.

Plans or schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.		Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.	Remarks.
			Creation.	Tending.	Total including tendring and upkeep.	Creation.	Tending.	Total including tendring and upkeep.		
(6) ACS.	(7) ACS.	(8) ACS.	(9) RS.	(10) RS.	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(15) RS.	(16) (17) RS.
CIRCLE—cont.										
283	..	283	..	..	457	9,552	..	58,996	1,040	49,540
142	..	142	..	..	512	4,623	..	6,211	250	8,262
104	..	104	..	..	332	3,157	..	28,173	1,087	39,937
111	..	111	..	..	673	7,319	..	64,194	1,752	42,634
640	..	640	..	..	1,974	24,651	..	1,57,574	4,129	1,40,373
169	25	194	105	..	105	731	..	731	784	2,888
..	..	..	9	..	9	9	..	9	..	..
5	..	5	..	..	..	..	..	..	..	..
108	15	123	129	..	129	129	..	129	..	†
104	8	112	..	1,140	1,140	..	1,140	1,140	..	†
386	48	434	243	1,140	1,383	869	1,140	2,009	784	2,838
15	..	15	..	..	..	44	..	44	..	..
114	..	114	..	..	..	..	..	..	..	..
53	70	123	386	..	386	644	..	644	8,483	12,272
182	70	252	386	..	386	688	..	688	8,488	12,272
24,381	118	24,499	1,299	1,140	2,439	29,651	1,140	30,791	13,401	1,55,533
CIRCLE SOUTH.										
29	..	29	..	..	..	643	826	1,469	..	..
29	..	29	..	73	73	545	1,340	1,885	..	..
126	..	126	..	..	..	3,353	4,303	7,661	..	..
194	..	194	..	..	..	5,055	5,729	10,784	..	..
226	..	226	..	..	..	6,459	4,883	11,342	31	1,240
260	..	260	..	362	362	9,086	8,893	16,879	..	..
251	..	251	..	93	93	15,251	2,398	17,649	..	..
155	..	155	..	219	219	5,405	5,579	10,984	..	..
144	..	144	..	..	..	4,124	14,361	8,485	..	..
151	..	151	..	89	89	4,133	4,483	8,616	..	..
224	..	224	..	300	300	5,848	8,663	14,511	..	..
103	..	103	..	235	235	4,134	3,178	7,312	..	..
92	..	92	..	1,059	1,059	3,406	2,303	5,709	..	..
\$ 49	..	49	1,240	..	1,240	1,760	..	1,760	..	..
..	92	..	1,331	..	1,381	1,381	..	1,381	..	..

* The expenditure represents the cost of opening a nursery.

† This represents only the total area of patches restocked. Revenue realized in 1932-33 is Rs. 713.

‡ These areas are not additions to the existing fuel area but represent only total area of patches restocked. Revenue during the year or past revenue yet shown as the revenue was from reserved forests and not plantations.

§ Incomplete. Work completed in 1933-34.

Progress in afforestation and regeneration under Working

Division.	Working circle or block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3) YES.	(4) ACS.	(5)
COIMBATORE				
Waterfall Plantation.		..	..	....
Experimental plantation at Mount Stuart.		1916	..	....
Experimental Karian Shola.		..	..	....
Experimental top slip.		..	..	....
Planting Eucalyptus round top slip.		..	..	....
Under sowing Artocarpus Huatua.		..	..	....
Formation of Hoopa Nurseries.	Mount Stuart Working Circle.	..	..	....
Gap regeneration area.		1931	..	....
Do.		1932	..	....
Do.		1933	..	....
Nursery to provide plants for.		1934	..	....
Do.		1932	planting.	....
Do.		1933	Do.	....
Do.		1934	Do.	....
Do.		1935	Do.	....
			92	....
Gap regeneration area.		1932	..	....
		1933	..	....
		1934	..	....
		1932	..	....
PUNACHI WORKING				
Regeneration plots in compartments IX and X.		..	..	....
Two-acre plot in compartment II.		..	..	....
Three-acre plot in compartment XV.		..	..	....
1924 regeneration acre in compartments XIV and XVI.		..	..	....
Ten-acre plot in compartment XV.		..	..	....
1925 regeneration acre in compartments XII and XIII.		..	..	....
Periodic block I, regeneration area 26.		..	..	....

* Work completed
† Compensation paid to Contractor in
‡ Reburning end

Plans or Schemes during the year 1933-34—cont.

Area in which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated at the end of the year.	Expenditure during the year.			Expenditure up to the end of the year.			Revenue during the year.	Total revenue up to the end of the year.
			Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6) ACS.	(7) ACS.	(8) ACS.	(9) RS.	(10) RS.	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(15) RS.	(16) RS.
CIRCLE—cont.										
SOUTH—cont.										
12	..	12	..	..	..	..	78	78	..	167
5	..	5	..	..	..	..	..	..	..	..
1	..	1	..	..	..	..	93	93	..	..
10	..	10	..	..	..	31	..	31	..	..
..	..	..	..	..	..	57	..	57	..	..
..	..	..	..	..	..	22	..	22	..	..
..	..	..	..	..	..	45	..	45	..	..
..	..	..	..	..	..	743	13	756	..	..
..	..	..	38	23	23	148	23	171	..	..
..	..	..	121	..	121	62	..	62	..	..
..	..	..	..	..	..	1,153	2	1,155	..	..
..	..	..	761	..	761	611	..	611	..	..
..	..	..	677	..	677	1,042	..	1,042	..	..
2,061	92	2,061	4,218	2,453	6,671	76,200	55,148	1,31,348	31	1,416
Range.										
..	..	..	213	70	283	598	..	598	..	..
..	..	..	95	..	95	414	70	484	..	..
..	..	..	2,510	135	2,645	95	..	95	..	..
..	..	..	2,818	205	3,023	2,510	135	2,645	..	..
CIRCLE.										
5	..	5	..	..	..	86	128	214	..	..
2	..	2	..	..	..	75	126	201	..	..
3	..	3	..	..	..	146	93	244	..	..
25	..	25	15	..	15	539	1,316	1,855	..	..
10	..	10	..	..	..	245	404	649	..	..
25	..	25	..	..	..	31	25	456	..	..
25	..	25	..	27	27	327	182	500	..	..

In 1933-34,
1933-34 for raising the plantation,
dibbling.

Progress in afforestation and regeneration under Working

Division.	Working circle or block.	Period.	Area to be regenerated during the year.	Method of treatment.
(1)	(2)	(3)	(4) ACS.	(5)
PUNACHI WORKING				
Periodic block I, regeneration area 27.		..	..	
Periodic block I, regeneration area 28.		..	..	
Periodic block I, regeneration area 29.		..	..	
Periodic block I, regeneration area 30.		..	..	
Periodic block I, regeneration area 31.		..	..	
Periodic block I, regeneration area 32.		..	..	
Periodic block I, regeneration area 33.		..	..	
Periodic block I, regeneration area 34.		..	24	....
Total ..		..	24	....
COIMBATORE				
Mettupalaiyam range.	Mannar Working Circle	..	..	Dibbling sandal seeds ..
Jaccanerisandal-wood compartment.		..	..	Do. ..
Minchuguly podu regeneration area.		..	..	
Total ..		..	..	
MADURA.				
Vannathiparai Cumbum valley experimental scheme.		5 years (1927-23 to 1932-33).	..	Artificial regeneration of teak, rose-wood, etc.
Total ..		..	..	
TINNEVELLY				
Kuttalam Working Circle regeneration coupes VII and XIII.		..	12	....
Nanguneri Regeneration in Tirukarangudi coupe XIV.		..	4	....
Total ..		..	16	....
Grand Total ..		..	132	....

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during of the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue up to the end of the year.
			Creations.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6) ACS.	(7) ACS.	(8) ACS.	(9) RS.	(10) RS.	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(15) RS.	(16) RS.
CIRCLE—cont.										
25	..	25	..	23	23	22	235	257	..	..
25	..	25	..	16	16	185	177	362	..	..
25	..	25	..	27	27	160	124	284	..	..
25	..	25	..	49	49	200	223	423	..	..
36	..	36	..	42	42	190	234	424	..	..
25	..	25	..	63	63	251	179	430	..	..
27	..	27	229	..	229	373	..	373	..	..
..	24	..	201	..	201	201	..	201	..	..
283	24	283	445	247	692	3,431	3,481	6,912	..	..
NORTH.										
132	..	132	..	..	..	69	75	144	..	..
108	..	108	..	..	..	30	..	30	..	..
10	..	10	498	..	498	* 961	..	961	..	..
250	..	250	498	..	498	1,060	75	1,136	..	..
23	..	23	..	..	..	1,296	515	1,811	..	3,753
23	..	23	..	..	..	1,296	515	1,811	..	3,753
DIVISION.										
13	12	25	82	..	82	187	..	187	..	..
..	4	4	34	..	34	34	..	34	..	..
13	16	29	118	..	116	221	..	221	..	..
2,630	132	2,762	8,097	2,905	11,002	85,825	59,424	1,45,249	31	5,169

* 419 noted in the last year's return should be 463.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the year.	Method of treatment.
(1)	(2)	(3)	(4) ACS.	(5)
OOTACAMUND				
Mangalore—North Mangalore Range—Fuel Working Circle—				
Koddiamale coupe I	1933-34.	27		Tending and regenerating in blanks.
Udipi Range—Plantation Working Circle—				
Someswar reserve forest ..	1920-21 and 1927-28.	659		Sowing of Hopea, wild jack and Dhupa in prepared patches.
Jutkatmale reserve forest ..	1920-21 and 1921-22.	1,139		Do.
Halesomeswar reserve forest.	1922-23, 1924-25 and 1926-27.	1,744		Do.
Sandalwood Working Circle—				
Andar coupe I ..	1933-34.	5		Sowing S.W. in cut and burnt strips.
Andar coupe II ..	1933-34 and 1934-35.	5		Do.
Coondapur Range—Cutch Working Circle—				
Baindur coupes I and II ..	1926-27.	375		Fencing and of sowing acafeiaiac in coupe I.
Baindur coupe II ..	1927-28.	580		Do.
Baindur coupe III ..	1928-29.	550		Do.
Wandse coupe III ..	1928-29.	1,030		Do.
Wandse coupe IV ..	1929-30.	1,470		Do.
Baindur coupe V ..	1931-32.	33		Do.
Baindur coupes V and VI ..	1931-32.	36		Do.
Herur reserve forest ..	1932-33.	5		Do.
Clear Felling Working Circle—				
Megani valley coupe I ..	1932-33 and 1933-34.	20		Clearing, burning and sowing.
Megani valley coupe III ..	1933-34.	20		Do.
Fuel Working Circle—				
Karnigudde coupe I ..	1933-34.	5,020		Tending and regenerating in blanks.
Guruvankotte coupe I ..	1933-34.	46		Do.
Karnigudde coupe I ..	1933-34.	76		Do.
Herur coupe I ..	1933-34.	46-30		Do.
Abbegudde coupe I ..	1933-34.	50-50		Do.
Chittoor coupe I ..	1933-34.	76-40		Do.
Sankaranarayana range—				
Coupe I ..	1933-34.	48		Do.
Sandalwood Working Circle—				
Balkatte coupe I ..	1933-34.	5		Strip regeneration of S.W. ..
Balkatte coupe II ..	1933-34 and 1934-35.	5		Do.
Total ..			8,106-40	

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.
			Creation.	Tending.	Total including tend. ing and upkeep.	Creation.	Tending.	Total including tend. ing and upkeep.		
(6) ACS.	(7) ACS.	(8) ACS.	(9) RS.	(10) RS.	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(15)	(16)
CIRCLE.										
..	27	27	14	..	14	14	..	14	..	..
659	..	659	..	..	..	2,593	2,289	4,882	..	..
1,139	..	1,139	..	242	242	3,122	6,288	9,410	..	..
1,744	..	1,744	..	689	689	7,254	6,270	13,524	..	..
..	5	5	17	..	17	17	..	17	..	..
..	..	..	13	..	13	13	..	13	..	..
120 (coupe I 51 and coupe II 69).	..	120	..	..	..	353	463	821	..	..
75	..	75	..	..	..	396	428	824	..	..
131	..	131	..	..	..	86	103	189	..	..
40 in Mudare-gudda reserved forest and 36 acres in Honnu-koddu reserved forest.	..	..	..	..	..	229	144	373	..	..
34	..	34	..	11	11	307	110	417	..	..
33	..	33	..	73	73	180	115	295	..	..
36	..	36	..	74	74	197	112	318	..	..
5	..	5	..	6	6	37	6	43	..	..
..	5	5	28	..	28	28	..	28	..	..
120	..	20	481	..	481	904	..	904	..	..
..	20	20	239	..	239	239	..	239	..	..
..	50-20	50-20	146	..	146	146	..	146	..	..
..	46	46	92	..	92	92	..	92	..	..
..	76	76	135	..	135	135	..	135	..	..
..	46-30	46-30	85	..	85	85	..	85	..	..
..	50-50	50-50	133	..	133	133	..	133	..	..
..	76-40	76-40	132	..	132	132	..	132	..	..
..	48	48	94	..	94	94	..	94	..	..
..	5	5	24	3	27	24	3	27	..	..
..	..	..	12	..	12	12	..	12	..	..
3,954	455-40	4,409-40	1,645	1,098	2,743	17,033	16,501	33,534	..	..

* Only ground was prepared for sowing in 1934-35.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
ACS.			ACS.	
OOTACAMUND				
Mangalore, South division.	Timber Working Circle—Kasaragod felling series—Partially regenerated group—			
	Aletti West reserved forest (Devakaji compartment III)	1929-30 and 1930-31.	232	Natural regeneration of Hopea over 76 acres and artificial regeneration with Hopea and Artocarpus over 156 acres.
	Aletti East reserved forest (Kur-lakadu), compartment II.	1930-31.	12	Natural regeneration of Hopea.
	Aletti East reserved forest (Chonapadimalai), compartment II.	1931-32.	63	Artificial regeneration of Hopea mainly and Aini over 23 acres and natural regeneration of Hopea over 40 acres.
	Sampaji reserved forest, Karinthodu, compartment I.	1933-34.	51	Artificial regeneration of blanks in deciduous areas, sowing of Hopea and Artocarpus in moist areas, artificial regeneration not exceeding 12 acres and tending natural regeneration.
	Puttur felling series A—Partially regenerated group—			
	Nalkur reserved forest, compartment I.	1925 and 1930.	1,106	Natural regeneration of existing Hopea.
	Nalkur reserved forest, compartment II, coupe I.	1933-34.	191	Natural regeneration of existing growth and artificial regeneration not exceeding 48 acres.
	Jalpur East reserved forest, compartment III, coupe II.	1933-34.	189	Natural regeneration of existing growth.
	Puttur felling series B—Partially regenerated group—			
	Bantumale reserved forest, compartment II, coupe I.	1933-34.	97	Natural regeneration of existing growth.
	Uppinangadi felling series—Partially regenerated group—			
	Mujur reserved forest, compartment I, coupe XIV.	1930-31.	166	Artificial regeneration of Hopea mainly and Artocarpus Hersuta.
	Mujur reserved forest, compartment I, coupe XV.	1931-32.	83	Do.
	Plantation Working Circle—Plantation after clear-felling—Kasaragod range—			
	Parappu reserved forest, compartment 5.	1930-31.	30	Artificial regeneration with teak.
	Parappu reserved forest, compartment 6.	1924 ..	16	Artificial regeneration with teak, etc.
	Parappu reserved forest, compartment 8.	1926-27.	23	Do.
	Parappu reserved forest, compartment 9.	1929 ..	16	Artificial regeneration with Artocarpus and Meliastubia.
	Sampaji reserved forest, compartment I.	1930-31.	22-50	Artificial regeneration with teak.
	Sampaji reserved forest, compartment 4, including the 4 acres experimental plot.	1931-32.	16-25	Do.
	Aletti West reserved forest, old teak kumries.	1931-32.	87	Do.
	Medinad West reserved forest, old kumries.	1931-32.	47	Do.

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue up to the end of the year.
(6)	(7)	(8)	Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.		
CIRCLE—cont.										
232	..	232	..	246	246	912	311	1,223	..	..
12	..	12†	..	19	19	..	35	35	..	..
63	..	63	..	73	73	212	84	296	..	..
39	12	51	34	38	72	34	38 +101 (a)	72 +101 (a)	..	..
1,106	..	1,106	..	698	698	..	9,428	9,428	..	..
191	..	191	..	111	11	..	222	222	..	..
189	..	189	..	36	36	289	4,814	5,103	..	..
..	97	97	..	47	47	..	47	47	..	..
166	..	166	..	176	176	275	248	523	..	..
83	..	83	..	107	107	132	130	262	..	†
30	..	30	..	22	22	900	536	1,436	..	..
16	..	16	..	..	..	99	129	228	..	..
23	..	23	..	40	40	407	315	722	..	..
16	..	16	..	12	12	617	231	848	..	..
22-50	..	22-50	..	196	196	948	445	1,393	..	..
16-25	..	16-25	..	73	73	598	148	746	..	..
87	..	87	..	..	..	..	10	10	..	..
47	..	47	..	..	..	..	10	10	..	..

* Correct area as per survey.

† (1) Mahogany planting over
 (2) Artocarpus over
 (3) Hopea over
 (4) Banapee over
 (5) Avarru over

ACS.

3

2½

4

½

2

Total 12

† Revised area.

(a) Omitted in the previous year's return.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during period.	Method of treatment.
(1)	(2)	(3)	(4) ACS.	(5)
OOTACAMUND				
Plantation Working Circle—Plantations under shelter wood—				
	Parappa reserved forest, compartments 1 and 2.	1922 and 1925.	526	Artificial regeneration with evergreen species.
	Parappa reserved forest, compartments 1 and 2 (extensions 1 and 2).	1922 and 1925.	47	Do.
	Parappa reserved forest, compartment 3.	1922 and 1925.	188	Do.
	Parappa reserved forest, compartment 4.	1922 and 1925.	171	Do.
	Parappa reserved forest, compartment 5.	1922 and 1925.	113	Do.
	Parappa reserved forest, compartment 6.	1922 and 1925.	230	Do.
	Parappa reserved forest, compartment 7.	1922 and 1925.	239	Do.
	Parappa reserved forest, compartment 8.	1922 and 1925.	206	Do.
	Parappa reserved forest, compartment 9.	1922 and 1925.	140	Do.
	Parappa reserved forest, compartment 10.	1922 and 1925.	195	Do.
	Total of compartments 1 to 10.	..	2,055	....
	Mandikole reserved forest, compartment 3.	1931-32.	57	Artificial regeneration of Hopea and Aini.
	Puttur Range—			
	Jalsur east reserved forest, compartments 1 and 2 parts.	1910, 1921 and 1922.	252	Artificial regeneration of Hopea under existing growth.
	Uppinangadi Range—			
	Porkala reserved forest, compartment 1.	1920-21.	217	Artificial regeneration with evergreen species, mainly Hopea.
	Do.	1921-22.	20	Do.
	Do.	1922-23.	475	Do.
	Do.	1924-25.	50	Do.
	Padnur reserved forest, compartment 1.	1920-21.	204	Do.
	Do.	1921-22.	30	Do.
	Do.	1922-23.	409	Do.
	Total of Porkala and Padnur reserved forests.	..	1,405	....
	Mundaje kap reserved forest, compartments 1 and 2.	1926-27.	277	Artificial regeneration with Hopea.
	Do.	1927-28.	132	Do.
	Clearfelling (experimental) Working Circle—			
	Thodikan reserved forest felling series, coupe I.	1933-34.	11-50	Artificial regeneration with teak.
	Thodikan reserved forest, felling series, coupe II.	1934-35.	10	Do.
	Adhur Kamari felling series—			
	Coupe (a) (Balavantadoka)	1932-33.	31	Do.
	Coupe I (b) (Mandabatta)	1932-33.	35-25	Do.
	Coupe II (a) (Balavantadoka)	1933-34.	23	Do.
	Coupe III (b) (Mandabatta)	1933-34.	18	Do.
	Aletti Kamari felling series—			
	Coupe I	1932-33.	36	Do.
	Coupe II	1933-34.	18	Do.

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.
			Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6) ACS.	(7) ACS.	(8) ACS.	(9) RS.	(10) RS.	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(15)	(16)
CIRCLE—cont.										
526	..	526	..	229	229	..	229	229	..	..
47	..	47	..	..	..	..	18	18	..	..
188	..	188	..	..	..	..	117	117	..	..
171	..	171	..	..	..	..	104	104	..	..
113	..	113	..	..	..	..	109	109	..	..
230	..	230	..	72	72	..	72	72	..	..
239	..	239	..	..	..	..	106	106	..	..
206	..	206	..	..	..	..	116	116	..	..
140	..	140	..	82	82	..	146	146	..	..
195	..	195	..	95	95	..	173	173	..	..
2,055	..	2,055	..	478	478	5,456	7,137	12,593	..	..
57	..	57	..	+ 37*	+ 37	182	+ 37	+ 37	..	..
252	..	252	..	63	63	1,541	2,758	4,299	..	..
217	..	217	..	24	24	..	99	99	..	..
20	..	20	..	2	2	..	20	20	..	..
475	..	475	..	233	233	..	233	233	..	..
50	..	50	..	24	24	..	24	24	..	..
204	..	204	..	12	12	..	12	12	..	..
30	..	30	..	3	3	..	15	15	..	..
409	..	409	..	181	181	..	181	181	..	..
1,405	..	1,405	..	479	479	6,520	7,656	14,176	..	..
277	..	277	..	76	76	1,725	1,036	2,761	..	..
132	..	132	..	122	122	624	419	1,043	..	..
..	11-50	11-50	272	..	272	381	..	381	..	..
..	..	..	137	..	137	137	..	137	..	..
31	..	31	..	122	122	264	122	386	..	..
35-25	..	35-25	..	84	84	556	84	640	..	..
..	23	23	158	..	158	158	..	158	..	..
..	18	18	123	..	123	123	..	123	..	..
36	..	36	..	98	98	408	98	506	..	..
..	18	18	141	..	141	141	..	141	..	..

(a) Expenditure from the date of introduction of working plan to the end of the year.

(c) Climber cutting was done free of cost.

(e) Expenditure up to date since the formation of plantations.

(d) Tending by beat guard was done without cost.

(f) Expenditure since the introduction of working plan to the end of the year.

(g) Regeneration to be done in 1934-35.

* Repairs to inspection paths in the above compartments.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
ACS.				
OOTACAMUND				
B. Puthur Range—				
Bantamale felling series, coupe I.	1933-34.	10-50	Artificial regeneration with teak.	
Bantamale felling series, coupe II.	1934-35.	10	Do.	
C. Uppinangady Range—				
Nerankimale felling series, coupe II.	1934-35.	10	Do.	
Fuel Working Circle—Kasargod Range—Mulliar Karadka felling series—				
Mulliar reserved forest, coupe XIX, old.	1932-33	53	Artificial regeneration in blanks and patches and tending natural regeneration.	
Puthur Range—				
Narimagar felling series, coupe I.	1933-34.	21	Do.	
Uppinangady Range—				
Neranki felling series, coupe I.	1933-34.	30	Do.	
Hopea Improvement Working Circle—Kanakamajulu reserved forest, coupe I.	1933-34.	166	Tending of paternal hopea	
Kanakamajulu reserved forest, coupe II.	1934-35.	141	Do.	
Devachella reserved forest—coupe I.	1933-34.	100	Do.	
Devachella reserved forest—coupe II.	1934-35.	12-8	Do.	
Dharmastala Mundaje reserved forest, coupe I.	1933-34.	115	Do.	
Dharmastala Mundaje reserved forest—coupe II.	1934-35.	102	Do.	
		7,695	....	
Wynaad division.				
Experimental working circle in Begur and Chedleth ranges.	1892-03 to 1929-30.	(b) 1,551	Regular planting and Taungya planting.	
Cultural operations in Begur and Chedleth ranges.	No specific prescription in the working plan.	..	Patch regeneration by dibbling seeds.	
Clear-felling working circle in Begur and Chedleth ranges.	1929-30 to 1933-39.	(b) 1,500 §	Concentrated regeneration by stump planting.	
Selection felling working circle felling series I and III, Begur and Chedleth ranges.	1929-30 to 1933-39.	(b) 6,924	Patch regeneration by dibbling and stump planting.	
Selection felling working circle felling series I.	No specific prescription in the working plan.	..	Taungya planting	
Improvement felling working circle in Sultan's Battery range.	Do.	..	Taungya planting and dibbling ..	
Do.	Do.	..	Patch planting and dibbling ..	

* Amount spent for demarcation.

† Work done without cost.

‡ Demarcation only.

(a) Omitted in previous years.

(b) Total area provided in the working plan.

(c) 158 acres not yet planted in Begur range.

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated at the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.
			Creation.	Tending.	Total including tending and up-keep.	Creation.	Tending.	Total including tending and up-keep.		
(0)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
CIRCLE—cont.										
..	10-50	10-50	260	..	260	364	..	364	..	..
..	..	..	134	..	134	134	..	134	..	..
..	..	..	81	..	81	81	..	81	..	..
53	..	53	..	6	6	..	35	35	..	..
..	21	21	..	20	20	..	20	20	..	..
..	30	30	..	30	30	..	30	30	..	..
..	166	166	..	5	5	..	5	5	..	..
..	..	..	..	2	2	..	2	2	..	..
..	100	100	..	41	41	..	48	48	..	..
..	..	..	..	6	6	..	6	6	..	..
..	115	115	..	..	..	..	30	10	..	..
..	..	..	..	5	5	..	5	5	..	..
6,672	622	7,294	1,340	3,568	4,908	24,218	36,725 + 101(a)	60,943 + 101(a)	..	(a)
(e) 1,393	..	1,393	..	570	570	58,386	58,951	1,17,337	1,935	41,244
(d) 227	..	227	..	..	..	1,924	160	2,084	..	..
377	101	478	(e) 3,550	1,357	4,907	24,733	6,318	31,051	..	..
(d) 1,377	431	1,808	(f) 151	107	258	1,333	276	1,609	..	..
36	(g) 4	40	7	51	58	184	468	652	..	..
10	..	10	..	12	12	107	153	260	..	..
2	..	6	3	(h) 19	22	70	149	219	..	..

(d) Patch regeneration done in Begur and Chedleth ranges from 1914-15 to 1921-22 shown in this form as the patches lie in the areas covered by the working plan.

(e) Includes Rs. 551 cost of nursery and Rs. 1,699 cost of rubbish felling, burning, etc., over 111 acres of 1934 regeneration areas in Begur and Chedleth ranges.

(f) Includes Rs. 21 spent during 1933-34 for preparing patches in selection coupe IV (part) in Begur Range.

(g) One tuckle plantation of teak was created at Keduthara during 1933-34.

(h) Expenditure on a satinwood nursery at Muthanga opened in 1933.

§ Planting to be completed only by 1938-39.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
ACS.				
OOTACAMUND				
Ponam Working Circle in Kannoth range.	1876 to 1926.	..	Regular planting and Taungya planting.	
Do.	Cultural operations in Ponam Working Circle conducted before introduction of the working plan.	..	Patch regeneration by dibbling Aiyini at Kannoth in 1927.	
Do.	1933-34 to 1942-43.	424 *	Taungya planting and dibbling ..	
Selection Working Circle in Kannoth range.	1930-31.	..	Patch regeneration by dibbling and planting.	
Do.	1932-33 to 1941-42.	8,508 †	Do.	
Total ..	..	18,907	....	
Nilambur division.	Plantation Working Circle ..	1928-29 to 1937-38.	128,909	Artificial
	Conversion Working Circle ..	1928-29 to 1937-38.	2,209	Do.
	Beypore coconut tops ..	1933-34.	..	....
Total ..	..	131,118	....	
Palghat division.	Pole Working Circle, Block I, compartment III.	1926-27.	181	Stump planting of one year old stumps.
	Pole Working Circle, coupe I, Block II, compartment 8 (part).	1927-28.	112	Do.
	Pole Working Circle, coupe II, Block II.	1928-29.	125	Do.
	Pole Working Circle, coupe III ..	1929-30.	79	Do.
	Do. coupe IV ..	1930-31.	91	Do.
	Do. coupe V ..	1931-32.	108	Do.
	Do. coupe VI ..	1932-33.	102	Do.
	Do. coupe VII ..	1933-34.	113	Do.
	Ponam Working Circle, compartment 17, coupe I.	1926-27.	45	Ponam
	Ponam Working Circle, compartment 16, coupe I.	1927-28.	44	Do.
	Ponam working circle, coupe III ..	1928-29.	25	Do.
	Ponam working circle, coupe IV ..	1929-30.	27	Do.

(A) The decrease of 73 acres from the area noted in column (8) of the return for 1932-33 is due to the adoption of revised areas as per working plan for some of the old plantations at Kannoth.

(B) Includes Rs. 10 on one experimental plantation charged to 8-b F. Other charges—Voted—Miscellaneous. The difference of Rs. 43 from the figure noted in column (12) of last year's return is due to the elimination of the cost of creation of 1898 acres of rubber and teak plantation abandoned in the working plan.

(C) Includes Rs. 16 on one experimental plantation charged to 8-b F. Other charges—Voted—Miscellaneous—Rs. 394 being tending charges on 1898 acres of rubber and teak plantations abandoned as failures as per working plan has been excluded here.

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.
			Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
CIRCLE—cont.										
(A) 554	..	554	..	10	10	(i) 2,143	(j) 10,477	12,620	..	5,832
4	..	4	..	..	..	11	12	23	..	..
..	18	18	(k) 284	..	284	476	..	476	..	..
(l) 2,452	..	2,452	..	..	..	285	89	374	..	..
680	455	1,135	(e) 192	86	278	438	86	524	..	..
7,112	1,009	8,121	4,187	2,212	(m) 6,399	90,090	77,139	1,67,229	1,935	47,076
777	37	814	5,130	..	5,130	31,346	..	31,346	..	..
894	101	995	5,489	..	5,489	54,273	..	54,273	..	..
..	..	..	699	..	699	884	18,864	19,748	..	..
1,871	133	1,809	10,619	699	11,318	86,503	18,864	1,05,367	..	..
181	..	181	..	..	..	2,505	2,005	4,510	1,145	1,145
112	..	112	..	..	..	1,473	551	2,024	..	..
125	..	125	..	31	31	1,064	347	1,411	..	..
79	..	79	..	56	56	983	411	1,394	..	..
91	..	91	..	49	49	1,092	385	1,477	..	..
102	..	108	..	72	72	1,844	352	2,196	..	..
108	..	102	..	181	181	1,326	181	1,507	..	..
..	113	113	635	..	635	1,200	..	1,200	..	..
45	..	45	495	..	495	1,205	..	1,205	..	..
44	..	44	55	..	55	92	..	92	..	..
25	..	25	22	..	22	22	..	22	..	..
27	..	27	..	40	40	26	207	233	..	..
44	..	44	..	..	..	3	642	645	..	..
25	..	25	..	..	..	112	477	589	..	..
27	..	27	..	40	40	169	370	539	..	..

* Planting to be completed only by 1942-43.

(k) Includes Rs. 133 being cost of nursery and Rs. 5-8-0 for laying out Ponam Coupe II.

(l) Only selected gaps were regenerated.

† Planting to be completed only by 1941-42 in selection gaps.

(i) Includes Rs. 111 cost of nursery.

(m) The total expenditure under 8-b F. (1) Regeneration during 1933-34 is Rs. 6,582 an expenditure of Rs. 183 towards supply of seeds to other divisions, repairs to coolie lines, fencing botanical gardens, etc., has been excluded from this statement.

‡ For regeneration in coupe VIII in 1934-35.

§ Cost of nursery planting, coupe VIII.

|| Cost of masonry planting, Coupe IX.

Progress in afforestation and regeneration under Working

Plans or Schemes during the year 1933-34—cont.

Working circle and block.	(2)	(3) Period. YRS.	(4) Area to be regenerated during the period. ACS.	(5) Method of treatment.	(6) Area on which regeneration was completed at the end of the previous year. ACS.	(7) Area regenerated during the year. ACS.	(8) Total area regenerated to the end of the year. ACS.	Expenditure during the year.			Expenditure to the end of the year.			(15) Revenue during the year.	(16) Total revenue to the end of the year.
								(9) Creation. RS.	(10) Tending. RS.	(11) Total including tending and upkeep. RS.	(12) Creation. RS.	(13) Tending. RS.	(14) Total including tending and upkeep. RS.		
OOTACAMUND															
CIRCLE—cont.															
Ponam working circle, compartment 16, coupe V.	1930-31.	28	Ponam	..	28	..	28	..	42	42	172	590	672	..	..
Ponam working circle, compartment 16, coupe VI.	1931-32.	23	Do.	..	23	..	23	..	65	65	78	138	216	..	..
Ponam working circle, compartment 16, coupe VII.	1932-33.	22	Do.	..	22	..	22	..	52	52	85	52	137	..	..
Ponam working circle, compartment 16, coupe VIII.	1933-34.	27	Do.	..	27	..	27	35	..	35	104	..	104	..	..
Mullangadu compartment 27	1927-28.	120	Clearing the area	..	120	..	120	24	..	24	24	..	24	..	..
Singapatty, coupe II	1928-29.	33	Do.	..	33	..	33	13	..	13	13	..	13	..	..
Mullangadu coupe II	1928-29.	31	Do.	..	31	..	31	..	..	..	..	180	180	..	..
Kallar, coupe I	1928-29.	18	Do.	..	18	..	18	..	..	..	..	99	99	..	..
Kallar, coupe II	1928-29 and 1929-30.	31	Do.	..	31	..	31	..	..	..	..	35	35	..	..
Singapatty, coupe III	1928-29 and 1929-30.	13	Do.	..	13	..	13	..	..	..	..	50	50	..	..
Kallar, coupe III	1930-31.	28	Do.	..	28	..	28	..	..	..	..	141	141	..	..
Singapatty, coupe IV	1930-31.	33	Do.	..	33	..	33	..	..	..	..	36	36	..	..
Mullangadu, coupe IV	1930-31.	33	Do.	..	33	..	33	..	..	..	..	..	..	..	..
Singapatty, coupe V	1930-31 and 1931-32.	35	Do.	..	35	..	35	..	..	..	..	56	56	..	..
Mullangadu, coupe V	1930-31 and 1931-32.	31	Do.	..	31	..	31	..	..	..	..	66	66	..	..
Kallar, coupe IV	1930-31 and 1931-32.	33	Do.	..	33	..	33	..	..	..	..	50	50	..	..
Sholakaral, coupe V	1930-31.	58	Do.	..	58	..	58	..	..	..	..	50	50	..	..
Singapatty, coupe VI	1931-32 and 1932-33.	23	Do.	..	23	..	23	..	..	..	..	42	42	..	..
Mullangadu, coupe VI	1931-32 and 1932-33.	26	Do.	..	26	..	26	..	..	..	..	59	59	..	..
Kallar, coupe V	1931-32 and 1932-33.	33	Do.	..	33	..	33	..	..	..	..	14	14	..	..
Singapatty, coupe VII	1932-33.	16	Do.	..	16	..	16	..	..	..	..	23	23	..	..
Mullangadu, coupe VII	1932-33.	22	Do.	..	22	..	22	..	..	..	..	19	19	..	..
Kallar, coupe VI	1932-33.	35	Do.	..	35	..	35	..	..	..	..	17	17	..	..
Mangaral, coupe I	1931-32.	108	Do.	..	108	..	108	..	..	..	..	11	11	..	..
Anaikatty, coupe I	1931-32.	83	Do.	..	83	..	83	..	..	..	..	11	11	..	..
Ichikuli, coupe I	1931-32.	41	Do.	..	41	..	41	..	..	..	..	18	18	..	..
Mangaral, coupe II	1932-33.	104	Do.	..	104	..	104	..	..	..	..	39	39	..	..
Araikatty, coupe II	1932-33.	83	Do.	..	83	..	83	..	..	..	..	41	41	..	..
Mangaral, coupe III	1933-34.	114	Do.	..	114	..	114	..	..	..	..	21	21	..	..
Anaikatty, coupe III	1933-34.	87	Do.	..	87	..	87	..	..	..	..	45	45	..	..
Kallar, coupe VII	1933-34.	35	Do.	..	35	..	35	..	..	..	..	41	41	..	..
Ichikuli, coupe II	1933-34.	34	Do.	..	34	..	34	..	..	..	..	54	54	..	..
Mullangadu, coupe VII	1933-34.	27	Do.	..	27	..	27	..	..	..	..	43	43	..	..
Mullangadu, coupe III	1933-34.	42	Do.	..	42	..	42	..	..	..	..	9	9	..	..
Singapatty, coupe VIII	1933-34.	34	Do.	..	34	..	34	..	..	..	..	17	17	..	..
Propagation of sandal in Thodagam.	1931-32, 1932-33 and 1933-34.	..	Do.	..	..	..	..	..	..	..	..	7	7	..	..
Sowing tamarind and neem seeds in Thadagam.	1931-32, 1932-33 and 1933-34.	..	..	..	..	..	..	..	..	..	..	21	21	..	..
Experimental planting in a selected locality in Singapatty, coupe VIII.	1932-33.	..	..	..	..	..	..	..	..	..	..	14	14	..	..
Experimental planting in a selected locality in Singapatty, coupe VII.	1932-33.	..	..	..	..	..	..	..	..	..	..	47	47	..	..
Introduction of fuel species in Ourampandy, coupe I.	1933-34.	10	..	..	..	..	..	..	..	..	..	33	33	..	..
Mangaral, coupe IV	1933-34.	10	..	..	..	..	..	..	..	..	..	1	1	..	..
Teak conversion working circle—Paliampatti tope	1910-20.	20	Taungya plantation.	..	20	..	20	..	..	..	..	1	1	..	..
Korma plantation	1910-20.	5	Do.	..	5	..	5	..	..	..	..	20	20	..	..
Dhoni reserve	1910-20.	10	Cultural operation	..	10	..	10	..	..	..	..	30	30	..	..
Elivai (teak plantation) (old)	1910-20.	10	Do.	..	10	..	10	..	..	..	..	30	30	..	..
Tending working circle—Chenat Nair old plantations	1920-21.	263	Do.	..	263	..	263	..	..	..	..	30	30	..	..
Elivai hopea regeneration	1933-34.	242	Do.	..	242	..	242	..	..	..	..	329	329	..	..
Shola and semi-shola forests	1933-34.	105	Do.	..	105	..	105	..	..	..	..	129	129	..	..
Formation of teak nursery for replacing failures in coupe IX and planting coupe X.	..	..	..	..	..	..	..	..	..	..	..	147	147	..	..

† Teak nursery for planting coupe IX.

‡ Represents cost of experimental regeneration in the coupe.

Progress in afforestation and regeneration in Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
YRS.	ACS.			
OOTACAMUND				
Palghat division—	Teak conversion working circle—			
	Dhone, 4-acre plot	1928-29.	4	Cultural operation
	Dhone, coupe I	1929-30.	26	Do.
	Dhone, coupe II	1930-31.	23	Do.
	Dhone, coupe III	1931-32.	20	Do.
	Dhone, coupe IV	1932-33.	23	Do.
	Dhone, coupe V	1933-34.	32	Do.
	Elival, coupe I	1928-29.	21	Do.
	Do. II	1929-30.	33	Do.
	Do. III	1930-31.	35	Do.
	Do. IV	1931-32.	55	Do.
	Do. V	1932-33.	14	Do.
	Do. VI	1933-34.	14	Do.
	Sappal, coupe I	1928-29.	5	Do.
	Do. II	1929-30.	13	Do.
	Do. III	1933-34.	35	Do.
	Selection Working Circle—			
	Kalladikotte Valley	1931-32.	..	Do.
		1932-33.	..	Do.
		and	..	Do.
	Thamburattipattai, coupe I	1933-34.	..	Do.
		1932-33.	..	Do.
		and	..	Do.
	Silent Valley, coupe I	1933-34.	..	Do.
		1928-29.	..	Do.
		and	..	Do.
	Do. II	1929-30.	..	Do.
	Do. III	1930-31.	..	Do.
	Do. IV	1931-32.	..	Do.
	Do. V	1932-33.	..	Do.
	Do. VI	1933-34.	..	Do.
	Evergreen nursery in Dhone	1928-29	..	Do.
	Nursery for Andaman Padauk	1928-29	..	Do.
	Evergreen nursery in Silent Valley	1928-29	..	Do.
	Supply of seeds	1928-29	..	Do.
Total ..			3,824	

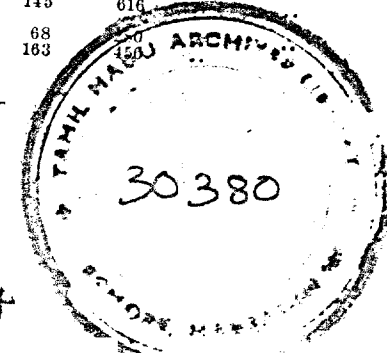
The Nilgiris ..	Mudumalai clear-felling working circle.	1927-37	300	Artificial regeneration of teak.
	Mudumalai clear-felling working circle Special works.	1927-27	105	Artificial introduction of special works.
	Sandal area, Segur range ..	..	..	Sandal dibbling
	Sandal area, Coonoor range ..	..	..	Do.
	Korakarai slopes reserved forest.	1932-33	..	Do.

- (a) Planting Andaman Padauk seeds.
 (b) Cutting rubber trees.
 (c) Uprooting lantana and climbers.
 (d) For carrying out experiments as per working plan.
 * Timber cutting.
 * Teak nursery for stump planting, coupe VI.
 * Teak nursery for stump planting, coupe VI in 1935-36.
 * Cost of cutting back bamboo regrowth.
 * Cost of teak nursery for stump planting in 1934-35.

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.	Remarks.
(6)	(7)	(8)	Creation.	Tending.	Total including tend-ing and upkeep.	Creation.	Tending.	Total including tend-ing and upkeep.	(15)	(16)	(17)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
CIRCLE—cont.											
4	..	4	..	2	2	50	22	72	..	..	..
26	..	26	4 { (a) 27 } (b)	4	629	314	943	..	..	..	..
23	..	23	..	18	18	944	126	1,070	..	..	..
20	..	20	..	14	14	723	86	809	..	..	..
23	..	23	..	126	150	545	150	695	..	..	..
..	..	..	17 (c) 7 (d)	..	..	..	..	..	..	..	..
..	32	32	212	..	239	308	18	326	..	..	..
21	..	21	82	..	82	123	..	123	..	..	..
33	..	33	26	..	26	26	..	26	..	..	..
35	..	35	..	10	10	343	158	501	..	..	..
55	..	55	..	25	25	677	203	880	..	..	..
..	..	..	..	34	34	1,537	221	1,758	..	..	..
14	..	14	..	117	117	1,659	394	2,053	..	..	..
..	..	..	..	63	93	336	94	430	..	..	..
..	14	14	110	..	110	215	..	215	..	..	..
5	..	5	23	..	23	35	..	35	..	..	..
13	..	13	11	..	11	11	..	11	..	..	..
..	35	35	..	..	..	..	..	..	..	..	..
..	..	..	..	34	34	..	..	..	..	..	..
..	..	..	44	..	44	44	34	44	..	..	..
..	..	..	538	60	598	848	89	937	..	..	..
..	..	..	4	..	4	5	..	5	..	..	..
..	..	..	..	10	10	376	66	442	..	..	..
..	..	..	..	13	13	269	73	347	..	..	..
..	..	..	..	21	21	385	71	456	..	..	..
..	..	..	..	87	87	252	87	339	..	..	..
..	..	..	330	..	330	356	..	356	..	..	..
..	..	..	8	..	8	17	..	17	..	..	..
..	..	..	120	..	120	46	..	46	..	..	..
..	..	..	30	..	30	120	..	120	..	..	..
..	..	..	56	..	56	52	..	52	..	..	..
..	..	..	25	..	25	56	..	56	..	..	..
..	..	..	8	..	8	25	..	25	..	..	..
..	..	..	..	..	..	22	..	22	..	..	..
..	..	..	..	..	..	30	..	30	..	..	..
..	..	..	..	..	..	18	..	18	..	..	..
..	..	..	..	..	..	82	..	82	..	..	..
..	..	..	..	..	..	20	..	20	..	..	..
2,627	944	3,571	2,960	1,935	4,895	23,123	16,637	44,760	..	..	..
138	14	152	556	511	1,067	7,577	1,460	9,037	368	3,935	..
26	42	68	158	11	169	471	145	616	..	..	..
80	4	84	11	..	11	212	68	280	..	..	..
81	17	98	30	95	125	293	163	456	..	..	..

- * Cost of teak nursery for stump planting in 1935-36.
 * Cost of masua, Alyini Hopca nurseries.
 * Alyini nursery for coupe VI.
 * Teak nursery for planting Panakkadam in 1934-35.
 * Teak nursery for planting Chintadki.
 * Alyini nursery at Thidakhunnu.
 * Teak nursery for planting Panakkadan coupe II.
 * Teak nursery for planting Chintadki coupe II.



JB 2117 N34

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
YES.	ACS.		ACS.	
OOTACAMUND				
Nilgiris plantations—				
Aramby, Block V, compartment 17 B.	..	..	..	..
Balkie, Block IV, compartment 1.	..	..	..	..
Snowdon, Block III, compartment 2 (b).	..	..	..	..
Snowdon, Block III, compartment 3.	..	..	..	Artificial regeneration by planting <i>Eucalyptus Eugenioides</i> .
Brooklands, compartment 3	..	..	..	Do.
Springfield, compartment 2	..	..	..	Do.
Do. 3	..	..	..	Do.
Do. 4	..	..	..	Do.
Do. 5	..	..	..	Do.
Coonoor Peak, Block II, compartment 2 (a).	..	..	..	Artificial regeneration by planting <i>Eucalyptus globulus</i> .
Governorshola, Block IV, compartment 4.	..	..	..	Artificial regeneration by planting <i>Eucalyptus globulus</i> .
Governorshola, Block VI, compartment 1.	..	..	..	Do.
Cairnhill, Block 1, compartment (a) B-1.	..	..	..	Do.
Marlimumund, Block III, compartment 1.	..	..	..	Do.
Aramby, Block VII, compartment 3 (a).	..	..	..	Do.
Brooklands, compartment 4	..	..	..	Do.
Coonoor Peak, Block II, compartment 2 (b).	..	..	..	Do.
Tiger hill reserved forest	..	..	..	Do.
Bleak house, compartment 1.	..	..	..	Artificial regeneration with <i>Eucalyptus pillularis</i> .
Aramby, Block VII, compartment 3 (b).	..	..	..	Artificial regeneration with <i>Eucalyptus globulus</i> .
Cairnhill, Block 1, compartment (a) (b) 2.	..	..	..	Do.
Brooklands, compartment 5	..	..	..	Artificial regeneration with <i>Eucalyptus Pillularis</i> .
Aramby, Block VII, compartment 3 (c).	..	..	..	Artificial regeneration with <i>Eucalyptus globulus</i> .
Cairnhill, Block 1, compartment 4 (a) (i).	..	..	..	Do.
Coonoor Peak, Block II, compartment 2 (c).	..	..	..	Do.
Brooklands, compartment 6.	..	..	..	Artificial regeneration with <i>Eucalyptus pillularis</i> .
Bleak house, compartment 2.	..	..	..	Do.
Aramby, Block VII, compartment 4 (a).	..	..	..	Artificial regeneration with <i>Eucalyptus globulus</i> .
Cairnhill, Block 1, compartment 4 (a) II.	..	..	..	Do.
Governorshola, Block V, compartment 3.	..	..	..	Do.
Brooklands, compartment 7	..	..	..	Do.
Coonoor Peak, compartment 21	..	..	..	Do.
Coonoor Peak, compartment 33.	..	..	..	Do.
Bleak house, compartment 3.	..	..	..	Artificial regeneration with <i>Eucalyptus pillularis</i> .
Rallia, compartments 13 and 14	..	..	..	Artificial regeneration with <i>Eucalyptus globulus</i> .
Aramby, Block VII, compartment 4 (b).	..	..	..	Do.
Cairnhill, Block 1, compartment 4 (a) III.	..	..	..	Do.
Bandlyshola, compartment 10	..	..	..	Do.
Aramby, Block II, compartment 2.	..	..	..	Do.
Bleak house, compartment 4	..	..	..	Artificial regeneration with <i>Eucalyptus punctata</i> .
Brooklands, compartment 8	..	..	..	Do.
Governorshola, Block IV, compartment 2 (a).	..	..	..	Artificial regeneration with <i>Eucalyptus globulus</i> .

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.
(6)	(7)	(8)	Creation.	Tending.	Total including tending and upkeep.	(12)	(13)	Total including tending and upkeep.	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
CIRCLE—cont.										
4	..	4	..	20	20	95	32	127	..	..
1	..	1	..	..	..	27	..	27	..	..
4	..	4	..	..	..	4	..	4	..	..
1	..	1	..	..	..	10	..	10	..	..
5	..	5	..	..	..	211	33	244	..	..
5	..	5	..	..	..	145	28	173	..	..
5	..	5	..	..	..	141	45	186	..	..
6	..	6	..	..	..	120	37	157	..	..
3	..	3	..	..	..	125	38	163	..	..
6	..	6	..	..	..	36	..	36	..	..
10	..	10	..	..	..	52	..	52	..	..
3	..	3	..	..	..	178	32	210	..	..
4	..	4	..	..	..	45	2	47	..	..
4	..	4	..	..	..	42	6	48	..	..
3	..	3	..	..	..	46	4	50	..	..
5	..	5	..	..	..	195	329	524	..	..
3	..	3	..	..	..	38	..	38	..	..
12	..	12	..	4	4	167	50	217	..	..
8	..	8	5	16	21	175	60	235	..	..
3	..	3	..	..	..	33	1	34	..	..
3	..	3	..	..	..	41	1	42	..	..
6	..	6	..	..	..	304	109	413	..	..
4	..	4	..	..	..	62	..	62	..	..
3	..	3	..	..	..	40	..	40	..	..
3	..	3	..	..	..	33	26	59	..	..
5	..	5	..	..	..	57	22	79	..	..
6	..	6	3	14	17	93	15	108	..	..
2	..	2	..	..	..	47	..	47	..	..
3	..	3	..	..	..	36	..	36	..	..
6	..	6	..	6	6	92	6	98	..	..
3	..	3	..	..	..	40	..	40	..	..
1	..	1	..	..	..	11	..	11	..	..
2	..	2	..	..	..	10	..	10	..	..
6	..	6	2	14	16	125	14	139	..	..
16	..	16	..	..	..	235	..	235	..	..
..	2	2	28	..	28	28	..	28	..	..
..	3	3	29	..	29	29	..	29	..	..
..	4	4	13	9	22	13	9	22	..	..
..	3	3	4	..	4	4	..	4	..	..
..	4	4	44	3	47	44	3	47	..	..
..	5	5	58	..	58	58	..	58	..	..
..	6	6	32	..	32	32	..	32	..	..

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the year.	Method of treatment.
(1)	(2)	(3)	(4) ACS.	(5)
OOTACAMUND				
Ballia, coupe 1	..	..	..	Artificial regeneration with
Coonoor Peak, compartment 20.	..	..	..	<i>pitularis</i> , regeneration with
Do. 25.	..	..	..	Artificial regeneration with
Do. 26.	..	..	..	<i>globulus</i> , Do.
Ballia, compartment 2 .. .	..	..	..	Do.
Total .. .	..	..	405	....
Grand total .. .	..	..	169,855	....
Total, Presidency. .. .	..	..	176,208	....

Plans or Schemes during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to the end of the year.
			Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
CIRCLE—cont.										
..	..	..	1	..	1	1	..	1	..	..
..	3	3	7	..	7	7	..	7	..	..
..	4	4	4	..	4	4	..	4	..	..
..	3	3	4	..	4	4	..	4	..	..
..	16	16	127	..	127	127	..	127	..	..
491	130	621	1,116	703	1,819	12,015	2,738	14,753	..	..
22,527	3,293	25,825	21,867	10,215	32,082	2,57,982	1,63,705	4,26,687	..	..
51,240	3,974	55,214	34,960	18,254	53,214	3,99,532	43,833	6,43,395	15,573	1,53,833

ANNUAL FORM
Plantations not under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
			ACS.	
				WALTAIR
				REGULAR PLANT
				TAUNGYA OPE
Parlakimedi Ma- lihs.	Thithili reserved forest, Thumba reserved forest, Thalamanda reserved forest, Champapur reserved forest and Ollaida reserved forest.	..	..	Sal Taungya
Godavari, Upper.	Peddamidisileru reserved forest, Tunikicheruvu reserved forest, Bhadrachalam reserved forest, Repaka reserved forest, Rekapali hill reserved forest and Kansalur reserved forest.	..	..	Teak Taungya
				CULTURAL OPE
				Sandalwood ope
Parlakimedi Ma- lihs.	All reserved forests in the division.	(b)	..	Sowing of sandal seed in suitable patches in different reserved forests for propagation centres.
Vizagapatam ..	Reserves of Palakonda, Gudem and Narasapatam ranges.	1930-31 to 1941-42.	..	Direct sowing of sandal seed
Godavari, Upper.	Nugur, Peddamidisileru, Arlagudem, Dummagudem, Gogubaka, Pegha, Rekapalli hill and Kansalur reserved forests.	..	..	Dibbling of sandal seeds
Nellore ..	Kambakkam hill and Udayagiri Durgam reserved forests.	..	..	Sowing of sandal seeds
Parlakimedi Ma- lihs.	Narayanapur, Lavanvakota, Ambal-doddi, Biduva, Chandragiri, Ruliha, Jollongi reserved forests and range office compound at Guttahalli.	..	..	Sowing of teak seeds
Vizagapatam ..	Teak conversion working circle, Chinnagora reserved forest (experimental plot).	(a)	(a)	Clear felling and sowing teak ..
	Teak conversion working circle, Wangasari reserved forest (experimental plot).	(a)	(a)	Clear felling and raising teak with dibbling and stump planting.
	Teak conversion working circle, Sanivaram reserved forest (experimental plot).	(a)	(a)	Do. do.
Godavari, Upper.	Peddamidisileru, Tunikicheruvu, Dummagudem, Ramachandram, Seetharampuram, Rekapalli, Walsugri and Lakkavaram reserved forests.	..	..	Regeneration with teak partly natural and partly artificial (by stump planting).
Godavari, Lower.	Bedadavole and Koppalli-Kavada teak series, Rajavomangi, Ammayagoppu valley, Tirumalayapalem and Kunkudumanulanka reserved forests.	..	..	Regeneration of teak partly natural and partly artificial.
Vizagapatam ..	Tangedu experimental plot in Arlova reserved forest.	1928-29 to 1933-34.	30	Clear felling and sowing
				Experi
				RESEARCH
				Total ..

Note for Waltair Circle—

Note for Waltair Circle—

(a) As the idea is to try and find out if we shall succeed with teak neither area nor period was fixed.
(b) Sandal seeds were dibbled in small suitable patches scattered over in all ranges.

No. 34-B.

Plans during 1933-34.

Area in which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to end of the year.
			Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
CIRCLE.										
ATIONS—Nil.										
RATIONS.										
..	22	22	31	..	31	31		31		..
103	..	103	..	5	5	426	769	1,195	..	3,974
RATIONS.										
rations.										
119	7	126	40	172	212	356	392	748	..	..
28.4	8.5	36.9	76	..	76	113	..	113	..	..
(c) 27.8	0.3	28.1	1	..	1	20	124	144	..	..
23.25	5.25	28.5	25	..	25	187		187	..	..
tions.										
(c) 112	6	118	..	5	5	297	1,341	1,638	..	..
2.25	5	7.25	74	16	90	144	26	170	..	..
(c) 16	5	21	13	57	70	465	458	923	..	..
...	5	5	90	1	3	90	1	3	..	..
(c) 2,468	181	2,649	1,803	1,940	3,743	55,647	9,580	65,227	22,109	3,90,908
216	27	243	380	90	470	2,970	713	3,683	..	..
ments.										
22	5	27	47	18	65	252	59	311	..	..
PLOTS—Nil.										
3,137.7	277.05	3,424.75	2,582	2,304	4,886	61,000	13,462	74,462	22,109	3,94,882

Plantations not under Working

Division	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
ACS.				
SALEM				
Vellore, East	Ambur tope	1913	..	This is really a tope and no work has been done for some years. Clear felling and artificial stocking with timber species but the prescription has been held in abeyance for some years.
	Amerdi plantation	1922-23	..	
Salem, Central	Kurumbapatti plantation	1920-21	..	Total .. Sowing teak Lac cultivation Planting silver oak and cyprus and sowing of seeds of Australian wattle. Planting <i>Acacia decurrens</i> and blue gum seeds.
	Chitteris	1929-30	..	
	Shevaroy's Central working circle	4 years.	321	
	Sanniyasimalai working circle	4 acres in 1 year.	..	
Salem, South	Tope attached to District Forest Officer's quarters	1904	..	Total ..
				Grand total ..
COIMBATORE				
Madura	Gundanshola blue gum plantation	1906	..	Planting <i>Acacia decurrens</i>
	Pambar pine plantation	1906	..	
	Gundar valley	..	..	
	Velancombai teak plantation	..	..	Planting mahogany Dibbling palmyra nuts and <i>Dodonaea viscosa</i> seeds.
	Vannathiparai teak plantation	1870	..	
	Sethuvaikal new teak plantation	1920-21	..	
Tinnevely	Alagar hills	..	..	Dibbling teak stump Planting teak Do. Do. Do. Dibbling teak, vengai, rosewood, etc. Plantation by irrigation
	Kudiramoliteri reserved forest	..	..	
	Kariar teak plantation	1922-24	..	
	Kariar teak (Richmond plantation)	1906	..	Total ..
	Kodamady teak plantation	1917	..	
	Kariar Kani area	1912	..	
	Haynes plantation (teak)	..	..	OOTACAMUND
	Mundanthurai plantations	1928	..	
	Kariar teak plantations	1932	..	
	Shervaiyar teak plantation	1932	..	NORTH MANGA
	Kariar teak plantation	1933	..	
	Shervaiyar teak plantation	1933	..	
Coimbatore, North	Minchiguly plantation	1918	..	Sowing of <i>Hopea</i> in prepared patches. Funnel sowings of teak, thirwa and Beeti. Do. Do. Do. Sowing of <i>Hopea</i> 9' x 9' Sowing of <i>Hopea</i> Do.
	Irrigated teak plantation	..	..	
				Total ..
OOTACAMUND				
NORTH MANGA				
Mangalore Range	Kodiamale	1921-22	52	Sowing of <i>Hopea</i> in prepared patches. Funnel sowings of teak, thirwa and Beeti. Do. Do. Do. Sowing of <i>Hopea</i> 9' x 9' Sowing of <i>Hopea</i> Do.
Udupi Range	Someshwar, coupe IV	1929-30	2	
	Do. coupe V	1929-30 and 1930-31	4	
	Do. coupe VI (a)	1931-32	4	Do. Do. Do. Sowing of <i>Hopea</i> 9' x 9' Sowing of <i>Hopea</i> Do.
	Do. coupe VI (b)	1931-32	2	
	Do. reserved forest	1930-31	1	
	Do. do.	1933-34	71	Total ..
	Do. coupe III	1930-31	65	
	Do. do.	1931-32	91	

Note under Salem Central—
Ayyanthirumaligai plantation has been deleted as this is now under Public Works Department control.

Plans during the year 1933-34—cont.

Area on which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area to be regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to end of the year.
			Creation.	Tending.	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
CIRCLE.										
6	..	6	..	..	..	..	45	45	..	1,736
92-25	..	92-25	..	..	..	3,102	2,230	5,332	..	10,846
98-25	..	98-25	..	..	..	3,102	2,275	5,377	..	12,582
1-75	1-00	2-75	30	..	30	232	40	272*	189	189
143-00	..	143-00	..	..	..	200	9,096	9,096	8	8
4-00	..	4-00	..	..	..	108	..	108	..	..
148-75	1-00	149-75	30	..	30	540	9,136	9,676	197	197
9-5	..	9-5	..	..	..	467	1,760	2,227	..	280
256-50	1-00	257-50	30	..	30	4,109	13,171	17,280	197	13,059
CIRCLE.										
245	..	245	..	..	..	18,985	..	18,985	..	5,655
842	..	842	..	..	..	33,486	5,999	39,485	134	1,460
148	..	148	..	..	..	3,106	131	3,237	..	..
15	..	15	..	8	8	1,124	150	1,274	56	2,371
4	..	4	..	..	..	1,405	..	1,405	..	2,125
53	..	53	..	..	..	3,770	759	4,529	..	..
3	..	3	..	..	..	64	..	64	..	..
6,644	440	7,084	312	..	312	13,989	1,899	15,888	2,475	59,523
65	..	65	..	55	55	1,642	906	2,548	991	1,098
1	..	1	..	2	2	5	2	7	..	94
111	..	111	..	146	146	4,236	1,466	57,072	725	943
23	..	23	..	5	5	47	315	362	..	178
23	..	23	..	..	..	26	37	63	..	..
10	..	10	..	6	6	182	41	223	..	..
11	..	11	..	27	27	309	27	336	..	..
10	..	10	..	19	19	233	19	252	..	..
..	10	10	..	..	..	..	..	..	..	..
..	8	8	..	57	57	..	..	..	..	..
5	..	5	..	..	..	57	..	57	..	..
3	5	8	109	..	109	123	618	741	..	..
2	..	2	..	..	..	182	2	184	..	..
536	463	8,699	478	268	746	82,971	12,371	95,342	4,381	73,447
CIRCLE.										
LORE DIVISION.										
52	..	52	..	..	..	146	14	160	..	..
2	..	2	..	..	..	155	63	218	..	..
4	..	4	..	6	6	182	19	201	..	..
4	..	4	..	9	9	63	37	100	..	..
2	..	2	..	17	17	69	18	87	..	..
1	..	1	..	..	..	12	..	12	..	..
..	71	71	349	..	349	349	..	349	..	..
65	..	65	..	38	38	416	219	635	..	..
91	..	91	..	107	107	585	260	845	..	..

* This excludes Rs. 40 realized in 1934-35 for a teak tree supplied to the Public Works Department in 1933-34.
† Excludes operations carried free of cost during the year.
‡ Thinning 61 teak poles.

Plantations not under Working

Division	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
			ACS.	
OOTACAMUND				
NORTH MANGA				
Coondapoor Range.	Madibare reserved forest	1927-28	11	Sowing of <i>Aydia xylocarpa</i>
	Hallumudibare reserved forest	1933-34 and 1934-35	20	Kumri teak plantation
Shankarnaraina Range.	Doddinamane, coupe V	1933-34 and 1934-35	6	Funnel regeneration of teak, Bit and Mahogany.
		Total ..	329	
SOUTH MANGA				
Uppinangadi Range.	Nerankimale reserved forest felled coupes.	1930-31	89	Sowing of deciduous species ..
	Kidu reserved forest	1922	19	Natural regeneration
	Nerankimale reserved forest, coupe XVIII.	1930-31	6	Artificial regeneration of <i>Hopea</i> and teak.
Kasaragod Range.	Kinnalore reserved forest	1932-33	2	Old teak Kumri
		Total ..	116	
PALGHAT				
	Vellapathy	1919-20	39	Cultural operations
	Muthukulam bungalow compound	1921-22	4	Do.
		Total ..	43	
THE NILGIRIS				
Ootacamund Range.	Fife's covert	1932	0-75	Planting Hakea
	Jacko's Nullah	1932	1-50	Do.
	Kundah regeneration areas	1932	Only scattered plots and belts.	Planting Hakea, Cypress and Frenelia.
	Naduhatti reserved forest		0-25	Dibbling Frenelia seeds
		Total ..	2-50 or 3	
	Grand total ..	491		
	Total, Presidency ..	843		

Plans during the year 1933-34—cont.

Area in which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated to the end of the year.	Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.	Total revenue to end of the year.
			Creation.	Tending	Total including tending and upkeep.	Creation.	Tending.	Total including tending and upkeep.		
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
CIRCLE—cont.										
LORE DIVISION—cont.										
11	..	11	..	..	..	121	25	146	..	..
..	..	..	19	..	19	19	..	19	..	..
..	6	6	36	..	36	36	..	36	..	..
232	77	309	404	177	581	2,153	655	2,808	..	..
LORE DIVISION.										
89	..	89	..	..	..	357	573	930	..	..
19	..	19	..	..	..	82	170	170	..	..
6	..	6	..	..	..	..	23	105	..	..
2	..	2	..	4	4	..	11	11	..	..
116	..	116	..	4	4	439	777	1,216	..	..
DIVISION.										
39	..	39	..	..	..	573	59	632	..	..
4	..	4	..	..	..	110	..	110	..	..
43	..	43	..	..	..	683	59	742	..	..
DIVISION.										
..	0-75	0-75	..	4	4	20	91	111	..	..
..	1-50	1-50	..	17	17	20	17	37	..	..
4	6	10	49	6	55	112	6	118	..	†
..	0-25	0-25	8	..	8	8	..	8	..	†
4	8-50 or 9	12-50 or 13	57	27	84	160	114	274	..	..
395	86	481	461	208	669	3,435	1,605	5,040	..	..
12,024	827	12,851	3,551	2,780	6,331	1,51,515	40,609	1,92,124	26,687	4,81,388

* All other plantations shown in the statement last year have been brought to Form 34-A as they have since been brought under Working Plan.

† Includes Avalanche, Bangi Tappal Road, etc., shown separately last year.

‡ Sowing on reserve boundary to a length of 10 miles at a distance of half a chain per patch of 2 feet square.

ANNUAL FORM No. 35.

Forest Department, Madras Presidency.

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation.

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government	Purchasers.	Free	Right	Total.	Government	Purchasers.	Free	Right	Total.	Government	Purchasers.	Free	Right	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
WALTAE CIRCLE.															
I.—Reserved Forests.															
Ganjam ..	64	36	33	1	134	10	176	3	5	194	..	..	..	..	..
Vizagapatam ..	51	12	..	..	63	32	13	..	..	45	..	..	..	..	..
Godavari, Upper ..	7	56	..	..	63	1	8	..	..	9	..	..	..	..	..
Do. Lower ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guntur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	127	105	33	1	266	43	197	3	5	248	..	..	..	..	..
II.—Reserved Lands.															
Parlakimedi ..	3	8	4	2	17	..	30	..	..	..	..	..	..	..	..
Vizagapatam ..	5	..	..	..	5	..	..	..	..	..	..	..	..	..	..
Total ..	8	8	4	2	22	..	30	..	..	30	..	..	..	..	..
III.—Unreserved Lands.															
Ganjam ..	3	41	6	..	50	1	8	..	..	1	..	..	..	..	..
Vizagapatam ..	..	10	..	..	10	6	15	..	..	21	..	..	..	..	..
Godavari, Upper ..	6	111	24	..	138	..	1	..	..	..	..	..	..	..	..
Do. Lower ..	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guntur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	12	177	30	..	219	7	24	..	..	31	..	..	..	..	..
Grand total ..	147	290	67	3	507	50	251	3	5	309	..	..	..	..	..

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—cont.

Division.	Miscellaneous.					Total timber.					Fuel.				
	Government	Purchasers.	Free	Right	Total.	Government	Purchasers.	Free	Right	Total.	Government	Purchasers.	Free	Right	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
WALTAE CIRCLE—cont.															
I.—Reserved Forests—cont.															
Ganjam ..	1	19	..	..	20	74	212	36	6	328	27	647	..	..	674
Vizagapatam ..	..	..	..	..	..	83	20	..	..	108	101	204	..	..	206
Godavari, Upper ..	..	..	..	..	..	8	64	..	..	72	1,435	109	..	..	1,545
Do. Lower ..	..	6	..	..	6	..	6	..	..	12	583	..	..	..	595
Guntur ..	..	..	..	..	..	..	..	..	..	150	433	..	..	..	401
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	388
Total ..	1	25	..	..	26	171	327	36	6	540	292	3,307	109	..	3,708
II.—Reserved Lands—cont.															
Parlakimedi ..	..	..	..	..	..	3	38	4	2	47	16	137	..	..	153
Vizagapatam ..	..	..	..	..	..	5	..	..	..	5	..	..	..	..	5
Total ..	..	..	..	..	..	8	38	4	2	52	16	137	..	..	158
III.—Unreserved Lands—cont.															
Ganjam ..	..	..	..	..	..	4	41	6	..	51	..	73	2	..	75
Vizagapatam ..	..	..	..	..	..	12	14	..	..	14	..	13	..	..	13
Godavari, Upper ..	..	..	..	..	..	3	34	..	..	46	1	19	..	..	20
Do. Lower ..	..	15	13	..	28	112	24	..	..	139	..	52	..	..	191
Guntur ..	..	21	23	..	44	..	15	13	..	28	..	188	..	..	166
Nellore ..	..	36	36	..	72	19	237	66	..	44	..	74	..	..	118
Total ..	1	61	36	..	98	198	602	106	8	322	1	369	2	..	372
Grand total ..	1	61	36	..	98	198	602	106	8	322	1	369	2	..	372
															5,147

F.—15

Note for Waltair Circle—

(1) The figures for all divisions under reserved forests and for Godavari Upper under Unreserved Lands are actuals.

(2) Unreserved Lands—

Ganjam.—The figures under purchasers are estimates obtained by the Revenue Department are estimates obtained by converting revenue at the sale price rates.

Vizagapatam.—The figures under purchasers are estimates furnished by Talisildars. Others are actuals.

Godavari, Upper.—The figures under purchasers are estimates obtained by converting revenue at Re. 0-1-6 per cubic foot. Others are actuals.

Do. Lower.—The figures under purchasers are estimates by converting revenue at Re. 0-1-0 per cubic foot. Others are actuals.

Guntur.—The figures under purchasers are estimates by converting revenue at Re. 0-0-3 per cubic foot. Others are actuals.

Nellore.—The figures under purchasers are estimates by converting revenue at Re. 0-0-3 per cubic foot. Others are actuals.

Squarred timber.—Nil.

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—cont.

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)
BELLARY CIRCLE.															
I.—Reserved Forests.															
Anantapur ..	..	127	4	..	131	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	5	..	..	5	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	33	..	..	60	2	149	2	1	154	..	3	..	..	3
Do. West ..	..	17	..	..	19	6	25	..	..	33	..	..	..	..	..
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	37	174	4	..	215	7	174	5	1	187	..	3	..	..	3
II.—Leased Forests—Nil.															
III.—Reserved Lands—Nil.															
IV.—Unreserved Lands.															
Anantapur ..	..	70	1	..	71	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	3	13	..	16	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	10	10	..	20	..	..	..	..	..
Do. West ..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	74	14	..	88	..	10	10	..	20	..	3	..	..	3
Grand total ..	37	248	18	..	303	7	184	15	1	207	..	3	..	..	3

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—cont.

Division.	Miscellaneous.					Total timber.					Fuel.					
	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)	Total outturn. (32)
BELLARY CIRCLE—cont.																
I.—Reserved Forests—cont.																
Anantapur ..	..	..	..	..	..	..	127	4	..	131	1	100	..	..	101	* 232
Kurnool, East ..	..	..	..	..	4	..	7	..	..	9	1	6	..	..	7	* 16
Do. South ..	..	..	..	..	5	37	182	..	1	222	15	293	..	..	308	* 530
Do. West ..	..	58	..	60	60	9	106	3	..	112	92	1,180	1	..	1,273	* 1,385
Cuddapah, North ..	..	1	7	24	24	1	16	7	..	24	3	1,156	..	..	1,159	* 1,183
Do. South ..	..	3	19	23	23	3	19	1	..	23	248	2,772	..	..	3,020	* 3,043
Total ..	8	100	8	118	116	52	451	17	1	521	360	5,507	1	..	5,868	* 6,389
II.—Leased Forests—Nil.																
III.—Reserved Lands—Nil.																
IV.—Unreserved Lands—cont.																
Anantapur ..	..	..	..	..	..	..	70	1	..	71	..	41	..	..	41	† 112
Kurnool, East ..	..	..	..	..	..	..	3	13	..	16	..	4	..	..	4	† 20
Do. South ..	..	..	..	..	..	..	10	10	..	20	..	13	..	..	13	† 33
Do. West ..	..	17	..	17	17	..	18	..	..	18	..	28	..	..	28	† 46
Cuddapah, North ..	..	8	..	8	8	..	8	..	..	8	..	24	..	..	24	† 32
Do. South ..	..	2	..	2	2	..	2	..	..	2	..	6	..	..	6	† 8
Total ..	..	27	..	27	27	..	111	24	..	135	..	116	..	..	116†	251
Grand total ..	8	127	8	143	143	52	562	41	1	656	360	5,623	1	..	5,984	* 6,640
* Actuals.																

* Actuals.

Note for Bellary Circle—

† Estimates based on revenue collected by Tahsildars. Timber at Rs. 2-8-0 per cartload of 20 cubic feet and fuel at Rs. 1-4-0 per cartload of 20 cubic feet.

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—cont.

Division.

(1) SALEM CIRCLE. I.—Reserved Forests.

Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..</
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II.—Leased Forests—Nil.

III.—Reserved Lands—Nil.

IV.—Unreserved Lands.

Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, East	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, North	..	..	..	..	..	..	7	..	..	7	..	..	..	..	..
Do. Central	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	7	..	..	7	..	2	..	..	2
Grand total	..	1	..	..	1	..	7	..	..	7	..	2	..	..	2

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—cont.

Division.

SALEM CIRCLE—cont. I.—Reserved Forests—cont.

Chittoor	..	..	..	..	2	23	597	..	..	620
Vellore, East	..	..	..	..	8	10	402	..	..	489
Do. West	..	..	..	..	6	..	241	..	..	247
Salem, North	..	..	..	..	1	..	..	..	..	7
Do. Central	..	..	..	..	4	..	843	..	..	853
Do. South	..	..	..	..	4	19	113	..	..	136
Total	9	15	1	..	28	78	2,256	..	..	2,334
										2,362

II.—Leased Forests—Nil. III.—Reserved Lands—Nil. IV.—Unreserved Lands—cont.

Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, East	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Central	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	7	147	50	..	204	7	154	50	..	211	..	341	..	..	341	552
Grand total	16	162	51	..	229	16	172	51	..	239	78	2,597	..	..	2,975	2,914

Note for Salem Circle—

Government Agency.—Based on actuals.
Reserves—Charcoal.—One cubic foot = 6 cubic feet of fuel—
Timber and fuel—Purchasers—Chittoor, Vellore East, Vellore West, and Salem North.—Actuals based on contractor's accounts.
Timber—(Salem North)—Calculated on money value at 2 annas per cubic foot.
Fuel—Based on actuals of coupe outturn figures.
Unreserved—Purchasers—Timber and fuel.—Based on the money value obtained at sales—
Chittoor—Timber at three annas per cubic foot. Fuel at one anna and six pies per cubic foot.
Vellore East and West—Timber at two annas per cubic foot; fuel at one anna per cubic foot.
Salem North—Timber at two annas per cubic foot and fuel at one anna nine pies per cubic foot.
Salem Central and South—Timber at four annas per cubic foot and fuel at one anna nine pies per cubic foot.
Free grantees—Palmyra trees—Chittoor—Twenty cubic feet per tree.
Vellore, East and West—Ten cubic feet per tree.
Salem, Central and South—Seven cubic feet per tree.
Note.—Represents sandalwood; sandalwood 2 lbs. 1 cubic foot.
Note.—Timber and sandalwood less than 500 cubic feet is ignored.

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.					
	(1)	(2) Government.	(3) Purchasers.	(4) Free grantees.	(5) Right-holders.	(6) Total.	(7) Government.	(8) Purchasers.	(9) Free grantees.	(10) Right-holders.	(11) Total.	(12) Government.	(13) Purchasers.	(14) Free grantees.	(15) Right-holders.	(16) Total.
COIMBATORE CIRCLE.																
I. Reserved Forests.																
Kollegal	..	1	1	..	..	2	(a) 1	..	..	..	1	..	..	..	..	..
Coimbatore North	..	5	2	..	..	7	(a) 4	..	..	..	6	..	..	..	..	..
Do. South	..	(b) 32	(c) 91	..	..	123	(d) 1	..	..	..	1	(e) 42	..	..	..	..
Madura	..	(f) 3	14	..	..	17	(k) 1	..	..	..	1	1	..	..	..	..
Tinnevely	..	..	..	..	..	..	..	21	..	..	22	..	3	..	..	..
Total	..	41	109	..	..	150	8	23	..	..	31	43	3	..	..	46
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands.																
Kollegal	..	..	..	..	..	..	(a) 2	..	..	..	2	..	..	..	..	..
Coimbatore North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevely	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..
Grand total	..	41	109	..	..	150	10	23	..	..	33	..	..	..	..	..

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—*cont.*

[illegible]

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—*cont.*

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.
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)
OOTACAMUND CIRCLE.																
I. Reserved Forests.																
Mangalore, North	4	..	..	..	4	1	..	..	..	..	1	..	..	..	..	..
Do. South	4	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..
Wynad	(b) 101	10	..	..	171	4	..	..	..	..	4	(c) 94	..	..	..	(c) 94
Nilambur	(b) 70	4	..	..	74	..	..	..	..	..	..	(c) 9	..	..	..	(c) 11
The Nilgiris	(a) 28	..	..	..	28	..	..	..	..	..	..	..	..	..	..	..
Palghat	(b) 22	63	..	..	85	..	..	..	..	..	..	(c) 8	..	..	..	(c) 8
Total ..	239	82	..	..	371	5	..	..	..	..	5	..	..	..	..	..
II. Leased Forests.																
Nilambur ..	..	13	..	..	13	73	..	..	..	..	73	(c) 9	..	..	..	(c) 9
Total ..	168	13	..	..	181	73	..	..	..	..	73	9	..	..	..	9
III. Reserved Lands—Nil.																
IV. Unreserved Lands.																
Mangalore, North	(a) 32	..	..	..	32	..	..	..	..	..	..	..	..	..	..	..
Do. South	(a) 97	..	..	..	97	..	..	..	..	..	..	..	..	..	..	..
Wynad	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nilambur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	6	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Palghat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	129	6	..	..	135	..	..	..	..	..	..	..	..	..	..	..
Grand total ..	586	101	..	..	687	78	..	..	..	..	78	9	..	..	..	9
Grand total ..																
Reserves																
Leased forests ..	502	479	41	3	1,025	63	424	8	6	501	43	8	..	..	..	51
Unreserved lands ..	189	13	..	..	191	73	..	..	..	73	9	..	..	..	..	9
Total ..	141	257	44	..	442	9	41	10	..	60	..	..	..	..	..	..
Grand total ..	841	749	85	3	1,648	145	465	18	6	634	52	8	..	..	..	60

TOTAL, PRESIDENCY.

Note for Ootacamund Circle—
(a) Includes 60 cubic feet of sandalwood of Mangalore North division, 646 cubic feet of Mangalore South division and 766 cubic feet of the Nilgiris division (factor of conversion 2 quarters = 1 cubic foot).
(b) Includes gross yield of sawn materials in (c).
(c) Outturn of sawn materials from (b).

Outturn (in thousands of cubic feet, solid) of Timber and Fuel during the year 1933-34 and Agency of Exploitation—*cont.*

Division.	Miscellaneous.						Total timber.						Fuel.					
	Government.	Purchasers.	Free Grantees.	Right holders.	Total.		Government.	Purchasers.	Free Grantees.	Right holders.	Total.		Government.	Purchasers.	Free Grantees.	Right holders.	Total.	Total outturn.
(1)	(2)	(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)
OOTACAMUND CIRCLE—<i>cont.</i>																		
I. Reserved Forests—<i>cont.</i>																		
Mangalore, North	..	13	..	..	13	5	13	..	..	..	18	7	903	..	..	..	933	933
Do. South	..	18	..	..	18	4	18	..	..	..	22	..	45	..	..	..	45	67
Wynad	..	..	..	..	..	165	10	..	..	..	175	..	5	..	..	..	5	180
Nilambur	..	..	..	..	..	70	4	..	..	..	74	..	..	..	..	..	..	76
The Nilgiris	..	..	..	..	..	28	..	..	..	..	28	(a) 532	..	..	..	..	..	641
Palghat	..	..	..	..	..	22	68	..	..	..	90	9	482	..	..	..	491	584
Total ..	..	31	..	..	31	294	113	..	..	..	407	548	1,526	..	..	..	2,074	2,481
II. Leased Forests—<i>cont.</i>																		
Nilambur ..	..	..	..	..	..	250	13	..	..	..	263	1	18	..	..	..	19	282
Total ..	..	..	..	..	..	250	13	..	..	..	263	1	18	..	..	..	19	282
III. Reserved Lands—Nil.																		
IV. Unreserved Lands—<i>cont.</i>																		
Mangalore, North	..	6	..	7	13	32	6	..	..	..	45	..	45	..	..	8	53	98
Do. South	..	13	..	3	16	97	13	..	..	..	113	..	105	..	..	..	105	218
Wynad	..	..	..	..	..	..	..	..	..	..	..	..	18	..	..	..	18	20
Nilambur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..	..	..	..	..	35	..	..	..	35	35
Palghat	..	..	..	..	..	..	..	..	..	..	..	..	63	..	..	..	63	71
Total ..	..	21	2	10	33	129	27	2	2	10	163	..	266	..	..	8	274	442
Grand total ..	..	52	2	10	64	673	153	2	2	10	838	549	1,810	..	..	8	2,367	3,205
TOTAL, PRESIDENCY—<i>cont.</i>																		
Reserves ..	28	178	9	..	215	636	1,089	58	9	1,792	1,315	15,970	110	..	..	..	17,395	19,187
Leased forests ..	..	..	..	..	..	250	13	..	..	..	263	1	18	..	..	..	19	282
Unreserved lands ..	..	170	198	66	464	157	644	155	10	966	1	1,867	2	..	..	8	1,878	2,344
Grand total ..	28	348	207	96	679	1,043	1,746	213	19	3,021	1,317	17,355	112	8	..	8	18,792	21,813

Note for Ootacamund Circle—

GOVERNMENT AGENCY.—Actuals.

PRIVATE AGENCY.—Actuals.

Forest Department.—Based on figures furnished by contractors.

Reserve Department.—

Mangalore, North.—Based on the following factors of conversion.—

Fuel—one cart-load = 20 cubic feet. Rs. 4 = 1 cubic foot or 1 head-load.

Catechu, cinnamon and palmyra trees. Rs. 4-10-0 = 20 cubic feet or 1 cart-load.

Serb growth or brushwood. Rs. 4-10-0 = 20 cubic feet or 1 cart-load.

(a) 2061 bags of charcoal were manufactured by burning 23 lots of fuel.

PRIVATE AGENCY—*cont.*

Mangalore, South.—Actuals.

Wynad.—Estimate based on money value for timber at 6 annas per cubic

foot and fuel at 8 annas per cart-load of 20 cubic foot.

The Nilgiris.—Converted from money value at 4 annas per

cubic foot of fuel.

Palghat.—Converted from money value at 4 annas per cubic foot of timber

and 6 pies per cubic foot of fuel.

RIGHT-HOLDERS AND FREE GRANTEES.—Actuals.

APPENDIX to Form No. 35.

Statement showing outturn of timber by species (in thousands of cubic feet of log) removed from reserved forests (including leased forests) by Departmental Agency during 1933-34.

Name of division.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Canjam	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paradise Hills	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vizapatnam	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Golavari, Upper	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Lower	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	35	2	..	..	77	..	23	6	..	7	29	171 + 3(B)

WALTAR CIRCLE.

(B) Represents the outturn from the reserved lands.

Name of division.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Kurnool, East	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	..	..	..	..	..
Cuddapah, North	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..
Total ..	..	..	2	1	4	2	2	41	53

BELLARY CIRCLE.

Note for Bellary Circle—

* As the quantity of Sandalwood extracted during the year is very insignificant (less than 1,000 cubic feet) it is not shown in the return.

Statement showing outturn of timber by species (in thousands of cubic feet of log) removed from reserved forests (including leased forests) by Departmental Agency during 1933-34—cont.

Name of division.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Chittoor, East	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Velore, West	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. North	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salim, Central(a)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	15	..	..	..	..	..	..	..	..	..	..	..	9 + 7†

SALEM CIRCLE.

Note for Salem Circle—

* From Reserved forest.
† Timber less than 500 cubic feet ignored.
(a) Includes 0-825 cubic foot from private lands.

‡ From unreserved.

Name of division.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Kollegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tiruvallur	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	7	54	3	..	..	..	..	..	..	..	..	..	102 + 2(D)

COIMBATORE CIRCLE.

Note for Coimbatore Circle—

(a) Includes 522 cubic feet of teak stakes and fellows.
(b) Omitted being less than 1,000 cubic feet.
(c) Excludes 776 cubic feet of rough cleaned sandalwood of the Nilgiris Division.
(D) Represents the outturn from unreserved.

Statement showing outturn of timber by species (in thousands of cubic feet of log) removed from reserved forests (including leased forests) by Departmental Agency during 1933-34—cont.

Name of division.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	Total
Mangalore, North	..	..	..	0.1	..	..	..	..	..	0.5	1.2	..	2.9	0.3	5
Do. South	..	..	..	1	..	..	..	..	..	1.5	0.2	..	..	1.5	4.0
Wynad	..	..	..	9	..	..	..	..	..	16	..	..	..	8	165
Nilambur	..	..	..	1	..	..	..	..	..	3	26	..	..	10	305
The Nilgiris	..	..	..	2.4	..	..	..	..	..	9.3	+0.1	..	..	0.3	14.6
Palghat	..	..	..	..	..	..	..	..	..	..	..	..	..	7.5	22
Total	..	..	..	12.6	15	..	..	..	..	23.9	27.4	68.5	7.5	27.8	294(E)
Grand total, Presidency	..	23	411	19	15	..	..	..	..	56	+0.1	85	..	142	+250(A)
							77	32	3	56	80	85	..	142	+7(B)

OOTACAMUND CIRCLE.

Note for Ootacamund Circle—

- (E) Excludes 1,29,000 cubic feet being the outturn from unreserves.
 (A) Represents the outturn from leased forests.
 (B) Represents outturn from unreserves.
 (B) Includes out turn from leased lands.

ANNUAL FORM No. 36.

Forest Department Madras Presidency.

Outturn of Minor Forest Produce during the year 1933-34.

Produce removed or utilized.

Description of produce.	By Govern- ment agency.	By purchasers.	By free grantees.	By right- holders.	Total.
(1)	Value. (2) RS.	Value. (3) RS.	Value. (4) RS.	Value. (5) RS.	Value. (6) RS.
WALTAIR CIRCLE.					
Reserved Forests.					
Bamboos	163	69,362	881	225	70,637
Grazing	..	1,00,985	14,559	585	1,16,129
Other produce.					
Grass(hay, thatch, etc.)	83	337	..	..	420
Tamarind, soapnuts, gallnuts, nux- vomica, shekol, etc.	10,207	1,456	..	..	11,663
Horns, skins, wax, resin, gum, honey, etc.	..	14	..	..	14
Tangedu, etc., barks and fibres, sarasa- panilla, etc.	320	728	..	..	1,048
Date and palmyra leaves, stalks, moduga leaves, etc.	5	2	..	..	7
Stone, gravel, etc.	..	1,842	..	..	1,842
Miscellaneous	619	15,299	..	..	15,918
Total, Other produce	11,234	19,678	..	..	30,912
Total, Reserved Forests	11,403	1,90,025	15,440	810	2,17,678
Reserved Lands.					
Bamboos	..	44,631	2	114	44,747
Grazing	..	9,003	5,449	..	14,452
Other produce.					
Grass(hay, thatch, etc.)	..	98	..	..	98
Tamarind, soapnuts, gallnuts, nux- vomica, shekol, etc.	..	32,515	..	..	32,515
Horns, skins, wax, resin, gum, honey, etc.	..	346	..	..	346
Tangedu, etc., barks and fibres	..	96	..	..	96
Date and palmyra trees, etc.	..	33	..	..	33
Miscellaneous	109	12,517	1	5	12,632
Total, Other produce	109	45,605	1	5	45,729
Total, Reserved Lands	109	99,239	5,452	119	1,04,919
Unreserved Forests.					
Bamboos	95	9,547	16	..	9,658
Other produce.					
Grass(hay, thatch, etc.)	11	74	..	..	85
Tamarind, soapnuts, gallnuts, nux- vomica, shekol, etc.	..	12,823	..	..	12,823
Horns, skins, wax, resin, gum, honey, etc.	..	183	..	..	183
Tangedu, etc., barks and fibres, sarasa- panilla, etc.	..	1,597	..	..	1,597
Date and palm leaves, stalks and moduga leaves.	..	1,297	966	..	2,263
Stone, gravel, etc.	..	1,030	..	..	1,030
Miscellaneous	114	37,418	..	..	37,532
Total, Other produce	125	54,422	966	..	55,513
Total, Unreserved Forests	220	63,969	982	..	65,171
Abstract.					
Bamboos	264	1,23,540	899	339	1,25,042
Grazing	..	1,09,988	20,008	585	1,30,581
Other minor produce	11,468	1,19,705	967	5	1,32,145
Total	11,732	3,53,233	21,874	929	3,87,768

Outturn of Minor Forest Produce during the year 1933-34—cont.

Description of produce.	Produce removed or utilized.				
	By Govern- ment agency.	By purchasers.	By free grantees.	By right- holders.	Total.
	Value. (2)	Value. (3)	Value. (4)	Value. (5)	Value. (6)
	RS.	RS.	RS.	RS.	RS.
BELLARY CIRCLE.					
<i>Reserves.</i>					
Bamboos	427	61,602	220	1	62,250
Grazing	..	1,63,826	..	5,046	1,68,872
Fodder grass	..	2,526	..	..	2,526
Penning fees	..	4,846	..	..	4,846
Total	..	1,71,198	..	5,046	1,76,244
<i>Minor Forest Produce.</i>					
Grass (hay, thatch, etc.)	49	118	41	1	209
Tamarind, soapnuts and nux-vomica	..	2,478	..	..	2,478
Stone, gravel, and earth	..	1,046	..	..	1,046
Date, palmyra and plate leaves	..	315	12	..	327
Tooki leaves	..	9,538	..	..	9,538
Horns, honey, wax, resin, gum and gallnuts	..	1,448	..	..	1,448
Tangedu, rela, yepi and seeds	54	4,103	..	..	4,157
Manure leaves, bats dung and thorns	..	2,667	..	..	2,667
Miscellaneous including tree tapping fees and Amaroy	..	3,163	..	..	3,163
Total of Minor Forest Produce	103	24,876	53	1	25,033
Grand total of grazing and minor forest produce of reserves	103	1,96,074	53	5,047	2,01,277
<i>Unreserves.</i>					
<i>Minor Forest Produce.</i>					
Thatch grass and palmyra leaves	..	62	54	..	116
Tamarind, soapnuts and nux-vomica	..	21,511	..	..	21,511
Stone, gravel and earth	..	4,046	..	..	4,046
Date, palmyra and plate leaves	..	71	113	..	184
Manure leaves, bats dung and thorns	..	91	..	..	91
Tangedu, rela, yepi and seeds	1	39,518	..	..	39,519
Tooki leaves	..	4,339	..	..	4,339
Miscellaneous including tree tapping fees	..	93,067	..	..	93,067
Total of Minor Forest Produce of Unreserves	1	1,62,705	167	..	1,62,873
Grand total of bamboos of reserves and unreserves	427	61,602	220	1	62,250
Grand total of grazing and Minor Forest Produce of reserves and unreserves	104	3,58,779	220	5,047	3,64,150
SALEM CIRCLE.					
<i>Reserved Forests.</i>					
Bamboos	19	1,20,429	192	..	1,20,640
Grass and grazing	..	1,66,110	9	..	1,66,119
<i>Other minor produce.</i>					
Avaram, konnai, etc., barks	..	8,086	..	..	8,086
Date, palmyra, tooki plate, etc., leaves	..	899	..	..	899
Manure leaves	..	5,747	..	..	5,747
Stone, gravel, sand, etc.	..	3,296	..	..	3,296
Soapnuts, gallnuts, tamarind, nux-vomica, etc.	..	1,121	..	..	1,121
Lac and lac polish	794	..	..	..	794
Miscellaneous	524	14,671	1	..	15,196
Total	1,318	43,900	1	..	45,219
<i>Reserved Lands.</i>					
Grass and fodder	..	107	..	..	107
Manure leaves	..	708	..	..	708
Total	..	815	..	..	815
Bamboos	..	11	159	..	170

Outturn of Minor Forest Produce during the year 1933-34—cont.

Description of produce.	Produce removed or utilized.				
	By Govern- ment agency.	By purchasers.	By free grantees.	By right- holders.	Total.
	Value. (2)	Value. (3)	Value. (4)	Value. (5)	Value. (6)
	RS.	RS.	RS.	RS.	RS.
SALEM CIRCLE—cont.					
<i>Other produce.</i>					
Avaram, konnai, etc., barks	..	2,758	..	..	2,758
Date, palmyra, tooki plate, etc.	..	3,004	308	..	3,312
Manure leaves	..	375	..	..	375
Stone, gravel, sand, etc.	..	8,599	..	..	8,599
Soapnuts, gallnuts, tamarind, etc.	..	1,213	..	..	1,213
Miscellaneous including tree tapping fees, etc.)	..	52,133	5933	..	52,192
Total	..	68,082	367	..	68,449
<i>Leased Forests—Nil.</i>					
<i>Abstract.</i>					
Bamboos	19	1,20,440	351	..	1,20,810
Grass and grazing	..	1,66,217	9	..	1,66,226
Other produce	1,318	1,12,690	363	..	114,376
Grand total	1,337	3,99,347	728	..	4,01,412
COIMBATORE CIRCLE.					
<i>Reserved Forests.</i>					
Bamboos	..	45,905	1	..	45,906
Grazing	..	1,12,290	15	1,650	1,13,964
Fodder grass	..	999	..	..	999
Total	..	1,13,299	15	1,659	1,14,963
<i>Other produce.</i>					
Tamarind, gallnuts, soapnuts, cardamoms, dammer, vembadam, avaram bark, etc.	10	46,096	..	..	46,096
Pungam, sandal seeds, etc.	16	228	..	..	244
Date leaves, korai, eachen grass, kaya leaves, manure leaves, usufructs of palmyra	..	5,154	..	610	5,764
Stones, gravel, tree mess, usufructs of trees, metal rough stone	..	4,377	..	..	4,377
Deer horns, sambar horns, honey, shekoi, wax, tusks, etc.	1,103	846	..	..	1,949
Lac	409	..	..	..	409
Miscellaneous	56	9,903	..	..	9,959
Total	*1,594	66,604	..	610	68,808
<i>Unreserved Land.</i>					
Bamboos	..	463	..	..	463
<i>Other produce.</i>					
Avaram, konnai, amroy	..	3,126	..	..	3,126
Sivajama tree-tax, fees on trees, stones, gravel and rough stones	..	7,374	..	..	7,374
Usufructs of trees, palmyras, tamarind and gallnuts	..	9,672	..	..	9,672
Kaya leaves, korai grass, manure leaves, etc.	..	3,493	..	..	3,493
Miscellaneous	..	4,237	..	..	4,237
Total Other produce	..	27,902	..	..	27,902
<i>Abstract.</i>					
Bamboos	..	46,368	1	..	46,369
Grazing and fodder grass	..	1,13,289	15	1,659	1,14,963
Other produce	1,594	94,506	..	610	96,710
Total	† 1,594	2,54,163	16	2,269	2,58,042

Note for Coimbatore Circle—

* Excludes Rs. 268 being the revenue realized in the Coimbatore South on account of elephant tusks of the Ootacamund Circle (the Nilgiris Rs. 184, Palghat Rs. 72 and Nilambur Rs. 10).

† Excludes the revenue of Rs. 266 pertaining to the Ootacamund Circle.

Outturn of Minor Forest Produce during the year 1933-34—cont.

Produce removed or utilized.

Description of produce.	By Govern- ment agency.	By purchasers.	By free grantees.	By Right- holders.	Total.
(1)	Value. (2)	Value. (3)	Value. (4)	Value. (5)	Value. (6)
	RS.	RS.	RS.	RS.	RS.
OOTACAMUND CIRCLE.					
<i>Reserved Forests.</i>					
Bamboos	15,474	13,540	16	..	29,030
Grazing and fodder grass	168	27,948	729	..	28,845
<i>Other Minor Produce.</i>					
Stones, gravel, etc.	..	1,506	..	..	1,506
Cardamoms	1,744	1,225	..	..	2,969
Other items such as wax, shekol, areca- nuts, cinchona bark, cane, elephant tusks, etc.	633	11,551	21	..	12,205
Total	2,377	14,282	21	..	16,680
Total for reserves	18,019	55,770	768	..	74,555
<i>Reserved Lands.</i>					
Bamboos	..	52	..	..	52
Grazing and fodder grass	..	..	81	..	81
Total for reserved lands	..	52	81	..	133
<i>Leased Forests.</i>					
Bamboos	4,916	116	..	..	5,030
Other minor produce	..	413	..	..	413
Total for leased forests	4,916	527	..	..	5,443
<i>Unreserves.</i>					
Bamboos	..	61	..	..	61
<i>Other Minor Produce.</i>					
Stones, gravel, etc.	..	1,611	..	..	1,611
Catechu trees	..	20	..	..	20
Other items	..	4,842	..	..	4,842
Total for unreserves	..	6,534	..	..	6,534
Total	22,935	62,883	847	..	86,665
<i>Abstract.</i>					
Bamboos	20,390	13,767	16	..	34,173
Grazing and fodder grass	168	27,948	810	..	28,926
Other produce	2,377	21,168	21	..	23,566
Grand total	22,935	62,883	847	..	86,665
<i>Reserved Forests.</i>					
Bamboos	16,089	3,10,838	1,310	226	3,23,463
Grazing	168	5,79,530	15,313	7,290	6,02,301
Other produce	16,626	1,69,340	75	611	1,86,652
<i>Reserved Lands.</i>					
Bamboos	..	44,683	2	114	44,799
Grazing	..	9,110	5,530	..	14,640
Other produce	100	40,313	1	5	40,428
<i>Unreserved Lands.</i>					
Bamboos	95	10,032	175	..	10,352
Grazing	..	..	..	..	..
Other produce	126	3,19,584	1,500	..	3,21,210
<i>Leased Forests.</i>					
Bamboos	4,916	114	..	..	4,930
Grazing	..	413	..	..	413
Other produce	..	..	..	..	..
Grand Total, Presidency—	21,100	3,65,617	1,487	340	3,88,544
Bamboos	168	5,88,440	20,843	7,290	6,16,941
Grazing	16,861	5,35,650	1,578	616	5,54,703
Other produce	..	..	..	..	..
Total	8,129	14,89,907	23,906	8,246	15,60,188

ANNUAL FORM No. 37.

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 1933-34.

Name of district.	Balance at commence- ment of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance on hand at close of the year in forest and sale depots.
(1)	(2)	(3)	(4)	(5)	(6)
<i>Waltair Circle.</i>					
<i>TIMBER (in thousands of cubic feet).</i>					
Ganjam	6	74	80	(a) 60 (b) 1	18
Parlakimedi Mallahs	..	3	3	(a) 3 (b) 0	4
Vizagapatam	2	11	13	(a) 9 (b) 4	44
Godavari, Upper	18	94	112	(a) 65 (b) 47	6
Do. Lower	2	11	13	(c) 4	..
Total	28	193	221	149	72
<i>SANDALWOOD (in quarters).</i>					
Guntur	..	23	23	11	..
<i>FUEL (in thousands of cubic feet).</i>					
Ganjam	6	27	33	(a) 16 (b) 1	13
Parlakimedi Mallahs	8	16	44	(c) 44	..
Vizagapatam	(A) + 20	2	4	(a) 3	1
Godavari, Upper	2	1	1	(a) 1	..
Do. Lower	39	101	140	(b) 60	80
Guntur	8	12	20	(b) 14	..
Nellore	1	151	152	(c) 143 (b) 6	6
Total	64 (A) + 20 or 84	310	394	238	193
<i>BAMBOOS (in number).</i>					
Ganjam	8,285	8,285	8,285	(b) 8,285	..
Vizagapatam	760	760	760	(b) 760	..
Godavari, Upper	18,088	18,088	18,088	(b) 18,088	..
Do. Lower	421	421	421	(b) 421	..
Guntur	1,833	1,833	1,833	(b) 1,833	..
Total	29,387	29,387	29,387	29,387	..
<i>MINOR FOREST PRODUCE (in quarters of 28 lb.).</i>					
Ganjam	2,077	2,077	2,077	(b) 2,077	..
Parlakimedi Mallahs	10	13	13	(a) 12	..
Vizagapatam	106	231	231	(b) 143	81
Godavari, Upper	603	5,701	6,304	(b) 5,862	442
Do. Lower	116	12	128	(b) 117	11
Guntur	137	952	1,089	(b) 1,046	43
Nellore	6,382	18,029	24,411	(a) 17,377 (b) 609 (c) 4,764	1,610
Total	7,354	26,899	34,253	32,083	2,130

Note for Waltair Circle—

- (a) Sold.
(b) Used departmentally.
(c) Written off.

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 1933-34—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 on hand at close of the year in forest and sale depots.
(1)	(2)	(3)	(4)	(5)	(6)
Bellary Circle.					
TIMBER (in thousands of cubic feet).					
Kurnool, East..	..	2	2	(a) 1.5	Nil.
Do. South	..	37	38	(b) .5	
Do. West	..	9	13	(a) 34.5	
Cuddapah, North	..	1	2	(b) .5	5
Do. South	..	3	3	(a) 7	
Total ..	6	52	58	(a) 2	Nil.
				(a) 3	Nil.
				50	8
FUEL (in thousands of cubic feet).					
Anantapur	..	1	3	(a) 3	Nil.
Kurnool, East..	..	2	3	(a) 3	
Do. South	..	15	19	(a) 8	
Do. West	..	92	152	(a) 84	11
Cuddapah, North	..	3	22	(a) 18	
Do. South	..	26	274	(c) 3	1
				(a) 221	
Total ..	113	360	473	(c) 14	39
				354	119
BAMBOOS (in number).					
Kurnool, East..	..	33,735	33,735	(c) 31,450	Nil.
Do. South	..	400	400	(b) 2,285	
Do. West	..	200	46,031	(a) 200	
Cuddapah, South	..	15,020	15,020	(b) 200	234
				(a) 45,797	
Total ..	200	95,186	95,386	(a) 14,800	Nil.
				(b) 200	
				95,152	234
MINOR FOREST PRODUCE (in quarters of 28 lb.).					
Anantapur	..	32	169	(a) 49	22
Kurnool, East..	..	1	11	(b) 98	
Do. South	..	309	873	(b) 9	
Do. West	..	71	2,271	(b) 546	332
Cuddapah, North	..	184	450	(b) 2,271	
Do. South	..	216	629	(b) 283	167
				(b) 480	
Total ..	813	3,595	4,408	3,736	672

Note for Bellary Circle—
(a) Sold.
(b) Used departmentally.
(c) Written off.

Salem Circle.					
TIMBER (in thousands of cubic feet).					
Chittoor ..	..	1	1	1	..
Vellore, East ..	..	1	1	1	
Do. West ..	..	15	16	15	
Salem, North ..	..	1	11	10	1
Do. Central ..	..	2	2	2	
Do. South ..	..	1	1	1	
Total ..	2	30	32	30	2
FUEL (in thousands of cubic feet).					
Chittoor ..	..	18	41	27	14
Vellore, East ..	..	12	31	13	
Do. West ..	..	8	8	8	
Salem, North ..	..	2	4	4	..
Do. Central ..	..	17	32	17	
Do. South ..	..	13	32	16	
Total ..	70	78	148	85	63

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 1933-34—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 on hand at close of the year in forest and sale depots.
(1)	(2)	(3)	(4)	(5)	(6)
Salem Circle—cont.					
BAMBOOS (in number).					
Chittoor ..	..	800	800	800	..
Vellore, East ..	..	..	..	..	
Do. West ..	..	8,277	8,277	8,177	
Salem, North ..	..	..	..	..	100
Do. Central ..	..	..	..	..	
Do. South ..	..	..	..	..	
Total ..	..	9,077	9,077	8,977	100
MINOR FOREST PRODUCE (in quarters of 28 lb.).					
Chittoor ..	..	33	231	151	83
Vellore, East ..	..	73	1,946	2,019	
Do. West ..	..	14	103	69	
Salem, North ..	..	163	1,113	327	140
Do. Central ..	..	23	68	51	
Do. South ..	..	50	86	81	
Total ..	361	2,554	2,915	2,480	435
		(a) 1,113	(a) 1,113	(a) 356	(a) 757

Note for Salem Circle—
(a) Lac polish in bottles.
Note.—Timber includes sandalwood.

Coimbatore Circle.					
TIMBER (in thousands of cubic feet).					
Kollegal ..	..	1	5	4	1
Coimbatore, North ..	..	1	10	9	
Do. South ..	..	83	85	168	
Madura ..	..	1	2	2	..
Tinnevely ..	..	7	4	11	
Total ..	93	104	197	136	61
SLEEPERS (in numbers).					
Coimbatore South ..	..	4,981	5,100	5,100	..
Valparai, Broad gauge ..	..	2,598	3,170	3,170	
Do. Metre gauge ..	..	..	..	..	
Total ..	7,579	691	8,270	8,270	..
FUEL (in thousands of cubic feet).					
Coimbatore, South ..	..	3	2	2	2
Madura ..	..	..	10	6	
Tinnevely ..	..	..	2	2	
Total ..	3	14	17	8	9
BAMBOOS (in number).					
Tinnevely ..	..	183	183	183	..
OTHER MINOR PRODUCE (in quarters of 28 lb.).					
Coimbatore, North ..	..	100	215	144	71
Do. South ..	..	383	1,077	583	
Madura ..	..	50	142	51	
Tinnevely ..	..	157	857	1,012	2
Total ..	695	1,753	2,448	1,790	

Note for Coimbatore Circle—
Under other minor produce are included seeds one measure being equal to 1 lb.
(a) Includes sandalwood 2 quarters being equal to one cubic foot.
(b) Includes sandalwood received from Kollegal.
(c) Includes—
(1) 2,926 cubic feet used departmentally.
(2) 63 cubic feet otherwise disposed of.
(3) 1,224 cubic feet converted into sleepers at Pollachi depot.
(4) 4,609 cubic feet written off.
(d) Includes 196 Broad gauges written off.
(e) Includes 393 Metre gauges written off.
(f) Includes 5,000 lb. of charcoal (40 lb.=1 cubic foot).
(g) Includes 1,450 lb. of charcoal (40 lb.=1 cubic foot).
(h) Includes 7,200 lb. of charcoal (40 lb.=1 cubic foot).
(i) Includes—
(1) 637 lb. written off.
(2) 23 lb. sent to Research Forester.
(3) 2,940 lb. sent to District Forest Officer, Tinnevely.
(4) 2,715 lb. sent to Waltair Circle.
(5) 40 lb. sent to Research Forester for being sent to Dehra Dun.
(6) 515 lb. sent to Java.
(7) 101 lb. handed over to the Raja of Kollengode and Mr. M. K. Nair, Deputy Conservator of Forests.

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 1933-34—*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 on hand at close of the year in forest and sale depots.
(1)	(2)	(3)	(4)	(5)	(6)
<i>Ootacamund Circle.</i>					
TIMBER (in thousands of cubic feet).					
Mangalore, North	34	37	71	(a) 56 (b) 2	13
Do. South	114	101	215	(a) 129 (b) 2 (c) 1	
Wynaad	(d) 229	165	394	(a) 112 (b) 5 (c) 4 (d) 2 (e) 2 (f) 47 (a) 5	222
Forest Utilization Officer's sawn timber.	5	..	5	(a) 47 (a) 5	
Total for Wynaad	229.5	165	394.5	172.5	222
Nilambur	181	311	492	(a) 20 (b) 1 (c) 3 (e) 13	271
The Nilgiris	13	28	41	32	
Palghat	20	22	42	(a) 20 (b) 12 (c) 4	6
Total for Ootacamund Circle	591.5	664	1,255.5	651.5	

Note for Ootacamund Circle.—

- (a) Sold.
- (b) Used for departmental works.
- (c) Written off.
- (d) Wastage in sawing, resquaring, difference in remeasurement, etc.
- (e) Wastage in conversion into sleepers.
- (f) Overseas consignment.
- (g) Correct opening balance.

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 1933-34—*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 on hand at close of the year in forest and sale depots.
(1)	(2)	(3)	(4)	(5)	(6)
<i>Ootacamund Circle—cont.</i>					
FUEL (in thousands of cubic feet).					
Mangalore, North	1	7	8	(a) 2	6
The Nilgiris	91	532	623	(a) 558	65
Palghat	..	9	9	(a) 8	1
Total	92	543	640	568	72
BAMBOOS (in number).					
Mangalore, North	84	542	626	(a) 63 (b) 563	..
Do. South	..	4,870	4,870	(a) 4,647	220
Wynaad	..	11,769	11,769	(a) 24 (b) 11,745	..
Nilambur	244	144,200	144,444	(a) 116,786 (b) 3,061 (c) 2,499 (a) 2,000 (b) 2,912	22,091
Palghat	..	4,912	4,912	(a) 2,000 (b) 2,912	
Total	328	166,293	166,821	144,300	22,321
MINOR FOREST PRODUCE (in quarters of 28 lb.).					
Mangalore, North	6	..	6	..	6
Do. South	(f) 223	339	564	367	197
Wynaad	1	1	2	2	..
The Nilgiris	64	160	224	107	117
Palghat	(f) 422	242	664	562	102
Total	718	742	1,460	1,038	422

GRAND TOTAL FOR THE PRESIDENCY.

Timber (in thousands of cubic feet) ..	(A) 2,303	1,043	3,346	2,599	747
Fuel (in thousands of cubic feet) ..	(A) 362	1,310	1,672	1,303	369
Bamboos (in numbers) ..	528	300,126	300,654	277,999	22,655
Minor Forest Produce (in quarters of 28 lb.).	(A) 9,941	36,684	46,625	41,474	5,151

(A) Revised figures adopted.

ANNUAL REPORT OF THE

ANNUAL FORM NO. 38.

Forest Department, Madras Presidency.

Statement showing the value of Timber and other Produce
at sale depots for the year 1933-34.

District.	Description of timber or produce.	On hand at commence- ment 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.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>Wallair Circle.</i>									
Ganjam	Timber	111	73	37	1	1	1	36	
Parlakimedi Maliahs.	Do.	36	644	427	220	2,724	1,675	1,248	
Vizagapatam	Do.	358	1,571	350	6,819	31,272	14,279	14,279	
Godavari, Upper	Do.				123	5	132	132	
Do. Lower	Do.								
Guntur	Do.								
Nellore	Do.								
Total timber		505	2,320	826	7,163	34,087	16,002	15,281	12
Ganjam	Fuel	278	7,800	834					
Parlakimedi Maliahs.	Do.								
Vizagapatam	Do.								
Godavari, Upper	Do.								
Do. Lower	Do.								
Guntur	Do.								
Nellore	Do.								
Total fuel		278	10,674	1,395					
Parlakimedi Maliahs.	Minor forest produce.								
Vizagapatam	Do.								
Nellore	Do.								
Total, minor forest produce.									
Grand Total									
<i>Bellary Circle.</i>									
Kurnool, South	Timber	1	6	10	162	2,241	571	561	
Cuddapah, South	Do.	97	122	242	33	121	38	204	
Total		98	128	252	195	2,362	609	357	
<i>Salem Circle.</i>									
Chittoor	Timber	5	7	30	12	54	53	23	
	Fuel								
Vellore, East	Minor forest produce.								
	Timber								
	Fuel								
Vellore, West	Minor forest produce.								
	Timber								
	Fuel								
Salem, North	Minor forest produce.								
	Timber								
	Fuel								
	Bamboos								
Salem, Central	Minor forest produce.								
	Timber								
	Fuel								
Salem, South	Minor forest produce.								
	Timber								
	Fuel								
	Minor forest produce.								

FOREST DEPARTMENT

Statement showing the value of Timber and other Produce
at sale depots for the year 1933-34—cont.

District.	Description of timber or produce.	On hand at commence- ment 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.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>Salem Circle—cont.</i>									
Total	Timber			RS.			RS.	RS.	RS.
	Fuel			1,907			2,619	29,353	12,791
	Bamboo			69,753			80,930	3,855	484
	Minor forest produce.			QRS.			QRS.	1	
				362			436	1,149	30
Grand Total				21,052			34,358	13,308	
<i>Coimbatore Circle.</i>									
Kollegal	Timber			257			165		
Coimbatore, North.	Spokes and felloes.	SETS.		50			33	21	144
	Timber			550			449	365	84
	Sandalwood			236			236	336	100
	Sambur and deer horns.	QRS.		81			212	8,712	990
	Gallnuts			5			7	28	184
	Honey and wax			9			35	189	7
	Sandalseeds	MRS.		140			4	12	8
Coimbatore, South	Elephant tusk						2	247	247
	Sawn timber			31,654			31,654	22,581	9,073
	Spokes and felloes.	SETS.		100			134	1,474	510
	Sleepers—								
	B.G.	(a)		4,944					
	M.G.	(b)		2,543					
Madura	Timber			292			95	48	18
	Fuel			3,350			419	7,299	911
	Charcoal			91			61	180	103
	Brake poles			248			62	279	70
	Sandalwood			1			41	3	189
Tinnevely	Seeds	LB.		418			383	282	363
	Lac	(c)		1,389			434	797	50
	Timber			6,579			1,190	156	50
	Sandalwood			7			150	56	1,393
Abstract	Timber			39,018			33,340	23,154	23,006
	Sawn timber			1,583			1,583		
	Brake poles			248			62	279	70
	Sandalwood			449			9,893	455	10,294
	Spokes and felloes.	SETS.		150			175	2,001	2,375
	Sleepers—								
	B.G.								
	M.G.								
	Fuel			3,350			419	7,299	911
	Charcoal			91			61	180	103
	Sambur and deer horns.	QRS.		81			16	28	

Note for Salem Circle—

* Represents bottles of lac polish.

(a) Revised figures furnished by District Forest Officers.

Statement showing the value of Timber and other Produce
at sale depots for the year 1933-34—cont.

District.	Description of timber or produce.	On hand at commence- ment of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value. RS.	Number.	Cubic feet.	Value. RS.	In favour of the year.	Against the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Coinabatore Circle—cont.									
Abstract—cont.	Honey and wax	QRS. 9	..	35	QRS. 39	..	189	154	..
	Gall nuts	QRS. 7	..	7	..	..	..	..	7
	Seeds	MES. 140 LB. 418	..	308	MRS. 400 LB. 388	..	294	..	14
	Elephant tusk	..	..	..	QRS. 2	..	247	247	..
	Lac	..	..	..	QRS. 2,556	..	797	363	..
	Total	..	..	434	..	..	38,319 +	2,138	41,175
									— 39,037
Ootacamund Circle.									
Mangalore, North	Timber	..	..	24,485	15,871	..	13,302	6,644	..
Mangalore, South	Timber	..	..	35,132	32,365	..	32,715	29,153	9,227
Wynaad	Timber	..	..	..	..	..	..	..	3,212
Forest Utilization Officer.	Sawn timber	.. (a) 19,762	.. (a) 42,790	749	350	69,272	139,052	98,862	..
	Total for Wynaad.	..	..	20,511	43,140	..	69,272	1,39,652	98,862
Nilambur	Timber	..	..	59,940	1,15,870	..	76,248	1,03,554	12,316
	Total for Ootaca- mund Circle.	..	..	140,068	2,07,246	..	191,537	2,79,003	71,757
Mangalore, South	Bamboos	..	..	..	..	223	..	7	..
Nilambur	Do.	..	..	..	..	22,097	..	2,210	..
	Total	..	..	..	..	22,320	..	2,217	..
Total, Presidency	Timber	..	..	..	..	..	..	..	..
	Fuel	..	..	..	..	..	3,60,797	60,031	..
	Minor forest pro- duce.	..	..	..	..	..	5,023	..	218
	Bamboos	..	..	..	..	..	3,254	2,679	..
	Grand Total	..	..	..	..	..	2,217	2,217	..
		..	..	..	..	..	3,71,298	59,351	..

Note for Coinabatore Circle—
(a) Includes 443 rejections.
(b) Includes 264 rejections.
Factors of conversion—
(c) One measure of seeds = 1 lb.
Sandalwood 2 qrs. = 1 cubic foot.
Charcoal 40 lb. = 1 cubic foot.
Spokes and felloes 1 set = 11 cubic feet.
Brake pole 1 = 1 cubic foot.
Note for Ootacamund Circle—
(a) Correct figure adopted.
* Revised figures have been adopted.

ANNUAL FORM No. 39.
Forest Department, Madras Presidency.
Summary of Revenue of the different districts, 1933-34.

Budget heads.	Direction.	Ganjam. Padakmedil.			Vizaga- patam.	Godavari		Guntur.	Nellore.		Totol.
		RS.	RS.	RS.		Upper.	Lower.		RS.	RS.	
WALTAIR CIRCLE.											
VIII. Forest Receipts.											
(a) Timber and other produce removed from the forest by Government Agency—											
Sandalwood	..	..	..	..	..	..	..	266	151	272	639
Other produce—											
Timber	..	9,058	1,765	23,846	4,853	493	2	493	..	2	40,022
Firewood and charcoal	..	1,573	1,470	121	26	2,398	510	2,398	168	7,221	6,970
Other minor produce	..	..	109	2	95	19	35	19	35	7,221	7,481
Total	4	10,631	3,344	23,969	4,979	3,176	354	3,176	354	8,017	54,474
.. Total (a)	4	10,631	3,344	23,969	4,979	3,176	354	3,176	354	8,017	54,474
(b) Timber and other produce removed from the forests by consumers or purchasers—											
Forest Department—											
Timber	..	14,895	6,825	13,557	901	12,079	675	46,588	73,280	48,932	171,514
Firewood and charcoal	..	31,560	4,066	15,091	6,065	71,800	7,803	12,342	21,309	1,09,988	123,450
Bamboos	..	5,043	4,256	8,773	14,048	18,419	46,976	1,719	1,354	77,614	90
Grazing and fodder grass	..	10,107	1,513	9,378	6,773	1,719	4,685	1,354	1,354	77,614	90
Other minor produce	..	1,246	1,241	30,141	34,723	39,380	1,95,737	72,687	95,949	5,31,528	15,581
Total, Forest Department	..	62,911	30,141	39,380	34,723	1,95,737	72,687	1,95,737	95,949	5,31,528	16,958
Revenue Department—											
Timber	..	9,312	..	..	641	2,404	956	2,404	2,268	15,581	16,958
Firewood and charcoal	..	2,893	..	..	428	2,516	8,604	2,516	2,517	16,958	18,471
Bamboos	..	90	..	..	..	18,649	13,854	18,649	6,289	42,061	60
Other minor produce	..	1,515	..	..	1,770	—	23,569	23,569	23,414	11,074	74,690
Total, Revenue Department	..	13,810	..	39,384	2,839	23,569	23,414	23,569	23,414	11,074	74,690
.. Total (b)	..	76,721	30,141	39,384	37,562	2,19,308	96,101	2,19,308	96,101	1,07,023	6,06,218
(c) Drift and waifwood and confiscated forest produce.	..	508	45	1,243	26	2,503	233	2,503	120	4,763	5,091

Summary of Revenue of the different districts, 1933-34—cont.

Budget heads.	Direction.	Garijam.	Pariakimedi.	Vizaga- patam.	Godavari Upper.	Godavari Lower.	Guntur.	Nellore.	Total.
		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
WALTAR CIRCLE—cont.									
VIII. Forest Receipts—cont.									
(a) Miscellaneous— Fines and forfeitures Rents of buildings Other sources Contribution towards leave salary of officers lent to foreign service	..	384 2,185 11,475 ..	53 170 782 ..	703 308 2,123 ..	51 1,892 1,506 ..	3,031 1,919 13,823 ..	567 412 9,183 ..	853 852 8,013 ..	5,082 7,852 57,402 ..
Total (a)	..	14,088	1,005	3,254	3,449	18,773	10,162	10,318	71,000
(b) Deduct—Refunds—Voted— Refunds by Forest Officers	..	9,955	34,535	45,821	68,025	2,43,758	1,06,850	1,25,478	7,86,480
Grand Total	..	4,130	0	17	11	370	67	233	1,037
	..	9,912	1,01,698	45,804	68,014	2,43,389	1,06,783	1,25,245	7,35,373

Summary of Revenue of the different districts, 1933-34—cont.

Budget heads.	Direction.	Anantapur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
		RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest Receipts.								
BELLARY CIRCLE.								
(a) Timber and other produce removed from forests by Government Agency— Sandalwood • Other produce— Timber Firewood and charcoal Bamboos Grazing and fodder grass Other minor produce	..	..	..	..	..	..	..	..
	..	81 1,781 468 22,355 34,134 3,690	1,576 99 6,633 19,791 2,172	19,232 5,668 24,402 19,791 2,172	11,901 ..	407 44 ..	1,505 28,430 6,385 16,884 5,663	33,532 53,702 63,066 1,06,351 24,579
Total, Forest Department	..	28,375	44,448	71,285	80,069	58,696	58,857	3,41,830
Revenue Department— Timber Firewood and charcoal Other minor produce	..	..	..	..	..	..	..	..
	..	8,690 2,584 1,08,871	405 280 2,438	1,265 819 3,341	2,200 1,751 31,396	976 1,483 9,702	258 355 6,110	13,794 7,372 1,61,918
Total, Revenue Department	..	1,20,145	3,123	5,425	35,347	12,221	6,723	1,82,628
Total (a)	..	1,48,520	47,571	76,710	1,15,416	70,917	65,680	5,24,814
(b) Timber and other produce removed from the forests by consumers Forest Department— Timber Firewood and charcoal Bamboos Grazing and fodder grass Other minor produce	..	..	..	..	..	..	..	..
	..	81 1,781 468 22,355 34,134 3,690	1,576 99 6,633 19,791 2,172	19,232 5,668 24,402 19,791 2,172	11,901 ..	407 44 ..	1,505 28,430 6,385 16,884 5,663	33,532 53,702 63,066 1,06,351 24,579
Total, Forest Department	..	28,375	44,448	71,285	80,069	58,696	58,857	3,41,830
Revenue Department— Timber Firewood and charcoal Other minor produce	..	..	..	..	..	..	..	..
	..	8,690 2,584 1,08,871	405 280 2,438	1,265 819 3,341	2,200 1,751 31,396	976 1,483 9,702	258 355 6,110	13,794 7,372 1,61,918
Total, Revenue Department	..	1,20,145	3,123	5,425	35,347	12,221	6,723	1,82,628
Total (b)	..	1,48,520	47,571	76,710	1,15,416	70,917	65,680	5,24,814
(c) Drift and wallwood and confiscated forest produce Miscellaneous— Fines and forfeitures Rents of buildings Other sources	..	..	..	..	..	..	..	..
	..	76 58 462 9,224	78 216 1,081 8,347	448 1,009 2,072 7,034	294 583 2,578 9,621	577 1,087 2,007 8,693	2,527 2,743 1,459 8,818	4,000 5,786 9,659 51,823
Total (c)	..	9,744	9,644	10,205	12,782	11,787	13,020	67,268
Total	..	1,58,365	59,534	99,283	1,31,548	83,733	80,843	6,19,192
4. Deduct—Refunds—Voted—Refunds by Forest officers	..	57	329	17	50	180	268	901
Grand Total	..	1,58,308	59,205	99,266	1,31,498	83,553	86,375	6,18,291

Note for Bellary Circle.—* This return excludes the revenue of Rs. 168 realized in Salem Circle on account of sale of sandalwood, as it will be included in the return of Salem Circle (Rs. 167 of Cuddapah South Division and Rs. 1 of Anantapur Division).

ANNUAL REPORT OF THE

Summary of Revenue of the different districts, 1933-34—cont.

Budget heads.	Direction.	Silvicult.	WORKING PLANS CIRCLE.					Total.
			No. I Working Plans (Lower Division (Godavari)).	No. I Working Plans (Vellore).	No. II Working Plans (Tinnevely).	No. III Working Plans (Madura).	No. IV Working Plans (North Division (Cumballore).	
			RS.	RS.	RS.	RS.	RS.	RS.
(a) Timber and other produce removed from forests by Government Agency—								
Timber	..	..	..	..	..	..	..	109
Firewood and charcoal	..	..	..	..	..	..	..	151
Total (a)	..	..	..	..	..	..	..	260
(b) Miscellaneous—								1
Fines and forfeitures	..	..	..	..	..	..	..	764
Rents of buildings	..	..	..	..	..	..	..	133
Other sources	..	..	..	..	..	..	..	898
Total (b)	..	..	..	..	..	..	..	9
Grand Total	..	..	..	..	..	..	..	9 4,158

VIII. Forest Receipts.

Summary of Revenue of the different districts, 1933-34—cont.

Budget heads.	Direction.	Chittoor.	SALEM CIRCLE.					Total.
			Vellore, East.	Vellore, West.	Salem, North.	Salem, Central.	Salem, South.	
		RS.	RS.	RS.	RS.	RS.	RS.	RS.
(a) Timber and other produce removed from the forests by Government Agency—								
Sandalwood	..	100	40,074	31,597	2,03,726	52,448	12,560	3,53,561
Other produce—								
Timber	..	1,772	..	3	262	..	..	2,037
Firewood and charcoal	..	38	..	..	9	..	..	355
Bamboos	..	..	..	..	12	..	..	12
Other minor produce	..	..	123	..	806	..	..	1,024
Total (a)	..	1,919	40,202	42,647	2,06,905	52,751	12,565	3,56,989
(b) Timber and other produce removed from the forests by consumers or purchasers—								
Forest Department—								
Timber	..	1,005	15,277	241	69	883	..	2,198
Firewood and charcoal	..	9,475	51,267	3,048	4	23,806	4,630	56,300
Bamboos	..	17,500	51,567	15,910	6,433	26,263	6,532	1,24,237
Grazing and fodder grass	..	23,063	20,112	22,814	21,693	38,045	20,102	1,64,897
Other minor produce	..	9,012	10,491	5,033	2,772	3,728	9,510	40,540
Total, Forest Department	..	60,061	1,03,447	50,076	30,973	92,787	50,774	3,88,118
Revenue Department—								
Timber	..	1,791	8,542	578	873	3,606	10,272	25,662
Firewood and charcoal	..	2,078	10,011	490	753	10,617	24,004	38,955
Bamboos	..	8,229	22,713	6,185	5,706	6,745	26,448	43,911
Other minor produce	..	12,099	41,276	7,253	7,332	11,008	47,337	76,026
Total, Revenue Department	..	22,160	1,44,723	57,329	38,305	1,03,793	47,337	1,26,303
Total (b)	..	131	115	143	23	144	206	832
(c) Drift and waifwood and confiscated forest produce	..	1,101	2,210	1,413	560	2,003	1,368	8,664
(d) Miscellaneous—								
Fines and forfeitures	..	2,431	2,196	734	932	1,170	537	8,000
Rents of buildings	..	9,567	12,611	7,180	4,761	14,335	17,258	65,796
Other sources	..	81	17,026	9,327	6,256	17,508	19,163	82,460
Total (d)	..	81	33,810	1,09,446	2,51,480	1,74,190	1,30,105	9,54,702
Grand Total	..	81	87,310	202,066	1,09,446	1,74,190	1,30,105	9,54,702
Net Total	..	39	4,325	3,049	2	3,679	107	11,201
Net Total	..	81	87,280	1,97,741	1,06,397	1,70,517	1,29,998	9,43,591

(e) Debit—Refunds—Voted—
R-funds by Forest officers

• Rupees 11,047 relate to other circles adjusted in Vellore West Division.

ANNUAL REPORT OF THE

Budget heads.	Direction.	Coimbatore North.	Coimbatore South.	Madurai.	Tinnevely.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
COMBATORE CIRCLE.							
VIII. Forest Receipts.							
(a) Timber and other produce removed from the forests by Government Agency—	0	15	129,108	8	84	..	1,29,319
Sandalwood	..	..	..	..	..	..	..
Other produce	..	..	..	..	..	..	..
Timber	..	632	630	1,20,361	1,080	1,799	1,25,402
Firewood and charcoal	..	117	..	325	82	..	1,417
Other minor produce	..	119	537	858	3	..	1,925
(b) Timber and other produce removed from the forests by consumers or purchasers—	..	..	..	..	..	..	..
Forest Department—	..	..	..	..	..	..	..
Timber	..	840	189	33,296	84	2,341	39,650
Firewood and charcoal	..	1,488	19,351	14,360	67,700	953	1,41,697
Bamboos	..	1,067	25,934	5,217	3,355	2,253	45,906
Grazing and fodder grass	..	45,922	32,396	4,409	22,993	760	11,410
Other minor produce	..	2,032	15,241	7,038	33,985	2,923	70,055
Revenue Department—	..	..	..	..	..	..	..
Timber	..	778	2,178	785	5,518	76	9,335
Firewood and charcoal	..	108	1,511	1,047	5,251	3,819	30,835
Bamboos	..	..	..	..	..	..	..
Drift and walfwood and confiscated forest produce	..	..	..	..	..	..	..
Miscellaneous—	..	..	..	..	..	..	..
Vines and forfeitures	..	106	365	106	1,357	475	2,409
Rent of buildings	..	1,210	1,017	2,081	2,230	1,532	8,727
Other sources	..	5273	18,041	5,872	23,236	3,480	65,477
Total	40	67,838	2,49,212	1,98,149	1,51,486	14,877	8,14,831
(h) Deduct—Refunds—Voted—	..	..	..	..	..	..	..
Refunds by Forest officers	..	90	1,111	130	1,170	10	2,871
Net Total	40	67,748	2,48,101	1,98,019	1,50,316	14,867	8,11,760

* Excludes Rs. 9,000 realized in Salem Circle.

† The amount is distributed as follows:—

Coimbatore, North	61,670
Do, South	50,604
Madurai	84
Tinnevely	98
Nilgiri	16,855
Total	1,29,319

† Excludes Rs. 301 realized in Salem Circle.

‡ Includes Rs. 266 relating to Ootacamund Circle.

Summary of Revenue of the different districts, 1933-34—cont.

Budget heads.	Direction.	Mangalore, North.	Mangalore, South.	Wynad.	Nilgiris.	Palghat.	Nhambar.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
OOTACAMUND CIRCLE.								
VIII. Forest Receipts.								
(a) Timber and other produce removed from forests by Government Agency—	..	1,047	13,253	..	..	..	..	14,300
Sandalwood	..	..	..	..	..	..	..	..
Other produce	..	..	..	..	..	..	..	..
Timber	..	13,984	52,706	1,48,710	9,631	7,320	2,93,044	5,25,404
Firewood and charcoal	..	53	..	..	37,776	1,157	39,154	1,157
Other minor produce	..	2	7	15	..	225	10,255	10,504
Revenue Department—	..	..	..	..	..	..	..	..
Timber	..	..	..	..	..	..	..	..
Firewood and charcoal	..	..	..	..	..	..	..	..
Bamboos	..	..	..	..	..	..	..	..
Grazing and fodder grass	..	..	..	..	..	..	..	..
Other minor produce	..	..	..	..	..	..	..	..
Total	..	14,039	52,727	1,48,984	47,764	10,446	3,03,476	5,77,436
Total (a)	..	15,086	65,980	1,49,984	47,764	10,446	3,03,476	5,91,736
(b) Timber and other produce removed from the forests by consumers or purchasers—	..	..	..	..	..	..	..	..
Forest Department—	..	..	..	..	..	..	..	..
Timber	..	145	101	519	817	2,059	3,055	6,696
Firewood and charcoal	..	8,968	1,319	48	6,032	42,512	1,416	59,925
Bamboos	..	427	254	575	1,626	10,704	129	13,706
Grazing and fodder grass	..	5,744	8,508	4,074	6,492	3,071	3,403	27,949
Other minor produce	..	873	1,740	3,311	2,342	3,009	3,403	14,738
Revenue Department—	..	..	..	..	..	..	..	..
Timber	..	16,157	11,982	8,527	17,909	61,415	7,024	1,23,014
Firewood and charcoal	..	4,176	4,003	563	190	1,409	..	10,341
Bamboos	..	8,793	1,974	456	445	1,953	..	13,627
Other minor produce	..	49	938	404	116	4,131	..	6,454
Total, Revenue Department	..	13,889	6,917	14,23	761	7,493	..	30,483
Total, Revenue Department	..	30,046	18,899	9,950	18,670	68,908	..	1,53,497
Total (b)	..	446	287	36	60	39	34	902
(c) Drift and walfwood and confiscated forest produce	..	..	..	..	..	..	..	..
(d) Miscellaneous—	..	..	..	..	..	..	..	..
Fines and forfeitures	..	1	150	24	1,878	441	240	2,889
Rent of buildings	..	771	2,499	1,046	3,382	1,626	2,326	13,420
Other sources	..	372	3,086	4,255	14,611	6,380	5,171	39,369
Total (d)	..	1,144	6,335	5,905	10,174	15,936	8,447	55,678
Total	..	1,144	51,913	91,071	1,69,144	82,430	87,840	8,01,813
(h) Deduct—Refunds—Voted—	..	..	..	..	..	..	..	..
Refunds by Forest officers	..	..	..	..	..	..	..	..
Grand Total	..	1,144	51,848	91,017	1,69,079	82,437	87,785	3,17,427

* Excludes Rs. 10,853 being value of sandalwood pertaining to Nilgiri Division realized in Coimbatore North Division.

FOREST DEPARTMENT

ANNUAL FORM

Forest Department,

Summary of Revenue of the different

Budget heads.	Waltair Circle.	Bellary Circle.	Working Plans Circle.	Salem Circle.	Coimbatore Circle.
(1)	(2)	(3)	(4)	(5)	(6)
	RS.	RS.	RS.	RS.	RS.
VIII. Forest Receipts.					
(a) Timber and other produce removed from the forests by Government Agency—					
Sandalwood	689	..	..	3,53,561	1,29,319
Other produce—					
Timber	40,022	22,297	109	2,037	1,25,517
Firewood and charcoal	6,279	507	152	355	417
Bamboos	..	295	..	12	..
Other minor produce	7,484	10	..	1,024	1,811
Total (a) ..	54,474	23,109	261	3,56,989	2,56,064
(b) Timber and other produce removed from the forests by consumers or purchasers—					
Forest Department :					
Timber	48,932	33,532	..	2,199	36,649
Firewood and charcoal	1,71,514	53,702	..	56,300	1,41,697
Bamboos	1,23,450	63,606	..	1,24,237	45,006
Grazing and fodder grass	1,09,988	1,66,351	..	1,64,838	1,14,106
Other minor produce	77,644	24,579	..	40,546	70,055
Total, Forest Department ..	5,31,528	3,41,830	..	3,88,200	4,08,418
Revenue Department :					
Timber	15,581	13,794	..	25,661	9,334
Firewood and charcoal	16,958	7,272	..	24,606	30,935
Bamboos	90	..	..	12	465
Other minor produce	42,661	1,01,560	..	76,022	30,673
Total, Revenue Department ..	74,690	1,82,626	..	1,26,301	71,407
(c) Drift and waifwood and confiscated forest produce	4,768	4,000	..	832	1,135
(f) Miscellaneous :					
Fines and forfeitures	5,682	5,786	..	8,665	2,408
Forest College	..	..	..	..	..
Rents of buildings	7,852	9,659	764	8,000	8,727
Other sources	57,402	51,823	133	65,730	65,477
Total (f) ..	70,936	67,268	897	82,395	76,612
Contribution towards leave salary of forest officers lent to foreign service	64	..	..	65	..
Grand Total ..	7,36,460	6,18,833	1,158	9,54,702	8,14,631
VIII. h. Deduct refunds—Voted—					
Refunds by Forest officers	1,087	900	..	11,201	2,871
Net Total ..	7,35,373	6,17,933	1,158	9,43,501	8,11,760

No. 39.

Madras Presidency.

districts for the year 1933-34.

Ootacamund Circle.	Forest Engineer.	Forest Utilization Officer.	Principal, Forest College.	Chenchu Officer.	Chief Conservator of Forests.	Total.	
(7)	(8)	(9)	(10)	(11)	(12)	1933-34.	1932-33.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
14,300	..	..	..	..	..	4,97,869	5,33,391
5,25,404	..	..	..	..	..	7,15,386	13,67,252
39,154	..	..	..	..	..	46,864	47,715
10,504	..	..	..	..	..	10,811	8,711
2,374	..	..	..	..	..	12,703	9,705
5,91,736	..	..	..	..	..	12,83,633	19,66,774
6,696	..	..	..	..	..	1,28,008	1,59,547
59,924	..	..	..	..	..	4,83,137	5,12,407
13,706	..	..	..	..	..	3,70,965	3,74,425
27,949	..	..	..	..	..	5,83,232	5,86,179
14,738	..	..	..	..	..	2,27,562	2,10,944
1,23,013	..	..	..	..	..	17,92,904	18,43,502
10,341	..	..	..	..	..	74,711	91,593
13,627	..	..	..	..	..	93,398	71,571
61	..	..	..	..	..	628	140
6,454	..	..	..	..	..	3,16,770	3,46,171
30,483	..	..	..	..	..	4,85,507	5,15,480
903	..	..	..	..	..	11,638	8,602
2,839	..	2	..	..	..	25,432	28,954
1	..	..	23,434	..	..	23,435	39,480
13,419	..	72	1,534	..	..	50,027	49,411
39,369	6,756	318	..	..	758	2,87,766	3,17,556
55,878	6,756	392	24,968	..	758	3,86,660	4,34,401
..	80	..	..	..	..	209	..
8,01,813	6,836	392	24,968	..	758	39,60,551	47,68,759
1,376	..	48	..	..	..	17,483	30,630
8,00,437	6,836	344	24,968	..	758	39,43,058	47,38,169

Summary of Expenditure of the different districts, for the year 1933-34.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ganjam.	Parlakimedi Malais.	Visagapatam.	Godavari, Upper.	Godavari, Lower.	Guntur.	Nellore.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
A. Forest produce removed by Government Agency—Voted—									
Timber ..		3,713	919	4,403	9,083	135	70		18,118
Firewood and charcoal ..			67		59				331
Bamboos ..									2
Sandalwood ..			3	2	16	2		6,289	6,310
Grass and other minor produce removed from the forest by consumers and purchasers ..		7,707	1,671	3,539	6,276	9,910	7,893	4,455	41,451
C. 1. Feed and upkeep of cattle ..			479		344	275		78	1,176
C. 2. Renewals or replacement of stores, tools and plant ..		200	39	88	445	3,669	650	1,731	6,822
b. D. 1. Roads and bridges ..		1,850		1,439	628	1,746	724	638	7,076
2. Buildings and other works—Non-voted—									
Rates and taxes ..		162		78		227	158	— 7	618
Voted—									
Buildings ..		5,347	403	1,829	3,267	2,327	779	1,365	15,317
Forest College ..									
Other works ..		149			119	6	98	57	477
b. E. 1. Regeneration ..			366	723	3,500	571	249	238	6,007
2. Fire protection ..		3,808	603	311	1,835	773		245	7,625
3. Other works—Voted—									
Maintenance of boundaries ..		1,225		557	480	1,113	240		3,615
Forest surveys ..		4,826		152		439	314	387	6,618
Other items ..									
F. Other charges—Non-voted—									
Rates and taxes ..				3		122			125
Voted—									
Honoraria ..		50	11		20			72	153
Supplies and services ..				527	21	6,264	5	12	6,829
Miscellaneous ..									
II. Suspense—Works—Advance.									
Total ..	271	29,037	4,561	13,698	26,233	27,579	11,180	16,110	1,29,669
Total, Non-Voted ..	162			81		349	153	— 7	743
Total, Voted ..	409	29,037	4,561	13,617	26,233	27,230	11,022	16,117	1,27,926

FOREST DEPARTMENT

Summary of Expenditure of the different districts, for the year 1933-34—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ganjam.	Parlakimedi Malais.	Visagapatam.	Godavari, Upper.	Godavari, Lower.	Guntur.	Nellore.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
C. A. 1. Pay of officers—Non-voted—									
Emergency cut ..	25,428	14,124		6125	7,592	15,364	4,336	13,732	86,701
Pay of officers—Voted ..	— 1,379	— 1,003	— 340	— 412	— 864	— 994	— 217	— 994	— 5,214
Emergency cut ..		6,277	8,750	3,510	784	10,910	7,140		37,371
A. 2. Pay of establishments—Voted—		— 50	— 72			— 78	— 78		— 278
Permanent ..	10,098	50,705	16,323	20,072	40,833	48,638	33,140	20,999	2,46,328
Temporary ..	33	1,953	1,598	1,723	3,032	1,526	800	506	11,266
Emergency cut ..	— 72	— 304	— 67	— 65	— 219	— 341	— 124	— 134	— 1,326
A. 3. Allowances—Non-voted—									
Travelling allowances ..	2,817	2,436		1,048	1,550	2,391	851	1,989	13,082
Cost of passages ..		3,360							3,360
Allowances—Voted—									
Travelling allowances ..	972	6,007	2,997	2,802	3,935	9,247	4,024	3,626	33,610
Fixed travelling allowances ..									
Other compensatory ..		2,370	625	1,153	2,276	1,686	1,572	823	10,505
A. 4. Contingencies and supplies and services—Non-voted—		931	303	259	897	664	376	660	4,096
Rates and taxes ..	1,793	133		606		416	460	255	3,758
Voted—									
Rents of Public Works ..									
Department buildings ..	2,040	1,907	1,932	1,956		1,650	3,109	1,176	13,770
Deduct recoveries of ..									
Rents of Public Works ..	— 1,284	— 1,040	— 868	— 612	— 2	— 40	— 1,008	99	— 4,854
Apparatus and materials ..	33	304	53	162	224	538	96		1,509
Service postage and telegram charges ..	901	1,624	250	518	899	1,401	803	859	7,285
Tour charges ..	449	836	460	539	233	948	470	540	4,475
Office expenses ..	481	305	184	255	322	409	127	201	2,284
Pay of menials ..	127	286	48		516	335	84		1,832
Other charges ..	66	186	219	250	147	163	193	165	1,399
Total, c. A. District establishments.	42,503	91,347	33,319	40,086	62,127	94,968	56,249	50,508	4,71,007
Total, Non-voted ..	28,659	15,690		7,529	8,720	17,307	5,430	14,982	98,327
Total, Voted ..	13,844	75,657	33,219	32,557	53,397	77,661	50,819	35,526	3,72,680

Summary of Expenditure of the different districts, for the year 1933-34—cont.

Account heads (major minor and sub-heads and units of appropriation).	(1)	Direction.	(2)	Ganjam.	(3)	Parlakimidi Malahs.	(4)	Vizagapatnam.	(5)	Godavari, Upper.	(6)	Godavari, Lower.	(7)	Guntur.	(8)	Nellore.	(9)	Total.	(10)
	RS.		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
a. Forest surveys and extension of forests—																			
A. Demarcation—Voted—																			
Cost of forest settlements and compensation for land and rights ..				2,536	34			355	15									2,940	
B. Surveying and planting ..																		3,365	
C. Other charges—Voted—																		474	
Working plans ..														130					
Other miscellaneous charges ..																			
c. Communications and buildings—																			
A. Roads and bridges—																			
New works ..				1,099				415						100				2,433	
B. Buildings—																		1,385	
New works ..				67										82				2,387	
Other works ..				540			50												
C. Other works—																		101	
New works ..				203														343	
d. Railways and tramways ..																			
e. Livestock stores, tools and plant—																			
A. Livestock—Purchase of live-stock ..																			
B. Stores, tools and plant ..				150			96			67				9				550	
f. Investment in Government commercial undertakings ..																			
g. Write back of capital expenditure to revenue ..																			
Total ..			344	5,105	34	148	937	4,322	321	2,976	14,185								

(a) Relates to Guntur.

Summary of Expenditure of the different districts, for the year 1933-34—cont.

Account heads (major, minor and sub-heads and units of appropriation).	(1)	Direction.	(2)	Anantapur.	(3)	Kurnool, East.	(4)	Kurnool, South.	(5)	Kurnool, West.	(6)	Cuddapah, North.	(7)	Cuddapah, South.	(8)	Total.	(9)
	RS.		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.

BELLARY CIRCLE.

8. b. Conservancy, Maintenance and Regeneration.

Account heads (major, minor and sub-heads and units of appropriation).	(1)	Direction.	(2)	Anantapur.	(3)	Kurnool, East.	(4)	Kurnool, South.	(5)	Kurnool, West.	(6)	Cuddapah, North.	(7)	Cuddapah, South.	(8)	Total.	(9)
	RS.		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
A. Forest produce removed by Government Agency—Voted—																	
Timber ..						691		3,242		1,450				1,108		6,551	
Firewood and charcoal ..						179				77						179	
Bamboos ..														12		13	
Sandalwood ..																	
Grass and other minor produce ..																	
Total of (A) A. Voted ..				1		870		3,242		1,527				1,180		6,820	
b. B. Timber and other produce removed from the forests by consumers and purchasers ..				4,507		4,791		5,914		6,182		8,665		9,645		39,764	
b. C. 1. Feed and upkeep of cattle ..				20						1,710						1,730	
2. Renewals or replacement of stores, tools and plant ..				38		87		148		54		47		98		472	
Total of C. ..				58		87		148		1,764		47		98		2,202	
D. D. 1. Roads and bridges ..				322		2,470		3,180		1,346		830		2,094		10,242	
2. Buildings and other works ..				114		21		230		244		250		98		957	
Non-voted—																	
Rates and taxes ..				1,874		2,191		1,841		1,813		1,992		1,818		11,529	
Buildings ..				19		49		120		124				11		323	
Other works ..				2,329		4,731		5,371		3,527		3,072		4,021		23,051	
Total of D. ..				134		557		740		1,493		322		419		3,665	
b. E. 1. Regeneration ..				81		607		602		1,250		384		743		3,670	
2. Fire protection ..																	
3. Other works—																	
Maintenance of boundaries ..				192		148		104		328		122		41		1,025	
Forest surveys ..						600										600	
Emergency deduction from pay ..						—										—	
Other items ..				41		129				46		60		93		378	
Total of E. ..				451		2,036		1,536		3,117		897		1,296		9,333	

Summary of Expenditure of the different districts, for the year 1933-34—cont.

Account heads (Major, minor and sub-heads and units of appropriation),	(1)	Direction.	Anantapur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
b. F. Other charges—									
Non-voted—	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Rates and taxes ..	..	..	..	..	..	..	..	..	..
Voted—	..	..	..	..	..	..	..	..	..
Honoraria ..	..	..	50	71	10	16	..	78	225
Supplies and services ..	..	..	..	103	30	..	..	..	223
Miscellaneous ..	..	..	6	5	14	29	21	90	165
Total of F ..	..	..	56	269	54	45	21	168	613
b. II. Suspense—Works Advances—									
Total ..	..	..	7,462	12,784	16,265	16,162	12,702	16,408	81,783
Non-voted ..	..	..	114	21	230	244	250	98	957
Voted ..	..	..	7,348	12,763	16,035	15,913	12,452	16,310	80,828
Total ..	..	..	7,462	12,784	16,265	16,162	12,702	16,408	81,783
c. A. 1. Pay of officers—Non-voted—									
Pay excluding passage pay ..	28,892	..	10,400	10,289	..	7,068	11,218	9,312	77,179
Emergency cut ..	1,693	..	563	615	..	354	649	412	4,286
Total of c. A. 1 ..	27,199	..	9,837	9,674	..	6,714	10,569	8,900	72,893
c. A. 2. Pay of establishments—Voted—									
Emergency cut ..	..	..	..	..	9,249	9,563	3,632	4,281	26,745
Permanent ..	..	..	..	..	75	123	50	..	248
Emergency cut ..	9,927	..	27,989	33,936	35,745	44,385	39,876	48,100	2,39,958
Temporary ..	71	..	114	114	110	169	384	384	1,103
..	..	..	144	806	431	1,495	885	296	4,057
Total of c. A. 2 ..	9,856	..	28,919	34,828	36,066	45,711	40,620	47,012	2,42,912
c. A. 3. Allowances—Non-voted—									
Travelling allowances ..	..	..	1,657	1,070	..	2,311	1,488	618	11,386
Allowances—Voted—	..	..	..	..	..	..	..	..	..
Travelling allowance ..	617	..	1,734	3,405	4,694	4,803	4,458	3,772	23,483
Fixed travelling allowance ..	..	..	730	1,516	2,292	2,584	1,582	1,654	10,358
Other compensatory ..	..	..	546	905	704	925	786	1,067	4,903
Total of allowances—Voted ..	617	..	3,010	5,826	7,690	8,312	6,798	6,493	38,744

8. c. A. District Establishments.

FOREST DEPARTMENT

Summary of Expenditure of the different districts, for the year 1933-34—cont.

Account heads (Major, minor and sub-heads and units of appropriation),	(1)	Direction.	Anantapur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
c. A. 4. Contingencies—									
Non-voted—	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Rates and taxes ..	934	..	214	..	127	54	..	408	1,823
Voted—	..	..	..	..	..	..	..	..	..
1. Rents of Public Works Department buildings ..	3,516	..	1,728	..	862	1,044	672	1,948	9,760
2. Service postage and telegram charges ..	527	..	900	869	1,000	599	992	1,056	5,943
3. Pay of menials ..	216	..	374	661	335	96	447	353	2,482
4. Tour charges ..	574	..	507	815	961	455	937	602	4,851
5. Office expenses ..	90	..	133	259	249	616	186	143	1,706
6. Other charges ..	227	..	259	579	342	308	316	148	2,179
Deduct—Recoveries of rents of Public Works Department ..	1,254	..	576	..	..	..	34	610	2,474
Total of c. A. 4 ..	4,830	..	3,539	3,213	3,866	3,172	3,516	4,436	26,272
c. A. 5. Supplies and services—Voted—									
Apparatus and materials ..	65	..	19	188	191	268	146	157	1,034
Total of c. A. 5 ..	65	..	19	188	191	268	146	157	1,034
Total of c. A. District Establishment ..									
Non-voted ..	46,000	..	46,081	55,508	56,987	75,828	66,737	72,597	4,49,738
Voted ..	33,259	..	12,271	12,268	127	9,333	12,708	10,426	90,390
Total ..	12,741	..	33,810	43,240	56,860	66,495	54,031	62,171	3,29,348
52. A. c. Communications and buildings—Voted—									
c. A. Roads and bridges—	..	..	..	..	..	..	..	..	..
New works ..	..	..	..	..	..	..	..	..	..
c. B. Buildings—	..	..	..	..	..	..	..	..	..
New works ..	..	..	..	..	..	..	..	..	..
Works in progress ..	..	..	605	88	130	..	558	..	558
c. C. Other works—	..	..	..	..	..	..	..	..	..
Works in progress ..	..	..	..	..	..	..	..	..	..
New works ..	..	..	..	..	..	..	..	..	..
Total of 52. A. c. ..	..	..	605	88	512	..	237	50	160
c. Live stock, stores, tools and plant—	..	..	..	..	..	..	..	..	..
B. Stores, tools and plant ..	..	..	..	..	..	..	..	..	..
Total of (c) ..	..	..	605	88	69	..	5,050	50	6,374

52. A. Capital Outlay on Forests.

Summary of Expenditure of the different districts, for the year 1933-34—cont.

Account heads (major, minor and sub-heads and units of appropriation).

152

(1)	(2) Direction	(3) Provincial Sylhet District	(4) No. I. Working Plan Division (Lower Goda-Var). (Vellore).	(5) No. I. Working Plan Division (Vellore).	(6) No. II. Working Plan Division (Tinnevely).	(7) No. III. Working Plan Division (Madura).	(8) No. IV. Working Plan Division (North Cumbalore).	(9) No. IV. Working Plan Division (North Salem).	(10) No. V. Working Plan Division (South Cumbalore).	(11) Total
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
B. C. 2. Renewals or replacements of stores and tools and plant	163	..	..	..	..	..	..	..	..	163
Total	163	..	..	..	..	..	..	..	..	163
D. 2. Buildings and other works—	183	..	..	..	..	..	..	..	..	183
Voted—	..	..	..	..	..	..	..	..	..	..
Buildings	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..
E. A. 1. Pay of officers—Non-voted—	..	..	..	..	..	..	..	..	..	..
Emergency deductions from pay.	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..
E. A. 2. Pay of officers—Voted—	..	..	..	..	..	..	..	..	..	..
1. Permanent	..	..	..	..	..	..	..	..	..	..
2. Temporary	..	..	..	..	..	..	..	..	..	..
Emergency deductions from pay.	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..
E. A. 3. Allowances and Honoraria—Non-voted—	..	..	..	..	..	..	..	..	..	..
Travelling allowances	..	..	..	..	..	..	..	..	..	..
Cost of passages	..	..	..	..	..	..	..	..	..	..
Voted—	..	..	..	..	..	..	..	..	..	..
Travelling allowance	..	..	..	..	..	..	..	..	..	..
Fixed travelling allowance	..	..	..	..	..	..	..	..	..	..
Other compensatory	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..
Total	..	12,083	11,897	11,897	11,897	11,897	11,897	11,897	11,897	11,897
	..	— 917	— 79	— 79	— 79	— 79	— 79	— 79	— 79	— 79
	..	14,168	13,920	13,920	13,920	13,920	13,920	13,920	13,920	13,920
	..	3,726	3,726	3,726	3,726	3,726	3,726	3,726	3,726	3,726
	..	2,270	2,270	2,270	2,270	2,270	2,270	2,270	2,270	2,270
	..	3,753	3,753	3,753	3,753	3,753	3,753	3,753	3,753	3,753
	..	586	586	586	586	586	586	586	586	586
	..	601	601	601	601	601	601	601	601	601
Total	..	10,916	10,916	10,916	10,916	10,916	10,916	10,916	10,916	10,916

ANNUAL REPORT OF THE

8. c. Establishments.

Summary of Expenditure of the different districts for the year 1933-34—cont.

Account heads (major, minor and sub-heads and units of appropriation).

F.—20

(1)	(2) Direction	(3) Provincial Sylhet District	(4) No. I. Working Plan Division (Lower Goda-Var). (Vellore).	(5) No. I. Working Plan Division (Vellore).	(6) No. II. Working Plan Division (Tinnevely).	(7) No. III. Working Plan Division (Madura).	(8) No. IV. Working Plan Division (North Cumbalore).	(9) No. IV. Working Plan Division (North Salem).	(10) No. V. Working Plan Division (South Cumbalore).	(11) Total
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
C. A. 4. Contingencies—Non-voted—	..	..	..	..	..	..	..	..	..	..
Rates and taxes	..	..	..	..	..	..	..	..	..	..
Voted—	..	..	..	..	..	..	..	..	..	..
Service postage and telegram charges	..	..	..	..	..	..	..	..	..	..
Tour charges	..	..	..	..	..	..	..	..	..	..
Office expenses	..	..	..	..	..	..	..	..	..	..
Other charges	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..
A. 5. Supplies and services—Voted—	..	..	..	..	..	..	..	..	..	..
Other supplies and services	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..
Grand total	..	..	..	..	..	..	..	..	..	..
Non-voted	..	..	..	..	..	..	..	..	..	..
Voted	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..
	..	94	94	94	94	94	94	94	94	94
	..	550	550	550	550	550	550	550	550	550
	..	350	350	350	350	350	350	350	350	350
	..	101	101	101	101	101	101	101	101	101
	..	255	255	255	255	255	255	255	255	255
Total	..	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350	1,350
	..	6,751	6,751	6,751	6,751	6,751	6,751	6,751	6,751	6,751
Grand total	..	6,751	6,751	6,751	6,751	6,751	6,751	6,751	6,751	6,751
Non-voted	..	44,103	44,103	44,103	44,103	44,103	44,103	44,103	44,103	44,103
Voted	..	17,256	17,256	17,256	17,256	17,256	17,256	17,256	17,256	17,256
Total	..	26,847	26,847	26,847	26,847	26,847	26,847	26,847	26,847	26,847

FOREST DEPARTMENT

153

Summary of Expenditure of the different districts for the year 1933-34—cont.

Account heads (major, minor and sub-heads and units of appropriation).

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Direction	Rs.	Provincial	No. I. Work	No. I. Work	No. II. Work	No. III. Work	No. IV. Work	No. V. Work	No. VI. Work	Total

(b) Organization Improvement and extension of forests—Voted—

(b) C. Other charges—Voted

(c) Stores tools and plant

52-A. Capital outlay on Forests.

404	363	10	1,151	219	6,130	800	11,429
404	363	10	1,151	219	6,130	800	11,429
246	246	26	26	26	26	26	297
246	246	26	26	26	26	26	297
2,598	2,598	404	1,177	219	6,130	800	11,726
2,598	2,598	404	1,177	219	6,130	800	11,726

30,696	30,696	11,963	5,937	2,569	8,386	11,008	70,909
1,817	1,817	867	537	171	419	595	4,219
28,878	28,878	11,096	5,337	2,398	7,967	10,413	66,690
2,369	2,369	3,625	8,411	1,045	5,587	23,498	23,498
7,709	7,709	2,252	7,052	2,461	15,637	9,383	55,826
36	36	60	20	32	12	85	304
10,042	10,042	5,710	7,402	4,020	21,212	9,298	78,829
5,220	5,220	1,742	608	88	2,035	2,052	11,745
2,241	2,241	1,338	176	7	5,700	1,72	16,421
57	57	112	358	253	2,133	835	4,700
1,190	1,190	336	99	393	193	551	2,901
8,717	8,717	3,707	4,260	741	10,061	5,210	35,787
3,003	3,003	509	500	31	1,342	504	7,408
451	451	5	5	..	..	70	526
451	451	5	5	..	..	70	526
51,692	51,692	21,022	20,188	7,100	40,582	25,495	1,91,391
34,099	34,099	12,838	6,545	2,496	10,002	12,465	80,596
17,593	17,593	8,184	7,932	4,704	30,580	13,080	1,10,785

* Correctly includes Rs. 21 shown wrongly against "52-A. (c) Live-stock" as per audited actuals, due to error in adjustment in March finale.

Contingencies

Supplies and services

FOREST DEPARTMENT

Summary of Expenditure of the different districts for the year 1933-34—cont.

Salem Circle.

Account heads (major, minor and sub-heads and units of appropriation).

Direction	Rs.	Chittoor.	Vellore east.	Vellore west.	Salem north.	Salem central.	Salem south.	Total.
523	523	27	27	27	27	27	27	557
151	151	3,559	3,559	3,559	3,559	3,559	3,559	33,136
877	877	1,775	1,775	1,775	1,775	1,775	1,775	33,700
8,732	8,732	7,683	5,546	4,256	6,913	7,633	40,763	96
137	137	66	62	80	150	100	595	621
145	145	66	80	80	150	100	621	14,326
3,994	3,994	2,180	1,420	4,022	2,074	636	1,269	14,326
263	263	425	207	39	228	107	1,269	1,269
2,919	2,919	2,935	1,546	2,779	2,585	1,066	14,730	31
242	242	169	30	31	97	31	611	30,936
7,418	7,418	5,709	3,212	6,871	4,984	2,742	20,936	1,216
2,116	2,116	410	471	908	1,412	1,216	6,653	5,144
484	484	888	755	642	1,270	1,105	5,144	807
84	84	..	80	144	196	303	807	129
50	50	..	..	..	49	..	129	2,634
2,734	2,734	1,298	1,306	1,784	2,927	2,634	12,733	..

b. A. Forest produce removed by Government Agency—Voted—

b. B. Timber and other produce removed from the forests by con-

b. C. 1. Feed and upkeep of cattle

b. C. 2. Renewals or replacements of stores, tools and plant

b. D. 1. Roads and bridges

b. D. 2. Buildings and other works—

b. E. 1. Rates and taxes

b. E. 2. Other works—

b. E. 3. Other items

b. F. 1. Maintenance of boundaries

b. F. 2. Forest surveys

b. F. 3. Other items

b. G. 1. Maintenance of boundaries

b. G. 2. Forest surveys

b. G. 3. Other items

b. H. 1. Maintenance of boundaries

b. H. 2. Forest surveys

b. H. 3. Other items

b. I. 1. Maintenance of boundaries

b. I. 2. Forest surveys

b. I. 3. Other items

b. J. 1. Maintenance of boundaries

b. J. 2. Forest surveys

b. J. 3. Other items

b. K. 1. Maintenance of boundaries

b. K. 2. Forest surveys

b. K. 3. Other items

b. L. 1. Maintenance of boundaries

b. L. 2. Forest surveys

b. L. 3. Other items

b. M. 1. Maintenance of boundaries

b. M. 2. Forest surveys

b. M. 3. Other items

b. N. 1. Maintenance of boundaries

b. N. 2. Forest surveys

b. N. 3. Other items

b. O. 1. Maintenance of boundaries

b. O. 2. Forest surveys

b. O. 3. Other items

b. P. 1. Maintenance of boundaries

b. P. 2. Forest surveys

b. P. 3. Other items

b. Q. 1. Maintenance of boundaries

b. Q. 2. Forest surveys

b. Q. 3. Other items

b. R. 1. Maintenance of boundaries

b. R. 2. Forest surveys

b. R. 3. Other items

b. S. 1. Maintenance of boundaries

b. S. 2. Forest surveys

b. S. 3. Other items

b. T. 1. Maintenance of boundaries

b. T. 2. Forest surveys

b. T. 3. Other items

b. U. 1. Maintenance of boundaries

b. U. 2. Forest surveys

b. U. 3. Other items

b. V. 1. Maintenance of boundaries

b. V. 2. Forest surveys

b. V. 3. Other items

b. W. 1. Maintenance of boundaries

b. W. 2. Forest surveys

b. W. 3. Other items

b. X. 1. Maintenance of boundaries

b. X. 2. Forest surveys

b. X. 3. Other items

b. Y. 1. Maintenance of boundaries

b. Y. 2. Forest surveys

b. Z. 1. Maintenance of boundaries

b. Z. 2. Forest surveys

b. Z. 3. Other items

Summary of Expenditure of the different districts for the year 1933-34—cont.

SALEM CIRCLE—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.		Chittoor.		Vellore east.		Vellore west.		Salem north.		Salem central.		Salem south.		Total.	
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
3. F. Other charges—																
Non-voted—																
Rates and taxes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Voted—																
Honoraria	..	..	75	91	50	50	50	50	2,429	30	176	60	39	502	502	502
Supplies and services	..	..	..	5	10	10	14	14	19	49	22	22	22	116	116	116
Miscellaneous	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	87	96	74	74	74	74	2,498	255	255	121	121	3,131	3,131	3,131
4. H. Suspense—Works—Advances	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand total	..	..	19,703	16,627	13,814	36,005	19,874	15,971	15,971	15,971	15,971	15,971	15,971	15,971	1,21,884	1,21,884
Non-voted	..	..	263	425	207	39	228	107	39	228	107	107	107	1,269	1,269	1,269
Voted	..	..	19,530	16,202	13,607	35,966	19,448	15,864	15,864	15,864	15,864	15,864	15,864	1,20,615	1,20,615	1,20,615
5. (c) Establishment—																
A. Pay of officers—																
Non-voted	..	..	27,742	10,010	10,485	16,200	11,921	15,184	16,200	10,100	10,100	15,184	15,184	1,07,028	1,07,028	1,07,028
Deduct—Emergency cut	..	..	1,619	934	997	878	685	819	878	560	560	819	819	6,162	6,162	6,162
Voted	..	..	4,382	..	6,502	4,350	12,376	..	4,350	..	..	..	..	27,610	27,610	27,610
Deduct—Emergency cut	..	..	..	..	145	73	70	..	73	..	..	..	..	288	288	288
Total	..	..	30,505	15,112	16,145	23,542	23,542	19,599	23,542	9,540	9,540	14,315	14,315	1,28,758	1,28,758	1,28,758
c. B. Pay of establishments—Voted—																
Permanent	..	..	9,459	39,456	37,077	41,586	28,470	38,147	41,586	38,147	38,147	34,560	34,560	2,28,761	2,28,761	2,28,761
Temporary	..	..	60	1,131	1,029	3,202	1,501	1,436	3,202	868	1,436	1,436	1,436	9,287	9,287	9,287
Deduct—Emergency cut	..	..	70	150	151	150	133	126	150	126	126	116	116	910	910	910
Total	..	..	9,449	40,428	37,952	44,638	29,902	38,889	44,638	38,889	38,889	35,880	35,880	2,37,138	2,37,138	2,37,138
C. Allowances and honoraria—																
Non-voted—																
Travelling allowances	..	..	1,386	2,097	1,505	2,279	1,347	1,554	2,279	1,554	1,554	1,750	1,750	11,893	11,893	11,893
Voted—																
Travelling allowance	..	..	704	2,097	2,975	3,644	3,644	3,644	3,644	2,757	2,757	3,067	3,067	22,645	22,645	22,645
Fixed travelling allowances	..	..	..	1,678	1,531	1,368	1,368	1,368	1,368	1,368	1,368	1,368	1,368	9,751	9,751	9,751
Other compensatory	..	..	..	532	572	711	213	213	711	610	610	334	334	2,972	2,972	2,972
Total	..	..	2,090	7,004	6,603	11,757	6,572	6,280	11,757	6,280	6,280	6,980	6,980	47,266	47,266	47,266

Summary of Expenditure of the different districts for the year 1933-34—cont.

Budget heads.	Direction.		Chittoor.		Vellore east.		Vellore west.		Salem north.		Salem central.		Salem south.		Total.	
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
(c) D. Contingencies—																
Non-voted—																
Rates and taxes	..	..	336	28	277	45	45	45	..	..	275	207	207	1,168	1,168	1,168
Voted—																
Rents of Public Works Department buildings	..	..	7,725	360	2,110	825	825	825	1,632	2,353	2,353	1,970	1,970	16,294	16,294	16,294
Service postages and telegram charges	..	..	500	938	994	707	707	707	235	304	304	152	152	6,202	6,202	6,202
Pay of menials	..	..	132	114	114	120	120	120	985	900	900	432	432	1,236	1,236	1,236
Tour charges	..	..	377	404	204	182	182	182	282	277	277	382	382	3,599	3,599	3,599
Office expenses	..	..	305	126	132	163	163	163	111	111	111	382	382	1,942	1,942	1,942
Other charges	..	..	..	..	..	..	..	..	..	..	..	..	..	1,781	1,781	1,781
Deduct—Recoveries of rents of Public Works Department buildings.	..	..	2,840	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	6,796	1,978	4,113	4,737	4,737	4,737	3,651	4,243	4,243	3,259	3,259	25,775	25,775	25,775
(c) E. Supplies and services—																
Apparatus and materials	..	..	11	131	85	131	131	131	239	93	93	101	101	881	881	881
Other supplies and services	..	..	..	..	..	..	..	..	21	1	1	..	..	922	922	922
Total	..	..	11	131	85	131	131	131	260	94	94	191	191	903	903	903
(c) F. Charges payable to Governments, departments and others—																
Subsidy payable towards the cost of staff employed by the Indian Institute of Science, Bangalore, for investigation of spike disease in sandalwood.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Contribution payable to the Government of India for entomological investigation of spike disease in sandalwood.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	48,851	84,651	64,898	61,884	61,884	61,884	91,086	59,026	59,026	60,625	60,625	4,51,021	4,51,021	4,51,021
8. A. Forest capital outlay charged to Revenue—																
(a) Organization, improvements and extension of forests—																
A. Demarcation—Voted	..	..	27,845	17,237	11,570	12,628	12,628	12,628	17,601	11,369	11,369	16,252	16,252	1,14,502	1,14,502	1,14,502
Cost of Forest settlement, etc.	..	..	21,006	47,414	53,328	49,256	49,256	49,256	73,435	47,373	47,373	44,373	44,373	3,36,519	3,36,519	3,36,519
Total, (a) A. Voted	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
B. Sowing and planting	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
C. Other charges—Voted—																
Working plans	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other miscellaneous charges	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, (a) C. Voted	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, 8. A. (a)—Voted	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* Included with reference to the adjustment made by the Accountant-General in March 1934 final accounts

Summary of Expenditure of the different districts for the year 1933-34—cont.

Budget heads.		Direction.		Chittoor.		Vellore east.		Vellore west.		Salem north.		Salem central.		Salem south.		Total.
		Rs.		RS.		RS.		RS.		RS.		RS.		RS.		RS.
(b) Communications and buildings—																
A. Roads and bridges—																
Works in progress	..	..	..	..	..	..	173	..	565	..	1,037	..	..	..	..	738
New works	..	..	..	..	..	..	1,020	..	27	..	..	..	..	..	..	2,084
Total, (b) A.—Voted		..	..	..	..	..	1,020	..	592	..	1,037	..	..	..	..	2,822
B. Buildings—																
Works in progress	..	..	..	..	..	..	280	..	1,523	..	1,422	..	128	..	..	1,523
New works	..	..	..	..	..	..	143	..	100	..	..	..	..	..	..	2,053
Total, (b) B.—Voted		..	..	..	..	..	143	..	1,623	..	1,422	..	128	..	..	3,576
C. Other works—																
Works in progress	..	..	..	..	..	..	709	..	..	..	338	..	..	..	..	1,137
New works	..	..	..	..	..	..	799	..	..	..	..	..	..	..	..	1,137
Total, (b) C.—Voted		..	..	..	..	..	799	..	..	..	338	..	..	..	..	1,137
Total, S. A. (b) Communications and buildings																
(d) Live-stock, stores, tools and plant—																
B. Stores, tools and plant	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand total, S. A.																

FOREST DEPARTMENT

Summary of Expenditure of different districts for the year 1933-34—cont.

Budget heads.		Direction.		Kollegal.		Coimbatore, North.		Coimbatore, South.		Madura.		Tinnevely.		Tanjore.		Total.	
		RS.		RS.		RS.		RS.		RS.		RS.		RS.		RS.	
COMBATORE CIRCLE.																	
b. b. Conservancy Maintenance and Regeneration.																	
b. A. Forest produce removed by Government Agency—Voted—																	
Timber	..	..	..	254	180	29,506	536	..	..	..	..	..	..	..	..	30,478	345
Firewood and charcoal	..	..	..	..	..	..	336	..	..	..	..	9	..	..	..	..	345
Bamboos	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sandalwood	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grass and other minor produce	..	319	4,829	..	9,132	..	..	..	..	..	12	1,048	..	..	..	15,340	425
b. B. Timber and other produce removed from the forests by customers and purchasers.	..	..	5,917	8,311	2,814	11,608	..	..	..	..	..	6,580	263	..	..	35,493	425
b. C. 1. Feed and upkeep of cattle	..	..	..	..	..	14,436	..	..	..	..	..	..	..	..	..	14,436	1,475
b. C. 2. Renewals and replacements of stores, tools and plant	..	..	..	..	154	762	85	..	..	..	85	285	..	..	3	1,475	..
b. D. 1. Roads and bridges	..	..	4,287	8,324	9,867	10,006	..	..	..	..	..	3,879	..	..	..	36,363	..
b. D. 2. Buildings and other works—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Non-voted—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rates and taxes	..	..	..	38	56	105	240	..	..	..	..	78	..	..	..	517	..
Buildings	..	..	1,207	2,817	2,967	1,897	..	..	..	..	..	2,337	120	..	..	11,365	..
Other works	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
b. E. 1. Reforestation	..	..	133	770	1,396	123	..	..	..	..	..	63	..	..	..	1,750	..
b. E. 2. Fire protection	..	..	650	667	1,523	2,741	..	..	..	..	..	1,028	..	..	..	14,502	..
Voted—	..	..	..	..	..	..	..	..	..	..	..	354	..	..	..	5,935	..
Maintenance of boundaries	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other items	..	..	85	213	692	496	..	..	..	..	..	119	..	..	..	1,605	..
b. F. Other charges—	..	..	695	1,976	1,090	..	..	..	..	..	..	146	116	..	..	4,023	..
Non-voted—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rates and taxes	..	..	42	119	13	164	..	..	..	..	..	..	..	..	..	338	..
Voted—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Honoraria	..	..	..	..	..	100	44	..	..	..	..	242	..	..	..	388	..
Supplies and services	..	..	2	..	2	..	..	..	..	..	..	16	..	..	..	18	..
Miscellaneous	..	..	..	28	6,028	..	..	..	..	..	..	1	..	..	..	6,057	..
b. II. Suspense works advances ..	..	..	7	..	6	..	..	..	..	..	..	..	..	..	..	13	..
Total ..	..	415	18,298	33,280	82,550	29,016	16,805	502	1,80,864	..	..	..	..	..	..	..	..
c. A. 1. Pay of officers—																	
Non-voted ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Emergency deduction from pay ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Pay of officers—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Voted ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Emergency deduction from pay ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
c. A. 2. Pay of establishments—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Permanent ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Temporary ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Emergency deduction from pay ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

8. c. A. Establishments excluding Forest Panchayats.

Summary of Expenditure of different districts for the year 1933-34—cont.

Budget heads.	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevely.	Tanjore.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
COIMBATORE CIRCLE—cont.								
8. c. A. Establishments excluding Forest Panchayats—cont.								
c. A. 3. Allowances and honoraria—								
Non-voted—								
Travelling allowances ..	..	..	..	..	2,623	..	..	14,203
Cost of passages ..	..	..	..	..	2,633	..	..	2,633
Voted—								
Travelling allowances ..	..	..	..	..	4,122	..	..	..
Fixed travelling allowances ..	..	..	..	..	823	..	..	..
Other compensatory ..	..	..	..	..	2,390	..	..	..
Non-voted—								
Rates and taxes ..	..	..	..	..	1,927	..	..	..
Voted—								
Rest of Public Works Department buildings ..	..	..	..	..	461	..	..	..
Cost of passages ..	..	..	..	..	..	..	..	..
Pay of menials ..	..	..	..	..	..	..	..	..
Tour charges ..	..	..	..	..	..	..	..	..
Office expenses ..	..	..	..	..	..	..	..	..
Other charges ..	..	..	..	..	..	..	..	..
Deduct—Recoveries on account of rent of Public Works Department buildings ..	..	..	..	..	..	..	..	..
c. A. Supplies and services—								
Apparatus and materials ..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..
52. A. Forest Capital Outlay on Forests.								
b. Organization, improvements and extension of forests ..	..	..	..	..	..	..	..	..
b. A. Demarcation—Voted—								
b. B. Sewing and planting ..	..	..	..	..	..	..	..	..
b. C. Other charges—Voted—								
C. Communication of buildings—Voted—								
c. A. Roads and bridges—								
Works in progress ..	..	..	..	..	..	..	..	..
New works ..	..	..	..	..	..	..	..	..
c. B. Buildings—								
Works in progress ..	..	..	..	..	..	..	..	..
New works ..	..	..	..	..	..	..	..	..
c. C. Other works—								
Works in progress ..	..	..	..	..	..	..	..	..
New works ..	..	..	..	..	..	..	..	..
c. Livestock, stores, tools and plant ..	..	..	..	..	..	..	..	..
B. Stores, tools and plant ..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..

ANNUAL REPORT OF THE

FOREST DEPARTMENT

Summary of Expenditure of the different districts for the year 1933-34.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Mangalore North.	Mangalore South.	Wynad.	The Nilgiris.	Palghat.	Nilambur.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. b. Conservancy Maintenance and Regeneration.								
OOTACANUND CIRCLE.								
(A) Forest produce removed by Government Agency—Voted—								
Timber ..	..	..	..	..	..	..	..	..
Firewood and charcoal ..	..	..	..	..	..	..	..	..
Bamboos ..	..	..	..	..	..	..	..	..
Sandalwood ..	..	..	..	..	..	..	..	..
Grass and other minor produce ..	..	..	..	..	..	..	..	..
Total (A) ..	..	..	..	..	..	..	..	..
(B) Timber and other produce removed from forests by consumers and purchasers ..	..	..	..	..	..	..	..	..
(C) Feed and keep of cattle ..	..	..	..	..	..	..	..	..
Renewals and replacements of stores, tools and plant ..	..	..	..	..	..	..	..	..
Total (C) ..	..	..	..	..	..	..	..	..
(D) Roads and bridges ..	..	..	..	..	..	..	..	..
Buildings and other works ..	..	..	..	..	..	..	..	..
Rates and taxes—New—Voted ..	..	..	..	..	..	..	..	..
Buildings ..	..	..	..	..	..	..	..	..
Other works ..	..	..	..	..	..	..	..	..
Total (D) ..	..	..	..	..	..	..	..	..
(E) Regeneration ..	..	..	..	..	..	..	..	..
Fire protection ..	..	..	..	..	..	..	..	..
Other works ..	..	..	..	..	..	..	..	..
Maintenance of boundaries ..	..	..	..	..	..	..	..	..
Forest surveys ..	..	..	..	..	..	..	..	..
Total (E) ..	..	..	..	..	..	..	..	..
(F) Other charges ..	..	..	..	..	..	..	..	..
Rates and taxes—Non-voted ..	..	..	..	..	..	..	..	..
Voted—								
Grants to Nilgiris Game Association ..	..	..	..	..	..	..	..	..
Non-contract contingencies—Voted—Miscellaneous—Law charges ..	..	..	..	..	..	..	..	..
—Honoraria ..	..	..	..	..	..	..	..	..
Supplies and services ..	..	..	..	..	..	..	..	..
Miscellaneous ..	..	..	..	..	..	..	..	..
Total (F) ..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	..	..	..
Non-voted ..	..	..	..	..	..	..	..	..
Voted ..	..	..	..	..	..	..	..	..

Summary of Expenditure of the different districts for the year 1933-34—cont.

Account heads (major, minor and sub-heads and units of appropriation).

Direction.	RS.	Mangalore North.	RS.	Mangalore South.	RS.	Wynad.	RS.	The Nilgiris.	Palghat.	RS.	Nilambur.	Total.	RS.
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Pay of officers—Non-voted—

1. Pay excluding passage pay	20,550	8,300	13,184	12,134	10,800	18,242	14,070	1,03,860
Deduct—Emergency cut ..	1,650	663	763	917	845	1,092	1,128	6,908
Pay of officers—Voted ..	4,800	1,403	63	20,953	5,100	14,118	6,967	53,403
Deduct—Emergency cut ..	40	63	..	170	..	115	40	458
Total ..	29,760	9,036	12,401	32,000	15,055	31,116	20,473	1,49,848

Pay of officers—Voted—

Permanent	9,070	37,684	30,080	51,166	38,978	33,085	30,117	2,31,060
Deduct—Emergency cut ..	22	469	1,014	3,603	397	2,158	3,463	11,696
Temporary	54	125	87	290	133	112	136	937

Allowances—Non-voted—

Cost of passages	9,938	38,028	31,587	54,479	38,212	35,181	33,444	2,41,819
Travelling allowance	2,633	2,013	2,575	1,086	2,138	3,940	2,413	17,717
Fixed travelling allowance	3,360	2,983	3,484	9,076	4,014	7,941	2,911	33,769
Other compensatory	1,514	2,102	2,019	3,021	1,779	1,860	1,787	12,367

8. S. A. (4) Contingencies—Voted—

Non-voted ..	7,512	7,617	8,498	14,485	12,448	13,706	7,631	71,897
Voted ..	143	60	36	..	207	27	..	479
Rents of Public Works Department buildings	1,035	372	492	1,104	2,855	840	..	6,098
Service postage and telegram charges	900	365	1,204	1,188	680	800	602	4,459
Pay of menials ..	48	117	24	180	62	402	300	1,133
Office expenses ..	733	378	342	65	167	709	16	1,780
Minor charges ..	78	178	36	384	413	377	150	1,206
Deduct—Recoveries on account of Public Works Department buildings.	84	148	243	138	60	384	660	1,717
Total ..	3,081	2,094	2,377	2,909	3,747	2,601	1,788	18,597

8. S. A. (5) Supplies and services—Voted—

Forest College	40	88	88	4	272	122	64	684
Other supplies and services	33	1	19	..	..	..	..	53
Total ..	79	89	107	4	272	122	64	737
Grand total ..	50,370	56,864	54,970	1,03,877	70,734	82,676	63,404	4,82,896
Non-voted ..	27,781	9,713	15,050	13,203	12,300	21,119	15,968	1,15,135
Voted ..	22,589	47,151	39,920	90,674	58,434	61,557	47,436	3,76,761

Summary of Expenditure of the different districts for the year 1933-34—cont.

Account heads (major, minor and sub-heads and units of appropriation).

Direction.	RS.	Mangalore North.	RS.	Mangalore South.	RS.	Wynad.	RS.	The Nilgiris.	Palghat.	RS.	Nilambur.	Total.	RS.
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OOTACAMUND CIRCLE—cont.

8. A. Capital Outlay on Forests.

52. A. (a) Organization—
Improvement and extension of forests
A. Delineation—Voted—Delineation cost of forest settlement and compensation for lands and rights.

..	..	..	381	..	39	..	14	..	..	..	..	..	329
Total, (a) A—Voted ..	..	..	381	..	39	..	14	..	..	..	..	..	329

B. Sowing and planting
Other charges—Voted—Working plans
Other miscellaneous charges ..

..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, (a) C—Voted ..	..	..	..	..	..	..	..	..	..	..	..	..	..

(b) Communications and buildings—

A. Roads and bridges— New works ..	..	..	..	..	..	..	..	..	..	..	..	..	..
B. Buildings ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Works in progress ..	..	..	..	..	..	..	..	..	..	..	..	..	..
C. New works ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other works ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Works in progress ..	..	..	..	..	..	..	..	..	..	..	..	..	..
New works ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total—b—Voted ..	..	..	..	..	..	..	..	..	..	..	..	..	..

(c) Railways and tramways—

(a) Livestock, stores, tools and plant— A. Purchase of livestock ..	..	..	..	..	..	..	..	..	..	..	..	..	..
B. Stores, tools and plant ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, S. A. (d)—Voted ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total, S. A. ..	..	..	..	..	..	..	..	..	..	..	..	..	..

FORM No. 39.

Summary of Expenditure for the year 1933-34.

8. a. Forest General Direction.

	RS.
A. Pay of officers—Non-voted	45,516
<i>Deduct</i> —Emergency cut	— 2,858
B. Pay of Establishments—Voted	28,658
<i>Deduct</i> —Emergency cut	— 210
C. Clothing and Equipment—Voted	19,626
D. Charges payable to Governments, Departments and others—Voted	..
Payment in respect of training of Forest probationers	..
E. Other charges	..
Non-voted—	
Travelling allowances (including cost of passages)	5,164
Other compensatory	163
Rates and taxes	304
Voted—	
Allowances	1,467
Rents	3,552
Books and periodicals	2,298
Service postage and telegrams	1,549
Other charges	2,317
Total	1,07,546
Non-voted	48,289
Voted	59,257

Summary of Expenditure of the different districts for the year
1933-34.

Summary of Expenditure of the different

Budget heads.	Waltair Circle.	Bellary Circle.	Working Plans Circle.	Salem Circle.	Columbatare Circle.
(1)	(2)	(3)	(4)	(5)	(6)
	RS.	RS.	RS.	RS.	RS.
A. Forest produce removed by Government Agency—Voted—					
Timber ..	18,118	6,551	..	556	30,475
Firewood and charcoal ..	331	76	..	..	345
Bamboos ..	..	179	..	..	..
Sandalwood ..	2	13	..	33,135	15,341
Grass and other minor produce ..	6,309	..	..	7	425
B. Timber and other produce removed from the forests by consumers or purchasers	41,450	39,764	..	40,763	35,494
C. 1. Feed and upkeep of cattle ..	1,175	1,730	..	26	14,436
C. 2. Renewals or replacements of stores, tools and plant ..	6,822	471	163	596	1,475
D. 1. Roads and bridges ..	7,075	10,242	..	14,327	36,363
D. 2. Buildings and other works—Non-voted—					
Rates and taxes ..	618	958	..	1,269	517
Voted—					
Buildings ..	15,318	11,529	7	14,730	11,364
Forest College ..	..	..	..	..	..
Other works ..	477	324	..	610	1,750
E. 1. Regeneration ..	6,007	3,665	..	6,653	14,501
E. 2. Fire protection ..	7,625	8,670	..	5,144	5,936
E. 3. Other works—Voted—					
Maintenance of boundaries ..	3,615	1,025	..	808	1,605
Forest Surveys ..	..	595	..	..	..
F. Other charges—Non-voted—	6,619	378	..	129	4,023
Voted—					
Rates and taxes ..	126	..	..	..	338
Transfer of licence fees to the Nilgiris Game Association ..	..	..	..	..	..
Honoraria ..	152	225	..	502	388
Supplies and services ..	..	223	..	2,512	18
Miscellaneous ..	6,830	163	..	116	6,057
H. Suspense—Works—Advances	..	..	..	..	13
Total ..	1,23,669	81,783	156	1,21,883	1,80,864

FOREST DEPARTMENT

districts for the year 1933-34.

Ootacamund Circle.	Forest Engineer.	Forest Utilization Officer.	Principal, Forest College.	Chenchu Officer.	Chief Conservator of Forests.	Total.
(7)	(8)	(9)	(10)	(11)	(12)	1933-34. 1932-33.
DITURE.						(13) (14)
and Regeneration.						
RS.	RS.	RS.	RS.	RS.	RS.	RS.
1,98,748	..	27	..	..	..	2,54,475 3,51,582
12,288	..	..	..	..	..	13,040 12,210
10,152	..	..	..	..	..	10,331 5,824
8,654	..	..	..	..	..	57,145 60,303
1,917	..	..	..	..	..	8,558 7,705
12,901	..	..	..	..	..	1,70,462 1,75,483
56,967	..	..	..	..	..	74,334 82,073
4,088	232	..	..	..	894	14,741 21,044
21,888	..	..	..	..	..	89,895 90,676
967	..	..	108	..	..	4,437 4,299
12,102	..	..	..	411	..	65,447 59,446
849	..	..	3,560	..	..	3,560 3,398
34,080	..	..	..	..	..	4,010 3,348
13,355	..	..	..	..	..	64,906 61,967
3,595	..	..	..	..	..	35,730 39,164
1,484	..	..	..	..	8,764	10,648 7,472
..	..	..	..	..	..	9,359 11,276
..	..	..	..	..	..	12,633 9,414
1,066	..	1	..	..	..	1,531 1,826
4,491	..	..	..	..	..	4,491 3,830
21	..	..	..	..	..	1,288 1,188
209	..	..	..	..	..	2,962 5,567
2,835	882	357	..	..	..	17,242 19,479
718	936	..	..	..	..	1,641 259
4,01,929	178	385	3,668	411	9,658	9,29,584 10,38,315

Summary of Expenditure of the different

Budget head. (1)	Waltair Circle. (2)	Bellary Circle. (3)	Working Plans Circle. (4)	Salem Circle. (5)	Colimba- tore Circle. (6)
EXPENDITURE					
<i>Actuals 1933-34 S. C. S. District</i>					
A. 1. Pay of officers—					
Non-voted ..	86,701	77,179	12,083	1,07,628	94,383
Deduct emergency cut ..	5,214	4,286	917	6,192	5,877
Pay of officers—					
Voted ..	37,371	28,745	1,925	27,614	27,499
Deduct emergency cut ..	277	248	..	291	255
2. Pay of establishments—					
Permanent ..	2,46,329	2,39,958	11,897	2,28,761	2,13,925
Deduct emergency cut ..	11,266	4,057	176	9,287	5,067
3. Allowances and honoraria—					
Non-voted ..	1,327	1,103	79	909	905
Travelling allowance ..	13,082	11,386	3,727	11,898	14,202
Cost of passages ..	3,360	..	2,270	..	2,533
Voted ..	33,610	23,483	3,753	22,645	23,951
Travelling allowance ..	10,505	10,358	565	9,752	10,099
Other compensatory ..	4,096	4,903	601	2,970	4,166
Fees to examiners for Forest College examinations ..	..	..	..	..	..
4. Contingencies—					
Non-voted ..	..	..	..	..	..
Rates and taxes ..	3,750	1,825	94	1,168	2,117
Voted ..	13,770	9,760	..	16,225	10,524
Rents of Public Works Department buildings ..	7,284	5,943	550	6,201	5,258
Service postage and telegram charges ..	1,879	2,482	..	1,236	2,006
Pay of menials ..	4,475	4,851	351	3,599	2,810
Tour charges ..	2,284	1,706	101	1,941	2,563
Office expenses ..	1,399	2,180	255	1,779	1,020
Deduct recoveries of rents of Public Works Department buildings ..	4,854	2,475	..	6,377	3,311
5. Supplies and services—					
Voted ..	1,476	1,034	..	882	704
Apparatus and materials ..	..	..	..	..	..
Forest College Horti-Agricultural operations ..	33	..	6,751	1	33
Other supplies and services ..	..	..	..	..	..
Charges payable to Governments, Departments and others—					
Subsidy payable towards the cost of the staff employed by the Indian Institute of Science, Bangalore, for investigation of spike disease in sandalwood ..	..	..	..	6,378	..
Contribution payable to Government of India for entomological investigation of spike disease in sandal ..	..	..	..	4,803	..
Total ..	4,71,007	4,19,738	44,103	4,50,999	4,12,492

districts for the year 1933-34—cont.

Ootaca- mund Circle. (7)	Forest Engineer. (8)	Forest Utilization Officer. (9)	Principal Forest College. (10)	Chenchu Officer. (11)	Chief Conservator of Forests. (12)	Total.	
						1933-34. (13)	1932-33. (14)
—cont.							
• Establishments—Excluding Forest Panchayats.							
1,03,869	12,061	17,357	22,469	..	3,438	5,37,16	4,40,619
6,968	913	940	1,492	..	84	32,883	48,026
53,403	..	10,816	22,460	..	..	2,07,833	1,94,094
458	..	67	155	..	..	1,751	18,920
2,31,059	5,004	3,502	29,233	..	..	12,09,668	11,47,017
11,695	1,392	5,150	2,239	14,679	..	65,008	35,184
936	35	42	82	30	..	5,448	53,889
17,716	3,594	1,096	2,182	..	..	78,883	62,123
39	..	..	2,684	..	1,680	12,566	7,870
33,769	2,013	3,014	6,863	1,300	..	1,54,401	1,25,725
12,363	330	..	..	..	..	53,977	50,688
8,006	180	674	..	180	..	25,776	24,095
..	..	..	855	..	..	855	..
478	..	130	18	..	..	9,569	10,207
6,698	2,628	1,500	..	..	..	61,105	57,403
6,459	202	700	498	200	..	33,295	31,442
1,133	60	90	1,955	..	..	10,841	..
1,780	375	88	1,266	639	..	20,234	16,877
1,206	136	277	290	13	..	10,517	16,900
1,717	..	102	2,646	121	..	11,219	8,137
874	972	..	..	..	..	18,883	16,823
684	96	..	2,131	563	..	7,570	4,617
53	..	..	1,473	5,944	..	1,473	..
..	..	..	661	..	..	13,476	..
..	..	..	..	..	..	6,378	..
..	..	..	..	..	..	4,803	..
4,82,896	28,151	43,447	98,194	23,609	5,034	24,77,670	20,95,340

Actuals 1933-34—52. A. f. Establishments—Working Plans Circle.

	1933-34.	1932-33.
	RS.	RS.
Pay of officers—Non-voted	73,184	72,698
Deduct emergency cut	4,333	7,940
Pay of officers—Voted	23,498	24,971
Deduct Emergency cut	190	2,497
B. Pay of Establishments—Voted	55,826	58,901
Deduct emergency cut	304	715
	—	3,450
C. Other charges—		
Non-voted—		
Travelling allowances (including cost of passages)	11,745	12,315
Voted—		
Travelling allowances	16,421	16,324
Fixed travelling allowances	4,700	5,591
Other compensatory	2,901	3,015
Contingencies	7,407	5,947
Supplies and services	526	1,190
Total	1,91,381	1,87,780

Actuals 1933-34—52. A. Capital Outlay on Forests.

Actuals 1933-34—52. A.

Budget heads. (1)	Waltair Circle. (2)	Bellary Circle. (3)	Working Plan Circle. (4)	Salem Circle. (5)
a) Forest Surveys.				
(b) Organization, improvements and extension of forests—	RS.	RS.	RS.	RS.
A. Demarcation—Voted—				52-A. Capital
Demarcation	2,940	..	..	52
B. Sowing and planting	3,365	..	..	..
C. Other charges—Voted—	474	..	11,429	..
Working plans	..	..	..	..
Other miscellaneous charges	..	..	..	..
52 A. b. Total ..	6,779	..	11,429	52
(c) Communications and buildings—Voted—				
A. Roads and bridges—				
Works in progress	1	..	..	737
New works	2,433	558	..	2,083
B. Buildings—				
Works in progress	1,385	4,230	..	1,523
New works	2,537	848	..	2,054
C. Other works—				
Works in progress	101	160	..	1,138
New works	393	509	..	..
52 A. c. Total ..	6,850	6,305	..	7,535
d) Railways and tramways	..	..	..	..
e) Live-stock, stores, tools and plant—				
A. Purchase of live-stock	..	..	21	..
B. Stores, tools and plant	556	69	276	309
52 A. e. Total ..	556	69	297	309
f) Loss or gain by exchange	..	..	..	..
Investments on Government commercial undertakings	..	..	..	..
Grand Total ..	14,185	6,374	11,726	7,896

Capital Outlay on Forests.

Coimbatore Circle. (6)	Ootacamund Circle. (7)	Forest Engineer. (8)	Chenchu. (9)	Total.	
Outlay on Forests. RS.	RS.	RS.	RS.	1933-34. (10)	1932-33. (11)
524	329	..	..	RS.	RS.
361	..	..	..	3,845	2,526
1,202	..	..	..	3,726	4,811
2,087	329	..	..	11,903	13,606
209	63	3,004	..	1,202	596
1,937	1,715	..	..	20,676	21,629
12	814	..	..	4,014	12,300
3,648	1,534	..	..	8,726	4,324
96	14	..	..	7,964	5,258
514	1,262	..	426	10,621	8,773
6,416	5,374	3,004	..	769	696
..	..	..	426	3,816	3,648
..	..	..	..	35,910	35,098
13	1,484	..	..	..	425
808	1,343	1,213	..	1,492	1,336
795	2,827	1,213	..	4,574	9,728
..	..	..	..	6,066	11,064
9,298	8,530	4,217	426	..	..
				62,852	68,802
				133	..

Actuals 1933-34—

	Budget heads	Waltair Circle.	Bellary Circle.	Working Plan Circle.	Salem Circle.	Coimbatore Circle.	Ootacamund Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Receipt of this Presidency		..	..	..	..	..	Presidency
Receipts in England		..	..	..	..	..	
Total receipts		..	..	..	..	..	
Expenditure—							
(A) General Direction—Chief Conservator's office		..	..	..	..	..	
(B) Conservancy, etc.		..	..	..	..	..	
(C) District establishments		..	..	..	..	..	
(D) Losses in Government commercial undertakings		..	..	..	..	..	
(E) Loss by exchange		..	..	..	..	..	
52-A capital outlay on forests—		..	..	..	..	..	
(a) Forest surveys		..	..	..	..	..	
(b) Organization		..	..	..	..	..	
(c) Communications and buildings		..	..	..	..	..	
(d) Railways and tramways		..	..	..	..	..	
(e) Live-stock, stores		..	..	..	..	..	
(f) Establishments—		..	..	..	..	..	
Working Plan Circle		..	..	..	..	..	
(g) Investments in commercial undertakings		..	..	..	..	..	
(h) Write back of capital account		..	..	..	..	..	
(I) Deduct—English cost of stores		..	..	..	..	..	
(K) Expenditure in England		..	..	..	..	..	
Grand Total		..	..	..	..	..	
Surplus		..	..	..	..	..	

Presidency abstract.

Forest Engineer.	Forest Utilization Officer.	Parlakimidi Malaias.	Goconda Agency.	Forest College.	Provincial Sylviculturist.	Chenchu officer.	Chief Conservator.	Total.	
								1933-34.	1932-33.
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
								RS.	RS.
..	..	..	..	..	..	..	..	39,43,068	47,38,129
..	..	..	..	..	..	..	..	..	40
..	..	..	..	..	..	..	..	39,43,068	47,38,169
..	..	..	..	..	..	..	..	1,07,546	98,227
..	..	..	..	..	..	..	..	9,29,584	10,38,315
..	..	..	..	..	..	..	..	24,77,670	23,26,413
..	..	..	..	..	..	..	..	..	1,92,763
..	..	..	..	..	..	..	..	- 133	..
..	..	..	..	..	..	..	..	20,676	21,620
..	..	..	..	..	..	..	..	35,910	35,098
..	..	..	..	..	..	..	..	..	425
..	..	..	..	..	..	..	..	6,066	- 11,064
..	..	..	..	..	..	..	..	1,91,381	1,87,780
..	..	..	..	..	..	..	..	..	- 6,68,862
..	..	..	..	..	..	..	..	..	4,09,753
..	..	..	..	..	..	..	..	1,51,640	1,59,853
..	..	..	..	..	..	..	..	39,20,340	37,89,150
..	..	..	..	..	..	..	..	22,728	9,49,019

Revenue received and outstandings on account of revenue during the year 1933-34.

District.	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.
		RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
WALTAR CIRCLE.						
Direction ..	Timber and other produce	14,223 8 0	9,012 0 0	9,012 0 0	9,912 0 0	11,117 12 6
Ganjam ..	Do.	98,592 4 6	34,564 3 4	1,12,815 12 6	1,01,698 0 0	282 1 4
Parlakimeti ..	Do.	196 14 0	61,092 7 0	34,761 1 4	34,629 0 0	15,283 7 0
Vizagapatam ..	Do.	35 0 0	72,317 11 6	61,037 7 0	46,804 0 0	11,518 2 6
Godavari Upper ..	Do.	7,184 7 0	2,85,397 18 4	78,532 2 6	85,014 0 0	56,097 10 4
Do. Lower ..	Do.	11,719 2 0	99,677 10 0	3,00,086 10 4	2,43,389 0 0	56,097 10 4
Guntur ..	Do.	16,590 2 0	1,20,067 2 10	1,16,267 12 0	1,06,783 0 0	9,484 12 0
Nellore ..	Do.	67,838 0 0	1,20,067 2 10	1,87,903 2 10	1,25,245 0 0	62,660 2 10
Total ..		1,47,787 1 0	7,84,530 15 6	9,02,318 0 6	7,35,374 0 0	1,66,944 0 6
Billary Circle.						
Direction ..	Timber and other produce	30,237 12 3	86 5 0	86 5 0	86 5 0	70,545 6 0
Anantapur ..	Do.	150 0 0	61,868 1 10	2,37,853 2 7	1,58,307 12 7	2,813 12 0
Kurnool, East ..	Do.	31,008 12 9	1,15,383 6 0	62,018 1 10	59,204 5 10	40,878 3 0
Do. South ..	Do.	5,890 1 0	1,63,970 13 2	1,64,870 14 2	96,265 6 9	33,361 15 0
Do. West ..	Do.	10,993 2 0	81,837 3 10	1,01,830 5 10	1,31,498 15 2	18,277 13 0
Cuddapah, North ..	Do.	36,769 4 0	72,232 6 7	1,09,061 10 7	83,552 8 10	22,925 11 6
Do. South ..	Do.	1,33,999 0 0	6,88,943 10 9	8,22,042 14 9	36,375 12 1	2,03,502 15 6
Total ..		1,33,999 0 0	6,88,943 10 9	8,22,042 14 9	6,18,291 2 3	2,03,502 15 6
			(c) — 358 0 0		(a) 248 9 0	
					(c) — 358 0 0	
						6,17,933 0 0

Note for Bellary Circle—

- (a) Written off from the accounts.
(b) Out of this amount, the sum of Rs. 1,95,192-10-0 falls due after 31st March 1934.
(c) Adjusted to the accounts of Public Works Department by the Accountant-General.

[illegible]

Note for Salem Circle—
(a) Relates to other Circles.

- (a) Relates to other Circles.

COINBATORE CIRCLE.																			
				Timber and other forest produce.															
Kollegal	..	..	..	17,964	0	0	1,23,844	11	0	1,41,808	11	0	(a)	1,29,711	0	0	12,097	11	0
Coinbatore, North	..	..	..	93,530	4	10	1,68,710	6	4	2,62,240	11	2	(b)	1,69,904	0	0	92,636	11	2
Do. South	..	..	..	42,012	13	3	2,52,843	8	8	2,94,856	5	0	(e)	1,97,759	0	0	97,007	5	11
Madura	..	..	..	30,132	7	3	1,57,999	4	3	1,88,131	11	6		1,50,323	0	0	37,808	11	6
Tinnevely	..	..	..	33,408	9	9	1,37,822	12	7	1,71,231	6	4	(c)	1,38,882	0	0	32,549	6	4
Tanjore	..	..	..	..	..	..	14,866	0	0	14,866	0	0		14,866	0	0	..	..	..
Total	..	..	..	2,17,048	3	1	8,45,086	10	10	10,82,134	13	11	(f)	8,11,700	0	0	2,61,187	13	11
														10,815	0	0			

Note for Coimbatore Circle—

- for Coimbatore Circle—*
- (a) Includes Rs. 300 realized in the Salem Circle.
 - (b) Excludes Rs. 16,855 relating to the Ootacamund Circle.
 - (c) Includes Rs. 6,000 realized in the Salem Circle.
 - (d) Of this a sum of Rs. 52,407-1-8 was overdue on 31st March 1934 as shown below:—

	RS.	A.	P.
Kolleral	..	..	..
Coimbatore	..	..	..
Do.	..	..	..
Madura	..	..	..
Tinnevely	..	..	..
Total	52	17	18

- (e) Excludes Ps. 266 relating to the Octacamund Circle.
(f) Vide details given in (a) to (e) above.

[illegible]

*Note for Oolacmund Circle—
(a) In...*

(a) Includes Rs. 16,835 realized in Coimbatore North Division being sale proceeds of sandalwood.
(b) Out of this a sum of Rs. 4,274-7-0 has been adjusted by the Accountant-General in 1933-34 and
(c) Out of this a sum of Rs. 14,517-7-1 fell due within the year.

ANNUAL FORM No. 42.

Forest Department, Madras Presidency.

Financial Results for the year 1933-34.

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.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
WALTAIR CIRCLE.							
Ganjam ..	10,632	7,528	91,407	85,585	41,435	1,02,039	1,34,548
Parlakimedi Maliahs. ..	3,345	2,128	31,191	35,040	3,959	34,536	41,127
Vizagapatam ..	4,979	7,900	50,739	40,141	9,899	55,718	57,940
Godavari, Upper ..	23,969	19,810	44,056	52,476	23,342	68,025	95,628
Do. Lower ..	3,178	5,509	2,40,637	1,05,547	25,260	2,43,815	1,36,316
Guntur ..	354	1,137	1,06,496	67,503	5,046	1,06,850	73,686
Nellore ..	8,016	11,529	1,17,462	53,819	9,266	1,25,478	74,014
Total ..	54,473	55,541	6,81,938	4,40,111	1,18,207	7,36,461	6,13,859
						(a) 1,087	
						7,35,374	

Note for Waltair Circle—

Note for Waltair Circle—
(a) Represents refunds.

BELLARY CIRCLE.									
Anantapur ..	(a)	26	1	1,58,293	44,891	14,833	1,58,319	50,725	
Kurnool, East ..		2,241	870	56,977	54,414	20,066	59,218	75,350	
Do. South ..		11,920	3,242	87,359	57,093	20,468	92,279	80,803	
Do. West ..		3,056	1,527	1,28,460	73,944	26,276	1,31,516	1,01,747	
Cuddapah, North ..		452		83,117	69,119	23,733	83,569	92,852	
Do. South ..	(b)	5,583	1,180	80,975	72,660	23,572	86,553	97,418	
Total ..		23,278	6,820	5,95,181	3,72,127	1,28,948	6,18,459	5,07,895	
							(c). 358		

Note for Bellary Circle—

(a) Includes the sum of Re. 1 being the sale of sandalwood realized in Vellore division.
(b) Includes the sum of Rs. 167 being the sale of sandalwood realized in Vellore division.
(c) Also includes Rs. 358 transferred to the Public Works Department.
(d) Vide details in (b) and (c) above.

SALEM CIRCLE.									
Chittoor	..	1,919	1,366	85,412	71,935	21,117	87,331	94,471	
Vellore, East	..	40,202	2,611	1,01,880	76,797	10,659	2,02,082	90,061	
Do. West	..	31,600	7,008	69,803	65,342	12,796	98,045	85,646	
Salem, North	..	2,06,905	46,915	44,591	50,930	(b) 36,161	2,51,496	1,40,000	
Do. Central	..	52,751	6,899	1,21,432	67,208	12,096	1,74,213	(c) 86,205	
Do. South	..	12,563	4,293	1,17,561	71,332	8,772	1,30,126	84,402	
Total	.. (a)	3,45,942	69,097	5,97,714	4,10,044	1,01,861	9,43,656	5,80,802	
						(c)	— 11,202	— 24	
Net ..							9,32,454	5,80,773	

Note for Salem Circle—

(a) Excludes Rs. 11,047 of sandalwood revenue relating to other circles.
(b) Includes Rs. 11,181 spent on the investigation of spike.
(c) Refunds.

The figures in this return agree with Form No. 39.

Financial Results for the year 1933-34—cont.

District.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvements of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.
	RS.	RS.	RS.	RS.		RS.	RS.
COIMBATORE CIRCLE.							
Kollegal ..	62,729	9,789	66,982	60,815	13,308	1,29,711	83,912
Coimbatore, North ..	50,768	16,485	1,18,836	89,077	34,182	1,69,604	1,30,744
Do. South ..	1,20,984	75,408	76,795	50,123	46,619	1,97,759	1,72,150
Madura ..	2,797	1,818	1,47,526	93,894	28,014	1,50,323	1,28,726
Tinnevely ..	7,983	2,283	1,30,694	69,760	12,603	1,38,682	84,646
Tanjore ..	..	..	14,866	2,215	259	14,866	2,474
Total ..	2,45,246	1,05,783	5,55,699	3,61,884	1,34,925	(a) 8,00,945	6,02,652

Note for Coimbatore Circle—

Total as per Form No. 39 RS. 8,11,759
 Add Revenue relating to this circle realized in Salem Circle 6,307

8,18,066

Deduct Revenue relating to Ootacamund Circle realized in this circle 17,121

(a) 8,00,945

OOTACAMUND CIRCLE.

Mangalore, North ..	15,086	53,083	36,952	4,743	30,272	52,038	88,098
Do. South ..	65,950	1,15,085	25,228	2,835	14,856	91,208	1,32,776
Wynad ..	1,48,984	1,94,492	20,286	6,092	30,330	1,69,270	2,30,964
Nilambur ..	3,03,476	1,62,935	14,142	4,011	31,287	3,17,618	1,98,233
Nilgiris ..	64,619	84,890	34,564	2,696	31,013	99,183	1,18,599
Palghat ..	10,446	58,962	77,529	29,204	39,503	87,975	1,27,669
Total ..	6,08,591	6,69,447	2,08,701	49,574	1,77,311	(a) 8,17,292	(b) 8,96,339
						(c) + 4,833	— 3,004
							8,93,335

Note for Ootacamund Circle—

(a) Includes Rs. 16,855 pertaining to Nilgiris division being sale-proceeds of sandalwood realized in Coimbatore North division not included in Form No. 39.

(b) Rs. 3,004 pertaining to Nilambur division being expenditure incurred by Forest Engineer deducted as the latter has taken it into account.

(c) Represents amount realized in Salem Circle not taken into account.

Abstract—						1,153	2,47,366
Working Plans ..	..	..	..	..	..	6,836	30,546
Forest Engineer ..	..	..	..	..	..	344	43,832
Forest Utilization Officer ..	..	..	..	..	..	24,968	1,01,862
Forest College ..	..	..	..	..	..	753	1,22,233
Chief Conservator ..	..	..	..	..	..	..	1,51,640
Expenditure in England ..	..	..	..	..	..	..	— 133
Loss or gain by exchange ..	..	..	..	..	..	..	24,446
Chenchu Officer ..	..	..	..	..	..	..	..
Total for the Presidency ..						39,43,068	39,20,340

ANNUAL FORM No. 43.

Forest Department Madras Presidency.

PART I.

Statement of Live stock (1. Elephants and 2. Other livestock) during 1933-34.

District.	On hand at commencement of year.		Number received during the year.	Number disposed of during the year.	On hand at end of year.		Total expenditure on maintenance during the year.
	Number.	Value.			Num. ber.	Value.	
(1) ELEPHANTS.*							
Wallair Circle.							
Parlakimedi Maliahs	..	..	2	..	2	3,000	479 0 0
Godavari Upper †	..	2	7,329	..	2	..	(a) 344 0 0
Godavari Lower ‡	..	1	2,500	1	..	2	(b) 275 0 0
Total ..	3	9,829	3	2	4	6,200	1,098 0 0
(2) OTHER LIVESTOCK.							
Nellore	1	45	..	..	1	45	49 0 0
							(a) 28 0 0
Bellary Circle.							
Kurnool, West	2	4,000	..	..	2	4,000	738 5 0
	..	..	..	..	..	..	(a) 972 0 0
Total	..	..	..	..	..	..	1,710 5 0
Salem Circle—Nil.							
Bellary Circle.							
Buffaloes.							
Anantapur	2	81	..	..	2	81	20 0 0
Total	..	..	..	..	..	..	20 0 0
Grand total of 1 and 2	..	..	..	..	..	..	1,730 5 0
Salem Circle.							
Chittoor	1	(a) 1	..	1 A	..	..	26 0 0
Coimbatore Circle.							
Coimbatore, South	18	50,800	..	..	18	50,800	14,436 0 0
Coimbatore Circle—Nil.							
Ootacamund Circle.							
Mangalore, North	..	..	2	2	..	..	707 4 0
Do. South	13	32,700	2	4	11	27,000	10,063 12 0
Wynad	34	74,675	5	6	33	70,275	21,343 0 0
Nilambur	19	61,500	4	2	21	55,800	15,373 3 10
The Nilgiris	5	12,000	5	2	8	17,950	3,851 12 6
Total ..	71	1,80,875	18	16	73	1,71,025	51,339 0 4
							+ 1,347 0 0

* Elephants Bhanu and Sowria transferred from Ootacamund circle—Vide C.C.P. No. 445, dated 10th October 1933.

† Transferred to the Executive Engineer, Koraput division.

‡ Value of elephant received is Rs. 700.

(a) Excludes Rs. 235 transferred to the Revenue Department and Rs. 81 debited to pay of establishment—Voted—Permanent.

(b) Excludes Rs. 353 being pay and travelling allowance of establishment.

(c) Cost of rations supplied to Elephants enroute.

Note for Bellary Circle—

* Pay of establishments.

Note for Salem Circle—

(A) Sold in auction for Rs. 24 on 30th June 1933.

Note for Ootacamund Circle—

(a) 21 Buffaloes and 2 bulls.

(b) Buffaloes.

(c) 18 Buffaloes and 2 bulls.

Statement of Livestock (1. Elephants and 2. Other livestock)
during 1933-34—cont.

District.	On hand at commencement of year.		Number received during the year.	Number disposed of during the year.	On hand at end of year.		Total expenditure on maintenance during the year.
	Number.	Value.			Number.	Value.	
		RS.				RS.	RS. A. P.
OOTACAMUND CIRCLE—cont.							
(2) OTHER LIVESTOCK.							
Wynad ..	1	172	1	..	..	..	46 0 0
Nilambur ..	18	1,245	..	2	16	940	2,941 5 2
The Nilgiris ..	4	350	..	..	4	310	1,294 0 1
Total ..	23	1,767	..	3	20	1,250	4,281 5 3
Grand total ..	..	..	..	..	..	..	56,987 0 0
ELEPHANTS.							
Total Presidency ..	94	2,45,504 (D)	21 (B)	18	97	2,32,025	69,930 5 4
OTHER LIVESTOCK.							
Total Presidency ..	27	1,908	..	4	23	1,376	4,404 5 3
Total ..	121	2,47,412	21	22	120	2,33,401 (A)	74,334 10 7

(A) Includes the value of provisions remaining in stock at the close of the year.

(B) 2 were transferred to the Executive Engineer, Koraput Division; 3 were sold and the remaining 13 are interdivisional transfers.

(D) 5 were new captures; 3 calves were born and the remaining 13 are interdivisional transfers within the Presidency.

PART II.

Elephants gone off the list during the year 1933-34.

District.	Names.	When purchased or otherwise obtained by Government.	Age.	How disposed of.
Waltair Circle.				
Godavari, Upper.	Saraswati ..	Transferred from the Revenue Department on 7th February 1928.	55	Transferred to the Executive Engineer, Koraput division, on 19th June 1933.
Chenchalpeari.	Purchased on 20th November 1929 ..	..	33	Do.
Coimbatore Circle.				
Coimbatore South—Nil.				
Ootacamund Circle.				
Mangalore, North.	Chamundi ..	Captured on 4th February 1900 ..	40	Transferred to Mangalore South division on 10th January 1934.
Mangalore, South.	Devamaji ..	Purchased on 3rd February 1926 ..	32	Do.
	Devamaji ..	Do. ..	32	Transferred to Mangalore North division on 31st August 1933.
Wynad ..	Chamundi ..	Captured on 4th February 1900 ..	40	Do.
	Cacuar ..	Do. 12th December 1910 ..	33	Do.
	Chandramathi ..	Do. 22nd February 1927 ..	51	Do.
	Forester ..	Captured on 1st May 1908 ..	34	Transferred to the Nilgiris division.
Suguna ..	Do.	9th December 1907 ..	35	Do.
	Bhanu ..	Do. 7th May 1927 ..	15	Transferred to Parlakimedi division.
Souria ..	Do.	28th March 1930 ..	13	Do.
	Sakuntala ..	Do. 1st March 1931 ..	17	Transferred to Lower Godavari division.
Sivarama ..	Born to Melathy on 10th December 1931.	..	2	Sold.
Nilambur ..	Susheela ..	Captured on 22nd December 1933 ..	5	Do.
The Nilgiris ..	Rajkumar ..	Do. 19th January 1934 ..	3	Do.
	Kamakshi ..	Captured on 11th April 1914 ..	34	Transferred to Wynad division.
	Shanker ..	Do. 19th January 1926 ..	26	Transferred to Nilambur division.

ANNUAL FORM No. 44.

Forest Department—Madras Presidency.

Abstract showing the value of stores, tools and plant for 1933-34.

Stores.

District.	On hand at the commencement of the year.			Additions or exclusions during the year.			On hand at the end of the year.			Difference.		
	Number.	Value.	RS.	Number.	Value.	RS.	Number.	Value.	RS.	In favour of the year. Value.	Against the year. Value.	
Walayar Circle.												
Direction	309	5,112		7	101		313	5,187		75		
Ganjam	4,521	17,668		243	586		4,373	17,312			356	
Parlakimedi	889	5,805		391	942		967	5,928		123		
Vizagapatnam	1,796	11,089		95	282		1,901	10,462			627	
Godavari, Upper	3,914	19,721		144	197		3,908	19,441			280	
Godavari, Lower	3,111	38,211		133	345		3,099	38,163			48	
Guntur	3,894	15,895		177	625		4,004	16,405		510		
Nellore	8,798	60,625		193	414		7,951	71,407		4,555		
	+ 18 miles			162	171		+ 18 miles					
	6 furlongs			151	2,227		6 furlongs					
	252 feet of			998	385		252 feet of					
	tram track.						tram track.					
Total	27,232	1,83,126		1,082	4,956		26,516	1,84,385		3,952		
	+ 18 miles			1,778	3,717		+ 18 miles					
	6 furlongs						6 furlongs					
	252 feet of						252 feet of					
	tram track.						tram track.					
Bellary Circle.												
Direction	390	6,422		50	305		390	6,422				
Anantapur	3,054	10,585		354	4,447		2,756	15,066		4,481		
Kurnool, East	3,531	16,842		59	684		3,400	16,672			170	
Kurnool, South	3,490	15,548		190	854		3,536	15,718		170		
Kurnool, West	5,349	24,635		48	171		5,250	22,793			1,837	
Cuddapah, North	4,356	15,633		2	1		4,137	15,276			357	
Cuddapah, South	3,320	16,345		53	80		3,303	16,352		7		
				143	1,917							
				81	47							
				300	404							
				42	82							
				54	75							
Total	23,490	1,08,010		339	5,816		22,786	1,08,304		2,294		
				1,043	3,522							
Working Plans Circle.												
Direction including Working Plans divisions	1,149	13,188		18	198		1,167	13,386		198		
Provincial Sylviculturist's division	489	4,105		119	994		608	5,099		994		
Total	1,638	17,293		137	1,192		1,775	18,485		1,192		
Salem Circle.												
Direction	233½	7,321		9	1,033		233½	7,753		428		
Chittoor	4,026	13,882		450	605		4,171	13,896		14		
Vellore, East	5,185	15,923		305	787		4,869	14,866			357	
Vellore, West	4,707	15,383		109	117		4,431	16,872		1,489		
Salem, North	3,796	22,025		425	474		3,658	21,607			418	
Salem, Central	3,481	14,041		462	2,026		3,188	13,266			775	
Salem, South	3,137½	14,871		331	537		3,447	15,019		141		
				193	1,110							
				72	1,528							
				365	1,027							
				308½	1,187							
				59	1,046							
Total	24,566	1,02,757		1,683½	6,526		23,997½	1,03,279		522		
				2,232	6,004							

* Revaluation.

Note for Bellary Circle—
 (a) Due to valuation of stores according to market rates or original values.
 (b) Included wrongly in last year's return and now deducted.

Note for Working Plans Circle—
 The stores with the Working Plans Officers are also borne on the circle register.

Note for Salem Circle—
 The symbols (a) and (b) represent "additions" and "exclusions" respectively.

Abstract showing the value of stores, tools and plant for 1933-34—cont.

Stores—cont.

Districts.	On hand at the com- mencement of the year.			Additions or exclusions during the year.			On hand at the end of the year.			Difference.		
	Number.	Value.	Rs.	Number.	Value.	Rs.	Number.	Value.	Rs.	In favour of the year.	Against the year.	
										Value.	Rs.	
Coimbatore Circle.												
Direction	220	3,502		(a) 6	222		213	3,174		..	328	
Kollegal	2,757	10,651		(b) 13	550		2,770	10,308		..	283	
Coimbatore, North	3,570	15,047		(a) 109	446		3,682	15,407		360	..	
Coimbatore, South	4,128	54,990		(b) 109	692		3,499	21,346		..	33,644	
Madura	3,356	10,776		(a) 28	1,151		3,227	10,516		..	260	
Tinnevely	4,118	15,260		(b) 657	34,795		4,122	15,633		373	..	
Total	18,149	1,10,226		(a) 459	2,863		17,492	76,444		783	34,515	
				(b) 1,116	26,645							
Ootacamund Circle.												
Direction	420	7,246		(a) 16	214		348	7,457		211	..	
Mangalore, North	1,699	12,072		(b) 88	33		1,811	12,208		..	374	
Mangalore, South	2,979	18,000		(a) 187	1,009		3,010	17,240		..	766	
Wynad	6,304	29,535		(b) 75	1,383		6,263	29,556		21	..	
Nilambar	2,551	20,608		(a) 413	2,069		2,329	16,239		..	4,369	
The Nilgiris	2,141	13,808		(b) 148	1,152		2,051	13,351		..	457	
Palghat	2,082	12,783		(a) 240	2,477		2,191	12,796		13	..	
Forest Engineer, Coimbatore	(a) 6,134	(a) 56,717		(b) 474	6,846		203	1,046		..	55,671	
Total	24,370	1,71,375		(a) 37	361		18,206	1,09,983		..	61,392	
				(b) 193	637							

Note for Coimbatore Circle—

(a) Additions.

(b) Exclusions.

Note for Oodacamund Circle—

(a) Additions.

(b) Exclusions.

FORM No. 44.

Abstract showing the livestock, stores, tools and plant in the Madras Forest College, and Forest Engineer, Coimbatore, for the year ending 31st March 1934.

Serial number.	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.	
		Num-ber.	Amount.	RS. A. P.	Num-ber.	Amount.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
1	Survey and other instruments	2,103	6,182	6 8	2,280	6,291	11 8	109	5 0	519	13 0
2	Tools	1,682	2,006	7 6	1,752	1,486	10 6	410	2 4	..	..
3	Furniture	1,671	22,952	11 11	1,693	23,362	14 3	..	..	..	..
4	Uniforms and accoutrements	1,325	412	11 0	44	412	11 0	..	..	..	..
5	Scientific apparatus	..	593	4 10	597	593	4 10	..	..	..	..
6	Gymnasium articles	..	251	0 0	51	251	0 0	..	..	..	..
7	Machinery and oil engine	..	3,227	6 0	76	3,227	6 0	16	9 0	179	11 0
8	Photographic articles	..	7,229	1 3	76	7,229	1 3	..	..	904	0 0
9	Miscellaneous articles	..	8,775	0 0	90	8,775	0 0	..	..	..	..
10	Sents and tent articles	..	..	..	..	..	..	..	..	1,067	7 8
Total		7,406	52,347	1 2	7,095	51,279	9 6	..	..	..	..

Note for Forest College—

1,704 articles pertaining to the Forest Engineer's division included in last year's return by mistake have been excluded this year.

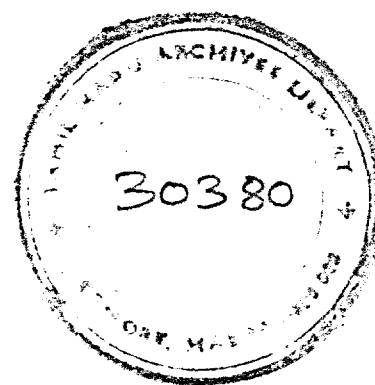
Abstract showing the value of livestock, stores, tools and plant for the year 1933-34.

[illegible]

Abstract showing the value of stores, tools and plant for the year 1933-34.

District.	Stores.			On hand at close of the year.			Difference in value.		
	On hand at commencement of the year.			Number.	Value.	In favour of the year. Value.	Against the year. Value.		
	Number.	Value.	Rs. A. P.						
Forest Utilization Division	..	..	..	..	..	Rs. A. P.	Rs. A. P.		
Chief Conservator ..	..	..	..	320	3,635 7 0	3,679 13 0	44 6 0		
	..	..	..	..	12,671 0 0	12,581 0 0	..		
Grand total, Presidency	..	..	..	* 134,409	* 8,18,974 0 0	6,76,706 0 0	..		
				+18 miles		+ 18 miles			
				6 furlongs and 252 feet of tram		6 furlongs and 252 feet of tram			
						track.			
							1,42,268 0 0		

• Revised figures adopted.



Government of Madras

DEVELOPMENT DEPARTMENT

G.O. No. 1606, 23rd November 1934

Forests—Administration report—1933-34—Recorded.

Order—No. 1606, Development, dated 23rd November 1934.

Recorded.

2. The continued economic depression affected the trading results of the department. Revenue decreased during the year owing to a reduced demand for timber, and for railway sleepers in particular. Fuel and other minor produce also brought in decreased revenues. There is a drop in revenue from sandalwood also.

3. The area of reserved forest decreased by 6 square miles, but that of reserved lands increased by 56 square miles; while the area of ryots' forests showed a reduction of one square mile.

There was an increase of 660 tons of timber felled by Government agency in reserved forests, while there was a decrease of 2,220 tons in unreserved tracts. The quantity removed by purchasers increased by 1,780 tons. There was an increase in the quantity of fuel removed by Government agency and a decrease in removal by purchasers. Sales of sandalwood declined both in price and quantity. The value of minor forest produce sold decreased. The experimental manufacture of sealing wax and wood polish is of interest; but it does not appear probable that there will be any extensive market for high quality sealing wax.

4. One million four hundred and fifty-eight thousand five hundred and twenty-nine animals were admitted to grazing during the year, a slight increase over the number of last year. This increase was reflected in the amount of grazing revenue realized which also showed a slight increase. Free permits account for a loss of revenue of nearly Rs. 50,000. A decrease in the number of permits issued is recorded against panchayat forests.

5. An increase is noticed in all forms of offences reported. It is satisfactory that there was an improvement in the proportion of cases investigated by Rangers, and the percentage of convictions obtained is satisfactory. There was extensive illicit goat browsing in one range in Cuddapah. It is hoped that the co-operation of the revenue authorities will lead to an improvement in the situation in that range.

The special investigation into the spike disease of sandal has been abandoned; but investigations in this matter will be continued by the Provincial Research staff. Lantana is a widespread pest and efforts to eradicate it should be continued and extended.

6. The account of sylvicultural work is interesting and the Government are glad to note the testimony of the Chief Conservator that the accumulating results of this work are likely to prove of the greatest benefit in the adoption of measures for preservation and regeneration of forests.

7. Working plans have been prepared for nearly 11,400 square miles, and only an area of 2,080 square miles is not now covered by working plans.

8. In paragraphs 99 to 105 of his report, the Chief Conservator describes the services the Forest Department has rendered to the general community, which show that, consistently with sylvicultural interests, the department makes every effort to meet all the reasonable domestic and agricultural requirements of the people. It is regrettable that in a few cases the people have not availed themselves of the facilities made available to them. The removal of manure leaf is unfortunately in some places still necessary, but it is gratifying to note that people in Tinnevely have lessened their demand on forests for this manure.

9. *The Forest College*.—A large number of Government students from this Presidency were trained and the net cost of the College increased. Three vernacular training schools were held.

10. The system of issue of permits through departmental subordinates was continued, and Government departments were circularized requesting them to consult the Forest Department in respect of their timber requirements and, as far as possible, to place orders with the department instead of insisting on Burma teak.

11. The relation of the department with the hill and jungle tribes was good and the report records the directions in which their services were enlisted for execution of departmental work, the special concessions shown to them and the measures undertaken for their benefit.

(By order of the Governor in Council)

C. A. HENDERSON,
Secretary to Government.

To the Chief Conservator of Forests.

„ Accountant-General

„ Board of Revenue (Land Revenue and Settlement).

„ Secretary to the Government of India, Department of Education, Health and Lands (with C.L.).

„ Inspector-General of Forests (with C.L.).

Press.