

Administration Report-

of the

Forest Dept-



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ELEPHANT "BHEMA" MOVING TEAK SQUARES

BEGUR, WYNAAD

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OFFICE OF THE CHIEF CONSERVATOR
OF FORESTS, CHEPAUK, MADRAS,
Dated the 15th October 1940.

Procs. No. 510, Press.

From

W. G. DYSON, Esq., I.F.S.,
Chief Conservator of Forests,

To

THE SECRETARY TO GOVERNMENT,
DEVELOPMENT DEPARTMENT.

SIR,

[Administration Report—Forest Department—1939-40.]

I have the honour to submit the report of Forest Administration
for the year ending the 31st March 1940.

I have the honour to be,

Sir,

Your most obedient servant,

W. G. DYSON,
Chief Conservator of Forests.

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Proceedings of the Chief Conservator of Forests

Procs. No. 510, Press, 15th October 1940

Administration Report—Forest Department—1939-40.

W. G. DYSON, Esq., I.F.S.,
Chief Conservator of Forests.

Proceedings—No. 510, Press, dated 15th October 1940.

I.—INTRODUCTION.

Mr. C. C. Wilson continued to be the head of the Madras Forest Department throughout the year under report.

2. *Finance*.—The surplus of receipts over expenditure rose from Rs. 3.88 lakhs in the previous year to Rs. 4.35 lakhs, due mainly to a decrease in expenditure from Rs. 39.99 lakhs to Rs. 38.57 lakhs. The decrease in expenditure was mainly due to the retirement of officers, retrenchment of establishment and to the economy exercised in all directions on account of the war. Full details are furnished in Chapter VI—Finance.

3. *Forest Policy*.—In the evergreen rain-forests of the West Coast, situated as they are on precipitous slopes in a zone of torrential rainfall the paramount consideration is to maintain unimpaired their protective value. This is the guiding principle in their management under a system of cautious selection.

The mixed deciduous or "monsoon" forest occurs in regions of less severe rain and, generally, on moderate slopes. Although it is of high importance as protective forest it is possible for these reasons, and because it presents less difficult regeneration problems, to follow a bolder system of working. The present natural stand, which contains only a small proportion of marketable timber, is therefore being replaced wherever circumstances permit, by plantations raised after clear-felling. These are mainly of teak, but on land unsuited to that species the artificial regeneration of other useful timber trees, including softwoods to nourish the growing match, plywood, and packing-case industries, is receiving due attention. The policy is to bring these potentially valuable forests to a state of full production in the shortest possible time.

4. The situation as regards sandalwood is dominated by the prevalence of "spike" disease which dictates the policy of merely harvesting dead trees. Natural reproduction is, however, so prolific that little anxiety is felt about future supplies, and no

extensive measures of artificial regeneration are undertaken. Meanwhile research continues on the cause and control of the disease.

5. The fuel and grazing forests of the drier districts, poor though they often are, fulfil an indispensable purpose in covering the catchment areas of local irrigation sources, and often of more distant ones. Their conservation is one of the department's most anxious tasks. Subject to this ruling consideration their management aims at meeting, and at maintaining and improving local supplies of fuel, bamboo and other produce. Steadily increasing attention is being given to grazing questions and to pasture management and research.

6. The progressive deterioration of the forests managed by panchayats is now a fact generally recognized. The whole question is under examination by the Government.

7. As in many other parts of the world, the question of soil erosion is forcing itself more and more into notice. This is, naturally, a less disturbing feature in departmental reserves than in panchayat and private forests and in the goat browsed and disastrously over-grazed "unreserves."

8. The pressure of population on the land is met, as far as possible (and in preference to acceding to clamour for disafforestation) by the raising of field, and forest crops in conjunction. The practice is gaining ground steadily.

9. From a policy of leasing practically all minor forest produce there has of late been a swing towards direct departmental interest in these—not merely in their collection and marketing, but in their production too. It is a question whether there is not a tendency for this to go too far, diverting too much of the energies of the department from its proper functions to side-lines more suited to private enterprise.

10. *Assistance to villagers.*—The grazing fees which were reduced by half in April 1938, remained at the new level. Free removal of grass in headloads continued. Areas long closed to grazing were opened to limited grazing. Penning and watering facilities in grazing grounds have been improved. A rotational system of grazing has been introduced in suitable localities. Efforts were made to introduce better strains of grasses in grazing grounds. Free grants of building material were made to the poor to re-build their houses when destroyed by fire or flood. The requirements of ryots in fuel and small timber were met as far as possible by localized fellings. Raw material required for cottage industries was supplied to the extent possible. The removal of dead-wood was allowed at a nominal charge in certain localities. Felled timber and fuel coupes were allotted for regeneration and the production of a field crop by the kumri method, to the mutual

benefit of the department and the ryots. Steps were taken to mitigate damage to crops by wild pigs, and by elephants.

11. *Development.*—The conversion of mixed deciduous forest of low value into plantations, mainly of teak, is progressing steadily. Much attention has been given to the regeneration of fuel forests. A scheme for forming extensive plantations of wattle (*Acacia decurrens*) in the Palnis and the Nilgiris has been sanctioned tentatively by Government and a start has been made in both places. Avaram (*Cassia auriculata*), whose bark is used for tanning, is being artificially grown in some divisions. Cashew (*Anacardium occidentale*)—for whose nuts there is a steady demand—is grown to a fairly large extent in South Kanara and to a smaller extent in other divisions. A scheme for its extension in South Kanara is under consideration. Camphor and Cinnamon were tried in suitable localities; but they have not proved successful so far. Cardamoms were collected departmentally in the Palghat and Tinnevely divisions, and the plantation of cardamoms has been extended in Tinnevely. Lac cultivation is proceeding in the Madura and Salem North divisions. At the Research Station at Denkanikota various commercial products of lac, such as sealing wax and polish are being manufactured. The suitability of a number of new localities for lac cultivation is being tested by experiment. Experiments in tapping gum karar (*Sterculia urens*) were conducted in the Kurnool West division, and are continuing.

A Chevrolet lorry fitted with gas generating apparatus was purchased and is used both for transporting sandalwood from the various depots to the sale depot at Tiruppattur, and to demonstrate the use of charcoal, as a fuel for motor vehicles. Its performance is being watched.

A scheme for treating wooden poles by the open tank creosoting process was sanctioned by Government. The Plant and Machinery have been erected in the Forest College Estate at Coimbatore. A Forest apprentice, who has been trained at the Forest Research Institute, Dehra Dun, in the preservative treatment of timber, is in charge of the creosoting plant.

12. *Supply of timber to other departments.*—The department continued to supply ordinary track sleepers to the South Indian Railway. No special sized teak sleepers were supplied to them this year as agreement on prices could not be reached. Later in the year, however, an order for 10,000 special sized sleepers, to be supplied in 1940-41 was received.

The department supplied 981 wooden poles to the department of Electricity for use on transmission lines. The department also supplied logs, sawn timber and bamboo tent poles to the Army. It also inspected and despatched timber purchased for military purposes by the Department of Supply from private contractors.

13. *Employment.*—The department provides employment on a considerable scale for the aboriginal tribes in the hills and for labourers in the plains on forest operations, roads and buildings, and kumri plantations. The contractors of timber and fuel coupes continued to absorb a great deal of labour. The six schemes for the employment of boys in Borstal Schools on forest works, referred to in the previous years' report, have been ordered to be held in abeyance.

14. *Retrenchment.*—As a sequel to the retrenchment already ordered, one post of Conservator of Forests, three posts of Deputy Conservators of Forests, and one post in the Madras Forest Service were abolished. The Forest College at Coimbatore was closed at the end of the 1937-39 session. In addition to two Circles, three Divisions and eight Ranges already abolished, a number of posts in the protective staff were retrenched.

15. *Superior and Subordinate Services.*—The rules for the new Madras Forest Service were revised and re-issued. The permanent cadre of the Forest Service (Indian Forest Service and Madras Forest Service) was fixed at fifty posts. New scales of pay for the Chief Conservator and Conservators of Forests in the provincialized service were fixed. Future recruits to the Madras Forest Service will be trained at the Indian Forest College at Dehra Dun, instead of at Oxford, and future Forest apprentices, at the Rangers' College at Dehra Dun.

In consequence of retrenchment, the cadres of Rangers, Foresters and Forest Guards were re-fixed and re-graded.

16. *Amendment to the Madras Forest Act.*—A Committee of two senior Conservators was appointed to prepare a comprehensive memorandum showing the amendments necessary to the Madras Forest Act. The Committee's report was submitted to Government after the close of the year.

17. *Publicity.*—The department participated in seven exhibitions held in different parts of the Province, in which a variety of forest products were displayed. In a fire which occurred in the Congress House Exhibition in January 1940, all the forest exhibits were destroyed. They are being replaced.

Propaganda notes on forestry matters of interest to the public were published. A Press Communiqué explaining the present forest policy was published for the information of the public after the close of the year.

18. Under the orders of Government the maintenance of production and trading accounts for timber, sandalwood and sleepers operations have been discontinued. They are replaced by statements explaining the financial position of these operations in the forest divisions in question appended to this report (at the end of the Annual Returns).

II.—GENERAL ADMINISTRATION.

(i) ALTERATION IN AREA.

19. The area of reserved forests at the beginning of the year was 18,497 square miles. There was a decrease of 2 square miles, due to disreservation, in the Guntur and Salem North and South divisions. The area at the end of the year was 18,495 square miles and consists of 15,125 square miles of protective and remunerative forests (Class I), of which 15,118 square miles are managed by the Forest department, and 7 square miles by other departments, 149 square miles of ryots' forests (class III) transferred to the management of the Forest department, and 3,221 square miles of ryots' forests (class III) managed by forest panchayats under the control of the Revenue department.

20. The area of reserved lands increased from 186 square miles to 305 square miles, mainly due to the reservation under section 4 of the Forest Act of two blocks in Rampa in the Godavari Lower Division.

(ii) FOREST SETTLEMENT.

21. The area under settlement at the beginning of the year was 176 square miles to which 118 square miles were added during the year. Of this total area of 294 square miles 21 square miles were finally settled.

Settlement operations were in progress mainly in the Godavari Lower, Salem South and the Nilgiri Forest divisions.

(iii) DEMARCATION.

22. Reserve boundaries were newly demarcated over a total length of 2 miles at a cost of Rs. 159. Out of a total length of 23,863 miles of artificial boundary, 17,980 miles were maintained—12,417 miles by the subordinates free of cost, and 15 miles by ryots owning lands adjoining reserved forests in the Wynaad division. The remaining 5,548 miles were maintained at a cost of Rs. 8,742.

Fifty-five miles of the Mysore-South Kanara and 27 miles of the Mysore-Malabar frontier boundaries, marching with reserved forest boundaries were cleared in the South Kanara and Wynaad divisions respectively.

(iv) SURVEY.

23. There was no survey by the Survey of India Party.

The resurvey of 18½ miles of the district boundary between Chiddapah and Anantapur was completed during the year.

All forest reference maps were kept up to date.

(v) ROADS AND COMMUNICATIONS.

24. (a) The total expenditure on new works was Rs. 51,748 and on repairs Rs. 98,163 as against 42,157 and Rs. 1,06,587, respectively, in the previous year.

A total length of 49 miles of new roads, bridle paths and inspection paths were constructed and 2,542 miles of existing ones were repaired as against 44 miles and 2,644 miles respectively in the previous year.

(b) The Forest Engineer was engaged on the following important road works:—

- (1) Improvements to the Nedungayam-Kanhirakadavu road in Nilambur, sanctioned for Rs. 9,900. The work was started in 1938-39 and completed during the year at a cost of Rs. 8,950.
- (2) Improvements to the Mancheri-Kanhirakadavu road—in Nilambur, sanctioned for Rs. 6,800. The work was started in the previous year and completed during the year at a cost of Rs. 7,074.
- (3) Remetalling the entire Dawson's Road in the Coimbatore South division sanctioned for Rs. 7,000. Work was started in the previous year and completed during the year.
- (4) Construction of the Nadanur-Mandaparai road in the Vellore East Division, sanctioned for Rs. 16,500 in 1938. The work was continued and a sum of Rs. 4,447 was spent, but it was later suspended as a measure of war-time economy.
- (5) Construction of a road from Adivaram to the Muthikulam saddle in the Palghat division sanctioned in 1939 for Rs. 15,000. The work was started in December 1939 and a sum of Rs. 11,568 was spent during the year.
- (6) Construction of a feeder road from the Muthikulam saddle to Pambar, in the Palghat division sanctioned for Rs. 9,850 in March 1940, of which Rs. 480 was spent during the year.
- (7) Construction of a cart-track from Uthopium to Gopinatham in the Kollegal division sanctioned for Rs. 4,000 in August 1939, of which a sum of Rs. 3,928 was spent during the year.

(vi) BUILDINGS.

25. No new works costing over Rs. 5,000 were undertaken. The total expenditure on new works was Rs. 17,473 and on repairs Rs. 50,857 as against Rs. 35,215 and Rs. 53,333, respectively, in the previous year.

(vii) OTHER WORKS.

26. The total amount spent on other works, including new works was Rs. 7,799 compared with Rs. 7,632 in the previous year. This sum includes Rs. 620 spent on the upkeep of rolling stock and the maintenance of 18 miles 6 furlongs of tramway in Sriharikota Island, for the transport of fuel from coupes to the Buckingham Canal. It also includes Rs. 829 spent on the extension of the telephone line from Top Slip to Tekkadi in the Coimbatore South division. A sum of Rs. 516 was spent from the Chenchu Budget on improving water sources near Chenchu Gudems in the Kurnool West division.

Improvement of water-supply in grazing grounds.

27. A total amount of Rs. 5,702 was spent on the improvement of watering facilities in grazing grounds in the Kurnool East and West, Chittoor, Vellore East and West, Salem North and South, Cuddapah North and South, Nellore, Kollegal, Coimbatore North and South divisions, as against Rs. 6,321 in the previous year.

(viii) FOREST ENGINEERING.

28. As usual, ordinary Forest Engineering works were carried out by the local territorial staff, and only the more important works by the Forest Engineer.

Besides the important road works already mentioned, the Forest Engineer carried out certain other works and investigations, and prepared estimates and designs for future use in various divisions. He also gave technical advice to District Forest Officers regarding roads, bridges, buildings and transport problems and the provision of water facilities. To cope with the need for improving water facilities in grazing grounds, one Ranger and four Foresters were deputed for training in well-boring operations under the Department of Industries, and two sets of boring instruments were purchased.

(ix) LIVESTOCK.

(a) *Elephants.*

29. At the beginning of the year the department owned 132 elephants valued at Rs. 2,62,204. During the year, 23 were captured and 8 were born in captivity. Eight elephants including two calves died and twenty-one were sold.

At the end of the year there were 134 elephants valued at Rs. 2,76,079. The health of the elephants was generally satisfactory.

Elephant capturing operations.

30. Elephant capturing operations were conducted in the Coimbatore South, South Kanara, Wynaad, Nilambur and the Nilgiri divisions. There were 23 captures. The results of the operations were satisfactory. The total estimated value of the new captures was about Rs. 19,600 against an expenditure of Rs. 8,845 on the operations.

The total amount obtained from the sale of 21 elephants, including new captures, one old working animal and a few calves was Rs. 11,780.

(b) Cattle.

31. There were 13 head of cattle at the beginning of the year valued at Rs. 997. Three buffaloes died during the year, leaving ten animals at the end of the year, valued at Rs. 810.

(x) BREACHES OF THE FOREST ACT.

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

Cases.	(1)	Injury to forest by fire.		Unauthorized fellings.		Unauthorized grazing.
		1938-39.	1939-40.	1938-39.	1939-40.	1938-39.
		(2)	(3)	(4)	(5)	(6)
Reserves—						
Cases taken to Court	..	22	14	7,160	8,500	1,285
Cases compounded	..	41	42	6,564	6,901	1,763
Cases undetected	..	1,625	973	329	371	4
Total	..	1,688	1,029	14,053	15,772	3,052
Unreserves—						
Cases taken to Court	..	50	8	2,463	2,189	132
Cases compounded	..	72	77	5,206	5,714	200
Cases undetected	..	..	..	124	112	1
Total	..	122	85	7,793	8,010	333
Total of reserves and unreserves—						
Cases taken to Court	..	72	22	9,623	10,684	1,397
Cases compounded	..	119	119	11,770	12,615	1,963
Cases undetected	..	1,625	973	463	483	5
Total	..	1,810	1,114	21,846	23,782	3,365
Unauthorized grazing—cont.						
Cases.		1939-40.	1938-39.	1939-40.	1938-39.	1939-40.
		(7)	(8)	(9)	(10)	(11)
Reserves—						
Cases taken to Court	..	1,566	230	374	8,677	10,454
Cases compounded	..	2,146	791	1,004	9,169	10,093
Cases undetected	..	8	23	5	1,981	1,357
Total	..	3,720	1,044	1,383	19,817	21,904
Unreserves—						
Cases taken to Court	..	107	183	167	2,828	2,466
Cases compounded	..	316	629	623	6,107	6,790
Cases undetected	..	5	13	4	138	121
Total	..	428	825	794	9,073	9,317
Total of reserves and unreserves—						
Cases taken to Court	..	1,673	413	541	11,505	12,920
Cases compounded	..	2,462	1,420	1,627	15,266	16,823
Cases undetected	..	13	36	9	2,116	1,478
Total	..	4,148	1,869	2,177	28,890	31,221

There has been an increase in all forms of offences reported, except under "Injury to Forest by Fire." It is believed that the increase in the number of offences reported is due to the greater vigilance of the staff and to surprise inspections, rather than to an increase in the actual number of offences committed.

33. Out of the 10,875 offences committed in reserved forests and disposed of by magistrates the accused paid compounding fees in 5,805 cases and in 84 cases (.77 per cent of cases actually brought for trial) they were acquitted. As regards offences in unreserves, out of 2,415 cases taken to court 566 cases (7.5 per cent) were acquitted.

34. A sum of Rs. 1,31,759 was realized as compounding fees compared with Rs. 1,11,742 in the previous year. The average compounding fees per case and per person were Rs. 7-1-1 and Rs. 3-14-4, respectively, as compared with Rs. 6-10-3 and Rs. 3-11-8 in the previous year.

35. The percentage of convictions in cases arising from reserved forests, including cases in which compounding fees were paid in court, was 99, the same figure as in the previous year.

36. The proportion of cases investigated by Range Officers was inadequate in sixteen divisions and by District Forest Officers in eighteen divisions.

37. Out of fifteen sandalwood cases (including breaches of the Sandalwood Transit Rules and cases of illicit fellings) in the Salem, Coimbatore and Ootacamund Circles seven were convicted, two compounded, one withdrawn, one acquitted, one undetected and three were pending in court at the end of the year.

38. As usual, patrol parties were organized in many divisions. Their surprise inspections led to the detection of a larger number of offences than in the previous year.

39. Rewards amounting to Rs. 505 were granted to forest subordinates and private persons who assisted the department in the detection and prosecution of sandalwood and other offences.

40. As in previous years the Kottur and Konarajupalle Reserves in the Cuddapah North division required special protection, owing to the existence of a large number of goats in the neighbouring villages, and two Foresters were deputed for the work. There has been a small decrease in the number of goats maintained. All cases of goat browsing were either heavily compounded or prosecuted.

(xi) PROTECTION FROM FIRE.

41. Special protection extended over an area of 3,584 square miles as compared with 3,861 square miles in the previous year. Of this area 462 square miles, or about 12.9 per cent were subsequently burnt, as compared with 285 square miles and about

7.4 per cent in the previous year respectively. The increase in the area burnt must be attributed to the prolonged drought.

The expenditure on special fire protection was Rs. 22,344 or Rs. 6-4-7 per square mile, as against Rs. 23,270 or Rs. 6-0-5 in the previous year.

42. Early burning was carried out over an area of 305 square miles, as compared with 469 square miles in the previous year, the average expenditure being Rs. 2-0-5 per square mile as against Rs. 2-13-8 in the previous year. Of the area protected in this way, 10 square miles (3.3 per cent) were subsequently burnt.

43. The hill-tribes in several divisions were, as usual, allowed certain concessions in reserves, in return for which they were required to protect the forests from fire. They were also granted rewards for successful fire protection.

(xii) PROTECTION AGAINST INJURIES FROM NATURAL CAUSES.

44. The 'spike' disease of sandal continued to prevail in the Vellore East and West, Salem North and South, Kollegal and Coimbatore North divisions and in the Sigur Range of the Nilgiris division. It was stated in the previous report that spike had invaded the sandal forests in Tinnevely, but it has since been found that the report was incorrect and spike does not exist anywhere in that division.

Anti-spike measures were continued in accordance with the standing orders on the subject and the results were carefully watched. They were discontinued in extensively affected areas where they were of no avail. In Geddassal in the Coimbatore North division, they have proved successful. Short notes on spike control measures and on the immunization of sandal trees to spike, were prepared by the Provincial Silviculturist.

45. Teak defoliation by insects continued in the Nilambur division and elsewhere. Investigations into various measures of biological control were continued by the Entomological section of the Forest Research Institute, Dehra Dun. In the Wynaad division, the shoot and collar borers caused much damage in young mahogany plantations. The Forest Entomologist has devised practical measures for controlling the latter.

46. In the Salem North division and elsewhere, caterpillars defoliated *Cassia siamiae*. In the Nellore division, two kinds of caterpillars caused much damage to casuarina seedlings. Remedial measures were adopted in consultation with the Forest Research Institute.

Prickly-pear has been wiped out by the cochineal insect.

47. Lantana occurs in most of the divisions in varying intensity, and various measures were adopted to destroy it and check its spread. In the Vellore West, Chittoor and Salem North

divisions attempts were made to suppress it by underplanting with bamboos. In the Salem North division areas overgrown with lantana were given for kumri cultivation as an experiment. In the Nellore division it was destroyed by chemical spraying. This latter method gave indications of success, but a large scale experiment proposed had later to be dropped, as owing to the war, supplies of chemical became unobtainable.

48. In the Nilgiris division, young plantations suffered from frost to some extent, in spite of shading.

49. Wild elephants continued to cause damage to young plantations in the Kollegal, Coimbatore South, Madura, Nilambur and Wynaad divisions. In Kollegal two were proscribed and shot and in Coimbatore South two were proscribed. In the Madura division they were kept out of the Vannathiparai teak plantations by a fence of whitened ropes, but whether this method will be effective after the novelty has worn off remains to be seen.

Bison caused damage to regeneration areas in the Kollegal and Wynaad divisions. Sambhur, deer and wild pigs damaged young plantations in several divisions. Porcupines damaged *Cassia siamiae* in the Chittoor and Salem North divisions.

(xiii) FOREST PANCHAYATS.

50. The total area of Class III forests is 3,370 square miles, of which 3,221 square miles are managed by panchayats under the control of the Revenue department and the remaining 149 square miles, consisting mostly of deteriorated areas, have been transferred to the Forest department for improvement. The administration of these forests has been reviewed by the Board of Revenue for the year ending the 30th June 1940.

51. A Deputy Conservator of Forests was placed on special duty for four months to inspect the panchayat forests in four districts and to report on their condition. His report is under the consideration of the Board of Revenue.

52. The Forest Hill Village System continued to work satisfactorily in many of the villages of the Javadis of the Vellore East and West divisions and the Kalroyans of the Salem South division.

53. The Forest Village System was in force in two reserves in South Kanara—Tenkahola and Dharmastala Mundaje, where it has worked satisfactorily.

(xiv) FOREST COLLEGE.

54. The Forest College was closed in July 1939. Future Forest Apprentices will be trained at the Rangers' College, Dehra Dun. The Forest Museum attached to the college has been maintained under the control of the Forest Utilization Officer.

(xv) FOREST GUARDS' SCHOOL.

55. A school for Telugu-speaking foresters and forest guards was opened at Cocanada on the 1st October 1939 and closed on the 31st March 1940. In the final examination one forester and four forest guards secured first-class certificates, nine second-class, and the others third-class. The health of the students was generally good. A special feature of the school was the teaching of paper-making by hand and instructions on "lac" propagation.

A school for Tamil-speaking foresters and forest guards was opened in the Salem North division on the 6th January 1939 and closed on the 5th July 1939. In the final examination three students secured first-class certificates and the rest were placed in the second class. One forest guard failed to complete the course.

III.—SILVICULTURE AND RESEARCH.

(i) SYSTEMS OF MANAGEMENT.

Timber forests.

56. The departmental forests are worked in accordance with Working Plans, prepared specially for each division. The timber forests are worked under the clear-felling and the selection systems. Under the clear-felling system, all trees are felled and the entire area is restocked artificially, while under the selection felling system only mature and overmature trees are felled, and natural regeneration is mainly relied upon. Chiefly on account of the greater certainty and value of the artificially raised crops, the present tendency of management is to expand, as far as possible, areas under the clear-felling system at the expense of the selection areas, except in evergreen forest where clear-felling would be wholly objectionable from the protective aspect.

Clear-felling system.

57. The total area felled under this system was about 2,968 acres. This area was restocked mainly with teak, but partly with *Dalbergia latifolia* (rosewood), *Artocarpus hirsula* (ainee), *Swietenia macrophylla* (mahogany), *Pterocarpus dalbergioides* (padauk), and other species. Many of these plantations were raised in conjunction with field crops by the "kumri" method (described under definitions of technical terms).

Selection felling system.

58. Fellings extended over an aggregate area of 54,109 acres, in evergreen and deciduous forests. In deciduous forests, as mentioned above, larger areas of plantations are formed, to compensate for the timber extracted in selection fellings; and regeneration is otherwise mainly natural.

In evergreen forests, natural regeneration is relied on, and in suitable places, within easy reach of lines of export, small areas are regenerated under a shelterwood by natural regeneration supplemented by planting on an experimental scale.

Fuel forests.

59. With few exceptions the fuel forests are worked under the system of simple coppice. An area of 27,119 acres was felled in this way during the year. Exceptions are the mangroves of Lower Godavari and Guntur where 2,127 acres were felled and regenerated by natural reproduction from seed; and 2,005 acres felled under the system of coppice with standards. Under both coppice systems, coppice reproduction has been supplemented by artificial sowings under the systems known as "rab" and "kumri." The trend of thought, now-a-days, is that these methods have been too widely applied irrespective of the possibilities of soil and rainfall, and the tendency is likely to be in the direction of concentrating such efforts on the best areas, leaving the rest to coppice regrowth.

Sandalwood.

60. (a) Sandalwood grows naturally and plentifully in the hill-tracts, both in reserves and unreserves, of the North Arcot, Salem and Coimbatore districts and to a lesser extent in other districts, and has been artificially introduced in new localities by various methods. The present view is that natural regeneration of sandal more than compensates for the amount exploited, and artificial regeneration, by propagation centres, is only attempted where, in good sandal growing areas, sandal is not plentiful.

(b) This valuable tree is liable to attack by a virus disease known as "spike"—a disease which is always fatal and which spreads rapidly in epidemic form. Control measures based on past investigation are adopted where possible when the disease appears, and their results are watched. Investigations are being continued to detect the insect responsible for its spread, and to devise methods to combat the disease.

The mortality of sandal from this cause is so great that working is confined to the removal of dead trees.

Dead sandalwood was extracted in this way over an aggregate area of about 460,800 acres and, except in a few localities, where propagation centres were established, or where sandalwood seeds were sown under bushes, regeneration was left to nature. The artificial regeneration attempted was not particularly satisfactory.

Bamboos.

61. Bamboo areas, worked generally on a three-year rotation, are mostly leased to contractors, to be felled in accordance with rules, prescribed in the Working Plans to ensure adequate

regrowth and to reduce the danger of fire. But in the Rampa forests of the Godavari Lower division bamboo is extracted by the issue of permits.

Bamboo rarely flowers but when it does, it dies, and is replaced by natural regeneration from fallen seed. There was either sporadic or gregarious flowering of both the species of bamboo—*Dendrocalamus strictus* and *Bambusa arundinacea*—in several divisions.

Bamboo was exploited over a total area of 1,202,430 acres distributed over most of the divisions.

(ii) GENERAL PROGRESS OF REGENERATION.

A. Mainly natural.

62. (i) *Concentrated*.—In felled fuel coupes, regeneration by coppice shoots, and by seed in the mangroves was generally satisfactory.

63. (ii) *Not concentrated*.—In timber forests, both deciduous and evergreen, particularly in the latter, natural regeneration may be described as adequate, but the term is used with some degree of hesitation in respect of the deciduous timber forests. For this reason selection working in this type is in most places being restricted. The poorer areas are given rest, and the best are transferred to conversion by clear-felling. Natural regeneration of sandalwood is, in general, so good that artificial methods are largely unnecessary.

In Madura wattle is spreading naturally, and pine has begun to reproduce itself from seed.

The regeneration of bamboo in all areas where it has flowered was satisfactory.

B. Artificial.

64. The outstanding work in this direction is the conversion of mixed deciduous forest, of low present, but of great potential value, to pure teak. This is going on at the rate of about 1,500 acres annually, spread over half a dozen divisions. A very valuable property is being built up in this way. Wherever possible, the work is done in conjunction with the raising of field crops.

As mentioned above “rab” and “kumri” sowings have supplemented natural reproduction by coppice in a large proportion of the areas worked for fuel.

65. *Plantation of Cassia auriculata* (avaram).—In 1938 Government ordered that definite areas should be set apart in reserved forests for planting “avaram” for the supply of bark to the tanning industry. Avaram plantations were accordingly started in some districts in the previous year and were further extended during

the year under report. They were formed by the “rab” and “kumri” methods in felled coupes, over an approximate area of 150 acres in the Anantapur, Cuddapah North and South, Vellore East and West, Nellore, Chittoor, Salem North and Kollegal divisions. The species was also sown with other species in fuel coupes in these divisions and in Madura.

66. *Plantation of Acacia decurrens* (Wattle).—As a large quantity of wattle bark (*Acacia decurrens*) is imported from South Africa every year for the tanning industry, a scheme for large scale plantation of this species in the Palnis and the Nilgiris was sanctioned tentatively by Government. In accordance with this scheme an area of 71 acres was planted in the Nilgiris and 14 acres in the Palnis.

67. *Plantation of Anacardian occidentale* (Cashew).—As there is a growing demand for cashewnuts, plantations are being formed to increase its supply. In the South Kanara division, which is specially suited for this species, an area of 358 acres was successfully planted. It was planted over an area of 81 acres in the Salem North and Tinnevely divisions, and was sown with fuel species in felled coupes in the Godavari Lower, Cuddapah North and Nellore divisions.

68. In order to demonstrate the possibilities of cinnaom cultivation, small experimental plantations were made in the Tinnevely, Wynaad and South Kanara divisions. The results were poor, due mainly to the rapid deterioration of the seed, which has to be imported from Ceylon.

69. In the Tinnevely division, cardamom was planted over a further area of 10 acres.

70. Attempts made to grow camphor in the Kollegal and Tinnevely divisions proved a failure.

71. Compact blocks known as “preservation plots,” typical of the different types of forest occurring in the Presidency, were demarcated for permanent preservation in their natural state, in certain divisions.

C. Afforestation.

72. The formation of casuarina plantations was continued in the Guntur and Nellore divisions, over an area of 61 acres. In the Tinnevely division, the formation of plantations to fix moving sand dunes was continued, 100 acres being planted or sown with palmyra, 29 acres with cashewnut, and 4 acres with fuel species. An area of 85 acres was planted with *Acacia decurrens* in the Nilgiris and the Palnis.

(iii) TENDING OF THE GROWING STOCK.

73. In the timber forests, tending is done according to the prescriptions in the Working Plan.

Research.

74. The Provincial Silviculturist's research report for 1939-40 is published as a separate volume.

75. The fifth Silvicultural Conference was held at Dehra Dun in November 1939. It was attended by the Provincial Silviculturist and the District Forest Officer, Nilambur.

76. The Research Ranger, Denkanikota, was deputed to the Forest Research Institute, Dehra Dun and to Ranchi in order to study the entomology of the spike disease of sandal and lac work.

77. Some of the more important investigations are mentioned below:

A. In mixed deciduous forests of good quality.

(i) Practical measures were devised by the Forest Entomologist, Dehra Dun, to control the damage caused by the mahogany collar borer. This is a result of the intensive work that has been done, both by the Forest Entomologist and the research staff of this Province in the past four years. It is an example of the benefits derived by the close co-operation of local officers with the Forest Research Institute.

(ii) Soil and root studies of teak have been started in the Nilambur division. These are the beginnings of important investigations and have so far consisted of the collection of information and a preliminary survey of the problems.

(iii) The establishment of a number of species of exotic bamboos, which are without thorns and more desirable than our local bamboo (*Bambusa arundinacea*).

B. In dry fuel forests.

(i) The conclusion of a number of earlier investigations into details of the regeneration methods of "rab" and "kumri" and the start of more advanced investigations into such subjects as the effects of ash and the burn, of the interval between burning and sowing, and of the field crops on the forest crops.

(ii) The wide-scale introduction of bamboo into dry districts in places where they are either absent or scanty and into areas invaded by pests such as *Lantana* and *Strobilanthes* for the purpose of reclaiming them.

C. The spike disease of sandal.

(i) Great progress in insect collections under different conditions and their identification—This was largely due to the deputation of the Research Ranger, Denkanikota, to Dehra Dun and the help and co-operation of the Forest Entomologist.

(ii) Demonstration of the effects produced by spike control operations were carried out intensively in experimental areas. In the Denkanikota Sandal area while, during a period of six years,

spike had spread from 5 acres to 350 acres, it has extended only to 395 acres during a further period of eight years, in which control measures were undertaken. Five isolated attacks at distances of from half a mile to $2\frac{1}{2}$ miles from the main area were stamped out.

D. Seed indents.

78. During the year the Provincial Silviculturist arranged for the collection and supply of 266 seed indents comprising 93 species and $11\frac{3}{4}$ tons of seed, and 36 indents and 16 species totalling 325,000 seedlings and stumps.

IV.—WORKING PLANS.

79. (a) The following table indicates briefly the progress in the preparation of working plans for the forests under the control of the Madras Forest Department:—

Circle.	Total area of circle.	Area for which working plans have been completed and sanctioned up to and including the year under review.	Area for which working plans have been completed but which have not yet been sanctioned.	Working plans whose preparation or revision was due to be commenced in 1939-40.	Working plans in course of preparation or revision in 1939-40.
	SQ. MILES.	SQ. MILES.	SQ. MILES.		SQ. MILES.
Bellary Circle ..	5,507	5,152	31	Vizagapatam ..	Kurnool East. 1,072 Kurnool West. 885 Anantapur .. 602 Vizagapatam. 546 Guntur .. 839
Salem Circle ..	4,203	3,964	295	Harur Range (Vellore West) }	Chittoor .. 576 Harur Range (Vellore West) }
Coimbatore Circle ..	3,861	3,853	5	Salem South ..	Coimbatore South. 398 Salem South .. 625
Ootacamund Circle ..	1,939	1,937	2	Coimbatore South. ..	Nilambur .. 125 Wynaad .. 264
Total ..	15,570	14,906	333		6,214

* The excess of 1 sq. mile is due to the rounding of the areas of reserved forests owing to the abolition of the Salem Central Division.

80. The area covered by sanctioned working plans at the beginning of the year was 13,689 square miles. In the course of the year, working plans were sanctioned for a further area of 1,216 square miles, not previously under working plans. The area covered by working plans at the end of the year was therefore 14,905 square miles.

81. During the year, for areas not previously under systematic management, working plans were completed (and are awaiting sanction) for an extent of 333 square miles and plans were under preparation for a further area of 66 square miles. This leaves an

extent of only 265 square miles of forests, managed by the Madras Forest Department, for which no working plans have yet been prepared.

The increase in the area not under working plans from 166 to 265 square miles is due to the reservation of fresh blocks in Rampa, and to the retransfer of certain forests from panchayat management to the control of the Forest Department.

82. Working plans for the Vellore West, the Nilgiris and the Godavari Upper divisions prepared in the working plans branch were sanctioned during the year under report. The working scheme for the three inland ranges in the Nellore division, referred to in last year's report, was sanctioned by the Conservator of Forests, Salem Circle, during the year.

83. The working plans branch has completed the working plans for the Nilambur, Chittoor and Wynaad divisions and is engaged in drafting working plans for Harur Range (Vellore West division), the Anantapur and Kurnool East divisions. The field work in connection with the working plans for the Kurnool West and Guntur divisions has been completed during the year under review. The field work in connection with the Salem South, Coimbatore South, and Vizagapatam divisions is in progress.

84. (b) The control records were, as usual, scrutinized by the territorial Conservators, and finally by the Working Plans Personal Assistant to the Chief Conservator of Forests. The check by the Working Plans Personal Assistant is considered unnecessary and will in future be restricted to the financial statements of each division.

85. (c) In order to ascertain the minimum cost at which charcoal could be produced in bulk, departmental manufacture of charcoal was undertaken by the No. 1 (Salem) Working Plans division in the Hogainakal, Thirthamalai and Beligundlu Reserves of Salem district. A quantity of 105 tons of charcoal was prepared and sold.

A scheme for the departmental manufacture and supply of charcoal to the Engineering College, Guindy, from the Cuddapah South division from 1940-41 has been approved after the close of the year.

86. (d) In the working plans now under preparation, or shortly to be taken up, the general lines of forest policy, as adopted in Madras for a number of years past, are being followed. The following points, however, in connection with the new working plans, are worthy of mention as being either innovations or else extensive developments of earlier practice:—

- (i) Except in the most intensively worked forests, the period of the new working plans is being extended from 10 to 15 years, with the object of reducing the total expenditure on working plans.

- (ii) Prominence is being given to the improvement of forest pasturage and of grazing facilities, both by works of improvement and by the introduction of controlled grazing. Provisions for either "rotational" or "deferred" grazing are being made wherever practicable.

- (iii) In addition the desirability of extending the practice of penning cattle in the interior of the forests is being emphasized. This has the advantage of distributing the grazing incidence, which at present is too heavy on marginal forests. At the same time the improvement of water sources in such areas is being prescribed.

- (iv) Artificial regeneration is being expanded in timber forests, and continued in fuel forests, and bamboo is being planted in suitable localities where its introduction will be profitable. Wherever possible, artificial regeneration is to be done along with field crops.

- (v) The development of minor forest produce is being specially studied, and provisions made both for increased realizations from existing sources and for the artificial regeneration of species whose minor products are particularly valuable.

V.—UTILIZATION.

(i) SUPPLY OF PRODUCE.

(a) Timber.

87. The total output of timber was 71,700 tons as compared with 71,940 tons in the previous year.

The quantity of timber removed from reserved forests and leased forests by Government agency was 39,700 tons as against 31,500 tons in the previous year. The increase of 8,200 tons was mainly due to a greater outturn from departmentally worked coupes, from thinnings in the Godavari Lower and Kurnool West divisions and a larger production of sawn timber in the Coimbatore South and Wynaad divisions. As one cubic foot of log generally yields half a cubic foot of sawn timber—the quantity of sawn timber has been doubled to arrive at the gross output of logs.

There was a decrease of 4,320 tons under removals by purchasers from reserves. The decrease was due to the tendency to increase the system of working by departmental operations, in a number of places, a tendency which is reflected in the larger output from departmental operations.

The following table gives details of timber removed by agencies :—

(1)	By Government.		By purchasers.		Free grants	
	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.
	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.
Reserved forests and leased lands.	31,500	30,700	23,560	19,240	740	680
Reserved lands	5,940	3,300	5,820	4,340	4,000	3,920
Unreserves	37,440	43,060	29,380	23,580	4,740	4,600
Total						
(1)	By right-holders.		Total.		Approximate value of timber extracted in.	
	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.
	TONS.	TONS.	TONS.	TONS.	RS.	RS.
Reserved forest and leased lands.	..	..	55,800	50,020	21,76,200	27,42,520
Reserved lands	..	..	330	480	16,140	12,100
Unreserves	380	480	71,940	71,720	28,05,660	32,99,120
Total						

Softwood sales.

The following statement shows the quantities of softwoods extracted and the revenue realized during the two years. They consisted mainly of *Bombax malabaricum*, *Givotia rotlieriformis*, *Veteria indica* and *Melia dubia* :—

		C. FT.	Value.
			RS.
1938-39	..	33,953	5,933
1939-40	..	34,388	9,707

(b) Fuel.

88. 208,550 tons of fuel were extracted from reserved forests, reserved lands and leased forests. Of this, 8,613 tons were removed by Government agency, 198,312 tons by purchasers and the remaining 1,625 tons represent free grants. In the previous year out of a total of 206,488 tons, 9,350 tons were removed by Government agency, 195,363 tons by purchasers and the remaining 1,775 represented free grants.

The decrease of 737 tons removed by Government agency was due to the smaller yield obtained from a casuarina coupe in the Godavari Lower division and the smaller yield from thinnings and fellings of wind-fallen trees in the Kurnool West division.

There was an increase of 2,949 tons under removals by purchasers due to a fuller exploitation of reserves under revised working plans.

The outturn from unreserves was 18,188 tons, compared with 23,624 tons in the previous year.

The following table shows the details of the quantity of fuel removed by all agencies :—

	By Government.		By purchasers.		By free grants.		By right-holders.		Total.	
	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.
	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.	TONS.
Reserved forests, leased forests and reserved lands.	9,350	8,613	195,363	198,312	1,775	1,625	..	..	206,488	208,550
Unreserves	1,312	213	21,475	16,662	..	..	837	1,313	23,624	18,188
Total	10,662	8,826	216,838	214,974	1,775	1,625	837	1,313	230,112	226,738

Total value of firewood and charcoal realized in 1938-39, Rs. 6,59,118.

Total value of firewood and charcoal realized in 1939-40, Rs. 6,31,963.

(c) Bamboos.

89. The value of bamboos removed by all agencies was Rs. 3.68 lakhs compared with 3.97 lakhs in the previous year. The decrease was due to the following reasons :—

- In the Vellore East and West divisions only three kists were collected in the year as against four in the previous year, remissions being granted by Government on account of the flowering and consequent dying of bamboos.
- In the Kollegal division the prices realized were poor.
- In the Nilambur division a smaller quantity of bamboo was utilized for floating timber.
- In the Palghat, Nilgiris, and South Kanara divisions the demand was poor.

90. A controlled system of departmental extraction has been tried in recent years in some divisions, in order to demonstrate the proper method of working these coupes, to train both local labour and contractors on the right lines, and to have some control over prices. In the Vizagapatam division a coupe for which only Rs. 3,000 was offered realized Rs. 4,208 under departmental working. The system was also tried on a small scale in the Kurnool East, Nellore and Palghat divisions.

91. The value of bamboos removed by different agencies was :—

	By Government.		By purchasers.		Free grants.		By right-holders.		Total.	
	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.	1938-39.	1939-40.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Reserved forests, leased forests, reserved lands and un-reserves.	22,366	17,325	3,72,335	3,49,779	1,868	1,093	5	3	3,91,574	3,68,200

(d) Sandalwood.

92. During the year 1,063 tons of sandalwood were sold for Rs. 6,43,738, the average rate being Rs. 605 per ton, compared with 1,204 tons at an average price of Rs. 570 per ton in the previous year. A quantity of 104 tons was withdrawn from the annual sale at Tiruppattur depot. This appears to have had the effect of raising the price of sandalwood offered for sale at the Satyamangalam depot subsequently.

Retail sale of sandalwood to the public and temples were continued as usual.

(e) Grazing.

93. The following table shows the number of animals permitted to graze on payment in reserved forests and reserved lands and the grazing revenue realized :—

Circle.	Buffaloes.	Bullocks and cows.	Sheep.	Other animals.	Total.	Value of grazing. Rs.
Bellary	66,407	272,679	337,888	480	677,454	..
Salem	16,452	370,092	266,477	28	653,047	..
Coimbatore ..	9,713	319,990	133,502	133	463,338	..
Ootacamund ..	14,224	69,246	22,925	..	106,395	..
Total departmental forests ..	106,798	1,032,007	760,792	639	1,900,234	3,87,357
Panchayat forests ..	16,373	245,268	495,185	109	756,940	2,53,180
Grand total of the Province ..	123,174	1,277,276	1,255,977	748	2,657,174	6,40,487

(Further details are given in Form No. 33, Volume II.)

94. 10.62 per cent of the forests under departmental control were closed to grazing; 8.92 per cent throughout the year, and 1.7 per cent during part of the year.

95. Grazing permits were issued for 1,900,234 animals compared with 1,842,264 animals in the previous year. There was thus an increase of 57,970 animals or 3.14 per cent over those of the previous year. The grazing revenue realized was Rs. 3,87,357 as against Rs. 3,79,913 in the previous year.

The increase is attributable to a continued reaction to the recent reduction of grazing fees.

96. Prior to April 1939 grazing permits were issued by forest subordinates. But in April 1939 this work was entrusted to village headmen on a commission basis, experimentally in three divisions, viz., Salem North and South and Kollegal, where it has worked satisfactorily. The question of extending the system to other divisions is under consideration.

In the year under report 85,117 animals grazed free of charge as against 86,107 in the previous year.

The revenue foregone by the grant of grazing and grazing at concessional rates in departmental forests and panchayat forests was Rs. 24,919 and Rs. 5,911 respectively.

97. The average incidence of grazing in departmental forests was 4.95 acres per cow unit against 5.18 acres in the previous year. These average figures are however misleading, for the incidence falls unevenly. The accessible marginal forests are much over-grazed.

98. The number of cattle impounded during the year was 49,126 against 48,010.

99. Experiments in the introduction of better strains of fodder grasses were continued in several divisions.

100. The Provincial Fodder and Grazing Committee held three meetings during the year and gave its advice on important questions relating to grazing.

101. The report of the Special Grazing Officer (Mr. J. A. Wilson) on the various grazing problems of the province is under the consideration of Government.

Deferred and rotational grazing.

102. In some districts, felled fuel coupes carrying a good crop of grass owing to long closure were opened to cattle for a short period, the number being limited to the carrying capacity of the area, after which they were again closed. A special fee for grazing in such areas, based on the quantity and quality of the grass and local conditions was charged.

This is the "deferred grazing system." The twofold object is to make the best use of the improved pasture, and to reduce the risk of fire.

Following one or more periods of "deferred grazing" (and sometimes in areas where this system has not been practised) the system of "rotational grazing" is being increasingly applied. Here again the number of cattle admitted to the block is limited to its carrying capacity. All the cattle are grazed in one paddock for a limited period (usually a month) after which they are all moved on to the second paddock, and at the end of the second month to the third paddock, returning after the end of a further

month to the first paddock. A special fee, including or in addition to the ordinary grazing fee is generally charged for the grazing in these blocks. The object is to improve the quality and carrying capacity of the pasture.

Deferred and rotational systems of grazing were introduced in the Anantapur, Kurnool West, Cuddapah North and South, Chittoor, Vellore East, Salem North and South, Kollegal, Coimbatore North and Tinnevely divisions. The deferred grazing system was universally popular, owing to the absence of restrictions imposed. The rotational system has more inherent difficulties, but it is hoped and expected that it will become more popular when the ryots perceive its benefits. With this end in view, two rotational grazing demonstration plots in the Kurnool East division and one in the Chittoor division were opened to demonstrate to the public the benefits of the system.

103. To demonstrate to the ryots the benefits of making silage, to be kept in reserve against a fodder shortage, experiments were conducted in the Godavari Lower, Kurnool East and West, Nellore, Chittoor, Cuddapah North and South, Vellore East, Salem North and Tinnevely divisions.

104. An experiment in early cutting and quick drying of grass was conducted by Mr. J. A. Wilson in the Coimbatore North division at the request of the Provincial Fodder and Grazing Committee. It was a success.

105. Measures to improve the condition of a large number of foreign cattle, resorting to the Nallamalais for grazing, were taken by the Forest and Veterinary departments and a remission of four annas per cow unit was allowed to such of the Sugalis (professional graziers) as kept their pentas in a good sanitary condition. Inoculation against rinderpest was in force in the Nallamalais. In order to prevent the spread of rinderpest to the bison areas of Coimbatore, by village cattle resorting to them for grazing, Government ordered, a few years back, that only cattle protected by inoculation should be licensed. This restriction was suspended during the year as there was no rinderpest in the district and it caused needless inconvenience to the public.

106. In the Nellore division the Kancha system of grazing, with the departmental issue of permits, continued to be in force in three ranges. It has worked smoothly. But the department has lost about Rs. 10,000 by the change from the old system of leasing kanchas, in force till 1937.

(f) Minor forest produce.

107. The value of minor forest produce extracted was Rs. 5,13,708, compared with Rs. 5,28,538 in the previous year. The decrease was mainly due to the low prices obtained for the farms in the Chittoor, Salem North, Wynaad and Nilgiri divisions.

108. As usual the right to collect minor forest produce was leased to contractors, except in certain localities, where it was collected departmentally as in the Sriharikota Range of the Nellore division, in the Mudumalai Range of the Nilgiris division and in the Mannarghat and Palghat ranges of the Palghat division and in the Wynaad division. Certain items of minor forest produce such as lac, honey, wax, ivory and sambhur and deer horns were as usual collected departmentally.

109. In the Rampa Agency, the hillmen and the permanent residents are permitted to collect minor forest produce free and sell it at recognized markets, where seigniorage is collected at fixed rates. Tamarind is one such minor forest produce and is collected and sold in very large quantities. In the year under review, Government sanctioned a scheme for its departmental purchase and sale in one important centre, as an experimental measure for a period of six months, and appointed a Deputy Conservator of Forests to be on special duty for the purpose. The experiment was still in progress at the close of the year.

110. Lac operations were continued in the Salem North and Madura divisions.

In Salem North 22,414 lbs. of lac were collected and converted into polish, shellac, sealing wax and other products. In Madura, 188,000 lbs. of stick lac were collected against 135,000 lbs. in the previous year. About Rs. 14,400 worth of produce was sold, some stock remaining unsold at the end of the year.

Experimental lac operations were carried on in the Godavari Upper and Lower, Chittoor, and Coimbatore North divisions.

District Forest Officers, Rangers and Foresters were trained in lac operations either in Madura or in Salem North to enable them to supervise operations in their own divisions.

111. 4,022 lbs. of cardamoms were collected departmentally in the Tinnevely and Palghat divisions and sold for Rs. 4,196.

112.—

(g) Removal of forest produce as free grants and by right-holders.

	Timber.		Fuel.		Bamboos.	Grazing.	Other minor forest produce.	Total.
	C.F.T.	Rs.	C.F.T.	Rs.	Rs.	Rs.	Rs.	Rs.
Right-holders.	24,000	11,202	105,000	2,285	3	5,799	661	10,060
Free grants ..	230,000	51,957	130,000	4,400	1,093	8,018	4,710	70,187
Grants at reduced rates.	..	..	..	..	..	..	..	..
Total ..	254,000	63,159	235,000	6,704	1,096	13,817	5,371	1,06,811

Free grants were generally made to the poor for the reconstruction of their houses destroyed by fire or floods.

(h) General.

113. As usual the domestic and agricultural needs of the people were met from the departmental forests as far as possible. The concession of free removal of fodder grass in headloads was continued. In the Guntur division yepi leaf (*Hardwickia binata*) was

supplied for use as fodder in the three upland ranges, on a small fee of six pies per headload. Free grants of building materials were made as usual to the poor to rebuild their houses destroyed by fire. The supply of fuel and small timber was met by coupe contractors who were bound by the terms of their agreements to supply them near their coupes, at rates not exceeding those fixed by the District Forest Officers.

Coupes for the supply of agricultural implements were not opened during the year as there was no demand for them, except on terms inconsistent with the conservation of the forests. In the Kurnool West division spokes and felloes, agricultural implements and *Hardwickia binata* pillars were extracted and sold to the public at reasonable rates. In the Coimbatore South division also, spokes and felloes were sold.

As usual, the removal of manure leaf from reserves was allowed in divisions in which other sources of manure were lacking. Every effort was made to supply manure leaf from fuel coupes—by selling the manure leaf separately in advance of the felling for fuel, to suit the cultivation season. One coupe was leased in the Kurnool East division. Out of 32 fuel coupes offered for sale in this way in the Chittoor, Vellore East and West, Salem North and South and Nellore divisions, only four were sold for manure leaf working—one in Vellore West, one in Cuddapah North and two in Cuddapah South. Manure leaf was also supplied by the sale of special manure leaf coupes and by the issue of permits at scheduled rates. In South Kanara the villagers continued to enjoy the concession of free removal of manure leaf and dead wood.

114. The concession of removal of dead wood from reserves on payment of a small fee of six pies per headload was continued during the year in the Anantapur, Chittoor, Cuddapah North and South, Salem North and South, Kollegal, Coimbatore South, Palghat and South Kanara divisions. The concessions were made use of only in the Salem North, Kollegal, Palghat and South Kanara divisions. The concession was withdrawn in localities where it was not used, where it was abused, or where the stock of dead wood had been exhausted.

(ii) FOREST UTILIZATION DIVISION.

115. The Forest Utilization Officer continued to organize the special sales of timber in the form of logs and poles, and the supply of sleepers to the railways. He organized the supply of timber required by the Army Department and also the inspection and despatch of timber and bamboos purchased by that department from private sources. These sources of private supply were also investigated, and as a result of his enquiries, the work of the Department of Supply, in placing orders, was greatly facilitated.

The turn over of the division for the year was Rs. 3,25,751 compared with Rs. 3,97,371 in the previous year. The decrease was due to the fact that special sized sleepers were not supplied to the South Indian Railway during the year.

Timber market conditions.

116. The timber market showed slight signs of improvement. An increase in the prices of timber sold from the Mysore, Nanjangud and Beypore depots, was noticed, although the average prices realized in the Pollachi depot showed a slight decrease.

The prices realized for red sanders timber were below normal due to a want of demand on account of the Sino-Japanese War.

Sleeper supply to railways—Track sleepers.

117. Under the two year contract, entered into with the Chief Engineer, South Indian Railway, 30,000 B.G. and 17,000 M.G. hardwood track sleepers were supplied during the year, bringing in a revenue of Rs. 2,26,750.

Special sized sleepers.

118. No supply was made by the department to the railway, as the rates tendered by the department were not acceptable to the company. Proposals were, however, made by the railway, later in the year, for the supply of 10,000 teakwood sleepers in 1940-41 and these have been accepted.

Test length sleepers.

119. The Forest Utilization Officer made joint inspections with the representatives of the South Indian Railway and the Madras and Southern Mahratta Railway of treated and untreated sleepers laid for experimental purposes. The results were on the whole satisfactory.

Wooden poles for electric transmission lines.

120. An investigation into the supply of treated wooden poles for the Department of Electricity was continued. About 930 untreated poles were supplied to that department for use after treatment with "Ascu." The department has agreed to take 2,000 treated poles during 1940-41, 5 per cent to be treated with "Ascu" and the balance with "Creosote." Arrangements were also made for the erection of an open tank creosoting plant, in the Forest College estate at Coimbatore. Erection was completed and treatment of poles begun after the close of the year.

About 760 teakwood poles were supplied to the Papanasam Hydro-Electric Scheme from the Tinnevely division, for use as transmission line poles.

121. A Chevrolet lorry fitted with equipment for running it on charcoal gas was purchased by the department and is being used for the transport of sandalwood from Denkanikota to Tiruppattur. The purchase is in the nature of an experiment.

122. *Propaganda work.*—The Forest Utilization Officer exhibited forest products at all Indian Swadeshi Exhibitions at Coimbatore, Trichur, Tinnevely, Salem, Tiruvannamalai, Calicut and Madras.

In a fire in the Congress House Exhibition, Madras, on the 2nd January 1940 all the forest exhibits were destroyed. They are being replaced.

A short propaganda note on the supply of sleepers, and a note on the "Industrial uses of forests" were prepared and submitted to Government for the information of the public.

Supply of Army timber.

122-A. Ten thousand cubic feet of rosewood in sawn sizes, and 12,000 cubic feet of vengai (*Pterocarpus marsupium*) logs, ordered by the Gun Carriage Factory, Jubbulpore, are being supplied by the department. Three thousand cubic feet of Dhamin (*Grewia tiliifolia*) logs and 5,400 bamboo poles were supplied during the year. This is apart from arrangements made for the supply and inspection of large quantities of timber ordered for army purposes from trade sources.

123. *Import of timber into Madras and export from the Madras Presidency.*—The following table gives the details of timber imported into the Madras Presidency, and exported from the Presidency during the year:

[illegible]

VI.—FINANCE.

12a. The revenue and expenditure of the year is compared with that of the previous year and with the average of the previous quinquennium (1934-35 to 1938-39) in the following statement.

Revenue and expenditure of the year compared with that of the previous year and the average of the quinquennium 1934-35 to 1938-39.

Circle, etc.	Year.	Revenue.	Expenditure		Establishment.	Total.	Surplus or deficit.	Percentage of surplus to gross revenue.
			Conservancy and works.	in England and loss or gain by exchange.				
		RS.	RS.	RS.	RS.	RS.		
Bellary ..	1939-40 ..	8,72,496	1,53,784	.....	5,57,446	7,11,230	+ 1,61,266	
Salem ..	1939-40 ..	9,61,679	1,33,873	.....	5,07,821	6,91,694	+ 2,69,985	
Coimbatore ..	1939-40 ..	11,90,639	3,32,948	.....	5,04,450	8,37,398	+ 3,53,241	
Ootacamund ..	1939-40 ..	12,35,957	5,27,674	.....	5,20,619	10,48,293	+ 1,87,664	
Working Plans Section ..	1939-40 ..	2,272	5,529	.....	1,13,201	1,18,730	-- 1,16,458	
Forest Engineer ..	1939-40 ..	1,016	1,197	.....	22,594	23,791	-- 22,775	
Forest Utilization Officer ..	1939-40 ..	25,919	8,916	.....	65,773	74,689	-- 48,770	
Forest College ..	1939-40 ..	326	95	.....	15,556	15,651	-- 15,325	
Chief Conservator ..	1939-40 ..	1,524	7,648	.....	* 1,55,126	1,62,774	-- 1,53,602	
Charges in England ..	1939-40 ..	.....	.....	1,71,520	.....	1,71,520	-- 1,71,520	
Loss or gain by exchange ..	1939-40 ..	.....	.....	731	.....	731	-- 731	
Total for the Province ..	1939-40 ..	42,91,328	12,21,664	1,72,251	24,62,386	38,55,501	+ 4,35,327	10.14
Average for the previous quinquennium.	1938-39 ..	43,86,944	12,37,413	1,82,587	25,78,764	39,98,784	+ 2,88,160	8.85
Difference between ..	1938-39 ..	95,116	11,57,648	1,85,094	26,77,445	40,20,187	+ 4,58,965	10.24
Difference between ..	1938-39 ..	95,116	11,57,648	1,85,094	26,77,445	40,20,187	+ 4,58,965	10.24

• Value of free grants and concessions has not been taken into account. Made up of Rs. 1,38,584 cost of the Chief Conservator's establishment proper and Rs. 16,512, cost of the general establishments placed on special duty in the Chief Conservator's office.

The total revenue realized was Rs. 42.92 lakhs compared with 43.87 lakhs in the previous year. The fall was mainly under sandalwood. The outturn of this was less than in the previous year and certain stocks were held over as adequate prices were not offered.

The expenditure incurred was Rs. 38.57 lakhs compared with Rs. 39.99 lakhs in the previous year, a decrease of 1.42 lakhs.

The surplus of revenue over expenditure was thus Rs. 4.35 lakhs, compared with Rs. 3.88 lakhs in the previous year. The revenue foregone on account of free grants of timber and other produce and on account of grazing allowed at concessional rates amounted to Rs. 1.07 lakhs.

RECEIPTS.

125. *Government agency*.—There was a decrease in revenue from sandalwood of Rs. 0.44 lakh compared with the previous year. This was due to the smaller quantity of wood sold. The outturn was somewhat less than in the previous year, and some stocks were held over in the expectation of better prices. There was however an increase of Rs. 0.79 lakh in the revenue from timber removed by Government agency. The increase was chiefly in the Coimbatore South, Nilambur, Palghat and the Nilgiris due in Coimbatore South to the sale of a larger quantity, in Nilambur and the Nilgiris to the realization of better prices, and in Palghat to the supply of a larger number of railway sleepers and the sale of kolmarams collected in the previous year.

The revenue from firewood and charcoal exploited departmentally decreased by Rs. 0.07 lakh owing mainly to a smaller yield from casuarina plantations in the Godavari Lower division.

The revenue from other minor produce showed an increase of Rs. 0.12 lakh realized primarily from lac products in the Salem North and Madura divisions.

126. *Consumers and purchasers*.—The revenue from timber removed by consumers or purchasers dropped by Rs. 0.06 lakh.

There was also a small decrease of 0.07 lakh in the revenue from firewood. The revenue from bamboos showed likewise a decrease of Rs. 0.28 lakh. The decrease was mainly due to the grant of large remissions in the Vellore East and West divisions, and to the realization of lower prices for bamboo coupes in the Guntur and Godavari Upper divisions. There was a decrease of 0.31 lakh in the revenue derived from other minor produce removed by consumers or purchasers. The decrease occurred mainly in the Godavari Upper and Lower, Kurnool East and West, Chittoor, Salem North and the Wynaad divisions. In Godavari Lower, the tamarind crop was late and poor owing to cyclones, in Kurnool East, the soapnut crop was a failure, in Godavari Upper, part of the lease amount of tuniki leaves due during the year had been realized in 1938-39, in Kurnool West, certain

items of minor forest produce were exclusively set apart for the Chenchus under a co-operative society scheme, in Chittoor and Salem North, the prices obtained for minor forest produce farms were low, and in the Wynaad the produce was collected departmentally.

Revenue department.—There was a net decrease of revenue by Rs. 0.53 lakh from miscellaneous sources, and realizations from Revenue departments. These are fluctuating items.

EXPENDITURE.

127. There was a net decrease of Rs. 1.42 lakhs compared with the previous year as shown below:—

	LAKHS.
10. b. Conservancy and works	— 0.16
10. Forest establishments	— 1.26
Total ..	— 1.42

The decrease under “Conservancy and Works” occurred mainly under “Buildings and other works—Voted—Buildings” due to curtailment of expenditure as a measure of economy on account of the war. The fall under “Establishments” was mainly due to

- (1) the retirement of one Conservator and one Assistant Conservator;
- (2) the death of a Conservator and a Deputy Conservator; and
- (3) the abolition, as a measure of retrenchment, of
 - (a) the Forest College;
 - (b) the South Kurnool and Salem Central divisions;
 - (c) some ranges; and
 - (d) several posts of foresters and forest guards.

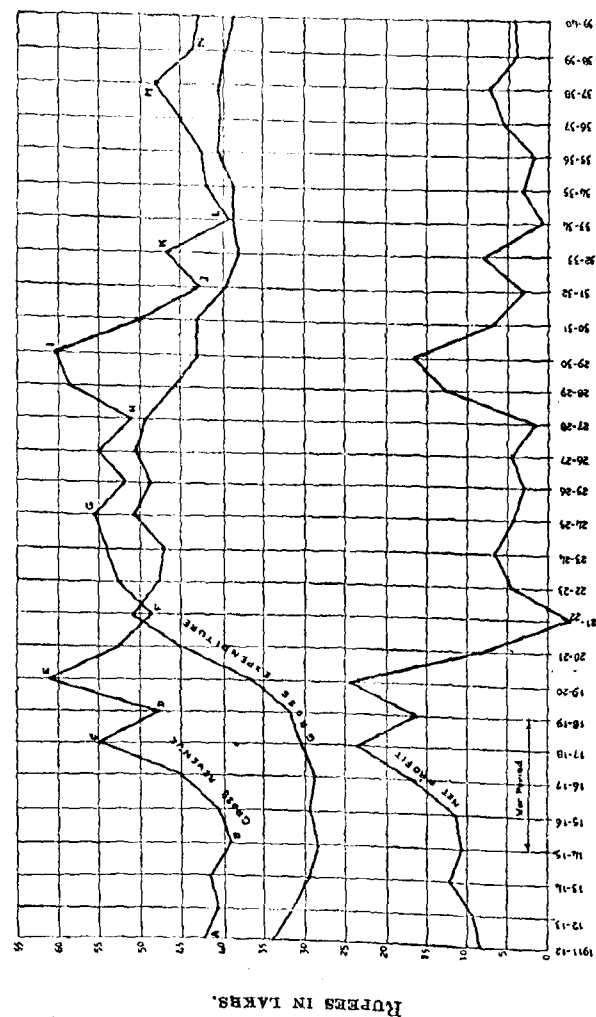
The graphs at pages 32 and 33 illustrate the financial position of the department from 1911-12 to 1939-40.

128. The actual surplus of revenue over expenditure has been shown above. The value of stores at the beginning and end of the year, depreciation, revenue outstandings and good debts, are not taken into account.

These (the value of stores and stocks, and of outstanding revenue) are therefore given separately below. There is a small decrease in the year—

	At the beginning of the year rupees in lakhs.	At the close of the year rupees in lakhs.
a. Value of timber, etc., in depots	5.40	6.34
b. Value of tools and plants	6.68	6.87
Revenue outstandings	6.49	5.23
Good debts, advances, etc.	0.07	0.05
Total ..	18.64	18.49
Decrease ..	..	0.15

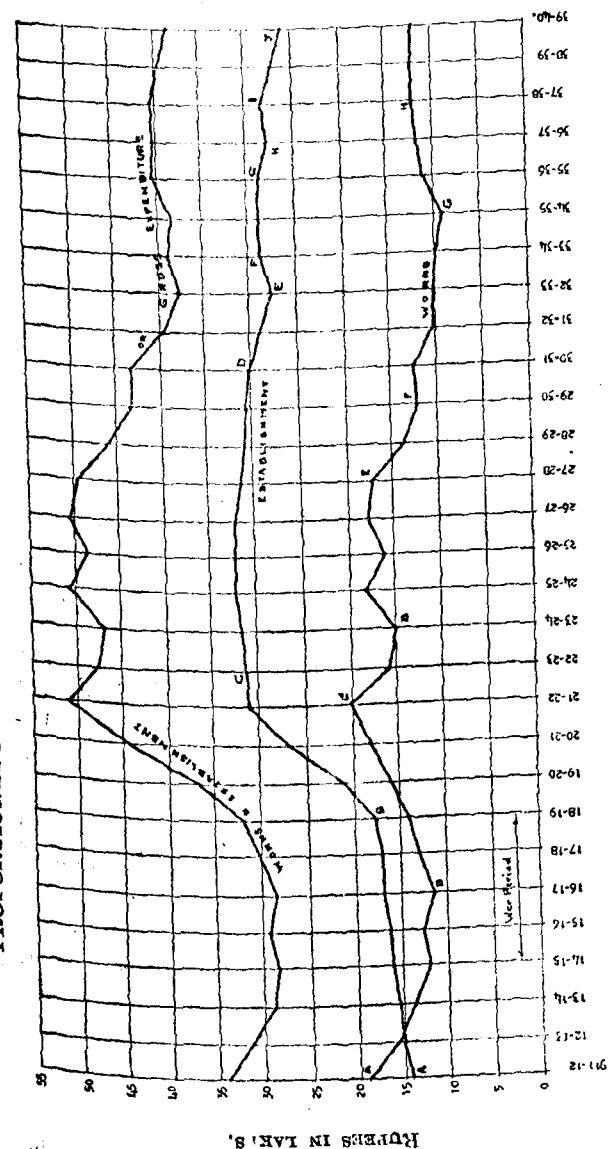
REVENUE AND EXPENDITURE.



BRIEF EXPLANATION FOR VARIATIONS IN GROSS REVENUE.

- A-B General fall due to the commencement of war.
B-C Rise due to demand created by war conditions.
C-D Supply of tan stuffs controlled by the Munitions Board.
D-E Control of the Munitions Board over the supply of tan stuffs withdrawn.
E-F Post-war falling of in demand.
F-G General improvement in world conditions.
G-H Transfer of reserves to panchayats.
H-I Universal boom.
I-J Realization of previous outstandings.
J-K No such special realizations.
K-L Better world conditions.
L-M Reduction of Grazing Fees.
M-N

PROPORTIONATE EXPENDITURE ON ESTABLISHMENT AND WORKS.



BRIEF EXPLANATION FOR VARIATIONS IN THE EXPENDITURE.

On works.

- A-B Change to contract system in working fuel coupes.
B-C Rise due to special development schemes.
C-D No special expenditure as in the previous period.
D-E General rise due to the erection of mills and to extended timber operations.
E-F Closure of mills.
F-G Financial stringency.
G-H Resumption and expansion of sleeper operations.

On establishment.

- A-B Formation of additional circle and grant of war allowance.
B-C Re-organization of the services and formation of two additional circles.
C-D Special appointments being made and terminated, also staff reduced on account of transfer of Reserves to Panchayats.
D-E Emergency cut in salaries.
E-F Withdrawal of cut in the case of services other than I.P.S.
F-G
G-H
H-I
I-J Period of Retrenchment—Abolition of circles, divisions,—Madras Forest College.

VII.—GENERAL.

(i) PRESERVATION OF WILD LIFE.

129. (a) The protection of game continued as one of the normal activities of the department. In the Palnis and the Nilgiris there are special organizations—Game associations—formed long ago. The difficulties of game preservation tend to increase with the penetration of roads to remote areas.

(b) The department continued to hire out some of its trained riding elephants to the public to enable those interested to observe wild life in its natural surroundings, in the Mudumalai range of the Nilgiri division.

(c) Statistics of animals shot by holders of shooting licences in reserved forests under the control of the Forest department are incorporated in this report and are printed in Form 44-A.

(d) The more important salt licks and water holes frequented by wild animals have been marked on maps, and these are visited by subordinates periodically.

(e) Government have sanctioned the formation of a wild life sanctuary, 23 square miles in extent, in the Mudumalai reserved forest in the Nilgiri division. Detailed regulations for its management are under the consideration of Government.

(f) Bison are reported to be on the increase in the Vellore East and West divisions. Wild elephants have visited the North Salem forests more frequently. "White" bison in the Manjampatti valley of the Madura division are specially protected; and in the Coimbatore district regulations are in force providing for the inoculation against rinderpest of all cattle admitted to graze in certain bison areas at seasons when there is any danger of infection.

The Nilgiri Game Association pays a reward of Rs. 10, to which a like sum is added by Government, for the destruction of wild dogs in the Nilgiris.

(g) During the year, 125 cases of offences against the game laws were reported. Of these 69 were compounded, 19 convicted, 7 acquitted, 9 withdrawn and 21 were pending in court at the close of the year.

(ii) HILL TRIBES.

130. (a) The Forest department continued to look after the welfare of aboriginal tribes inhabiting the forests. They were provided with lands within the forests for cultivation on annual leases or under the "kumri" system, free of assessment. In the Agency tracts, the hill tribes continued to enjoy free removal of

forest produce for domestic and agricultural purposes, free grazing and hunting. In the Godavari Upper division it is still, unfortunately, considered expedient to allow them to go on doing "podu" (shifting) cultivation in unreserves. In return for these concessions they are expected to protect the forests from fire and supply labour for forest works, for which they were paid at local rates. In some cases they were also paid money rewards for successful fire protection.

(b) The Yenadis of Sriharikota range in the Nellore division, consisting of 66 families, continued to be employed on the collection of minor forest produce and the watering of casuarina plantations. The wages earned by them amounted to Rs. 1,690, besides which rewards to the value of Rs. 1,179 were distributed to them in the shape of cash, provisions and cloth. A special Provident Fund system has been instituted for them, by which they were persuaded to invest a portion of their cash rewards in the Post Office Savings Bank under the control of the District Forest Officer, as provision against illness and old age. Their deposits amount to Rs. 4,244. The Co-operative Society formed for the benefit of these men and the forest subordinates worked satisfactorily.

(c) As usual the department looked after the Chenchus of the Nallamalais (a criminal tribe). Their exact population is not known, though it is believed to be in the neighbourhood of 4,000. The post of the Assistant Chenchu Officer (a Ranger) has been kept in abeyance during the year. His duties were discharged by the territorial rangers within their jurisdiction. The expenditure incurred on them was Rs. 29,669 as against Rs. 31,186 in the previous year. They enjoyed the customary concessions of free grazing and hunting and free removal of fuel, small timber and minor forest produce. They were employed on forest works both by Government and by contractors. But these works are suspended during the rainy season and it is then, when they are left idle, that they are most tempted to revert to their criminal habits. Efforts continued to be made, therefore, to divert them from crime by persuading them to take up regular work or cultivation. Some have taken up road work, and others cattle breeding. Some, living close to villages, were employed by ryots for watching their crops, in return for wages in the form of grain. In some of the gudems, plainsmen have been appointed as headmen to teach them cultivation, and they are reported to have shown a greater interest in cultivation than in the past. Out of 3,027 acres of land granted to them for cultivation, free of assessment, an area of 1,532 acres has been brought under cultivation, the outturn of which is roughly estimated to be worth Rs. 9,000. They were granted advances free of interest to the extent of Rs. 3,904, for the purchase of bulls and agricultural implements. Tapioca cultivation has been successfully introduced in some of the gudems.

Deserving Chenchus continued to be employed as headmen, deputy headmen, talayaris, forest guards and watchers, and teachers in Chenchu schools.

The Chenchus were allowed to collect the customary fees from the pilgrims visiting the Srisailem temple, in return for protecting their persons and property and transporting their goods.

A Chenchu Co-operative Purchase and Sale Society for the Kurnool West division was formed with 464 members on its rolls. It purchased and sold 9,435 lbs. of tamarind to the Central Jail, Bellary, and several Government hospitals.

Chenchu crimes were on the decrease. One case of dacoity ended in the discharge of the accused. After the tentative abolition of the Assistant Chenchu Officer's post, the magisterial work relating to Chenchu offences was transferred to the Magistrates having jurisdiction over the gudems.

Twenty-four elementary schools were maintained during the year, with classes up to the V standard. They had 395 boys and 256 girls on their rolls. The pupils were supplied with free books, stationery, clothing and midday meals on working days. Twenty-three Chenchu boys were admitted to the District Board High School at Atmakur, for higher study and were given monthly stipends and a private tutor to coach them. Healthy Chenchu boys were admitted in the industrial section of the labour school at Atmakur and 12 were trained in carpentry and smithy under village artisans. Children were given vocational training in gardening, agriculture and local handicrafts.

The hospital at Pecheruvu gave medical relief to the sick. Quinine was freely distributed in all the gudems.

(d) The department continued to protect the Malayalis of the hill tracts of the North Arcot and Salem districts. The hill village system, under which they are allowed the free removal of forest produce for their own use, and virtually free grazing also, in return for satisfactory protection of the forests entrusted to them, was in force in these tracts and has worked satisfactorily. The Malayalis were employed on forest works both by the department and by contractors. The land revenue administration of some of the Javadi hill villages in the Vellore West division was carried on by the Forest department.

(e) The local hill tribes continued to enjoy the concession of rent-free leases of cultivable lands, within reserves in the Coimbatore, Malabar and Nilgiris districts, in return for which they protected the forests from fire and supplied labour for forest works on payment. The hill tribes of these districts and also of South Kanara were employed in forming teak and fuel plantations by the kumri method.

(f) "Kumri" was encouraged both in the hill tracts and in the plains. The following table shows the area of plantations

formed by the kumri method and the help rendered to the jungle tribes and plainsmen in the various divisions:—

Name of circle.	Area regenerated by kumri method.		Area cultivated in each division and the number of persons employed.		
	On previous years.	In 1930-40.	Division.	Area.	Number of persons employed.
(1)	(2)	(3)	(4)	(5)	(6)
	ACS.	ACS.		ACS.	
Bellary	22	116	Anantapur	85	37 families.
			Kurnool, East	26	6 persons.
			Guntur	6	"
Salem	87	210	Cuddapah	3	1 person.
			Chittoor	24	6 families.
			Vellore, West	30	1 person.
			Nellore	35	12 persons.
			Salem, North	118	52 "
Coimbatore	1,754	577	Coimbatore, North	10	20 "
			Salem, South	76	263 "
			Coimbatore, South	148	84 families.
			Kollegal	40	80 persons.
			Madura	204	68 "
			Tinnevely	42	22 families.
			Do.	57	"
Ootacamund	3,817	397	South Kanara	132	"
			Wynaad	193	141 persons.
				42	"
			Nilambur	11	"
			The Nilgiris	19	"
	5,680	1,300			

NOTE.—In some divisions column (6) has been left blank as details are not available.

(iii) FAMINE AND FODDER OPERATIONS.

131. There were no famine and fodder operations during the year. But in order to demonstrate to the ryots the correct methods of stocking and preserving fodder against scarcity, an experiment in early cutting and quick drying of grass was made in the Coimbatore North division and silage experiments were undertaken in other divisions.

(iv) PROHIBITION.

132. The prohibition of traffic in, and use of, intoxicating liquors and drugs continued to be in force in the Cuddapah, Chittoor, North Arcot and Salem districts. Under section 35 of the Prohibition Act, officers of all departments are required to help in enforcing its provisions. Forest officers and subordinates did their part within forest areas.

(v) ANTI-EROSION WORK.

133. The evil effects of the denudation of forests and consequent soil erosion resulting in water scarcity alternating with destructive floods, are becoming apparent to the public to a greater extent than in the past.

The note published by the Fourth British Empire Forestry Conference held in 1935 entitled "Forests in relation to climate, water conservation and erosion" is being translated into provincial languages, to be printed and distributed to the public.

Models and posters illustrating the evil effects of denudation and soil erosion were displayed in the exhibitions in which the Forest department participated. Instructional posters translated into provincial languages were also distributed to villagers in proximity to reserved forests.

In the Anantapur division a plantation covering an extent of 579 acres was started in 1907 to stabilize the loose sand of the Hagari river and prevent it from invading the adjoining patta lands. A scheme for extending the plantation at a cost of Rs. 75,000 was drawn up and is under the consideration of Government. A small area has been planted with useful trees along the banks of the Gundlakamma river in the Kurnool East division, to prevent erosion. The regeneration of the Madinakonda hill reserved forest near Madanapalle was undertaken to check soil erosion. The method adopted was the formation of trenches to collect rain water to provide moisture for the seedlings, and bunding the waterways. An experiment in contour trenching was started in a badly denuded area in the Nagapatla reserved forest in the Chittoor division.

(vi) HEALTH.

134. The subordinate staff and labour continued to suffer from malaria in the Agency, the Nallamalais and in many other hill tracts. Plague occurred in virulent form in parts of the Salem North division. Black water fever is said to be tending to become endemic in the Wynaad division.

135. Anti-malarial measures were continued. The precincts of departmental buildings were kept clear of rank vegetation and stagnant water. Quinine was supplied free to subordinates and labourers. In certain localities, where malaria is virulent, such as Mamandur in Chittoor, the Nallamalais in Kurnool, the Anamalais in Coimbatore South and in certain parts of the Wynaad, local medical officers frequently visited the forest settlements and rendered medical aid to the subordinates and the labourers and their families. Wells are being constructed in the Javadis where there is a scarcity of water. The anti-malarial measures recommended by Dr. Measham of the Ross Institute were continued with most beneficial results at Top Slip in the Coimbatore South division.

136. The Chief Conservator records with deep regret the untimely death of two distinguished members of the Indian Forest Service, viz., Messrs. G. C. Robinson and F. D. Ardagh.

He also regrets to record the death of four foresters, twenty forest guards, nine watchers, five clerks and three menials. Of these, six forest guards and one watcher died of malaria and one forest guard of black water fever in Wynaad.

(vii) MISCELLANEOUS.

137. The Hon'ble the Minister for Agriculture and Rural Development toured in parts of the Vellore East, Madura and Kollegal divisions.

138. Forest Officers freely interviewed the people during their tours, explained to them the importance of forest conservancy both for climatic and utilitarian reasons, the advantages of the kumri system and the rotational grazing system. They also heard their grievances and took steps to redress such of them as were legitimate and consistent with the present forest policy. Earnest endeavours were made to create in the mind of the ryots a sense of the value of forest conservancy and an understanding of its problems, and to enlist their co-operation in matters in which they and the department have a common interest.

139. Conservators have inspected all District Forest offices and District Forest Officers have inspected all Range offices and depots. The results were satisfactory except in certain divisions affected by the recent amalgamations, as a result of which the increased work shows signs of becoming unmanageable.

140. The audit staff of the Accountant-General's office inspected the accounts of the Vellore East, Salem South, Nilambur and the Provincial Silviculturist's divisions. The results were satisfactory.

141. The Chief Conservator of Forests wishes to express his appreciation of the loyal support he has received from all ranks of the service.

W. G. DYSON,
Chief Conservator of Forests.

Names of the more important species occurring in the Administration Report.

Botanical name.	Common name.	Tamil name.	Telugu name.	Malayalam name.	Kanarese name.
<i>Acacia decurrens</i> ..	Wattle ..	Seenal velampattai ..	Munthamamidi ..	Parankinavu ..	Geru ..
<i>Anacardium occidentale</i> ..	Cashew ..	Mundiri ..	Ainee ..	Ayini ..	Hebbalasu ..
<i>Artocarpus hirsuta</i> ..	Ainee ..	Perumoonagal ..	Bongu ..	Mullumula ..	Bikuru ..
<i>Bambusa arundinacea</i> ..	Bamboo ..	Mul elavam ..	Burunga ..	Poola ..	Buruga ..
<i>Bombax malabaricum</i> ..	Semula ..	Avaram ..	Tangedu ..	Ponnavaaram ..	Sime Tangedi ..
<i>Cassia auriculata</i> ..	..	Ponnavaram ..	Jittagi ..	Mannakkannai ..	Vite ..
<i>Cassia siamea</i> ..	Rosewood ..	Iti ..	Gattiveduru ..	Yeetti ..	Gandibediru ..
<i>Dalbergia latifolia</i> ..	Bamboo ..	Kal-moonagal ..	Thellapoliki ..	Chadachi ..	Buttele ..
<i>Dendrocalamus strictus</i> ..	..	Vendula ..	Pedda jana ..	..	Acca ..
<i>Gliricidia rolleiiformis</i> ..	Dhama ..	Thadasal ..	Yepi ..	..	..
<i>Grewia tiliaefolia</i> ..	Anjan ..	Acha ..	Munnati-karaka ..	..	..
<i>Hardwickia binata</i> ..	Hopea ..	Irumbogam ..	..	..	..
<i>Hopea parviflora</i> ..	..	Malavembu ..	..	..	..
<i>Melia dubia</i> ..	..	..	..	..	..
<i>Pterocarpus dalbergioides</i> ..	Andaman padauk ..	Vengai ..	..	..	..
<i>Pterocarpus marsupium</i> ..	Bijasal ..	Sanchandanam ..	..	..	..
<i>Pterocarpus santalinus</i> ..	Red sanders ..	Chandanam ..	..	..	..
<i>Santalum album</i> ..	Sandalwood ..	Cendalai ..	..	..	..
<i>Sterculia wrens</i> ..	..	..	..	..	..
<i>Swietenia macrophylla</i> ..	Mahogany ..	..	..	..	..
<i>Tectona grandis</i> ..	Teak ..	..	..	..	..
<i>Terminalia chebul</i> ..	Gallnut ..	..	..	..	..
<i>Terminalia paniculata</i> ..	Kindal ..	..	..	..	..
<i>Terminalia tomentosa</i> ..	Laurel ..	..	..	..	..
<i>Vateria indica</i> ..	Piney ..	..	..	..	..
<i>Xylia xylocarpa</i> ..	Irul ..	..	..	..	..

Definition of some technical terms used in the Administration Report.

Afforestation	The establishment of a new forest by artificial means.
Age gradations	A series (or part of a series) of trees or woods ranging from the seedling to the mature stage.
Artificial regeneration	The renewal of a forest crop, by sowings, plantings or other artificial means.
Catchment areas	The total area from which water collects in a given drainage area.
Clear-felling	The complete removal of a standing crop in one operation.
Climber	A general term including climbing plants that ascend upon a support by twining by means of tendrils, hooks, serial roots or other attachments.
Coppice system or simple coppice system.	The removal of a whole crop with a view to its regeneration from stems springing from the stumps and not from seed.
Coupe	A felling area, usually annual.
Defoliation	Shedding or loss of leaves owing to abnormal causes.
Deciduous forest	A forest composed of trees which are leafless for some time during the year.
Denudation	The laying bare of soil by the removal of vegetative covering to such an extent that erosion is likely to occur.
Evergreen forest	A forest composed mainly of trees the leaves of which persist, at least for a whole year so that it is never leafless.
Gregarious flowering (bamboos).	The flowering (of species which do not flower annually) over considerable areas within one year (or a few years) such flowering being usually followed by the death of the plant.
Hardwoods	Trees which possess a well-defined heartwood.
High forest	A forest of seedling origin worked under a long rotation.
Kumri system of plantation	Consists in simultaneously raising a timber and a field crop on a clear-felled area fertilized by the ashes resulting from burning the debris left in the area.
Natural regeneration	The renewal of a forest crop by self-sown seed or by stool or root shoots.
Nursery	An area in which young seedlings are raised for forest planting.
Rab regeneration	Consists in burning slash in lines or patches and sowing seed of useful species in the mixture of ash and soil.
Rotation	The number of years determined on between the formation or regeneration and the final felling of a forest crop.

Definition of some technical terms used in the Administration
Report—cont.

Rotational grazing	Consists in dividing the grazing area into three or more paddocks in each of which a limited number of cattle are allowed to graze for a specific period in rotation.
Selection felling	Methodical removal of exploitable trees either singly or in groups with a view to producing a new crop from self-sown seedlings.
Soft wood	Timber with no definite heartwood; or trees of rapid growth and short life.
Spike	A virus disease peculiar to sandalwood which kills the plant.
Stump (or stool)	The lowest part of a tree with the roots.
Thinning	The removal of excess stems from a crop, beyond the sapling stage, with the object of diminishing adverse competition and affording more light and growing space.
Working plan	A written scheme of management, aiming at a continuity of policy, controlling the treatment of a forest.

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APPENDIX A.—Comparative statement of number and

Circle.	A. Fires caused by accidents or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		C. Fires beginning inside Owing to carelessness or accidents.					
					By workmen engaged in forests or by purchasers of forest produce and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.	
(1)	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Bellary	9	7,750	39	54,127	34	22,705	243	100,547	11	2,823
Salem	21	1,830	40	11,082	48	10,078	126	20,086	4	1,126
Coimbatore ..	18	898	27	2,946	22	1,055	72	7,262	8	199
Ootacamund ..	25	1,225	86	7,763	4	23	99	3,409	4	2
Total for the Province.	73	11,553	192	76,518	108	33,856	539	131,304	27	3,950

of fires that occurred during the calendar year 1939.

In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.	Total of C.		Causes unknown.		Total of A, B, C and causes unknown.	
Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(14)	(15)	(16)	(17)	(18)	(20)	(21)	(22)	(23)	(24)	(25)
64	33,629	29	34,945	15	396	205,012	87	70,093	541	336,985
479	227,068	18	6,706	25	690	288,892	152	44,593	912	348,847
130	12,901	1	50	35	270	26,744	411	84,408	726	114,997
40	4,904	23	1,383	22	193	11,436	264	34,784	568	55,207
713	278,502	71	43,084	97	1,559	532,084	924	233,878	2,747	854,011

APPENDIX B.—Comparative statement of cattle impounded during 1939-40.

Circle.	Number of cattle impounded.		Average for the past three years ending 1938-39.
	1938-39.	1939-40.	
(1)	(2)	(3)	(4)
Bellary	20,677	19,186	19,211
Salem	14,207	16,074	14,282
Coimbatore	9,562	12,043	† 10,314
Ootacamund	+ 1,218 *	1,823	2,242
	2,346		
Total for the Province ..	46,792	49,126	45,999
	+ 1,218 ‡		

* Of Salem Central division since abolished.

† Includes the 1938-39 figures (406) of Salem Central division since abolished.

‡ Of Salem Central division.

FORM No. 25.

Area of reserved forests and reserved lands during 1939-40.

25.

Area of reserved forests

lands during 1939-40.

Division.	Area of reserved forests.							March 1940.	Area of reserved lands.							Total area of reserved forests and reserved lands in square miles.		
	Area on 1st April 1939.		Added during the year.	Excluded during the year.	Equivalent		Area on 1st April 1939.		Added during the year.	Excluded during the year.	Area on 31st March 1940.							
	ACRES.	Equivalent in square miles.			ACRES.	ACRES.	ACRES.				Class	ACRES.	Equivalent in square miles.	ACRES.	ACRES.		ACRES.	Equivalent in square miles.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)			
Anantapur	1,170,985	1,830	187	312	1,170,810	67	{1,110 42}	1,829	..	..	..	..	..	..	1,829			
Kurnool, East	685,915	1,072	..	..	685,915	1,02	48	1,072	..	..	..	..	..	..	1,072			
Do. West	578,942	897	..	..	578,942	88	12	897	..	..	..	..	..	..	897			
Guntur	731,740	1,143	..	680	731,080	79	{808 41}	1,142	..	..	..	..	..	..	1,142			
Godavari, Lower	236,753	370	..	..	236,753	29	74	370	95,455	149	71,500	..	166,955	261	631			
Do. Upper	567,664	887	..	..	567,664	88	..	887	..	..	..	..	..	..	887			
Vizagapatam	370,692	570	..	36	370,656	54	83	570	1,313	2	..	..	1,313	2	581			
Total	4,357,641	6,778	187	1,028	4,336,800	5,11	1,663	6,776	96,768	151	71,500	..	168,268	263	7,039			
Chittoor	502,070	785	6	46	502,030	57	209	785	..	..	..	..	..	..	785			
Vellore, East	537,398	840	..	130	537,268	47	369	840	..	..	..	..	..	..	840			
Do. West	243,920	381	158,302	35,051	387,171	49	82	574	..	..	1,700	..	1,700	3	577			
Salem, North	335,145	524	115,928	228	450,845	69	10	704	..	..	..	..	..	..	704			
Ouddapah, North	712,842	1,114	..	2	712,840	98	176	1,114	..	..	..	..	..	..	1,114			
Do. South	440,978	689	21	22	440,977	66	20	689	514	1	..	21+10	483	1	690			
Nellore	529,739	827	23	..	529,762	41	413	827	..	..	..	..	..	..	827			
Total	3,302,092	5,160	274,280	35,479	3,540,893	4,25	1,279	5,533	514	1	1,700	{21 + 10}	2,183	4	5,537			

Area of reserved forests

Divisions.	Area of reserved forests.				
	Area on 1st April 1939.		Added during the year.	Excluded during the year.	
	ACRES.	Equivalent in square miles.			
(1)	(2)	(3)	(4)	(5)	(6)
Kollegal					
Coimbatore, North	601,896	940			601,896
Do. South	556,436	870			556,436
Madura					
Tinnevely and Ramnad	258,041	403		13	258,041
Salem, South	424,765	664		4	424,752
	268,598	420		211	268,592
	439,698	687	156,627	4	
				5	
				32	506,077
Do. Central	895,066	617		156,627	
Tanjore	23,879	37		238,439	
					238,79
Total ..	2,968,277	4,638	156,627	395,321	2,729,573
Kanara, South					
Wynad	516,814	808	21	27	516,835
	168,754	264		110	168,617
Nilambur					
The Nilgiris	66,169	103			66,169
Palghat	308,349	482	29		308,378
	169,055	264		0'02	169,056
Total ..	1,229,141	1,921	50	187	1,229,054
Total for the Province ..	11,887,351	18,497	431,144	431,975	11,836,420

* Details for the area under the control of Forest department:—

Area of class I reserved forests

Area of class I reserved forests

Deduct area managed by the Adoni Municipality 15,125

in Anantapur and the area under control of the Public Works

the Public Works Department and the Tuti-

corin Port Trust in Tinnevely

Total area of class I forest under control of the Forest department 5 + 2

Area of reserved forests in class III under control of Forest department—

ment—
Bellary Circle

**Bellar,
Salem**

**Salem
Colmba**

УДДЕЛ

Total .. 15,287

No. 25—cont.

reserved lands during 1939-40—cont.

March 1940.		Area of reserved lands.						Total area of reserved forests and reserved lands in square miles.		
		Area on 1st April 1939.		Added during the year.	Excluded during the year.	Area on 31st March 1940.				
		ACRES.	Equivalent in square miles.			ACRES.	Equivalent in square miles.			
Class III or ryots forests.	Total.	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Circle.										
39	940	..	..	..	..	..	..	..	..	940
5	870	..	..	..	..	..	..	..	..	870
48	408	..	..	229	..	..	..	229	0.39	404
11	664	..	..	..	..	..	..	228	0.39	664
311	420	228	0.39	..	..	..	..	1,903	3.00	420
	931	1,903	3.00	..	..	..	..	..	..	934
..	..	1,700	3.00	..	1,700	..	..	..	..	..
4	37	..	..	..	..	..	..	..	..	37
415	4,265	3,831	6	229	1,700	2,360	4	4,269		
..	808	20	..	26	20	25	..	808		
..	264	22	..	..	..	22	..	264		
..	103	14,172	22	13	..	14,172	22	125		
10	482	7,500	12	3,623	..	7,500	12	494		
	204	..	..	..	..	..	..	204		
10	1,921	21,719	34	3,561	20	21,719	34	1,855		
2,270	18,495	119,391	186	78,990	1,741 + 10	184,530	285	18,900		

FORM No. 28.

Progress made in Working Plans during 1939-40.

Division.	Areas for which working plans have been completed and approved.		Areas for which working plans are being completed or have been completed but not sanctioned.		Areas for which working plans have still to be taken on hand.	Total forest area as in Form No. 25.
	At commencement of year.	During the year.	At commencement of year.	During the year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
BELLARY CIRCLE.						
<i>Reserved Forests.</i>						
Anantapur	677	..	..	..	42	719
Kurnool, East ..	1,055	..	..	17	..	1,072
Kurnool, West ..	871	..	9	5	..	885
Vizagapatam ..	546	..	..	..	..	546
Guntur	818	..	..	..	21	839
Godavari, Lower ..	206	..	..	..	..	206
Godavari, Upper ..	..	887	..	..	..	887
Total	4,263	887	9	22	63	5,244
<i>Reserved Lands.</i>						
Godavari, Lower (Rampa.) ..	..	..	..	..	261	261
<i>Leased Forests.</i>						
Vizagapatam	2	..	..	..	..	2
SALEM CIRCLE.						
<i>Reserved Forests.</i>						
Chittoor	570	..	..	..	..	570
Vellore, East ..	471	..	..	..	..	471
Vellore, West ..	492	..	..	..	..	492
Salem, North ..	694	..	..	..	..	694
Cuddapah, North ..	938	..	..	..	..	938
Cuddapah, South ..	871	..	..	..	..	871
Nellore	119	..	295	..	3	417
Total	3,961	..	295	..	3	4,259
<i>Reserved Lands.</i>						
Vellore, West	3	..	..	..	..	3
Cuddapah, North ..	..	..	..	..	1	1
Total	3	..	..	..	1	4
COIMBATORE CIRCLE.						
<i>Reserved Forests.</i>						
Kollegal	940	..	..	..	..	940
Coimbatore, North ..	829	..	..	..	..	829
Coimbatore, South ..	398	..	..	..	2	398
Madura	620	..	..	..	..	620
Tinnevely	407	..	..	..	..	407
Salem, South	620	..	..	..	5	625
Tanjore	36	..	..	..	..	36
Total	3,850	..	..	..	1	3,851
<i>Reserved Lands.</i>						
Salem, South	3	..	..	..	..	3

Progress made in Working Plans during 1939-40—cont.

Division.	Areas for which working plans have been completed and approved.		Areas for which working plans are being completed or have been completed but not sanctioned.		Areas for which working plans have still to be taken on hand.	Total forest area as in Form No. 25.
	At commencement of year.	During the year.	At commencement of year.	During the year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
OOTACAMUND CIRCLE.						
<i>Reserved Forests.</i>						
South Kanara	808	..	..	..	..	808
Wynad	262	..	2	..	..	264
Nilambur	103	..	..	..	..	103
Palghat	254	..	..	..	..	254
The Nilgiris	159	323	..	..	..	482
Total	1,586	323	2	..	..	1,911
<i>Reserved Lands.</i>						
The Nilgiris	..	6	..	..	..	6
<i>Leased Forests.</i>						
Nilambur	22	..	..	..	..	22
Abstract for the Province.						
Total for the Province—						
Reserved forests ..	(c) 13,660	1,210	306	27	69	(a) 15,272
Reserved lands ..	6	6	..	..	262	(b) { 274
Leased forests ..	24	..	..	..	..	24
Grand total ..	(c) 13,690	1,216	306	27	331	15,570*
						SQ. MLS.
						15,118
<i>Area of reserved forest in class I under control of the Forest department</i>						
<i>Area of reserved forest in class III which are under the control of the Forest department</i>						
<i>Area of reserved lands</i>						
						Total .. 15,572

* This excludes two square miles of reserved forest under the control of the Public Works Department.
 (a) This includes five square miles under the control of the Adoni Municipality in Anantapur district.
 (b) This excludes six square miles of Todapatta lands in the Nilgiris division and one square mile due to rounding off.
 (c) Difference of one square mile is due to rounding off.

FORM No. 29.
Communications and Buildings during 1939-40.

Description.	Name of the circle.	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.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Buildings, roads and bridges including non-residential.	Bellary	211	1,149 6 4	3,00,625	-	18 - 107 0 1	9,958	193	1,042 6 3	2,90,567	114	512 2 6	20,874
	Salem	190	1,014 0 5	5,56,282	+	8 + 35 4 0	9,890	198	1,049 4 5	5,66,172	103	483 0 6	18,847
	Coimbatore	216	1,083 3 0	8,61,451	1	1 12 5 1 0	18,835	217	1,096 4 0	8,80,286	155	787 6 1 0	40,136
	Ootacamund	305	3,849 2 0	5,94,805	1	1 2 0	18,140	306	3,850 4 0	5,72,945	211	758 4 0	18,606
	Total	922	4,096 8 9	22,73,163	-	8 - 57 4 1	36,907	914	4,038 6 1 8	23,10,979	583	2,541 5 1 2	98,463
Buildings, residential and non-residential.	Bellary	514	6,12,811	6,12,811	+	3	4,539	517	..	6,16,850	309	..	10,293
	Salem	417	6,31,840	6,31,840	+	24	18,908	441	..	6,50,757	320	..	15,115
	Coimbatore	501	8,21,950	8,21,950	-	34	15,934	467	..	8,05,396	415	..	15,357
	Ootacamund	(a) 435	7,60,513	7,60,513	-	1	904	434	..	7,61,717	368	..	10,062
	Total	1,867	..	(b) 26,26,223	-	8	8,397	1,859	..	28,34,620	1,412	..	50,857
Other works such as wells, etc.	Bellary	111	..	43,800	+	1	779	112	..	44,669	42	..	354
	Salem	204	..	62,169	+	9	2,107	213	..	64,356	96	..	662
	Coimbatore	85	..	21,947	-	9	2,959	48	..	24,906	54	..	1,339
	Ootacamund	97	..	41,201	-	1	875	96	..	40,326	54	..	841
	Total	467	..	1,69,197	..	..	5,060	467	..	1,74,257	192	..	3,196
Grand total for the Province.	Roads including bridge paths and culverts.	922	4,096 8 9	22,73,163	-	8 - 57 4 1	36,907	914	4,038 6 1 8	23,10,979	583	2,541 5 1 2	98,463
	Buildings, residential and non-residential	1,867	..	26,26,223	-	8	8,397	1,859	..	28,34,620	1,412	..	50,857
	Other works such as wells, etc.	467	..	1,69,197	..	..	5,060	467	..	1,74,257	192	..	3,196
	Total	2,256	..	50,685,583	..	..	45,364	2,239	..	52,85,856	2,187	..	1,52,516

(a) Includes two sheds at top slip omitted in last year's return costing Rs. 45.
(b) Includes Rs. 219 relating to Forest College.

FORM No. 30.

Return of Breaches of Forest Rules during 1939-40.

Return of Breaches of Forest Rules during 1939-40.

[illegible][illegible]

(g) Difference between the closing balances of 1938-39 and the opening balance of 1939-40 are due to redistribution of ranges from one circle to another.

FORM No. 31.

Area of Forest Tracts protected from fire during the calendar year 1939.

Circle.			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.		
				(3)	(4)	(5)		
				ACS.	ACS.	ACS.	RS.	A.
(1)			(2)	(3)	(4)	(5)	(6)	
Bellary	..	..	Special protection	438,362	580,754	199,891	380,863	1,962 0
			Early burning	163,163	32,834	5,121	27,713	180 0
			General protection	(a) 2,349,683	2,609,071	131,970	2,477,101	1,689 0
			Total	(b) 2,951,208	3,222,659	336,982	2,885,677	3,831 0
Salem	..	..	Special protection	322,862	347,483	23,232	324,256	2,811 9
			Early burning	..	..	..	..	..
			General protection	1,851,450	2,350,013	323,615	2,027,298	2,171 8
			Total	2,174,312	2,698,401	346,847	2,351,554	4,983 1
Coimbatore	..	..	Special protection	(c) 460,686	456,437	26,489	429,948	6,070 0
			Early burning	43,715	82,275	1,209	81,066	289 0
			General protection	(c) 1,803,828	1,885,900	87,293	1,798,607	1,346 0
			Total	(c) 2,308,229	2,424,612	114,991	2,309,651	8,305 0
Dotacamund	..	..	Special protection	951,276	909,530	46,365	863,165	10,900 0
			Early burning	81,534	79,828	78	79,750	149 0
			General protection	175,668	247,641	8,765	238,876	..
			Total	1,208,478	1,236,999	55,208	1,181,791	11,049 0
Total, Presidency	..	..	Special protection	2,173,186	2,294,209	295,977	1,998,232	22,343 9 0
			Early burning	288,412	194,837	6,408	188,429	618 0 0
			General protection	6,180,569	7,093,585	551,643	6,541,942	5,206 8 0
			Grand total	(a) (b) (c) 8,642,167	9,582,731	854,028	8,728,703	28,168 1 0

(a) Correct figures adopted.

(b) Difference due to transfer of Kanigiri range to Salem circle.

(c) Difference due to the elimination of areas consequent on the abolition of the old Salem Central division.

FORM No. 32.

Area closed and open to grazing during 1939-40.

Division.			Open to grazing					
			Closed to all animals.		of all animals except goats.		of all animals except browsers (sheep and goats).	
			Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
			(2)	(3)	(4)	(5)	(6)	(7)
(1)			SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
BELLARY CIRCLE.								
Reserved Forests.								
Vizagapatam	..	..	12	..	534	..	..	..
Godavari, Upper	..	..	7	..	880	..	..	..
Do. Lower	..	..	28	36	232	..	339	..
Guntur	..	..	55	..	445	..	..	..
Kurnool, East	..	..	12	..	1,060	..	..	..
Do. West	..	..	38	..	847	..	..	..
Anantapur	..	..	39	1	675	..	339	..
Total	..	..	191	37	4,672	..	..	..
Reserved Lands.								
Godavari, Lower	..	..	..	..	261	..	..	..
Vizagapatam	..	..	..	..	2	..	..	..
Total	..	..	..	..	263	..	..	..
SALEM CIRCLE.								
Reserved Forests.								
Chittoor	..	..	30	..	546	..	..	..
Vellore, East	..	..	17	..	454	..	..	..
Do. West	..	..	5	..	483	..	..	..
Salem, North	..	..	12	..	682	..	..	..
Cuddapah, North	..	..	32	30	876	..	..	..
Do. South	..	..	38	15	(a) 618	..	..	..
Nellore	..	..	156	182	(b) 79	..	..	..
Total	..	..	290	227	3,738	..	..	..
Reserved Lands.								
Chittoor	..	..	..	..	..	..	..	..
Vellore, East	..	..	..	..	3	..	..	..
Do. West	..	..	..	..	..	..	..	..
Salem, North	..	..	..	..	..	..	..	..
Cuddapah, North	..	..	..	..	1	..	..	..
Do. South	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..
Total	..	..	..	..	4	..	..	..

(a) Includes 1-64 or 2 square miles of class III forests under departmental control.

(b) Includes 3 square miles of class III forests under departmental contract.

Area closed and open to grazing during 1939-40—cont.

Open to grazing

(1)	Closed to all animals.		of all animals except goats.		Whole year. (6)
	Whole year. (2)	Part of year. (3)	Whole year. (4)	Part of year. (5)	
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	
COIMBATORE CIRCLE.					
<i>Reserved Forests.</i>					
Kollegal	8	..	932	..	..
Coimbatore, North ..	13	..	818	..	..
Do. South	189	..	200	..	..
Madura	98	..	320	..	193
Tinnevely	218	..	167	22	..
Tanjore	1	..	573	..	36
Salem, South	47	..	..	..	..
Total	574	..	3,028	22	229
<i>Reserved Lands.</i>					
Salem, South	..	..	3	..	..
Total	..	..	3	..	..
OOTACAMUND CIRCLE.					
<i>Reserved Forests.</i>					
South Kanara	13	..	795	..	..
Wynaad	8	..	261	..	..
Nilambur	103	..	109	..	..
Palghat	145	..	435	..	..
The Nilgiris	47	..	..	..	..
Total	311	..	1,600	..	..
<i>Reserved Lands.</i>					
South Kanara	..	..	..	..	..
Wynaad	..	..	..	..	..
Nilambur	22	..	..	..	..
Palghat	..	..	..	..	..
The Nilgiris	..	..	6	..	..
Total	22	..	6	..	..
Total for the Province—					
Reserved forests	1,366	264	13,039	22	572
Reserved lands	22	..	276	..	..
<i>Note for Coimbatore Circle—</i>					

Note for Coimbatore Circle—
The figures in the

The figures include 8 square miles (4 in Madura and 4 in Tanjore) of class III reserves under the Forest department and exclude 2 square miles of class I forests in Tinnevely under the Public Works Department.

Form No. 33.

Return of grazing in the State forests during 1939-40.

[illegible]

Return of grazing in the State forests during 1939-40—cont.

Grading on payment—Number of animals—cont.										At privileged rates.										Fees received.										By right under settlement.										Grazing free—Number of animals.									
Division.										At privileged rates.										Fees received.										By right under settlement.										Grazing free—Number of animals.									

Return of grazing in the State forests during 1939-40—*cont.*[illegible]

Return of grazing in the State forests during 1939-40—cont.

Division.	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.					During pleasure of Government or otherwise than under settlement.					Total value of fees at full rates.					Grand total of value at full rates.				
	At full rates.	Fees received.				At full rates.	Fees received.				At full rates.	Fees received.				At full rates.	Fees received.				At full rates.	Fees received.			
	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Actual.	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Actual.	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Actual.	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Actual.	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Actual.
Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore, East	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3,079	31,397	9,791	26	4,045	10,265	125	583	..	..	157	56	72	..	71	228	1,40,653	..	..	..	..	..	..	..	..

ANNUAL REPORT OF THE

Note for Salem Circle—
Abstract of animals licensed to graze on payment.
 Cows and bullocks. 370,092 268,477 26 653,047
 Sheep. 26
 Other animals. 26
 Total. 653,047
 (a) Four annas per cow unit in Gudiyattam range and 3 annas in other ranges and As. 4-6 for border villages cattle of Sanjaya and Bhakarapet ranges.
 (b) Eight annas per cow unit.
 (c) Four annas per cow unit.
 (d) and (e) Two annas and As. 1-6 per cow unit.
 (f) Right annas per cow unit.
 (g) Four and a half annas per cow unit for Harur range and 4 annas per cow unit for other ranges.
 (h) Three annas, 2 annas and As. 1-6 per cow unit.
 (i) Four annas per cow unit in Denkanikota East, Denkanikota West, Anchettii and Dharmapuri ranges; 8 annas for buttaloos, 4 annas for cows and As. 1-6 for sheep in Krishnagiri and portion of old Cauvery range.
 (j) and (k) Three annas per cow unit for local cattle and 8 annas per cow unit for foreign cattle.
 (l) Free grazing allowed in villages of Janghalpalle and Venghalayapalle of Suddhott range in B.P. No. 376, dated 22nd June 1935.

Return of grazing in the State forests during 1939-40—cont.

Division.	At full rates.					At privileged rates.					Fees received.
	At full rates.					At privileged rates.					
	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Fees received.	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Fees received.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Rs. A.									Rs. A.	
COIMBATORE CIRCLE.											
Kollegal	4,481	82,700	13,115	..	(a) 25,116	4	1	(b) 316	..	39 12	79 8
Coimbatore, North	2,839	53,377	3,932	..	(c) 22,384	8	..	..	..	33 10	67 4
Do. South	(d) 446	13,919	3,737	..	(e) 1,100	6	..	(f) 269	..	..	..
Madurai	221	13,786	6,770	133	(i) 18,189	14	..	..	..	..	..
Tinnevely	..	1,667	2,206	..	8,698	8	..	..	..	..	..
Salem, South	(k) 78	89,371	(m) 53,342	..	32,555	14	..	5,000	..	(n) 470	6 1,406 4
Total	9,712	314,405	133,503	133	1,40,785	6	1	5,585	..	543 12	1,553 0

(a) Includes Rs. 528-8-0 being penning fees, Rs. 20-2-0 deferred grazing and 4 annas excess remittance by the village officer, Bailur, Kollegal taluk.
(b) Privileged rate of 2 annas a cow unit sanctioned by the Collector on account of draught.
(c) Includes Rs. 163-4-0 being sale of foil grass and Rs. 77-1-0 annas paid by leasing out Kolakattai grass area.
(d) & (e) A rate of Rs. 1-4-3 per cow or buffalo charged for 8 buffaloes and 22 cows in Pundarik range, Coimbatore South division.
(f) Reduction is due to famine and draught in Ottumalpet range, the rate charged being 2 annas a cow unit.
(g) Includes Rs. 25 being penning fees for 1,391 cows in Oumunth range. The Accountant-General's figure is short by Rs. 3-12-0 on account of wrong adjustment.
(h) A rate of Rs. 1 per cow charged for 75 cows in Nanguneri range, Tinnevely division.
(i) A rate of 9 annas and 6 annas per buffalo in Salem South division charged for 92 and 49 buffaloes respectively.
(j) Rate of 8 annas, 4 annas, 3 annas, and As. 4-0 a cow in Salem South division charged for 1,09, 6, 184, 12,597, 7,397 and 62,711 cows respectively.
(k) Rate of 4 annas, As. 1-6, As. 2-3 per sheep in Salem South division charged for 465, 12,321 and 41,556 sheep, respectively.
(l) Grazing assessment under Hill village system and excess collection of Rs. 1-0-0.
(m) Full or nominal rates for Kollegal, Coimbatore, North and South and Tinnevely at 8 annas a buffalo, 4 annas a cow or bullock and 2 annas a sheep.

(a) Includes Rs. 528-8-0 being penning fees, Rs. 20-2-0 deferred grazing and 4 annas excess remittance by the village officer, Bailur, Kollegal taluk.
 (b) Privileged rate of 2 annas a cow unit sanctioned by the Collector on account of draught.
 (c) Includes Rs. 163-1-4 being sale of 1011 grass and Rs. 71-8-1 being revenue realized by leasing out Kolakattal grass area.
 (d) & (e) A rate of Rs. 1-4-3 per cow or buffalo charged for 8 buttaloos and 22 cows in Punschi range, Coimbatore South division.
 (f) Reduction in due to famine and draught in Udumalpet range, the rate charged being 2 annas a cow unit.
 (g) Includes Rs. 23 being penning fees for 1,391 cows in Nanguneri range, Tinnevely division.
 (h) A rate of Rs. 1 per cow charged for 75 cows in Nanguneri range, Tinnevely division.
 (i) Rate of 9 annas and 6 annas per buffalo in Salem South division charged for 92 and 49 buttaloos respectively.
 (j) Rate of 8 annas, 4 annas, 3 annas, and As. 4-6 a cow in Salem South division charged for 6,184, 12,597, 7,397 and 62,711 cows respectively.
 (k) Rate of 4 annas, As. 1-6, As. 2-3 per sheep in Salem South division charged for 665, 12,321 and 41,556 sheep, respectively.
 (l) Grazing assessment under Hill village system and excess collection of Rs. 1-9-6.
 (m) Full of nominal rates for Kollegal, Coimbatore, North and South and Tinnevely at 8 annas a buffalo, 4 annas a cow or bullock and 2 annas a sheep.

Return of grazing in the State forests during 1939-40—*cont.*

Division.	Grazing free—Number of animals.											Grand total of value at full rates.
	By right under settlement.					During pleasure of Government or otherwise than under settlement.						
	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Value of fees at full rates.	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Value of fees at full rates.		
	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(24)	
	RS.	A.								RS.	RS. A.	
COMBATORE CIRCLE—cont.												
Kollegal	..	..	..	..	..	..	..	..	..	..	25,196	
Coimbatore, North	..	..	..	..	..	..	..	..	..	..	22,084	
Do.	..	..	..	..	..	..	(g) 30	..	..	40	4,248	
							(h) 130	..	..	..		
Madura ..	704	6,665	410	173	2,640 15	..	..	..	..	..	20,831	
Tinnevely ..	..	..	..	..	..	..	..	..	..	..	8,508	
Salem, South ..	..	..	..	..	..	..	..	..	..	..	33,962	
Total ..	704	6,665	410	173	2,640 15	..	180	..	..	40	2,680 15 1,15,019	

(g) Permission was granted for free grazing of 80 cows and bulls within the Elumalayan Koll enclosures.
(h) (1) Free grazing allowed to subordinates and labour in Tundavadu range for 80 cows (Chief Conservator's Proceedings M/s. No. 423, dated 27th September 1936).
do.
(2) Do. in Uandi range for 40 cows do.
(3) Free grazing allowed to Palayaras for supply of labour in Punachi range for 10 bulls and cows (paragraph 393 of Coimbatore South Working Plan).

Madura district—

Buttaloos—8 annas each in portion of Kodalkanal range from 1st July 1938—G.O. Ms. No. 1704, Development, dated 1st October 1936.
 12 annas each in Palni, Cumbum, Sholavandan excluding old Vyampatti range reserves and Natham range and part of Kodalkanal range—G.O. Ms. No. 1063, Development, dated 16th June 1929.
 Re. 1 each in Ayyalur range portion for old Vyampatti range reserves—G.O. Ms. No. 275, Development, dated 12th February 1924.
 Cows—4 annas each in portion of Kodalkanal range from 1st July 1938—G.O. Ms. No. 1704, Development, dated 1st October 1936.
 6 annas each in portion of Kodalkanal range and whole of Palni, Cumbum, Sholavandan, Ayyalur excepting old Vyampatti range reserves and Natham range—G.O. No. 2534, Revenue, dated 11th November 1939.
 Sheep—8 annas each for reserves of old Vyampatti range now included in Ayyalur range—G.O. No. 275, Development, dated 12th February 1924.
 3 annas each in portion of Kodalkanal range—G.O. Ms. No. 1704, Development, dated 1st October 1936.
 3 annas each in Palni and Cumbum ranges—G.O. Ms. No. 1063, Development, dated 16th June 1929.
 4 annas each in Ayyalur range for old Vyampatti range reserves—G.O. No. 275, Development, dated 12th February 1940.

Abstract of animals licensed to graze on payment.

Buttaloos	..	..	..	9,713
Cows and bullocks	..	..	..	319,990
Sheep	..	..	..	133,802
Other animals	..	..	..	133
Total	..	..	..	463,538

Return of grazing in the State forests during 1939-40—*cont.*

Division.	Grazing on payment—Number of animals.										At privileged rates.	
	At enhanced rates.					At full rates.						
	Buttaloos.	Cows and bullocks.	Sheep.	Other animals.	Value.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
					RS.					RS. A.		
OOTACAMUND CIRCLE.												
Knara, South ..	..	..	..	..	..	3,925	24,841	..	..	5,790 0	..	(a) 10,095
Wyanad	..	..	..	..	..	2,264	4,916	..	..	2,361 0	..	(b) 1,390
Nilambur	..	..	..	..	..	..	..	..	..	..	..	..
Palghat ..	..	..	..	..	1,463	148	6,619	4,209	..	2,255 0	..	..
The Nilgiris ..	..	..	..	..	..	121	8,145	15,237	..	(c) 104 0	..	..
	..	..	..	..	..	..	..	1,905	..	(d) 3,040 0	..	2,821
Total ..	43	3,397	..	..	1,584	14,183	51,613	6,014	..	13,598 0	..	14,206
Abstract for the Province.												
Departmental forests ..	..	..	..	..	..	10,964 629	996,855	733,461	613	3,76,486 6	3,080	51,188
Private forests ..	..	..	..	..	..	25,032 8,582	209,241	439,635	100	2,17,203 0	1,729	10,402
Total ..	917	36,806	9,561	..	30,998	117,446	1,175,099	1,173,096	713	6,93,689 6	4,809	61,590
(a) Issued at the Kalgunda Cattle Fair at one anna each. (b) Issued at the Sthanady Cattle Fair at half-anna each. (c) & (d) Value of head-load permits.												

Return of grazing in the State forests during 1939-40—cont.

Division.	Grazing on payment— Number of animals—cont.				Grazing free—Number of animals.										Grand total of value at full rates.		
	At privileged rates—cont.				By right under settlement.					During pleasure of Government or otherwise than under settlement.							
	Fees received.		Value at full rates.		Value of fees at full rates.					Value of fees at full rates.							
	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)		(28)	
	Goats and sheep.	Other animals.	Actual.		Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.		Buffaloes.	Cows and bullocks.	Goats and sheep.	Other animals.		Total value of fees at full rates.		
	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.		
OOTACAMUND CIRCLE—cont.																	
Kanara, South..	..	..	674	0	3,589	..	..	..	..	..	..	..	..	..	..	9,379	
Wynad	..	..	..	..	..	..	..	..	..	50	174	..	..	68	68	2,429	
Nilambur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Palghat..	..	..	..	..	29	598	..	..	299	0	..	..	..	..	..	4,121	
The Nilgiris	..	..	16,911	..	99	0	1,057	..	..	83	..	..	..	16	16	4,282	
Total ..	16,911	..	773	0	4,646	29	598	..	..	299	0	133	174	..	84	383	20,211

Abstract for the Province—cont.

	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.	Rs. A.
Departmental forests	26	5,361	12	16,494	0	2,003	9,543	3,759	173	5,793	15	5,977	63,649	13	..	8,018
Panchayat forests	..	..	..	..	..	..	533	..	..	75	3	..	..	..	..	13,816
Total ..	73,390	26	16,089	13	82,977	15	2,361	10,076	8,759	173	5,874	2	5,977	63,649	13	8,018

Reconciliation between audited actuals under grazing and fodder grass and the totals of the amounts in columns (5), (10) and (16).
 Audited actuals 15,965
 The difference is Rs. 2 and due to rounding off final accounts to nearest rupee and to an adjustment of 13 annas made in the March final accounts in South Kanara division. 15,957

	Enhanced rate.		Full rate.		Privileged rate.		Per 50 per day.	
	Rs. A.	P.	Rs. A.	P.	Rs. A.	P.	Rs. A.	P.
Palghat ..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..
South Kanara	..	..	..	..	..	..	..	..
Wynad ..	..	..	..	..	..	..	..	..
Palghat ..	..	..	..	..	..	..	..	..
The Nilgiris	..	..	..	..	..	..	..	..
The Nilgiris— Slaughter cows	..	..	..	..	..	..	..	..
Sheep	..	..	..	..	..	..	..	..

* Per 50 per day.

Abstract of animals licensed to graze on payment.

Buffaloes	14,224
Cows and bullocks	66,216
Sheep	22,925
Other animals	..

Abstract of animals permitted to graze on payment in reserved forests and reserved lands in the Province.

Circle.	Buffaloes.	Cows and bullocks.	Sheep.	Other animals.	Total.
Bellary	..	66,407	337,888	480	677,454
Salem	..	16,452	266,477	28	653,047
Coimbatore..	..	9,713	133,502	133	463,338
Ootacamund	..	14,224	22,925	..	106,395
Total, Departmental forests.	106,796	1,032,007	760,792	639	1,900,234
Panchayat forests.	16,378	245,268	495,185	109	756,940
Grand total for the Province.	123,174	1,277,275	1,255,977	748	2,657,174

Progress in afforestation and regeneration under

Division.	Working circle or block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	
YRS.		ACS.		
Kurnool, West ..	High Felling Working Circle, Gundlabrahmeswaram and Ramannapenta Felling series.	10	20 each year.	I (a)
Vizagapatam ..	Teak Conversion Working Circle ..	1933-34 to 1942-43. Do.	243	
	Timber Selection Working Circle..	1934-35 to 1943-44. Do.	50	
Godavari, Lower.	Teak Conversion Working Circle, Peddapur range of old Godavari Lower Division.	1934-35 to 1943-44. Do.	113	
	Teak Conversion Working Circle southern felling series.	Do.	105	
	Timber Clear-felling Working Circle, Beddadanole and Puliramudugudem Felling Series.	Do.	579	
	Papikonda Experimental Working Circle.	1936-37 to 1943-44.	..	
	Tirumalayapalem Reserved Forest northern felling series, coupe V.	7	..	
Godavari, Lower.	Casuarina Plantation Working Circle.	1934-35 to 1943-44.	778	
Godavari, Upper.	Conversion Working Circle ..	1937-38 to 1946-47. Do.	2,300	
	Fuel Working Circle, Bhadrachalam Reserved Forest.	Do.	200	
	Pulsumamidi Reserved Forest ..	Do.	100	
Guntur ..	Upland Forests Working Circle, Komatikunta felling series, Gangalagunta Reserved Forest Loya felling series.	..	..	
	Casuarina Plantation (Repalle scheme).	1930-31 to 1937-38.	..	
Vizagapatam ..	Sa Working Circle, Somaralli block I.	1933-34 to 1942-43. Do.	200	II. Cle.
Guntur ..	Babul Working Circle, Bollapalle extension.	1927-28 to 1940-41.	120	
Anantapur ..	Yerramalai Working Plan, Veldurthi Working Circle.	10	5 acres per year.	
Kurnool, West ..	Nallamalai Working Plan spokes and fellos Working Circle and Yepi Experimental Working Circle.	10	Not fixed.	

* This is in lieu of Southern Felling Series in which no regeneration was done.
 † This represents the area clear-felled during the last year.
 ‡ This represents the area clear-felled during the year under report.

No. 34-A.

Plans or Schemes during the year 1939-40.

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 at 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.										
with timber species.										
190	20	210	614	430	1,044	7,167	1,958	9,125	..	..
123-25	50	173-25	341	553	894	3,173	1,891	5,064	..	..
10	10	20	118	..	118	425	8	428	..	..
43-05	10	53-05	..	40	40	740	300	1,040	..	..
46-05	..	46-05	..	..	..	575	362	937	..	..
229	49	278	467	86	553	3,129	859	3,988	..	..
8-04	26	34-04	388	15	403	577	15	592	..	..
..	12	12	122	26	148	122	26	148 *	..	..
with Casuarina for firewood.										
710 + } -75 }	75	710 -72 }	1,488	664	2,152	20,649	6,863	27,512	10,790	78,168
401 + } 35 }	208	609 3 }	4,288	961	5,249	9,034	2,721	12,355	23,663	88,694
384	..	38	..	66	66	2-49	245	494	..	2,115
21-50	..	21-50	..	..	..	.. II	..	..	..	..
0-35	3-58	4-43	46	..	46	46	..	46	..	..
95	10-5	105-5	245	282	527	3,212	1,214	4,426	..	1,554
1,845-00	474-08	2,319-08	8,117	3,123	11,240	49,698	16,457	66,155	39,458	170,521
timber species by Taungya and Kumri method.										
211	..	211	..	143	143	909	1,274	2,183	..	..
100	10	110	10	117	127	123	342	465	528	620
311	10	321	10	260	270	1,032	1,616	2,648	528	620
regeneration.										
30	5	35	9	..	9	248	..	248	..	..
9	2	11	29	..	29	567	5	572	..	..
39	7	46	38	..	38	815	5	820	..	..

§ Carried here from Form No. 34-B.
 || Expenditure included in the Conversion Working Circle.

Plans or Schemes during the year 1939-40—cont.

Division.	Working circle or block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was commenced 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 at the end of the year.			Revenue during the year.	Total revenue to the end of the year.
(1)	(2)	(3) YRS.	(4) ACS.	(5)	(6) ACS.	(7) ACS.	(8) ACS.	(9) RS.	(10) RS.	(11) RS.	(12) RS.	(13) RS.	(14) RS.	(15) RS.	(16) RS.
BELLARY															
IV. Rab regeneration:															
Anantapur ..	Pole Working Circle	1929-30 to 1930-40.	..	Rab regeneration	2,198	70	2,277	..	..	..	..	..	..	..	..
Kurnool, East ..	Timber Working Circle	10 years from 1928-29.	570	Improvement cum clear-felling up to 1934-35 and clear-felling from 1935-36.	418	55	473	28	..	28	82	1,606	1,688	..	..
	Do.	8 years from 1930-31.	..	Selection coppice	1,035	..	1,035	..	111	111	63	111	174	..	..
Kurnool, West ..	Old Kurnool South Pole Working Circle	10 years.	927	Rab-sowings	1,652	253	1,905	95	61	156	2,853	648	3,501	..	..
	Do.	..	..	Do.	250	16	266	176	32	208	317	71	388	..	..
	Timber Working Circle of Old Kurnool South Division.	Do.	..	Do.	569	18	587	93	..	93	2,956	2,564	5,520	..	..
				Total ..	6,122	421	6,543	392	204	508					
V. Rab regeneration															
Anantapur ..	Anantapur Working Plan Fuel Working Circle.	1929-30 to 1930-40.	..	Simple coppice and coppice with standards and rab regeneration.	4,436	735	5,171	47	..	47	453	270	723	..	..
	Yerramalai Working Plan Fuel Working Circle.	Do.	..	Do. ..	18	..	18	73	..	73	333	..	333	..	..
Kurnool, East ..	Fuel Working Circle of old Kurnool South Division.	Do.	..	Do. ..	705	631	1,336	74	80	113	224	84	308	..	..
Kurnool, West ..	Nallamalais Working Plan Fuel Working Circle.	10 years.	..	Do. ..	76	4	80	46	10	56	750	15	765	..	..
	Fuel Working Circle of old Kurnool South division.	10 years.	..	Do. ..	707	8	715	..	87	87	104	87	251	..	..
Vizagapatam ..	Fuel Working Circle	10 years.	..	Do. ..	45	15	60	33	100	133	234	123	357	..	..
Godavari, Lower.	Upland Coppice Working Circle ..	10 years from 1934-35.	400	Do. ..	129	23	157	201	20	281	550	154	704	..	..
Guntur ..	Upland Forests and Kondapalli Working Plan.	1931-32 to 1940-41	..	Do. ..	61	22	83	407	..	407	1,107	..	1,107	..	..
				Total ..	6,177	1,443	7,620	941	256	1,197	3,815	733	4,548	..	..
VI. Kumri regeneration															
Vizagapatam ..	Ariova and Ichapuram Fuel coupes series XVIII, XIX and XX.	..	..	Departmental Kumri cultivation	12	11	23	73	..	73	201	..	201	..	14
Godavari, Upper.	Bhadrachalam	..	..	Do. ..	3.5	10	10	91	..	91	51	..	51	600	600
Godavari, Lower.	Thrumalayapalem North	..	..	Do. ..	3.5	..	3.5	..	..	..	59	..	59	..	61
				Total ..	15.5	21	36.5	164	..	164	354	..	354	800	675
VII. Sandalwood regeneration.															
Anantapur ..	Anantapur Working Sandalwood Working Circle.	10 years.	..	Sandal propagation by raising seedling plots.	430	43	473	9	..	9	2,400	22	2,422	..	..
	Yerramalai Working Sandalwood Working Circle.	10 years.	..	Do. ..	15.60	14	29.60	..	..	..	..	..	..	..	..
Kurnool, East ..	.....	10 years from 1928-29.	321	Do. ..	321	..	321	..	..	..	..	..	..	..	..
				Do. ..	24.23	0.25	24.48	..	..	..	20	67	86	..	..
Kurnool, West ..	Nallamalai Working Plan Sandalwood Working Circle.	Do.	..	Do. ..	88	2	90	..	21	24	148	67	215	..	..
	Chelama Working Plan Sandalwood Working Circle.	Do.	..	Do. ..	57	3	60	3	21	24	148	67	215	..	..
Vizagapatam ..	Sandal Propagation Working Circle.	10 years.	..	Do. ..	935.69	62.35	998.04	12	21	33	2,579	156	2,735	..	..
				Total ..											

Progress in afforestation and regeneration under

Division.	Working circle or block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
		YR3.	ACS	
BMLL VIII. 2				
Kurnool, East ..	Old teak plantations	10 years from 1928-29 since the commencement of the working plan.	..	Thinnings
Kurnool, West ..	Old Kurnool South Division Timber Working Circle of old Chalama Range Working Plan.	..	..	Do.
	Timber Working Circle of Kurnool West Division.	..	..	Do.
Vizagapatam ..	Sal Working Circle, Samaralli Block.	..	..	Climber cutting
Total				
I	..	..	..	..
II	..	..	..	..
III	..	..	..	..
IV	..	..	..	..
V	..	..	..	..
VI	..	..	..	..
VII	..	..	..	..
VIII	..	..	..	..
Total for the circle				

(g) This was omitted in the last year's return.

Plans or Schemes during the year 1939-40—cont.

Area on which regeneration was completed up to the end of previous year.	Area regenerated during the year.	Total area regenerated at the end of the year.	Expenditure during the year.			Expenditure at 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.										
Thinnings.	60.5	..	60.5	..	..	..	25	25	310	310
10	..	10	..	..	..	..	1,138	1,138	..	..
2,220	..	2,220	..	20	20	..	82	82	..	..
614	100	714	..	75	75	3,248	1,198	4,446	..	1,191
305	..	305	..	13	13	..	70	70	..	..
3,309.5	100	3,309.5	..	108	108	3,248	2,513	5,761	310	1,501
ACT.										
1,845.00	474.08	2,319.08	8,117	3,123	11,240	49,698	16,457	66,155	39,458	1,70,581
811.00	10	321	10	260	270	1,032	1,616	2,648	523	620
39	7	46	34	..	38	815	5	820	..	..
6,122	421	6,543	392	204	596	3,956	2,564	6,520	..	..
6,177	1,448	7,625	941	256	1,197	3,815	733	4,548	..	..
15.5	21	36.5	164	..	164	354	..	354	600	675
935.89	62.25	998.14	12	21	33	2,579	156	2,735	310	1,501
3,309.5	100	3,309.5	..	108	108	3,248	2,513	5,761	40,896	1,73,327
118,654.89	2,538.33	121,193.22	9,674	3,972	13,646	65,437	24,044	89,481	..	..

(h) Difference due to transfer of areas from Form S4 B, and revised figures adopted.
* Includes an area of 72 acres clear-felled during the year under report.

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)
		YRS.	ACS.	
SANDAL REGENERATION.				
Chittoor	Sandalwood circle.	From 1928-29	..	Dibbling and redibbling of sandal seed in one acre plots. Dibbling and establishing the one acre propagation plot.
	Chamala reserved forest near Pullbone.	1939-40	..	Regeneration of sandal by st
Salem, North ..	Boats	1934-35	..	Sandal propagation centres
Cuddapah, North ..	.. ..	1936-37	..	Do.
Cuddapah, South ..	All ranges	..	..	Sandal plots and by propagati in patches.
Total				
TIMBER SPECIES.				
Chittoor	Chittoor, Pitchenur and whiteside garden reserved forests.	Up to 1927-28	..	Natural and artificial (planting) regeneration of Red sanders.
	Timber regeneration working circle compartment 1 of Mamandur valley.	From 1928-29	..	Regeneration and Red sanders etc., and early burning as silvicultural measure of protection against fire.
	Chamala reserved forest	From 1938-39	..	Regeneration of Red sanders by sowing (rah-method).
	Timber working circle at Thottibhavi near Mamandur	1893	..	Teak plantation (Napier reserved forest).
	Haltomb wood working circle.	1939-40	..	Stump-planting of <i>Canthium didymum</i> and <i>Pleurostium wightii</i> .
	Chamala reserved forest	From 1938-39	..	Stump-planting of teak ..
Vellore, East ..	Fuel working circle	..	..	Stocking of timber species in blanks of felled coupes. (Teak, rosewood, mahogany, red sanders, <i>Albizia lebbek</i>).
Salem, North ..	Hardwickia binata area	..	..	Raising of timber species by rah method.
Cuddapah, North ..	Old Timber working circle (near Brahmanapalle rest house) at Badvel and at Kondur.	1921-22	..	Red sanders (and Neem) plantations raised by Forest Guard School (good natural regeneration of <i>Boymida febrifuga</i> at Kondur).
	Rollabodu	From 1938-39	..	Teak stump planting ..
				Experimental sowing of tea seeds.

(a) Difference due to showing sandal plots of Chittoor

Plans or Schemes during the year 1939-40—cont.

Action 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.
Free of cost.										
254.42	..	254.42	..	..	..	..	..	..	..	..
236.58	17	253.58	..	..	..	..	..	..	..	..
..	5	5	21	..	21	21	..	21	..	..
6.06	5.03	11.09	..	..	..	..	..	..	..	..
1.4	0.7	2.1	40	..	40	147	..	147	..	..
62.74	0.39	63.13	..	..	..	..	..	..	..	..
(a) 561.2	28.12	589.32	61	..	61	168	..	168	..	..
431.6	..	431.6	..	..	..	..	4,228	4,228	..	..
722	..	722	..	..	..	..	..	..	..	..
0.5	1	1.5	14	8	22	10	8	27	..	..
4	..	4	..	9	9	..	43	43	33	33
..	0.1	0.1	..	..	..	..	..	..	..	..
..	(3,982 sq. ft.)	..	..	..	..	..	..	..	..	..
0.5	1	1.5	14	8	22	14	8	22	..	..
32.25	..	782.25	..	9	..	1,64,818	2,303	167,121	70	497
0.36	..	0.36	..	..	..	95	..	95	..	..
2.15	..	2.15	..	..	..	(not available)	..	..	..	..
0.28	..	0.28	..	..	..	..	..	..	..	..
0.09	0.15	0.24	8	..	8	18	..	18	..	..

vision which have been established as separate entry.

Progress in afforestation and regeneration under

Division.	Working circle block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
		YRS.	ACS.	
TIMBER SPECIES—cont				
Cuddapah, South	At Kangamadugu	..	..	Teak plantation, 2 plots (unhealthy).
	Balapalle	1888-89	..	Teak plantation, 2 plots (by Mr. Yande).
		1934	..	Teak plantation by working branch.
	Kodur red sanders plantation working circle.	1934-35	..	Red sanders, sandal and other timber species.
				Raising of pure red sanders plantations of about 2 acres annually.
				Total
PALMYRA PLANTATION.				
Cuddapah, North	Palmyra working circle ..	From 1936-37.	..	Old palmyra plantation .. Thinning natural regeneration the plantation.
				Total
CASSIA SIAMEA.				
Chittoor	The tope working circle ..	..	..	Raising of cassia siamea in plots by kumri method.
Salem, North	Firewood plantation working circle.	..	..	Raising cassia siamea and by direct sowing.
	Sandalwood working circle. (Jowlagiri, Marandahalli and Gulhatti reserved forests.)	..	..	Introduction of cassia siamea.
				Cassia siamea nursery ..
				Total
CASUARINA.				
Nellore	Sriharikota working circle.	From 1929-30.	..	Casuarina plantation 7' x 7'
				Raising of casuarina nursery Plantation I (second rotation)
				Raising of casuarina nursery Sundia doruvu plantation I.

(b) Balance of Kodur R.S. plantation area.
 (c) Balance of Idupulapaya palmyra plantation.
 (d) Since corrected.

Plans or Schemes during the year 1939-40—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 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	(unhealthy area—since included.)							
2	..	2	..	..	..	..	..	..	..	..
32.15 (b)	..	32.15	Not available.							
7.25	2.1	9.35	47	..	47	141	..	141	..	..
1,986.13	4.35	1,940.48	83	25	108	1,65,105	6,590	1,71,695	108	530
525.2 (e)	..	525.2	..	..	..	..	..	..	..	..
45	33.8	78.8	..	26	26	..	50	50	..	..
570.2	33.8	604.0	..	26	26	..	50	50	..	..
3.5	1.0	5.4	..	..	..	(Since separated.)				6
20.5	..	20.5	..	371	371	258	412	670	11	36
247.3 (d)	30	277.3	217	64	281	1,270	137	1,407	..	..
..	..	..	..	..	..	259	..	259	(Abandoned.)	
271.3	31.9	303.2	217	435	652	1,787	549	2,336	17	42
518	50.4	568.4	1,717	949	2,666	15,414	2,640	18,054	3,894 (e)	9,696
..	+ 10.8 (e)	.. 62 (f)	18	..	18	18	..	18	+ 9,100	+ 9,100 (f)
..	..	..	27	..	27	27	..	27	..	..
518	50.4	568.4	1,762	949	2,711	15,459	2,640	18,099	12,934	18,796
..	+ 10.8	.. 62	..	..	..	..	..	..	..	..

(e) Extraction of dead trees in plantations and regeneration of blank areas.
 (f) Area felled (Plantation I) and revenue realized by sale.

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				
REGENERATION				
Chittoor ..	The fuel working circle	From 1934-35.	..	Rab regeneration in small scattered patches of felled fuel coupes with timber and fuel species.
Vellore, East	Do.	..	..	Do.
Do. West	Do.	From 1931-32.	..	Do.
Salem, North	Do.	..	..	Do.
Cuddapah, North...	Do.	From 1931-32.	..	Do.
Do. South ..	Do.	..	..	Do.
Total ..				
REGENERATION				
Chittoor ..	Gudiyattam, Chandragiri and Bhakatapet ranges.	..	..	Regeneration of timber and fuel species.
Vellore, West	Badakuppam Fuel Coupe II	..	..	Do.
Salem, North	Masakkal reserved forest	..	..	Regeneration of minor Forest produce and other species.
Cuddapah, South	Fuel working circle	..	..	Do.
Total ..				
CASHEU				
Chittoor ..	Nagapatla reserved forest	From 1938-39.	..	Raising of cassia auriculata by kumri method.
	Pathikonda reserved forest.	From 1939-40.	..	Do.
	Synagunta extension reserved forest.	Do.	..	Raising of cassia auriculata by Kumri method departmentally.
Vellore, west	Fuel working circle.	Do.	..	Do.
	Badakuppam Fuel Coupe II.	Do.	..	Raising of cassia auriculata by kumri method.
Total ..				

(a) Due to transfer of Krishnagiri range from Vellore West division to Salem North division.

Plans or Schemes during the year 1939-40—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 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.										
BY RAB METHOD.										
56.78	20.84	77.62	266	..	266	1,253	..	1,253	..	..
31.00	7.65	38.65	553	..	553	1,356	..	1,356	..	..
30.52(a)	7.18	37.7	88	44	132	585	280	865	..	..
33.40 (a)	4.89	38.29	104	..	104	355	80	435	..	..
280.08 (A)	28.05	308.13	408	..	408	1,805	..	1,805	..	..
513.48	42.23	555.71	1,288	..	1,288	5,908	..	5,908	..	..
945.28	110.84	1,056.10	2,707	44	2,751	11,063	360	11,423	..	..
BY KUMRI METHOD.										
40.5	5	45.05	10	..	10	10	..	10	2	2
..	25	25.00	..	..	..	..	..	..	(Since separated.)	..
..	50.5	50.5	..	..	..	..	..	..	..	..
5.00	..	5.00	..	..	..	..	6	6	..	..
48.5	80.5	129.00	10	..	10	10	8	18	2	2
AURICULATA.										
8.00	8.00	8.00	11	..	11	20	..	20	(Since included.)	..
..	4.00	4.00	12	..	12	12	..	12	..	..
..	1.00	1.00	2	..	2	2	..	2	..	..
..	8.00	8.00	7	4	11	7	4	11	..	..
..	5.00	5.00	..	..	..	..	..	..	..	..
8.00	21.00	29.00	32	4	36	41	4	45	..	..

(A) Since corrected.

Progress in afforestation and regeneration under

Division.	Working circle or block.	Period.	Area to be regenerated during the year.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
		YRS.	ACS.	
Kollegal	Clear felling working circle ..	1933-34 to 1939-40	10	Planting with teak stumps
	Timber working circle ..	1935-36 to 1939-40	..	Gap regeneration
	Fuel working circle ..	1939-40	..	Rab sowings in fuel coupes
	Do.	1939-40	..	Artificial regeneration by Kumri method.
	Area along the bridle-path from Araipalayam to Gundal north of the Hebba halla in reserve sandal working circle.	Do.	..	Strip regeneration of sandal
	Reserve sandal working circle.	..	..	Dribbling sandal in bushes
	.. ..	..	..	Sandal sowing in centres.
Coimbatore, North ..	Fuel working circle ..	..	..	Rab regeneration ..
	Reserve sandal working circle.	..	..	Kumri
	Hulikkal drug reserve forest.	..	..	Dribbling sandal seeds in beds
	.. ..	..	..	(f) Sowing sandal in baskets
	.. ..	..	..	Plantation by irrigation
Coimbatore, South ..	Timber working circle ..	1916 to 1940	207	Clearing burning and with teak stumps, Rosewood seeds.
	Selection felling working circle—Tunacadavu range.	1931 to 1936	..	(h) Clearing, burning and stumping with teak.
	Mount Staart working circle—Ulandi range.	1932 to 1937	..	Do.
	Selection felling working circle—Kallar valley.	1936 to 1938	..	Do.
	Fuel working circle ..	1938 to 1939-40	70	Rab-sowing
	Do.	1939-40	..	.. ..
	Sandal propagation centres in Udumalpet range.	Do.	80	Kumri method
	Tunacadavu range ..	..	..	.. ..
	Ulandi range ..	..	..	Planting mahogany seedlings
	.. ..	..	..	Regeneration of bamboo areas
Madura	Gundanshola blue gum	1888	..	.. ..
	Pambar hill pine plantation.	1909	..	.. ..
	Gundar valley ..	1922	..	.. ..
	Velan combal teak plantation.	1890-70	..	Planting acacia decurrens ..
	Vannathiparal teak plantation.	1870 and 1928-30	..	Planting teak
	.. ..	..	..	Do.

- (a) Expenditure incurred in 1938-39 omitted to be included previously.
 (b) Out of an area of 97 acres shown last year two acres have been treated under "rab" method.
 (c) Figures shown in columns (15) and (16) of last year's return are omitted as they do not refer to under regeneration.
 (d) Revised figure furnished by the District Forest Officer.

Schemes during the year 1939-40—cont.

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 tend-ing and upkeep.	Creation.	Tending.	Total including tend-ing and upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
60	70	96	105	201	273	1,130	2,293	..	..
110	110	..	..	..	+ 130 (a)	..	428	..	..
1,514	270	1,784	221	2,221	815	..	815	..	..
95 (b)	95	..	..	..	..	..	..	..	..
25	30	25	..	25	133	..	133	..	..
650	180	780	36	86	297	..	297	..	..
1.51	0.38	1.89	..	..	..	..	..	.. (c)	..
415.38 or 415	2,870.89 or 2,871	378	185	543	2,778	1,120	8,008	..	..
7,238 (d)	860	7,604	391	391	+ 1,511	..	9,086	..	..
182	10	142	..	..	+ 7,575 (e)	..	..	..	..
9,261	111	9,372	..	..	..	..	..	..	..
1,704 sq. yds.	2	82	80	109	686 (f)	316	1,002	385	971
7,389	378	7,767	471	39	9,772	316	10,088	885	971
3,281	171	3,432	5,903	2,644	8,547	1,18,302	75,283	1,93,645	335
..	..	..	..	..	1,655	387	2,022	..	..
..	..	..	..	..	2,361	273	2,634	..	..
..	..	..	..	..	644	442	1,086	..	..
1,778	70	1,848	116	116	1,615	75	1,691	..	..
84 (g)	80	164	..	..	..	..	..	..	..
12 (h)	12	219	2	219	91	2	93	..	..
5,125	321	5,456	6,238	2,646	8,884	76,443	2,01,437	335	11,566
245	245	..	..	..	18,985	..	18,985	1,864	9,431
835	335	..	..	..	38,435	..	38,435	74	4,833
150	163.8	594	73	594	3,958	73	4,031	112	112
15.28	3.75	19.68	64	187	3,411	..	3,411	..	9,375
16.18	..	16.18	..	115	1,405	115	1,520	..	2,132

- (g) Expenditure of previous years omitted to be included.
 (h) Discontinued and hence omitted.
 (i) Revised figures furnished by the District Forest Officer are adopted in columns (12) and (16).
 (j) Gap regeneration discontinued.
 (k) The sandal propagation centres formed in previous years were failures. A start is made in 1940-41 in new places.
 (l) Discontinued.

Plans or Schemes during the year 1939-40—cont.

Area in which regeneration was completed at the end of the previous year.		Area regenerated during 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.	
(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	
CIRCLE—cont.													
51'50	..	51'50	..	..	..	4,529	..	4,529	..	..	..	..	
10	5	15	130	212	342	259	252	511	..	..	..	..	
10	5	15	108	215	323	153	230	383	..	..	..	..	
2	2	4	63	..	63	154	..	154	..	..	..	..	
4	..	4	..	42	42	23	42	70	..	..	..	..	
784	632	1,416	450	..	450	937	..	937	..	..	..	..	
653	204	857	..	..	..	..	..	..	..	..	..	..	
1,328'56	865'55	3,192'11	..	..	..	..	..	..	..	..	..	..	
or	or	or	..	..	..	..	..	..	..	..	..	..	
2,327	866	3,193	1,409	657	2,086	71,304	712	72,016	1,550	25,783	..	..	
58	20	78	153	..	153	225	..	225	..	..	..	..	
1	..	1	..	..	..	6	..	6	..	..	..	..	
251	1'5	1'5	48	..	48	..	..	..	..	..	..	..	
68	..	(j) 251	..	..	..	60	120	180	..	..	..	..	
145	10	68	..	141	141	25	362	387	..	..	..	25	
41	37	182	32	85	117	620	386	1,006	..	..	..	..	
306	17	58	..	..	..	..	..	..	..	..	..	..	
91	30	336	42	10	52	573	10	583	..	..	..	..	
1,074	40	131	..	4	4	4	4	8	..	..	..	..	
41	210	1,293	279	32	311	1,601	32	1,633	..	..	..	..	
..	14	55	11	..	11	35	..	35	..	..	..	..	
(k) 50	7	57	35	..	35	151	..	151	..	..	..	..	
8	2	10	..	..	..	32	..	32	..	..	..	..	
24	..	24	21	..	21	91	..	91	..	..	..	..	
43	23	66	10	..	10	52	..	52	..	..	..	..	
7,584	100	7,684	122	..	122	14,727	1,899	16,626	..	..	..	..	
..	1	1	7	..	7	7	..	7	..	..	..	..	
20	4	24	24	..	24	79	..	70	..	..	..	..	
..	525'5	10,320'5	..	..	..	..	..	..	..	..	..	..	
9,795	or	or	..	..	..	..	..	..	..	..	..	..	
(l) 30	526	10,321	784	272	1,056	18,288	2,813	21,101	..	35	..	..	
..	..	80	..	..	..	65	14	79	..	..	..	..	
289	..	289	..	..	..	1,115	..	1,115	..	8,265	..	..	
119	95	214	290	..	290	1,356	..	1,356	..	..	..	..	
148	76	224	..	..	..	6	..	6	..	..	..	..	
8	2,000	2,800	31	..	31	66	..	66	..	..	..	..	
lots of 10 sq.ft.	..	..	..	..	..	..	..	..	..	..	..	..	
50 sq.ft.	..	..	..	..	..	..	..	..	..	..	..	..	
806	171	757	321	..	321	2,608	14	2,622	..	8,265	..	..	
ABSTRACT.													
..	..	..	..	..	..	..	..	..	..	..	..	..	
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..	..	..	..	..	..	..	..						

Progress in afforestation and regeneration under

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was completed at the end of the previous year.	Area regenerated during the year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
					ACS.	ACS.
South Kanara		..	..	..	15,235'00	517'00
Wynaad		..	..	..	12,150'00	289'00
Nilambur		..	..	..	857'00	895'00
					10'00 (a)	
					11'00 (b)	
Palghat		..	..	..	9,352'00	1,008'00
The Nilgiris		..	..	..	97'00	
					932'00	118'00
Total for the Ootacamund circle.		..	..	..	37,989'00	2,322'00
Total for the Province		..	..	..	89,234'12	7,915'01

(a) Mistake in totalling in the last year's return.

(b) Regeneration carried out in 1938-39 but not shown in that year's return.

Schemes during the year 1939-40—cont.

Expenditure during the year.			Expenditure to the end of the year.			Revenue during the year.
Creation.	Tending.	Total including tending.	Creation.	Tending.	Total including tending and upkeep.	
(9)	(10)	(11)	(12)	(13)	(14)	(15)
RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.	RS. A.
1,277 0	1,497 0	2,774 0	51,571 0	64,880 0	1,16,401 0	..
5,480 0	1,555 0	7,015 0	1,17,544 0	87,004 0	2,04,548 0	..
7,864 0	5,863 0	13,027 0	8,706 0	42,909 0	51,615 0	..
3,674 0	1,639 0	5,313 0	49,733 0	30,399 0	80,181 0	1,471 0
2,547 0	677 0	4,224 0	19,994 0	6,954 0	26,978 0	..
21,522 0	10,731 0	32,353 0	2,47,548 0	2,32,195 0	4,79,873 0	1,471 0
46,029 0	19,975 0	66,004 0	7,37,048 0	2,47,216 0	10,34,856 0	87,707 0

(c) In 1938-39, an excess area was shown. This is now corrected by the District Forest Officer.

(d) Includes Rs. 158 spent in 1937-38 under Nilambur Hills Working Plan.

Plantations not under

Division.	Working circle and block.	Period	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
Anantapur	South Dhone, Owk extension, Pan- yam, Bathamcherla and Kupgal. Nigidi, Madanikonda, Vengalamma- cheravu and Veldurti reserved forests.	1939 Do.	.. ..	Kumri regeneration Kumri regeneration by the depart- ment.
Kurnool, East	E.N. Block IV Peddachama	1939 Do.	.. ..	Kumri regeneration Do.
Guntur	Bodadindi in Muthayapalem reser- ved forest.	1939	..	Kumri regeneration
				Total ..
..	....	..	..	I
..	....	..	..	II
..	....	..	..	III
..	....	..	..	IV
..	....	..	..	V
..	....	..	..	VI
..	....	..	..	VII
..	....	..	..	VIII
..	....	..	..	IX
..	....	..	..	X
				Total ..

(c) Difference due to transfer of certain areas to:

Plans during the year 1939-40—cont.

Area as which regeneration was completed at the end of the previous year.										
(6)	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 to the end of the year.
			Creation.	Tending.	Total including tending.	Creation.	Tending.	Total including tending and upkeep.		
ACS.	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
	85-47	85-47	..	..	..	..	..	..	..	..
	7-5	7-5	44-4	..	44-4	44-4	..	44-4	16-12	16-12
	11-0 5-0 5	11-0 5-0 5	89 ..	.. ..	89 ..	89 ..	..	89 ..	..	..
	113-97	113-97	82-4	..	82-4	32-4	..	132-4	16-12	16-12
f.	..	108	..	..	..	426	779	1,205	..	3,974
	..	..	..	..	..	..	..	..	..	4,89,128
15-8	-509-45	3,286-35	18	752	770	59,899	17,738	77,687	..	19,860
	..	..	..	..	..	188	160	348	..	..
32	2-50	14-32	..	..	138	4,073	1,163	5,226	..	..
5	30-3	294-8	116	22	382	472	104	576	..	..
	24	42	375	7	..	50	124	174	..	..
8	..	82-8	..	..	83-4	133-40	..	133-40	16-12	16-12
	113-97	113-97	83-4	..	..	..	..	..	..	..
o)	..	..	..	..	..	..	..	..	..	..
10-92	-838-56	3,892-24	592-4	781	1,373-4	65,241-40	20,058	85,299-4	16-12	4,62,978-12

in No. 34-A and revised figures adopted.



J.B. 2117239
N40.1-2

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)
YRS.			ACS.	
Vellore, East ..	Banavaram reserved forest ..	..	..	..
Nellore ..	Kambakkam hill, Udayagiri, Durgam, Boggutla Valley, Veligonda A reserved forest and Rapur Veligonda reserved forest.	..	..	..
				Total ..
				TIMBER ..
Nellore ..	Kambakkam reserved forest near Thanthipandal.	..	..	One acre teak plantations
	Do.	..	..	One acre red sanders plantation
	Do.	..	..	One acre Nallmaddi (<i>Terminalia tomentosa</i>).
				Total ..
				CASUARINAE
Nellore ..	Fuel working circle, Sriharikota ..	..	..	Raising of Casuarina plantations
				REGENERATION ..
Salem, North ..	Jowlagiri, Theppur, Gulhatti and Parigam.	..	..	Regeneration of timber, fuel forest produce and fuel species.
Ouddapah, North.	Tanuku fuel coupe III ..	..	..	Regeneration of timber and fuel species.
Nellore ..	Udayagiri, Rapur and Sathlavedu ranges.	..	..	Do.
				Total ..
				MISCELLANEOUS
Salem, North ..	Aiyur burnt area (Aiyur, Sameri, Gulhatti, Manchi, Tholuvabetta and Ayamasandiram reserved forests.	..	..	Regeneration of the following species:— Cashew sowings 10' x 10'—5 acres, Bamboo rhizomes 20' 20'—48 acres, Bamboo sowing 10' x 10'—70 acres and <i>Cassia siamea</i> sowing 10' x 10'—50 acres
Salem, North ..	Research range ..	..	..	Regeneration of miscellaneous species.
				Total ..
				REGENERATION ..
Salem, North ..	Porathavadi Denkanikota west range.	..	..	Regeneration of miscellaneous species.
Nellore ..	Fuel working circle (Rapur, Sathlavedu and Udayagiri range.	..	..	Do.
				Total ..
Vellore, East ..	Ponnar and Karuthamalai reserved forests.	..	..	Sowing <i>Cassia auriculata</i> in
Salem, North ..	Firewood plantation and Maharajagadai	..	..	Sowing <i>Cassia auriculata</i> nurseries—5 acres each.
Ouddapah, North.	Sidhout and Vempalle ranges ..	..	..	Raising of <i>Cassia auriculata</i> plantations.
Ouddapah, South.	Seshachalam reserved forest ..	..	..	Do.
Nellore ..	All ranges ..	..	..	Raising of <i>Cassia auriculata</i> plantations (by ploughing and cast sowings).

(a) Since included.

(b) Deleted from Form No. 34-A and shown in this form.

the year 1939-40—cont.

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 upkeep.	Creation.	Tending.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(15)	(16)
ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
117.72	14.7	11	3	11	304	3	..	..
31.798	31.798	11	..	11	304	..	..	..
43.390	43.408	11	3	14	304	3	..	..
2	4	51	..	51	92	..	..	..
3	4	14	..	14	66	..	..	..
1	1	..	..	..	11	..	..	..
7	9	65	..	65	169	(d) 169	..	..
188	202	1,202	60	1,262	2,796	4,775	190	191
5	72.72	..	..	..	..	..	..	..
8	3	..	..	..	..	..	..	..
35	72	..	..	..	..	..	..	..
40	147.73	..	..	..	..	..	..	..
218	218	795	..	795	795	..	..	..
40	40	106	..	106	106	..	..	..
258	258	901	..	901	901	..	..	..
5	5	25	..	25	25	..	..	..
74.5	111.2	..	..	..	223	..	..	..
74.5	116.2	25	..	25	248	..	..	..
4	6	7	..	7	80	..	..	..
10	10	41	..	41	41	..	..	..
12	12	45	..	45	45	..	..	..
12	12	49	..	49	49	..	..	..
10	10	18	..	18	18	..	..	..
4	50	155	..	155	178	..	..	..

(c) Correct area now furnished.

(d) Correct figures now furnished.

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.
(1)	(2)	(3)	(4)	(5)
SALEM				
Vellore, East ..	Reserves of the division ..	..	..	Regeneration in flowered areas—nurseries opened.
Vellore, West ..	Nagapatla reserved forest ..	..	..	Bamboo planting in flowered areas.
Do. ..	Blank areas, Pelamarathur and Inner Javadies ..	..	..	Sowing bamboo seeds in blank and flowered areas.
Salem, North ..	Denkanikota, East ..	..	..	Bamboo nursery ..
Cuddapah, North.	All ranges ..	..	..	Bamboo nursery 7 beds 40" X 40" ..
Cuddapah, South.	Seshach lam reserved forest ..	..	..	Ploughing and broad cast sowing ..
Total for the circle ..				
COIMBATORE				
Salem, South ..	Kurumbapatti plantation ..	1920-21	Not fixed.	Planting teak stumps ..
	Sanyasimalai Reserve Forest ..	4 years.	321	Frenellahrhomboidis ..
	Do. ..	1922-23	..	Planting <i>Acacia decurrens</i> and sowing bluegum seeds.
	Top attached to the old Salem South District Forest Officer's quarters.	1904	..	....
Total for circle ..				
OOTACAMUND				
South Kanara. .	Clear felled coupes regenerated with timber species departmentally.	..	..	....
	Clear felled coupes regenerated by Kumri method.	..	..	....
	Artificial regeneration of blanks (gaps and patch regeneration).	..	..	....
	Regeneration in blanks and patches and coppice regeneration in fuel coupes.	..	..	....
The Nilgiris ..	Sandal wood regeneration ..	..	..	....
	Artificial regeneration of coupes departmentally with timber species.	..	..	....
	Departmental regeneration of felled fuel coupes in Ootacamund and Segur ranges.	..	..	....
Total for Ootacamund circle ..				
Total for the Province ..				

Plans during the year 1939-40—cont.

Area in which regeneration was completed at the end of the previous year.	Area regenerated during the year.	Total area regenerated up 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)
ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
SALEM CIRCLE—cont.									
REGENERATION.									
..	..	..	179	..	179	179	..	179	..
..	1	1	6	..	6	6	..	6	..
..	3.25	3.25	..	..	..	..	..	..	..
..	720	720	12	..	12	12	..	12	..
..	sq.ft.	sq.ft.	50	..	50	50	..	50	..
..	0.2	0.2	41	..	41	41	..	41	..
..	5	5	288	..	288	288	..	288	..
(e)	236.33	497.588	834.418	2,647	63	2,710	4,984	4,778	9,662
COIMBATORE CIRCLE.									
7	2	9	40	..	40	460	..	460	..
143	..	143	..	..	..	9,096	..	9,096	..
4	..	4	..	..	..	108	..	108	..
9.5	..	9.5	..	..	..	467	1,760	2,227	..
163.5	2	165.5	40	..	40	10,131	1,760	11,891	..
OOTACAMUND CIRCLE.									
8.00	..	8.00	..	..	..	82	34	116	..
100.50	..	100.50	..	105	105	869	465	1,335	..
712.43	..	712.43	..	39	39	2,952	1,193	4,148	..
106.00	..	106.00	..	..	..	357	743	1,100	..
5.00	..	5.00	..	..	..	24	..	24	..
24.00	..	24.00	..	29	29	67	29	86	..
85.98	..	85.98	..	81	81	478	566	1,044	..
DIVISION—Nil.									
DIVISION—Nil.									
—Nil.									
993.91	..	993.91	..	254	254	4,810	3,033	7,843	..
1,723.16	150.908	1,874.068	3,379	1,068	4,377	25,066	29,629	1,14,695	207

(e) Difference due to certain areas transferred to from Form No. 4-A and revised figures now adopted.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1939-40 and Agency of Exploitation.

Circle.	Total timber.						Fuel.						
	Government.	Purchasers.	Free grantees.	Rights holders.	Total.	C.F.T.	Government.	Purchasers.	Free grantees.	Rights holders.	Total.	C.F.T.	Total out- turn.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
BELLARY CIRCLE.													
I. Reserved forests	95	392	19	..	506	363	4,172	130	..	4,665	5,171		
II. Leased forests	..	..	80	..	223	2	299	..	..	301	524		
III. Unreserved lands	29	105	..	..	..	..	..	..	..	..	..		
Total ..	124	497	108	..	729	365	4,471	130	..	4,966	5,695		
SALAM CIRCLE.													
I. Reserved forests	37	87	7	..	131	140	5,405	..	..	5,545	5,678		
II. Leased forests	..	..	73	..	132	..	428	..	..	428	560		
III. Unreserved lands	5	64	..	..	..	..	5,853	..	..	5,973	6,238		
Total ..	42	141	80	..	263	140	..	..	..	..	..		
COMBATORE CIRCLE.													
I. Reserved forests	140	144	6	..	290	78	3,850	..	..	3,928	4,218		
II. Leased forests	270	47	31	..	270	..	364	..	..	364	446		
III. Unreserved lands	4	..	..	..	82	..	..	..	..	..	..		
Total ..	414	191	37	..	642	78	4,214	..	..	4,292	4,934		
OOTAUMUND CIRCLE.													
I. Reserved forests	813	315	1	..	1,129	105	2,437	..	..	2,542	3,671		
II. Leased forests	187	4	..	..	191	..	1	..	..	1	195		
III. Unreserved lands	130	11	3	24	168	15	242	..	105	362	530		
Total ..	1,130	330	4	24	1,488	123	2,680	..	105	2,908	4,396		
ABSTRACT FOR THE PROVINCE.													
Reserved forests	1,085	998	33	..	2,056	696	15,894	130	..	16,680	18,736		
Leased forests	457	4	491	..	..	3	1	..	..	4	465		
Unreserved lands	201	217	196	24	638	17	1,393	..	105	1,435	2,093		
Total ..	1,743	1,159	239	24	3,155	706	17,198	130	105	18,139	21,294		

Appendix to Form No. 35.

Statement showing the outturn of timber by species (in thousands of cubic feet of logs) removed from reserved forests (including leased areas) by Departmental Agency during 1939-40

Name of circle.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
		Album (Sandalwood).	Grandis (Teak).	Dalbergia latifolia (rosewood).	Mesua ferrea (Nam- gal).	Kopea parviflora (Irumbogam).	Shorea (sal).	Pterocarpus maru- pium (Vengal).	Terminalia tomen- tosa (karimaru).	Terminalia panicu- lata (pillamaru- du).	Pterocarpus santa- linus (red-sanders).	Xylo- carpa (trul).	Miscellaneous.	Total.
Bellary	..	..	35	3	..	..	..	7	17	..	..	..	33	95
Salem	..	..	11	21	89	..	..	..	33	41	..	..	9	42
Coimbatore	..	..	172	59	128	30	..	..	81	42	..	108	37	410
Ootacamund	..	..	485	..	..	..	..	42	81	..	..	..	153	1,130
Total for the Province	..	43	692	83	217	20	..	53	131	83	3	110	232	1,677

(a) Includes 130 cubic feet of timber obtained from unreserved lands in South Kanara Forest division.

FORM No. 36.

Outturn of Minor Forest Produce during the year 1939-40.

Description of produce.	Produce removed or utilized				Total.
	By Govern- ment agency.	By purchasers.	By free grantees.	By right- holders.	
	Value.	Value.	Value.	Value.	
	(2)	(3)	(4)	(5)	(6)
(1)	RS.	RS.	RS.	RS.	RS.
BELLARY CIRCLE.					
<i>Reserved forests.</i>					
Bamboos	595	1,25,326	387	3	1,26,301
Grazing	..	1,22,221	6,207	2,702	1,31,180
Fodder grass	..	4,476	..	..	4,476
Total	..	1,28,697	6,307	2,702	1,35,606
<i>Minor forest produce.</i>					
Grass (hay and thatch)	87	628	102	1	818
Tamarind	..	9,982	..	..	9,982
Soapnuts	..	4,289	..	..	4,289
Adda leaves	..	190	..	..	190
Horns	..	17	..	..	17
Honey and wax	32	213	..	..	245
Tangedu bark	..	5,310	..	..	5,310
Date, palmyra and plate leaves	..	926	..	..	926
Palmyra fruits	..	116	..	20	136
Tumkil leaves	..	2,417	..	..	2,417
Myrabolams	..	540	..	..	540
Reed mats	..	50	..	..	50
Seeds	21	181	..	..	192
Manure leaves	..	192	..	..	192
Stone, gravel and earth	..	2,528	..	..	2,528
Yepi fibre	..	382	..	..	382
Babul pods	..	20	..	..	20
Lime stone	..	290	..	..	290
Cattle manure	..	672	..	..	672
Bela bark	..	3,683	..	..	3,683
Madaga leaves	..	321	..	..	321
Minor forest produce	..	13,827	..	..	13,827
Madagascar ore	..	1,625	..	..	1,625
Thorns	..	544	..	..	544
Miscellaneous	50	1,023	..	..	1,073
Total, Minor forest produce— Reserved Forests	190	49,922	102	21	50,225
<i>Reserved lands (Rampa).</i>					
Bamboos	..	33,112	..	..	33,112
Grazing	..	3,642	..	..	3,642
<i>Minor forest produce.</i>					
Tamarind	..	18,876	..	..	18,876
Soapnuts	..	45	..	..	45
Adda leaves	..	475	..	..	475
Myrabolams	..	640	..	..	640
Marking nuts	..	1	..	..	1
Grass twine	..	1	..	..	1
Shekal	..	295	..	..	295
Nallabeeja	..	10	..	..	10
Wax	..	36	..	..	36
Honey	..	2	..	..	2
Grapes	..	1	..	..	1
Horns	..	35	..	..	35
Total	..	20,741	..	..	20,741

Outturn of Minor Forest Produce during the year 1939-40—cont.

Description of produce.	Produce removed or utilized				Total.
	By Govern- ment agency.	By purchasers.	By free grantees.	By right- holders.	
	Value.	Value.	Value.	Value.	
	(2)	(3)	(4)	(5)	(6)
(1)	RS.	RS.	RS.	RS.	RS.
BELLARY CIRCLE—cont.					
<i>Unreserved forests.</i>					
Bamboos	96	9,110	39	..	9,245
<i>Minor forest produce.</i>					
Grass (hay and thatch)	..	1,023	..	..	1,023
Tamarind	..	1,461	..	..	1,461
Horns	..	6	..	..	6
Tangedu bark	..	41,261	..	..	41,261
Date and palmyra leaves	..	537	138	..	675
Tumkil	..	941	..	..	941
Reed mats	..	25	..	..	25
Seeds	..	61	..	..	61
Stone, gravel and earth	..	488	..	..	488
Bela bark	..	1,366	..	..	1,366
Manure leaves	..	5	..	..	5
Palmyra leaves	..	6	3,274	..	3,280
Minor forest produce	..	36,575	24	..	36,601
Lime stone	..	591	..	..	591
Tree owner's fees	..	1,02,068	..	..	1,02,068
Miscellaneous	..	2,354	..	..	2,354
Total of Minor forest produce — Unreserved	..	1,88,768	3,438	..	1,92,206
Grand total of bamboos of reser- ved forests—Reserved lands and unreserved	691	1,67,548	406	3	1,68,648
Grand total of grazing of reser- ved forests and reserved lands	..	1,30,339	6,207	2,702	1,39,248
Grand total of Minor forest pro- duce—Reserved forests— Reserved lands and unreserved forests	190	2,59,107	3,540	21	2,62,858
SALEM CIRCLE.					
<i>Reserved forests.</i>					
Bamboos	89 (a)	1,01,903	371	..	1,02,363
Grazing	..	1,37,367	..	101	1,37,468
Penning	..	3,690	..	..	3,690
<i>Other produce.</i>					
Sarasaparilla	..	509	..	..	509
Battans	..	1,157	..	..	1,157
Gallnuts	..	782	1,010	..	2,362
Nuxvomica	..	2,263	37	..	2,300
Soapnuts	..	7,612	215	..	7,827
Avaram (Tangedu)	..	7,938	..	..	7,938
Konnal (Bela)	..	1,555	..	..	1,555
Avaram, konnal and surul bark	..	1,199	..	..	1,199
Surul bark	..	14	..	..	14
Surabhi bark	..	55	..	..	55
Tamarind and soapnuts	..	230	..	..	230
Tamarind, soapnuts and gallnuts	..	4,544	..	..	4,544
Nuxvomica, avaram, vembadam, surul and konnal	..	161 (c)	..	..	161 (c)
Tamarind	685	2,129	..	..	2,814
Honey, wax, resin, gum and gallnuts	..	652	..	..	652
Leo Poliah	5,161	5,752	..	..	10,913
Toolilaves	..	3,087	..	..	3,087
Manure leaves	..	511	..	..	511
Date, palm, palmyra and plate leaves	..	31	22	..	53
Thatch grass and grass	..	28	..	..	28
Palmyra fruit and mangoes	..	1,427	..	..	1,427
Gravel, sand, metal and stones	..	132	..	..	132
Rough and chiselled stones	..	24	..	..	24
Karappu aku	..	..	..	..	..
Pittapic, cow, bats dung and penta manna	..	220	..	..	220
Barytes	..	15	..	..	15
Other items	257	7,066	..	..	7,323
Total, Other produce	19,426 (b)	38,621	22	..	57,069
Total, Reserved forests	18,515	2,81,581	393	101	3,00,590

(a) Includes bamboos valued Rs. 40 used for departmental works.
 (b) Includes Rs. 145 worth of seeds collected departmentally.
 (c) Difference is due to apportioning Rs. 40 to unreserved.

Outturn of Minor Forest Produce during the year 1939-40—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>Reserved lands.</i>					
Grass and grazing	..	63	..	..	63
<i>Unreserved forests.</i>					
Bamboos	..	2	48	..	50
<i>Other produce.</i>					
Tree owner's fees	..	6,534	..	..	6,534
Tree tapping	..	27	..	..	27
Sivayilama tree tax	..	679	..	..	679
Usufruct of trees	..	908	..	..	908
Tangedu (avaram)	..	5,993	..	..	5,993
Rela	..	115	..	..	115
Tamarind and soapnuts	..	274	..	..	274
Tamarind	..	51	..	..	51
Tooki leaves	..	2,536	..	..	2,536
Amroy	..	3,308	..	..	3,308
Date, palm and plate leaves	..	1,344	1,088	..	2,432
Koral grass	..	13	..	..	13
Palmyra produce	..	161	..	..	161
Wood apple	..	19	..	..	19
Screw pine	..	291	..	..	291
Hasthavaram clay	..	1,510	..	..	1,510
Laterite stones	..	169	..	..	169
Rough chiselled and lime stones	..	572	..	..	572
Stone, gravel and sand	..	1,453	..	..	1,453
Other items	..	20,918	41	..	20,959
Total, Other produce	..	46,870 (a)	1,109	..	47,979
Total, Unreserves	..	46,872	1,157	..	48,029
Grand total	18,515	3,28,516	1,550	101	3,48,882
<i>Abstract.</i>					
Bamboos	89	1,01,905	410	..	1,02,413
Grazing and grass	..	1,37,430	..	101	1,37,531
Penning	..	3,690	..	..	3,690
Other produce	18,426	85,491	1,131	..	1,05,048
Total	18,515	3,28,516	1,550	101	3,48,882

COIMBATORE CIRCLE.

<i>Reserved forest.</i>					
Bamboo	80	68,926	37	..	69,043
Grazing	..	1,10,901	46	2,687	1,13,634
Fodder grass	..	258	..	..	258
Total	..	1,11,159	46	2,687	1,13,892
<i>Other minor produce.</i>					
Avaram and konnai barks	..	73	4,232	..	4,232
Wattle bark	..	82	1,858	..	1,940
Tamarind	..	..	295	..	295
Date leaves and thatch grass	..	..	7,847	..	7,847
Manure leaves	..	..	97	..	97
Kaya leaves	..	..	31	..	31
Batian	..	..	..	..	..
Seeds	..	..	..	..	..
Stone, metal and gravel	84	..	..	..	84
Magnesite	..	2,323	..	..	2,323
Usufructs of palmyra	..	579	..	..	579
Tree tax	..	1,409	..	607	2,016
(a) Difference is due to apportioning Rs. 40 to unreserves.	..	93	..	..	93

Outturn of Minor Forest Produce during the year 1939-40—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.
COIMBATORE CIRCLE—cont.					
<i>Other minor produce—cont.</i>					
Bambur and deer horns	204	..	..	..	204
Ivory	602	..	..	..	602
Gallnuts	102	3,467	..	..	3,569
Myrabolams	..	1,181	..	..	1,181
Cardamom	..	23,224	..	..	23,224
Lac	6,200	..	..	..	6,200
Honey and wax	331	40	..	..	371
Miscellaneous	..	17,810	..	..	17,810
Total	10,878	64,486	..	607	75,771
<i>Reserved lands.</i>					
Grazing	..	197	..	..	197
<i>Unreserves.</i>					
Bamboos	..	1	182	..	183
<i>Other produce.</i>					
Avaram bark	..	2,629	..	..	2,629
Tamarind	..	139	..	..	139
Date leaves, etc.	..	670	..	..	670
Manure leaves	..	12	..	..	12
Quarrying	..	2,616	..	..	2,616
Tree tax	..	703	..	..	703
Gallnuts	..	244	..	..	244
Myrabolams	..	680	..	..	680
Amroy (mango) sales	..	938	..	..	938
Miscellaneous	..	37,709	26	..	37,735
Total	..	46,296	26	..	46,310
<i>Abstract.</i>					
Bamboos	80	68,927	219	..	69,226
Grazing and fodder	..	1,11,356	46	2,687	1,14,089
Other minor forest produce	10,078	1,10,776	26	607	1,22,087
Total	10,758	2,91,059	291	2,294	3,05,402
OOTACAMUND CIRCLE.					
<i>Reserved forests.</i>					
Bamboos	10,580 (a)	11,368	49	..	21,997
Grazing and fodder grass	..	15,957	383	..	16,340
Honey	1,941	898	13	..	2,852
Stone and gravel	..	310	..	..	310
Granite metal	..	..	..	..	..
Wax	375	..	..	..	375
Arecanuts	49	302	..	..	351
Canes and fibre	95	1,259	..	..	1,354
Cardamoms	3,622	..	..	..	3,622
Ivory	402	..	..	..	402
Pepper	3	..	..	..	3
Konnai bark	44	15	..	..	59
Usufruct leases	..	180	..	..	180
Fishing leases	..	150	..	..	150
Tree owner's fees	..	65	..	..	65
Seeds	12	16	..	..	28
Thatch grass	186	43	..	..	229
Coconuts	..	1,575	..	..	1,575
Sheekol	260	171	..	..	431
Tamarind	..	100	..	..	100
Avaram	173	6,095	..	..	6,268
Other minor forest produce	..	..	..	..	..
Total	7,162	11,177	13	33	18,385

Outturn of Minor Forest Produce during the year 1939-40—cont.

Description of produce. (1)	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.
OOTACAMUND CIRCLE—cont.					
Leased forests.					
Bamboos	5,905	11	..	..	5,916
Other produce.					
Seeds	303	..	..	..	303
Thatch grass	28	..	..	..	28
Granite metal	..	30	..	..	30
Cashewnuts	..	132	..	..	132
Sheekoi	..	35	..	..	35
Total	331	197	..	..	528
Unreserved.					
Bamboos	..	20	..	..	20
Metal	..	22	..	..	22
Sand	..	4	..	..	4
Usufructs of trees	..	105	..	..	105
Tree owners' fees	..	668	..	..	668
Amroy sales	..	55	..	..	55
Sivaljama trees tax	..	1,091	..	..	1,091
Avaram	..	14	..	..	14
Other minor forest produce	..	135	..	..	135
Total	..	2,048	..	..	2,048
Abstract.					
Bamboos	16,465	11,390	40	..	27,913
Podder and grazing	..	15,957	383	..	16,340
Other minor produce	7,493	16,176	13	33	23,715
Total	23,958	43,522	445	33	67,958
ABSTRACT FOR THE PROVINCE.					
Reserved forests.					
Bamboos	11,324	8,07,523	824	3	3,19,674
Grazing	..	3,94,870	6,636	5,490	4,06,996
Other produce	36,456	1,64,206	137	661	2,01,450
Reserved lands.					
Bamboos	..	33,112	..	..	..
Grazing	..	3,902	..	..	..
Other produce	..	20,417	..	..	..
Unreserved lands.					
Bamboos	96	9,133	269	..	..
Grazing	..	..	..	..	..
Other produce	..	2,86,730	4,573	..	..
Leased forests.					
Bamboos	5,905	11	..	..	..
Grazing	..	..	..	..	..
Other produce	331	197	..	..	..
Grand total for the Province—					
Bamboos	17,325	3,49,779	1,093	3	..
Grazing	..	3,98,772	6,636	5,490	..
Other produce	36,787	4,71,550	4,710	661	..
Total	54,112	12,30,101	12,429	6,154	..

FORM No. 37.

Account of timber, fuel, bamboos and minor produce out or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1939-40.

Name of circle. (1)	Balance at commence- ment of the year in forest and sale depots. (2)	Received during the year. (3)	Total. (4)	Disposed of during the year. (5)	Balance in hand at close of the year in forest and sale depots. (6)
TIMBER (in thousands of cubic feet).					
Bellary	59	124	183	132	51
Salem	4	42	46	32	14
Coimbatore	76	261	337	209	128
Ootacamund	683	1,130	1,813	1,025	788
Total	822	1,557	2,379	1,398	981
FUEL (in thousands of cubic feet).					
Bellary	143	365	508	321	187
Salem	51	141	192	148	44
Coimbatore	5	80	85	59	26
Ootacamund	48	123	171	114	57
Total	247	709	956	637	319
BAMBOOS (in number).					
Bellary	3,013	75,323	78,336	74,740	3,596
Salem	20	5,869	5,889	5,629	260
Coimbatore	1,357	10,043	11,400	7,530	3,870
Ootacamund	37,419	2,52,216	2,89,635	281,011	8,624
Total	41,809	3,43,451	3,85,260	369,110	16,150
MINOR FOREST PRODUCE (in quarters of 28 lb.).					
Bellary	1,307	18,147	19,454	18,580	874
Salem	9,154	11,922	21,076	18,624	2,452
Coimbatore	(a) 105	(a) 604	(a) 714	(a) 614	(a) 100
Ootacamund	(b) 2,598	14,357	16,955	11,901	5,054
Total	13,616	47,836	61,453	51,553	9,880
GRAND TOTAL FOR THE PROVINCE.					
Timber (in thousands of cubic feet).	822	1,590	2,412	1,431	981
Fuel (in thousands of cubic feet)	247	709	956	637	319
Bamboos (in numbers)	41,809	343,451	385,260	369,110	16,150
Minor forest produce (in quarters of 28 lb.)	13,616	47,836	61,453	51,553	9,880
Lac polish in gallons	105	604	714	614	100

(a) Lac polish in gallons.
(b) Excludes the Salem Central division timber.

FORM No. 38.

Statement showing the value of timber and other produce at sale depots for the year 1939-40.

Circles.	(1)	(2) Number.	On hand at commencement of the year.		(5) Number.	On hand at close of the year.		Difference in value.	
			Cubic feet.	Value.		Cubic feet.	Value.	In favour of the year.	Against the year.
				RS.			RS.	RS.	RS.
Timber.									
Bellary ..	(b) 644	(b) 29	(b) 405	100	(b) 5	(b) 74	..	331	..
Salem ..	7,482	(d) 55,340	16,079	22,000	38,618	14,104	6,814	8,789	..
Coimbatore ..	(b) 17,509	(b) 2,41,985	..	..	4,928	4,150	3,966	..	..
Ootacamund ..	(c) 1,459	(e) 52,388	(b) 11,512	(d) ..	(b) 17,792	(b) 2,65,627	(b) 23,642	..	..
Total for the Madras Province ..	..	..	121,932	1,95,526	..	114,985	1,79,781	82,717	98,402
	..	..	5,23,317	..	..	6,04,705	82,389	..	..
Fuel.									
Bellary ..	..	..	14,024	588	48	3,280 lb.	266	71	398
Salem ..	..	..	52,614	1,531	bags of charcoal.	5,367	..	..	..
Coimbatore ..	..	..	7,254	454	..	40,843	2,583	1,052	..
Total for the Madras Province ..	..	..	..	..	..	26,013	1,940	886	..
	..	..	2,573	..	..	..	4,189	1,616	..
Minor forest produce in qrs. of 28 lb.									
Bellary ..	..	..	672	..	..	531	819	787	7
Salem ..	..	..	78	..	..	..	..	..	..
Coimbatore ..	..	..	8,844	..	..	2,152	..	..	..
Total for the Madras Province ..	..	..	(a) 105	6,364	..	(a) 95	3,035	..	3,329
Grand total for the Madras Province ..	..	..	(d) 8,462	..	..	..	21,340	12,970	93
	..	..	14,865	..	..	..	25,184	10,339	..
	..	..	5,39,755	..	..	..	6,34,039	91,334	..

(a) Lac product.
(b) Sandalwood.
(c) Sleepers.
(d) Revised figures adopted.
(e) Difference is due to abolition of Salem Central division.

Summary of Revenue of different districts for the year 1939-40.

Budget heads.	Direction.	Bellary Circle.	Village- Pattam.	Godavari, Upper.	Godavari, Lower.	Guntur.	Kurnool, East.	Kurnool, West.	Anantapur.	Total.
		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
X. Forest Receipts.										
(a) Timber and other produce removed from forests by Government Agency—										
Sandalwood ..	..	..	298	247	261	237	..	173	105	(a) 1,321
Timber ..	..	..	2,385	22,071	6,455	55	1,937	3,688	1	(b) 36,592
Firewood ..	..	..	339	151	12,459	659	13	9	9	13,636
Grass ..	..	..	..	..	321	12	92	20	62	248
Other minor produce ..	..	..	..	..	..	..	..	..	..	533
Total ..	..	..	3,048	22,469	19,496	963	2,279	3,896	177	52,328
(b) Timber and other produce removed from the forests by consumers or purchasers—										
Forest Department—										
Timber ..	..	..	708	16,683	10,443	399	5,448	12,737	755	47,673
Firewood ..	..	..	5,438	708	70,094	27,955	1,719	6,093	7,407	1,21,441
Bamboos ..	..	..	33,217	58,465	58,465	1,845	7,821	33,475	765	1,67,537
Grass ..	..	..	4,805	4,466	4,805	43,279	25,767	16,519	28,541	1,30,339
Other minor produce ..	..	..	15,065	2,514	25,062	8,085	3,679	8,219	10,756	63,380
Total, Forest Department ..	..	..	57,765	87,568	1,70,896	82,093	44,461	74,243	48,324	5,35,370
Revenue Department—										
Timber ..	..	..	594	..	1,908	2,191	89	340	3,859	8,791
Firewood ..	..	..	981	..	3,420	13,801	314	779	3,333	22,778
Bamboos ..	..	..	..	..	..	..	..	..	..	..
Other minor produce ..	..	..	3,328	..	14,480	18,427	2,344	15,357	1,39,143	1,93,579
Total, Revenue Department ..	..	..	5,439	..	19,908	34,419	2,747	16,476	1,46,187	2,25,468
Total ..	..	..	63,194	57,533	1,90,804	1,16,512	47,208	90,719	1,94,511	7,60,538
(c) Drift and waifwood and confiscated forest produce—										
Miscellaneous ..	..	..	76	595	1,639	131	331	464	194	3,400
Firewood ..	..	..	713	..	992	491	303	1,299	215	4,013
Bamboos ..	..	..	635	1,704	1,371	488	2,715	2,665	702	10,780
Other sources ..	..	..	3,850	944	5,328	12,309	6,421	9,791	13,563	51,751
Contribution towards leave salary of officers lent to foreign service ..	..	..	68	290	..	..	..	..	..	358
Total ..	..	..	45	4,766	2,938	8,191	9,439	13,755	14,480	66,902
Total ..	..	..	45	71,084	2,20,100	1,30,894	69,257	1,06,884	2,09,363	8,83,166
Total ..	..	..	..	38	8,222	1,983	21	12	9	10,667
Grand total ..	..	..	45	71,046	75,363	1,29,718	59,236	1,08,323	2,09,363	8,72,469

(a) This figure includes Rs. 1,313 realized in Bellary Circle by sale of sandalwood of Salem Circle and excludes Rs. 52 realized in Salem Circle by sale of sandalwood of Anantapur division of this circle.
(b) This figure includes Rs. 3,415 realized in Guntur division of this circle by sale of spikes and felled of Ootacamund Circle.
(c) This figure includes Rs. 3,415 realized in Ootacamund Circle relating to Bellary Circle and includes Rs. 3-12-0 collected in Guntur division of this circle relating to Thimbley division of Ootacamund Circle.
(d) This figure includes Rs. 2-1-0 realized in Bellary Circle relating to Ootacamund Circle.

Summary of Revenue of different districts for the year 1939-40—cont.

Budget heads.		Direction.	Chittoor.	Vellore, East.	Vellore, West.	Salem, North.	Cuddapah, North.	Cuddapah, South.	Nellore.	Total.
		RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
SALEM CIRCLE.										
X. Forest Receipts.										
(a) Timber and other produce removed from the forest by Government Agency—	1, 84	33,642	*	67,613	3,09,191	..	276	..	..	4,12,589
Sandalwood	238	..	..	150	77	12	1,365	..	..	1,836
Other produce—	179	..	..	72	4	35	152	..	..	4,493
Timber	44	..	..	..	5	..	..	..	..	49
Firewood and charcoal	37	66	..	782	5,161	9	..	..	..	18,261
Bamboos	..	..	..	..	..	..	..	..	..	18,261
Other minor produce	2,356	33,708	89,617	3,44,441	..	59	1,793	..	..	4,37,245
Total (a)	..	..	..	..	..	..	..	..	..	..
(b) Timber and other produce removed from forests by consumers and purchasers—	..	..	..	..	..	..	..	..	..	..
Forest Department—	..	..	..	..	..	..	..	..	..	..
Timber	585	11,380	87	33	33	4,376	27	..	..	5,109
Firewood and charcoal	7,520	47,170	380	1,055	1,055	12,083	8,500	..	..	1,00,476
Bamboos	6,092	18,308	28,998	6,999	6,999	16,156	10,046	..	..	1,01,963
Grass and fodder grass	16,229	15,398	18,732	24,558	24,558	28,512	13,365	..	..	1,37,430
Other minor produce	11,985	8,501	4,530	2,330	2,330	6,731	1,701	..	..	36,661
Total, Forest Department	45,985	78,448	50,737	35,945	35,945	57,658	34,238	..	..	3,83,579
Revenue Department—	..	..	..	..	..	..	..	..	..	..
Timber	771	3,231	296	1,772	1,772	1,183	72	..	..	7,034
Firewood and charcoal	2,387	11,462	893	1,507	1,507	1,504	252	..	..	20,935
Bamboos	4,453	31,743	3,753	7,454	7,454	9,403	3,804	..	..	46,835
Other minor produce	5,611	28,438	4,942	10,733	10,733	8,125	3,218	..	..	74,193
Total, Revenue Department	53,536	1,04,866	55,689	40,398	40,398	65,993	37,456	..	..	4,57,682
Total (b)	..	..	180	73	73	171	189	..	..	837
(c) Drift and waste wood and confiscated forest produce	..	..	..	..	..	..	..	..	..	..
Miscellaneous—	..	..	..	..	..	..	..	..	..	..
Grasses and forfeitures	275	1,562	492	184	184	571	659	..	..	1,536
Rents of buildings	2,174	2,308	1,084	1,151	1,151	2,290	1,362	..	..	11,294
Other sources	7,478	3,180	6,790	8,390	8,390	8,545	5,807	..	..	24,223
Total (c)	9,927	12,031	8,366	9,725	9,725	11,406	7,793	..	..	70,765
Grand total	85,930	1,50,717	1,23,783	87,058	87,058	77,937	47,236	..	..	9,66,533
Deficit—Refund is by Forest officers	9	1,740	2,875	9	14	108	101	..	..	4,856
Grand total	65,921	1,46,977	1,20,907	3,70,538	3,70,538	77,815	47,128	..	..	9,61,677

* Includes Rs. 15,943 being the revenue of other circles realized in this circle and in Forest Utilization Division.
2,980 being the revenue of this circle realized outside this circle and in Forest Utilization Division.
4 Krishna Rs. 11 relating to Salem North division realized in Cumbalure Circle.

- Includes Rs. 15,913 being the revenue of other circles realised in 1940-41.

† Excludes Rs. 11 relating to Salem North division realized in Collocation Circle.

Summary of Revenue of the different districts for the year 1939-40—cont.

Summary of Revenue of the different divisions for the year 1922-23.									
Budget heads.	Direction	Kollegal.	Colombatore North.	Colombatore South.	Madara.	Tinnevely.	Salem South.	Tanjore.	Total.
COMBATORS CIRCLE.									
X. Forest Receipts									
(a) Timber and other produce removed from the forests by Government Agency—	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Sawnwood	..	4 (a) 2,29,919	..	..	(b) 15	(c) 107	(d) 88	..	2,27,133
Other produce—	..	61	1,109	2,70,767	3,457	2,220	5	..	2,77,620
Timber	..	54	69	183	5,342	82	..	..	3,728
Firewood and charcoal	..	10	..	..	..	..	..	..	10
Bamboos	..	(a) 35	(f) 543	(g) 505	9,506	1,245	(A) 9	..	11,863
(b) Other minor produce	..	..	..	..	..	..	..	..	..
(c) Timber and other produce removed from the forests by consumers and purchases—	..	..	..	..	..	..	..	..	..
Forest Department—	..	..	..	..	..	..	..	..	..
Timber	..	1,896	538	22,284	3,329	12,120	694	..	40,891
Firewood and charcoal	..	2,578	29,939	10,739	61,611	78,541	23,492	..	2,08,527
Bamboos	..	8,073	17,492	5,206	3,110	1,396	23,443	..	1,98,215
Grass and fodder grass	..	25,154	22,094	4,174	13,186	5,699	13,426	..	52,534
Other minor produce	..	3,541	7,376	3,660	30,061	7,967	13,430	..	67,191
Revenue Department—	..	..	..	..	..	..	..	..	..
Timber	..	42	528	293	3,057	4,580	4,580	..	3,410
Firewood and charcoal	..	106	2,035	1,162	6,589	15,849	10,665	..	39,368
Bamboos	..	1,079	1,021	731	7,836	9,301	23,066	..	47,530
Other minor produce	..	80	853	147	347	138	542	..	1,383
(d) Drift and waifwood and sea-shore produce	..	..	..	..	..	..	..	..	..
(e) Miscellaneous—	..	..	..	..	..	..	..	..	..
Pines and other trees	..	274	593	290	1,217	125	904	..	3,417
Rents of buildings	..	1,320	1,144	(i) 2,303	2,703	(j) 1,466	1,118	..	10,105
Other sources	..	4,434	15,159	7,332	15,760	6,792	17,303	..	68,991
Contribution towards leave salary of officers lent to foreign service	..	48,743	3,26,496	3,29,537	1,70,736	1,67,563	1,64,155	..	11,97,533
Total	..	167	1,103	113	513	4,214	444	..	6,831
Deduct—Revenue—Voted by forest officers	..	48,531	3,25,768	3,29,574	1,63,973	1,43,354	1,63,711	..	11,90,641
Grand total	..	..	..	..	..	..	..	..	..
Notes for Coimbatore Circle—									
(a) The amount is distributed as follows:—	Rs.	..	..	..	..	..	..	..	..
Kollegal	..	82,723	..	..	..	..	..	..	..
The Nilgiris	..	21,635	..	..	..	..	..	..	..
Coimbatore North	..	1,23,561	..	..	..	..	..	..	..
Total	..	2,29,919	..	..	..	..	..	..	..

Notes for Cashier's Office—	
(a) The amount is distributed as follows:—	
Kollegal	82,753
"	90,685
The Nilgiris	1,26,561
Ootacamere North	2,39,919
Total	5,00,918

AZADISTAN : 07-82907

... .. The on wall in Notecard Circle

(a) Estimated \$5.30 million as compared to \$4.5 million for 1999.

(b) Inclusion No. 10 relating to Oxyphosphorus is not included.

(c) Includes RA-7 relating to (b)(1)

Treatment in Salomon Islands

Figure 1

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Summary of Revenue of the different districts for the year 1939-40—cont.

ANNUAL REPORT OF THE

Budget heads.	Direction.	South Kanara.	Wysaad.	Nilambur.	Palghat.	The Nilgiris.	Provincial Silviculturist.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
OOTYACAMUND CIRCLE:								
X (a) Timber and other produce removed from the forests by Government Agency—								
(a-1) Sandalwood	..	1,024	2	..	15	12	..	1,123
(a-2) Other produce—								
Timber	..	1,048	3,62,166	3,91,833	52,374	41,355	..	9,52,618
Firewood and charcoal	..	932	..	217	789	4,170	..	6,153
Bamboos	..	..	..	17,219	101	..	..	17,350
Other minor produce	..	..	1,956	413	3,214	929	..	6,902
Total, X (a)	..	1,97,351	3,64,124	4,09,712	56,493	46,466	..	9,94,146
X (b) Timber and other produce removed from the forest by consumers and purchasers—								
Forest Department—								
Firewood and charcoal	..	10,146	111	234	44,740	19,115	..	80,350
Bamboos	..	204	263	706	9,163	1,039	..	11,380
Grazing and fodder grass	..	6,466	2,381	3,821	3,309	3,309	..	15,957
Other minor produce	..	4,382	574	2,342	1,604	2,481	..	11,383
Timber	..	142	4,454	50,056	696	533	..	55,336
Total, Forest Department	..	27,340	7,768	53,338	60,024	26,482	..	1,74,956
Revenue Department—								
Timber	..	1,760	676	47	531	111	..	3,155
Firewood and charcoal	..	5,216	12	3	1,776	1,473	..	8,480
Bamboos	..	15	..	..	..	4	..	19
Other minor produce	..	3,160	275	..	1,317	103	..	4,855
Total, Revenue Department	..	10,151	943	50	3,674	1,691	..	16,509
Total, X (b)	..	37,491	8,711	53,388	63,698	28,173	..	1,91,465
X (c) Drift and waifwood and confiscated produce ..	..	329	13	26	75	17	..	460
X (d) Miscellaneous—								
Fires and forfeitures	..	22	9	54	761	43	..	899
Rents of buildings	..	3,713	3,548	2,218	1,643	1,146	..	13,438
Other sources	..	6,970	3,386	10,804	8,841	14,156	..	45,228
Leave salary contribution	..	..	..	..	..	..	..	567
Total, X (d)	..	10,702	6,943	13,076	11,245	15,345	..	69,730
Total, X Forest	..	1,85,953	3,79,791	4,76,203	1,31,511	90,001	..	12,36,791
Total, Receipts	..	1,53,780	3,79,746	4,76,109	1,31,487	90,333	..	12,35,923

FOREST DEPARTMENT FOR 1939-40

Summary of Revenue of the different districts for the year 1939-40—cont.

Budget head.	Amount.
RS. A. P.	
FOREST ENGINEERING DIVISION.	
X. Forest Revenue—Provincial—	
G. Miscellaneous—	40 0 0
Rents of buildings	644 0 0
Other sources	32 0 0
Leave salary contribution	1,016 0 0
FOREST UTILIZATION DIVISION.	
X. Timber and other produce removed from the forests by Government Agency—	
Sandalwood	1,571 0 0
Other produce—timber	22,766 0 0
Other minor produce	1,189 0 0
Miscellaneous—	
Other sources	394 0 0
	25,919 0 0

Includes value of rosewood planks supplied to Gun Carriage Factory, Jubbulpore.

Summary of Revenue of the different

Circles, etc., for the year 1939-40.

Budget heads. (1)	Bellary Circle. (2) RS.	Salem Circle. (3) RS.	Coimbatore Circle. (4) RS.	Ootacamund Circle. (5) RS.	Working Plans Personal Assistant. (6) RS.	Forest Utilization Officer. (7) RS.	Forest Engineer. (8) RS.	Chief Conservator of Forests. (9) RS.	Forest College. (10) RS.	Total.	
										1939-40. (11) RS.	1938-39 (12) RS.
(a) Timber and other produce removed from the forests by Government Agency—										6,43,738	6,88,050
Sandalwood	1,321	4,12,589	2,27,184	1,181	2,204	22,766	..	..	..	12,91,441	12,12,205
Other produce—										30,210	36,713
Timber	36,593	1,836	2,77,628	9,52,618	..	..	..	..	..	17,654	18,966
Firewood and charcoal	13,636	4,493	3,723	6,154	..	1,188	..	..	..	33,757	27,001
Bamboos	245	48	10	17,851	2,204	25,525	..	..	..	20,21,800	19,82,935
Other minor produce	533	18,292	11,852	6,969	..	..	..	..	..		
Total, X (a)	52,228	4,27,248	5,30,247	9,86,148	..	..	..	..	..		
(b) Timber and other produce removed from the forests by consumers or purchasers—										1,49,529	1,55,410
Forest Department—										5,10,893	5,18,078
Timber	47,673	5,109	40,861	55,886	..	..	..	..	..	3,49,745	3,77,973
Firewood and charcoal	1,21,440	1,00,476	2,08,627	80,350	..	..	..	..	..	3,95,780	3,97,067
Bamboos	1,67,537	1,01,903	68,925	11,399	..	..	..	..	..	1,85,613	2,16,573
Grazing and fodder grass	1,30,339	1,37,430	1,12,054	15,987	..	..	..	..	..	15,91,560	16,65,101
Other minor produce	68,380	38,660	67,190	11,389	..	..	..	..	..		
Total, Forest Department ..	5,35,369	3,83,578	4,97,657	1,74,968	..	..	..	..	..	27,383	34,695
Revenue Department—										90,860	1,04,327
Timber	8,780	7,037	8,410	3,156	..	..	..	..	..	50	150
Firewood and charcoal	22,778	20,234	39,368	8,480	..	..	..	..	..	2,02,795	2,82,725
Bamboos	28	2	1	19	..	..	..	..	..	4,11,088	4,21,897
Other minor produce	1,93,579	46,830	47,531	4,855	..	..	..	..	..		
Total, Revenue Department ..	2,25,165	74,103	95,310	16,516	..	..	..	..	..	6,636	7,359
(c) Drift and waifwood and confiscated forest produce	3,400	838	1,938	460	..	..	..	..	326	13,560	15,224
(e) Miscellaneous—					15	394	40	..	..	326	21,832
Fines and forfeitures	4,013	5,249	3,709	899	53	..	944	1,524	..	45,384	47,153
Forest College	..	..	..	..	..	..	32	..	..	2,23,403	2,35,433
Rents of buildings	10,781	11,298	9,813	15,429	..	..	..	..	..	1,013	3,620
Other sources	51,750	54,223	68,690	45,831	..	394	1,016	1,524	326	2,83,998	3,26,341
Contribution towards the leave salary of officers lent to Foreign Service	358	..	56	501	68	394	1,016	1,524	326	43,15,070	44,03,833
Total, X (e)	66,902	70,768	82,268	60,721	2,272	25,919	1,016	1,524	326	23,342	16,389
Grand total ..	8,88,164	9,66,535	11,97,530	12,56,791	2,272	25,919	1,016	1,524	326	42,91,826	43,86,944
(f) Deduct refunds—Refunds by Forest Officers.	10,868	4,856	6,881	83	..	..	..	..	..		
Grand Total ..	8,72,496	9,61,679	11,90,649	12,56,908	..	..	..	..	..		

Summary of Expenditure of the different districts for the year 1939-40.

Account heads (major, minor and sub-heads and units of appropriation),	Direction.	Vizagapatam.	Godavari, Lower.	Guntur.	Kurnool, East.	Kurnool, West.	Anantapur.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
BELLARY CIRCLE.								
Ordinary Areas.								
10. b. Conservancy and works—								
b. I-A. Forest produce removed by Government Agency—								
Timber	..	..	..	..	643	3,301	..	3,944
Other produce—								
Firewood and charcoal	..	..	1,247	32	248	..	3	1,580
Bamboos	..	..	..	..	154	..	..	154
Sandalwood	..	..	..	..	..	25	51	77
Grass and other minor produce	..	..	..	6	883	14	28	938
Total	..	8	1,247	38	1,928	3,340	82	6,643
b. I-B. Forest produce removed by private agency—Voted	..	..	..	..	..	..	..	..
Plant—Voted—								
Purchase of stores and tools and plant	..	39	163	843	258	1,831	26	1,857
Total	..	39	163	843	258	1,836	38	3,167
b. I-D. Roads and bridges—								
Roads and bridges	..	1,205	373	1,891	5,736	8,779	302	18,286
Buildings	..	844	2,512	1,956	1,942	3,803	1,959	12,516
Other works	..	7	5	9	86	122	32	281
Rates and taxes	..	83	279	..	151	291	181	936
Total	..	2,139	3,169	3,856	7,915	12,495	2,474	32,048

Summary of Expenditure of the different districts for the year 1939-40—cont.

Account heads (major, minor and sub-heads and units of appropriation),	Direction.	Vizagapatam.	Godavari, Lower.	Guntur.	Kurnool, East.	Kurnool, West.	Anantapur.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
BELLARY CIRCLE—cont.								
Ordinary Areas—cont.								
10. b. Conservancy and works—cont.								
b. I-B. Forest produce removed by Government Agency—								
Maintenance of boundaries	..	28	3,013	22	271	134	471	928
Protection from fire	..	843	..	1,250	867	2,000	665	8,438
Other items	..	26	..	30	370	999	147	1,385
Total	..	87	..	201	647	10	147	1,095
b. I-F. Other charges—								
Non-voted—								
Rates and taxes	..	..	..	20	25	..	72	117
Non-contract Contingencies—Non-voted—	..	..	77	..	..	..	..	1,024
Rates and taxes	..	947	..	..	..	..	..	..
Non-contract Contingencies—Voted—Miscellaneous—(Law charges)	..	..	..	..	..	..	..	..
Grants-in-aid—Miscellaneous—Recurring—	..	..	..	..	..	..	..	..
Supplies and Services—General—	..	529	..	3	91	14	19	656
Miscellaneous	..	1,476	77	23	116	14	91	1,797
Total	..	7,870	10,662	15,819	18,797	27,585	10,822	91,086
b. I-H. Suspense—Works Advances—Voted	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..

Summary of Expenditure of the different districts for the year 1939-40—cont.

Budget head.	Vizagapatam.	Godavari, Upper.	Godavari, Lower.	Total.
(1)	(2)	(3)	(4)	(5)
	RS.	RS.	RS.	RS.
BELLARY CIRCLE—cont.				
<i>Forest Conservancy, Maintenance and Regeneration—Partially excluded areas.</i>				
10. b. Conservancy and works—				
b. A. Forest produce removed by Government Agency—				
Timber	1,439	3,125	2,896	7,460
Firewood and charcoal	..	126	60	186
Grass and other minor forest produce	..	75	588	663
Total b. A. ..	1,439	3,326	3,544	8,309
b. B. Timber and other produce removed from the forests by consumers and purchasers ..	2,835	6,158	4,183	13,176
b. C. 1. Feed and keep of cattle	..	3,056	2,365	5,421
2. Renewals and replacements of stores, tools and plant	83	786	4,235	5,104
Total of C ..	83	3,842	6,600	10,525
b. D. 1. Roads and bridges	1,325	2,863	1,004	5,192
2. Buildings	1,093	2,097	700	3,890
Other works	15	31	40	86
Rates and Taxes	..	..	18	18
Total of D ..	2,433	4,991	1,762	9,186
b. E. 1. Regeneration	1,672	5,796	2,106	9,574
2. Fire protection	558	1,718	648	2,922
3. Maintenance of boundaries	251	666	905	1,822
Other items	13	..	..	13
Total of E ..	2,494	8,180	3,657	14,331
b. F. Other charges—				
Honoraria	..	..	50	50
Miscellaneous	..	68	3,446	3,514
Total of F. ..	..	68	3,496	3,564
b. H. Suspense works advances	..	..	..	..
Grand total of 10. b. Conservancy and works ..	9,284	26,565	33,242	69,091

Summary of Expenditure of the different districts for the year 1939-40—cont.

Budget head.	Direction.	Vizagapatam.	Godavari, Lower.	Guntur.	Kurmad, East.	Kurmad, West.	Anantapur.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
BELLARY CIRCLE—cont.								
10. c. A. District Establishments—Ordinary areas.								
10. c. A. Pay of officers—								
Charged	26,170	7,499	12,231	13,000	14,065	17,230	13,187	1,03,382
Total of c. A. ..	26,170	7,499	12,231	13,000	14,065	17,230	13,187	1,03,382
c. B. Pay of establishments—								
Permanent	..	5,600	..	..	..	2,725	..	8,325
Temporary	10,222	19,796	22,290	37,633	45,412	46,309	35,156	2,16,818
Total of c. B. ..	10,222	25,396	22,290	37,633	45,412	48,034	35,156	2,16,818
c. C. Allowances—								
Travelling allowances—Charged	4,441	1,715	2,271	1,934	2,783	2,337	2,882	13,363
Cost of passages	827	..	..	..	..	..	..	827
Total	5,268	1,715	2,271	1,934	2,783	2,337	2,882	14,190
Travelling allowances—Voted—								
Fixed travelling allowances	1,022	3,882	4,476	3,662	4,418	5,266	4,012	26,736
Other compulsory	..	767	1,332	2,336	2,032	2,032	1,066	8,796
Total of allowances—Voted ..	1,022	4,649	5,808	5,998	6,450	7,298	5,078	35,532
Total of allowances—Voted ..	1,022	4,649	5,808	5,998	6,450	7,298	5,078	35,532

Summary of Expenditure of the different districts for the year 1939-40—*cont.*

Budget head.	Direction.	Visagapatam.	Godavari, Lower.	Guntur.	Kurnool, East.	Kurnool, West.	Anantapur.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
10. c. A. District Establishments—Ordinary areas— <i>cont.</i>								
BELLARY CIRCLE— <i>cont.</i>								
Supplies and services—Service post- age.	1,208	950	1,295	1,403	1,200	1,350	1,448	8,854
Pay of menials	240	125	391	157	689	191	386	2,109
Tour charges	802	223	403	538	807	645	804	4,317
Office expenses	154	20	293	232	216	251	230	1,520
Rates and taxes	358	12	73	116	96	200	109	650
Apparatus and materials	74	106	166	108	194	200	109	957
Other charges	311	63	347	394	243	149	352	1,809
Total of c. D.	3,177	1,680	2,911	2,888	3,435	2,786	3,339	20,316
Total of 10 c. Forest Establishments	45,859	41,587	45,285	61,634	73,961	81,609	69,998	4,10,323

Summary of Expenditure of the different districts for the year 1939-40—*cont.*BELLARY CIRCLE—*cont.*10. c. A. District Establishments—*cont.*

Partially excluded areas.

Budget head.	Visagapatam.	Godavari, Upper.	Godavari, Lower.
(1)	(2)	(3)	(4)
	RS.	RS.	RS.
10. c. Forest Establishments—			
c. A. Pay of Officers—Charged	..	18,030	485
Total of C.A.	..	18,030	485
Pay of Officers—Voted	..	3,255	4,984
c. B. Pay of Establishments—Voted—			
Permanent	9,623	45,262	17,213
Temporary	161	18	562
Total of C.B.	9,784	45,275	17,775
c. C. Allowances and Honoraria—			
Travelling allowances—Charged	..	1,760	117
Voted—			
Travelling allowance	721	5,947	4,842
Fixed Travelling allowance	455	1,901	895
Other compensatory	122	924	360
Total of Allowances—Voted	1,298	8,772	6,097
c. D. Contingencies and Supplies and Services—			
Service postage and telegram charges	100	1,020	..
Pay of menials	75	634	78
Tour charges	17	288	108
Office expenses	..	135	..
Apparatus and materials	113	178	88
Other charges	..	..	..
Total of C.D.	305	2,801	254
Total of 10. C. Forest Establishments	11,387	79,919	29,662

Summary of Expenditure of the different districts for the year 1939-40—cont.

Account heads (major, minor and sub-heads and units of appropriation).	(1)	Direct on.	Chittoor.	Vellore, West.	Salem, North.	Cuddapah, North.	Cuddapah, South.	Nellore.	Total.
	RS.	(2)	RS.	(4)	(5)	(6)	(7)	(8)	(10)
a. I-A. Forest produce removed by Government agency—Voted—									
Timber	..	..	290	..	..	10	..	1,919	2,219
Firewood and charcoal	..	..	..	..	..	..	..	69	108
Bamboo	..	..	..	3,824	6,230	34,172	..	70	41,824
Bamboo	..	..	..	238	491	944	..	..	5,807
Grass and other minor produce	..	..	..	..	..	..	..	..	..
Total, a. I-A.—Voted..			1,056	3,913	6,714	35,126	..	2,058	52,781
b. I-B. Timber and other produce removed from the forests by contractors and purchasers.			8,147	7,452	5,409	7,535	8,999	8,883	55,064
b. I-C. 1. Feed and keep of cattle			..	..	..	..	..	..	..
b. I-C. 2. Renewal and replacement of stores, tools or plant			..	..	..	..	..	..	..
b. I-D. 1. Roads and bridges			..	..	..	..	..	..	..
b. I-D. 2. Buildings and other works—			..	..	..	..	..	..	..
Voted—			..	..	..	..	..	..	..
Buildings	..	..	2,631	3,433	1,721	2,086	3,323	2,518	15,795
Roads and bridges	..	..	295	354	208	107	268	86	1,384
Other works	..	..	197	134	63	360	14	34	917
Total, b. I-D. 2.—Voted ..			3,123	3,921	1,995	2,553	3,726	2,618	19,077
a. I-E. 1. Regeneration			..	..	..	..	..	..	..
a. I-E. 2. Fire protection			..	..	..	..	..	..	..
a. I-E. 3. Other works—			..	..	..	..	..	..	..
Voted—			..	..	..	..	..	..	..
Maintenance of boundaries	..	..	952	768	337	1,755	1,094	4,308	10,549
Other items	..	..	243	1,303	1,220	683	1,240	109	5,875
Total, b. I-E. 3.—Voted ..			1,094	2,891	1,095	2,438	2,333	4,417	16,424
a. I-F. Other charges—			..	..	..	..	..	..	..
Voted—			..	..	..	..	..	..	..
Rentals	..	..	20	..	25	111	19	39	216
Rates and taxes	..	..	..	..	..	..	..	..	..
Miscellaneous	..	..	74	..	..	9,119	32	..	9,255
Total, b. I-F.—Voted ..			94	..	30	9,330	51	48	9,472
a. I-G. Suspense—Works—Advances			..	..	..	..	..	..	..
Grand total ..			7,074	24,854	18,704	63,503	17,837	30,338	1,33,873

FOREST DEPARTMENT FOR 1939-40

Summary of Expenditure of the different districts for the year 1939-40—cont.

Account heads (major, minor and sub-heads and units of appropriation).	(1)	Direction	Vellore, East.	Vellore, West.	Salem, North.	Cuddapah, North.	Cuddapah, South.	Nellore.	Total.
	RS.	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(10)
10. c. Establishments including Forest Panchayats—									
a. I. A. Pay of officers—									
Charged ..	32,425	..	19,067	12,180	4,950	17,486	15,908	11,726	78,558
Voted ..	..	9,950	..	..	..	..	..	..	58,645
Total, a. I. A. ..	32,425	9,950	19,067	12,180	4,950	17,486	15,908	11,726	1,36,203
a. I. B. Pay of establishments—Voted—									
Permanent ..	11,261	..	37,373	38,147	50,156	42,371	39,572	27,777	2,84,141
Temporary ..	..	210	572	940	3,410	740	..	..	6,281
Total, a. I. B. ..	11,261	37,583	39,119	39,433	53,566	43,111	39,572	27,777	2,90,423
a. I. C. Allowances and bonuses—									
Charged ..	3,353	..	2,324	2,004	805	..	..	1,378	9,874
Voted ..	..	..	..	..	..	..	..	..	..
Total, a. I. C. ..	3,353	..	2,324	2,004	805	..	..	1,378	9,874
a. I. D. Contingencies—									
Voted—									
Postage and telegram charges	1,080	..	1,111	898	952	1,702	991	1,126	8,890
Pay of menials	132	..	114	176	165	353	604	434	2,217
Travel charges	132	..	436	249	249	912	899	714	4,869
Office expenses	150	..	158	228	134	332	202	160	1,455
Rates and taxes	250	..	302	302	7	..	..	..	1,084
Supplies and materials	29	..	53	71	129	..	..	..	493
Other charges	179	..	144	63	513	100	103	119	1,460
Total, a. I. D. ..	2,446	2,067	3,326	2,126	3,538	3,144	2,936	3,060	20,468
Total, 10. c. I. Establishments ..	50,323	86,481	69,589	59,997	92,540	67,099	61,535	49,207	5,07,321
Total, 10. c. .. {Charged ..	26,778	21,461	14,494	14,494	5,785	11,214	11,214	11,214	88,428
.. {Voted ..	23,545	64,981	48,128	48,128	87,755	57,885	50,321	37,993	4,18,893

Summary of Expenditure of the different districts for the year 1939-40—cont.

Budget heads.	Direction.		Collegal.	Colmba- lore, North.	Colmbatore, South.	Madura.	Tinnevely.	Salem, South.	Tanjore.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	RS.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
COMBATORE CIRCLE.										
10. b. Forests—Conservancy and Works.										
C. I. A. Forest produce removed by Government Agency—										
Voted—										
Timber	..	..	171	305	99,234	1,824	1,146	..	..	1,02,730
Firewood and charcoal	..	..	..	..	192	939	1	..	..	1,132
Bamboo	..	..	..	..	..	..	..	..	..	38
Sandalwood	..	..	277	5,873	14,085	..	226	..	..	24,431
Grass and other minor produce	..	..	..	65	156	6,443	416	..	..	8,337
C. I. B. Timber and other produce removed from the forests by consumers and purchasers.	..	..	..	7,251	2,034	11,945	6,474	..	380	49,066
C. I. C. Maintenance, repairs and renewals—										
C. I. e. 1. Feed and upkeep of cattle	..	..	261	287	22,200	115	433	..	..	22,633
C. I. e. 2. Renewals and replacements of stores, tools and plant.	..	..	..	..	753	..	346	..	..	2,276
C. I. D. 1. Communication and buildings—										
Roads and bridges	..	..	17,035	7,083	16,538	9,867	4,850	3,986	..	51,359
C. I. D. 2. Buildings and other works—										
Rates and taxes	..	..	118	94	151	203	83	321	..	970
Buildings	..	..	50	3,694	8,046	5,749	2,286	3,525	1,312	21,102
Other works	..	..	..	196	2,829	138	100	200	..	3,554
C. I. E. 1. Regeneration	..	..	..	815	9,540	121	1,800	944	8	10,196
E. 2. Fire protection	..	..	..	815	1,398	2,724	1,049	1,847	..	8,471
E. 3. Other works—Voted	..	..	..	..	..	..	..	..	..	..
Maintenance of boundaries	..	..	15	91	928	187	71	568	..	1,850
Forest surveys	..	..	..	..	..	..	..	..	..	..
Working plans	..	..	325	..	..	..	..	..	..	..
Other items	..	..	239	2,161	426	..	289	656	..	3,771
C. I. F. Other charges—										
Rates and taxes	..	..	32	120	9	75	39	..	..	236
Honoraria	..	..	..	45	20	..	110	..	..	110
Miscellaneous	..	..	10	448	5,051	224	13	316	..	6,062
C. I. H. Suspense—Works advances	..	..	—	75	..	..	..	..	..	113
Total	652	36,647	36,464	1,65,516	42,563	19,332	29,782	1,700	3,32,943	

Summary of Expenditure of the different districts for the year 1939-40—cont.

Budget heads.	Direction.		Kollegal.		Coimbatore, North.		Coimbatore, South.		Madura.		Tinnevely.		Salem, South.		Tanjore.		Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
COMBATORE CIRCLE—cont.																	
10. c. Forest Establishment excluding Forest Panchayats—Ordinary Area.																	
A. Pay of officers—																	
Charged	25,160		14,125	24,757	10,290	13,050						15,721					1,09,013
Voted		40,830	7,062	2,39	8,536	3,093											29,772
B. Pay of establishment—Voted—																	
Permanent			43,073	39,615	41,093	34,980						53,542		1,209			2,63,830
Temporary	10,876	38,459	816	4,210	1,372	13						1,913					9,689
C. Allowances and Honoraria—																	
Charged																	
Travelling allowance	3,591		3,373	3,939	2,183	1,856						2,880					17,896
Cost of passages	1,140											1,140					1,140
Voted																	
Travelling allowance	777	5,814	6,130	4,331	2,251	3,003						4,694		33			33,746
Fixed travelling allowance		2,202	2,391	2,528	2,063	1,116						2,308		103			13,263
Other compensation		535	631	465	1,534	833						650					4,039
D. Contingencies—Voted—																	
Rates and taxes	270	81	113	137	1,750	1,098						1,844		100			604
Service posts and telegram charges	700	702	1,201	1,326	260	142						512					8,721
Pay of guards	200	202	288	322	280	142						612					2,117
Townships	230	371	511	366	318	437						644					2,877
Office expenses	674	162	301	597	618	203						425		21			3,001
Other charges	222	104	85	1,662	10	98						452					2,647
Apparatus and materials	30	90	117	347	4	82						158					848
Total	43,320	55,567	80,733	85,613	91,403	60,496						84,943		1,471			5,04,460

Summary of Expenditure of the different districts for the year 1939-40—cont.

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Budget heads. (1)	Direction. (2)	Kanara South. (3)	Wynad. (4)	Nilambur. (5)	Palghat. (6)	The Nilgiris. (7)	Provincial Silviculturist. (8)	Total. (9)
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
OOTACAMUND CIRCLE.								
10. (b) A. Conservancy, Maintenance and Regeneration.								
Voted—								
Timber	..	51,214	1,23,130	83,952	31,037	9,047	..	2,80,380
Firewood and charcoal	..	..	..	132	141	4,480	..	4,768
Bamboo	..	..	..	14,355	95	..	..	14,451
Sandalwood	..	338	13	..	2,325	2,674	..	2,674
Grass and other minor produce	..	381	2,658	513	1,346	701	..	5,599
Total (A)	..	51,931	1,27,800	78,952	32,625	18,554	..	3,07,863
(B) Timber and other produce removed from the forest by consumers and purchasers—Voted—Timber.	..	3,139	1,723	1,899	4,989	661	..	12,402
(C) (1) Feed and keep of cattle	..	9,610	32,961	20,866	..	18,868	..	82,352
(2) Renewals and replacements of stores, tools and plant	..	1,151	— 549	1,528	101	491	203	5,480
(C)-1 (D) (1) Roads and bridges	..	750	7,710	13,722	16,487	2,648	..	41,317
D) (2) Voted—Buildings	402	1,561	2,432	2,030	2,882	3,423	1,036	13,771
Rates and taxes	..	145	86	..	389	754	..	966
Other works	..	229	325	2	..	318	..	1,154
Total (D-2)	402	1,937	2,857	2,032	3,357	4,500	1,036	15,911
(E) (1) Regeneration	..	8,448	7,028	13,027	5,312	4,804	..	38,704
(2) Fire protection	..	2,758	1,458	2,766	2,151	2,621	..	11,747
(3) Other works—	..	..	..	..	..	..	..	..
Maintenance of boundaries	..	273	1,950	330	..	723	..	3,808
Other items	..	116	..	2,020	48	136	..	2,320
Total (E-3)	..	369	1,950	3,380	48	859	..	5,626
(F) Other charges—	..	..	..	..	..	..	..	..
Nilgiris Game Association	..	..	62	15	..	4,366	..	4,366
Rates and taxes—Charged	..	20	..	..	33	2,359	..	2,359
Voted—Honorary	..	274	554	2,468	62	50	..	182
Miscellaneous	..	..	..	..	84	117	..	3,897
Total (F)	..	394	1,016	2,483	179	6,782	..	10,754
Total 10 (b)	908	75,908	1,39,568	1,99,573	— 98	..	— 20	5,27,973
(H) Suspense Works	..	..	..	..	..	..	..	..

Summary of Expenditure of the different districts for the year 1939-40—cont.

Summary of Expenditure of the different districts for the year 1900-1901.															Provincial Silviculturist.	
Budget heads.		Direction.		South Kanara.		Wynad.		Nilambur.		Palghat.		The Nilgiris.		Total.		
(1)		(2)	RS.	(3)	RS.	(4)	RS.	(5)	RS.	(6)	RS.	(7)	RS.	(8)	(9)	
OOTACAMUND CIRCLE—cont.																
10. c. Establishments.																
(A) (1) Pay of officers—Charged	..	..	..	25,417	13,337	24,330	15,350	10,987	17,630	10,987	12,823	1,19,824	1,19,824	12,823	1,19,824	
(2) Pay of officers—Voted	..	..	..	4,800	8,123	1,581	7,451	7,866	..	7,866	7,782	37,602	37,602	7,782	37,602	
Total (A)	..	..	..	30,217	21,510	25,910	22,801	18,753	17,630	18,753	20,605	1,57,426	1,57,426	20,605	1,57,426	
(B) Pay of establishments—Voted—	..	..	..	9,950	63,384	53,892	31,938	32,468	40,211	32,468	13,653	2,45,996	2,45,996	13,653	2,45,996	
(1) Permanent	..	..	..	583	690	3,540	1,636	293	31	293	327	7,103	7,103	327	7,103	
(2) Temporary	..	..	..	10,373	64,074	57,441	39,634	32,761	40,243	32,761	13,980	2,52,508	2,52,508	13,980	2,52,508	
Total (B)	..	..	..	11,353	2,205	6,034	2,201	920	2,805	920	2,805	18,333	18,333	2,805	18,333	
(C) Allowances—Charged—	..	..	..	3,220	2,758	..	..	..	..	..	107	2,655	2,655	107	2,655	
(1) Travelling allowance	..	..	..	2,938	7,770	9,989	3,392	4,705	4,648	4,705	4,492	34,911	34,911	4,492	34,911	
(2) Cost of message	..	..	..	..	4,181	2,994	2,119	1,572	1,806	1,572	1,283	18,377	18,377	1,283	18,377	
Allowances—Voted—	..	..	..	1,593	583	833	287	403	4,309	4,309	1,371	9,181	9,181	1,371	9,181	
(1) Travelling allowance	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
(2) Fixed travelling allowance	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
(3) Other compensatory	..	..	..	10,504	14,339	15,630	7,889	7,680	13,567	7,680	9,853	79,968	79,968	9,853	79,968	
Total (C)	..	..	..	144	..	..	..	42	47	42	56	23	23	56	23	
(D) Contingencies—Non-voted—	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Rates and taxes	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Voted—	..	..	..	979	1,950	1,648	960	837	863	837	995	8,133	8,133	995	8,133	
(1) Rents of Public Works Department	..	..	..	132	119	349	349	469	348	469	363	1,363	1,363	363	1,363	
(2) Service postage and telegram charges	..	..	..	..	783	301	301	216	240	216	288	2,023	2,023	288	2,023	
(3) Pay of members	..	..	..	205	82	474	185	101	282	101	288	1,378	1,378	288	1,378	
(4) Office charges	..	..	..	..	280	974	578	651	247	651	1,336	15,336	15,336	1,336	15,336	
(5) Office expenses	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
(6) Other charges	..	..	..	..	137	166	47	193	167	193	..	..	..	..	..	
(7) Appraisals and materials	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Total (D)	..	..	..	2,948	3,801	2,897	2,044	2,608	2,194	2,608	14,733	30,773	30,773	14,733	30,773	
Total	..	..	..	54,042	1,02,714	1,01,868	86,373	81,812	78,633	81,812	56,171	5,20,613	5,20,613	56,171	5,20,613	
Charged	..	..	..	31,385	15,683	29,384	17,551	11,807	20,435	11,807	15,580	1,41,318	1,41,318	15,580	1,41,318	
Voted	..	..	..	22,657	89,032	72,504	48,327	50,005	53,198	50,005	40,591	3,78,295	3,78,295	40,591	3,78,295	

F. 19

Summary of Expenditure of the different districts for the
year 1939-40—*cont.*

FOREST ENGINEERING DIVISION.

Budget head.	Amount. RS.
10. Forest—Reserved—	
(b) Conservancy, Maintenance and Regeneration—	
b-1. C-2. Renewals or replacements of Stores, tools and plant	633
b. D-1. Roads and bridges	505
b. E-3. Other items	60
Total	1,198
10-c. Forest—Establishments—Excluding Forest Panchayats—I Ordinary Areas—	
c-1-A. Pay of Officers—Voted	2,567
c-1-B. Pay of Establishments—Permanent	10,281
c-1-B. Pay of Establishments—Temporary	604
c-1-C. Allowances and Honoraria—Voted—	
Travelling allowance	6,548
Fixed travelling allowance	485
Other compensatory	399
c-1-D. Contingencies—Voted—	
Service postage and telegram charges	400
Pay of menials	120
Tour charges	556
Office expenses	404
c-A-5. Supplies and Services—Voted—	
Apparatus and materials	229
Total	22,598

FOREST UTILIZATION DIVISION.

Expenditure during 1939-40.

10-b-c-2. Renewals and replacements of Stores, tools and plant	8,916
10-c. Establishment—	
Pay of Officers—Charged	22,000
Allowances and Honoraria—Charged—Travel- ling allowances	6,053
Cost of passages	3,300
Other compensatory	1,019
Voted—	
Pay of Officers—Voted	14,092
Pay of Establishment—Voted—Permanent	5,362
Pay of Establishment—Voted—Temporary	3,784
Allowances and Honoraria—Voted—Travelling allowances	5,636
Fixed travelling allowances	18
Other compensatory	931

Summary of Expenditure of the different districts for
1939-40—*cont.*

Contingencies—Voted—	
Service postage and telegram charges	905
Pay of menials	279
Tour charges	97
Office expenses	404
Other charges	1,773
Total	74,689

ACTUALS, 1939-40.

10. a. Forests—General Direction.

Sub-heads of appropriation and details.	Amount. RS.
a-A. Pay of Officers—Charged	61,618
a-B. Pay of Establishments—Voted	35,967
a-C. Clothing and Equipment—Voted	18,031
a-D. Other Charges—	
Charged—	
Travelling allowances (including cost of passages)	13,203
Voted—	
Allowances	2,212
Books and periodicals	1,248
Service postage and telegrams	2,729
Other charges	3,576
Grand Total—10. a. General Direction	1,38,594

Charged	74,821
Voted	63,763

Summary of Expenditure of the different

circles, etc., for the year 1939-40.

Sub and detailed account heads.	Bellary Circle.	Salem Circle.	Coimbatore Circle.	Ootacamund Circle.	Working Plans Personal Assistant.	Forest Utilization Officer.	Forest Engineer.	Principal Forest College.	Chief Conservator.	Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	1939-40.	1938-39.
RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
EXPENDITURE.											
10. b. Conservancy and Works—											
I. Ordinary Areas.											
1939-40.											
b.I.A. Forest produce removed by Government agency—											
Voted—											
Timber	3,944	2,218	1,02,730	2,80,380						3,89,272	3,65,368
Firewood and charcoal	1,530	108	1,132	4,758						9,848	8,002
Bamboos	154	3	398	14,451						15,006	23,626
Sandalwood	77			2,674						72,008	99,021
Grass and other minor produce	939	44,825	8,358	5,598	2,320					20,501	13,818
b.I.B. Timber and other produce removed (from the forests) by consumers and purchasers ..	35,410	55,064	49,086	12,402						1,51,942	1,50,404
b.I.C. 1. Feed and upkeep of cattle ..	1,656	35	22,633	82,352						1,06,676	92,911
b.I.C. 2. Renewals and replacements of stores, tools and plant	1,510	3,227	2,276	5,480						23,108	16,741
b.I.D. 1. Roads and bridges	19,491	24,348	59,358	41,318						1,45,019	1,42,904
b.I.D. 2. Buildings and other works—					61	8,916	633				
Voted—							504				
Buildings	12,771	16,796	21,102	13,771						64,440	88,967
Forest College										95	2,027
Rates and taxes	935	1,364	971	986						4,306	4,041
Other works	2,058	918	3,584	1,153				95		7,713	7,271
b.I.E. 1. Regeneration	8,638	10,549	16,196	33,704						69,087	68,958
b.I.E. 2. Fire protection	1,366	5,875	8,471	11,747						27,460	28,396
b.I.E. 3. Other works—											
Voted—											
Maintenance of boundaries	926	648	1,850	3,306						6,730	7,186
Working plans			326							3,476	4,046
Payment to the Survey department for Forest map works									2		
Other items	1,363	2,765	3,771	2,320	3,148				7,640	7,640	7,640
b.I.F. Transfer of licence fees to the Nilgiri Game Association										10,279	12,006
Honoraria	117	218	110	4,366			60			4,366	4,966
Rates and taxes	1,024		236	2,369						577	601
Miscellaneous	730	9,255	6,062	3,898						3,619	4,201
b.I.H. Suspense Works—Advances	6	50	114	519					6	19,98	21,992
Total—10.b.I Ordinary Areas—Voted ..	94,693	1,83,873	3,32,948	5,27,674					95	7,648	11,62,573
					5,529	8,916	1,197				11,75,910

Summary of Expenditure of the different districts for the
year 1939-40—*cont.*

ACTUALS—1939-40.

10. b. Forest Conservancy and Works—II. Partially Excluded Areas.

Sub-heads of appropriation and detailed heads.	Amount.
	RS.
b. II. A. Forest produce removed by Government agency—	
Timber	7,460
Firewood and charcoal	186
Bamboos	..
Sandalwood	..
Grass and other minor produce	..
b. II. B. Timber and other produce removed from the forests by consumers and purchasers	13,177
b. II. C. 1. Feed and upkeep of cattle	5,421
b. II. C. 2. Renewals or replacements of stores, tools and plant	5,103
b. II. D. 1. Roads and bridges	5,192
b. II. D. 2. Buildings and other works—Voted—	
Buildings	3,890
Rates and taxes	18
Other works	86
b. II. E. 1. Regeneration	9,574
b. II. E. 2. Fire protection	2,922
b. II. E. 3. Other works—Voted—Maintenance of bound- aries	1,822
Other items	13
b. II. F. Other charges—Voted—	
Honoraria	50
Rates and taxes—Miscellaneous	3,514
b. II. G. Suspense works—Advances	..
Total—10. b. II. Partially Excluded Areas—Voted	59,091

Summary of Expenditure of the different circles, etc., for the year
1939-40.

Summary of Expenditure of the different

Sub-heads of appropriation and detailed heads.	Bellary Circle.	Salem Circle.	Coimbatore Circle.	Ootacamund Circle.
(1)	(2)	(3)	(4)	(5)
	RS.	RS.	RS.	RS.
10. c. Establishments—				
Actuals.				
c. I. A. Pay of officers—				
Charged	1,03,382	78,558	1,09,013	1,20,700
Voted	8,325	56,046	29,771	36,727
c. I. B. Pay of Establishments—				
Permanent	2,16,818	2,84,141	2,65,839	2,45,396
Temporary	18,631	6,281	9,629	7,109
c. I. C. Allowances and Honoraria—				
Charged—				
Travelling allowances	18,363	9,874	17,897	19,399
Other compensatory	..	..	..	..
Cost of passages	827	..	1,140	2,641
Voted—				
Travelling allowances	27,438	35,332	33,047	34,918
Fixed travelling allowances	8,796	12,109	13,263	13,674
Other compensatory	3,996	4,413	4,040	8,199
c. I. D. Contingencies—				
Voted—				
Service postage and telegram charges	8,905	8,890	8,721	8,122
Pay of menials	2,109	2,216	2,118	1,982
Tour charges	4,421	4,869	2,870	2,629
Office expenses	1,521	1,455	3,001	1,618
Rates and taxes	650	1,094	603	298
Apparatus and materials	1,244	493	846	769
Forest College—Horti-agricultural operations	..	..	..	..
Other charges	11,662	1,450	2,646	15,944
Total, c. I. Ordinary areas	4,38,478	5,07,321	5,04,460	5,20,619
Charged	1,22,512	88,432	1,28,050	1,42,089
Voted	3,15,966	4,19,889	3,76,410	3,77,530

circles, etc., for the year 1939-40—cont.

Working Plans Personal Assistant.	Forest Utilization Officer.	Forest Engineer.	Forest College.	Chief Conservator.	Total.	
(6)	(7)	(8)	(9)	(10)	1939-40.	1938-39.
RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Ordinary areas.						
1939-40.						
20,874	22,000	..	6,000	12,015	4,72,542	5,03,008
29,420	14,092	2,567	3,480	1,676	1,32,704	2,27,839
32,157	5,362	10,281	2,619	..	10,82,813	11,15,058
3,128	3,784	605	320	843	50,330	61,628
4,559	6,053	..	359	1,770	78,214	79,997
..	1,019	..	..	..	1,019	216
..	3,390	..	..	..	8,008	12,353
14,520	5,666	6,548	459	121	1,58,049	1,64,548
3,337	13	485	..	..	81,832	81,867
716	931	399	..	108	22,788	2,108
984	905	400	25	..	26,962	36,324
555	273	120	79	..	5,833	11,082
843	97	556	97	..	16,479	18,079
725	404	404	143	..	8,271	10,353
22	..	..	..	..	2,958	3,089
170	..	229	221	..	2,963	4,014
1,191	1,773	..	370	..	370	993
..	..	..	884	9	34,349	32,984
1,11,301	65,772	22,594	15,566	16,542	23,02,084	23,54,993
25,433	32,462	..	8,25	13,785	5,59,788	5,95,875
87,768	33,311	22,594	9,197	2,757	16,42,291	17,59,116

ACTUALS, 1939-40.

10. c. Forest—Establishments—II. Partially Excluded Areas.

Sub-heads of appropriation and detailed heads.					Amount.
					RS.
C. 11-A. Pay of Officers—					
Charged	..	..	..	..	18,515
Voted	..	..	..	..	8,189
C. 11-B. Pay of Establishments—					
Permanent	..	..	..	..	72,098
Temporary	..	..	..	..	736
C. 11-C. Allowances and Honoraria—					
Charged—					
Travelling allowance	..	..	..	..	1,903
Voted—					
Travelling allowances	..	..	..	..	11 510
Fixed travelling allowances	..	..	..	..	3,251
Other compensatory	..	..	..	..	1,406
C. 11-D. Contingencies—Voted—					
Service postage and telegram charges	..	..	..	..	1,120
Pay of menials	..	..	..	..	541
Tour charges	..	..	..	..	787
Office expenses	..	..	..	..	419
Apparatus and materials	..	..	..	..	135
Other charges	..	..	..	..	358
Total 10. C. Partially Excluded Areas.					1,20,968

10-d. Charges in England.

Sub-heads of appropriation and details.					RS.
A. Leave salary and deputation pay—					
Charged	..	..	..	..	84,177
Voted	..	..	..	..	18,437
B. Sterling overseas pay—Charged					68,906
Total ..					1,71,520

10-e. Loss or gain by Exchange.

Charged	..	..	..	..	653
Voted	..	..	..	..	78
Total ..					731

Actuals, 1939-40—Receipts and Expenditure.

Abstract for the Province.

Budget heads.		Amount.	
		1939-40.	1938-39.
		RS.	RS.
RECEIPTS.			
X. Forest	.. .. .	42,91,828	43,86,944
EXPENDITURE.			
10. Forest—			
a. General Direction	.. .. .	1,38,584	1,16,780
b. Conservancy and works—			
I. Ordinary Areas	.. .. .	11,62,573	11,75,910
II. Partially Excluded Areas	.. .. .	59,091	61,503
c. Establishments—			
I. Ordinary Areas	.. .. .	22,03,034	23,54,092
II. Partially Excluded Areas	.. .. .	1,20,968	1,07,912
d. Charges in England	.. .. .	1,71,520	1,81,451
e. Loss or gain by exchange	.. .. .	731	1,136
Total	.. .. .	38,56,501	39,98,784
Surplus	.. .. .	+ 4,35,327	+ 3,88,160

Financial Results for the year 1939-40--cont.

Division.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection, and improvement of forests— Charges.	Total.	
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.
	RS.	RS.	RS.	RS.		RS.	RS.
	COIMBATORE CIRCLE.						
Kollegal	82,928	11,736	48,418	46,926	42,001	1,31,346	1,00,663
Coimbatore, North ..	1,25,578	24,626	97,163	74,630	21,399	2,22,741	1,24,655
Do. South ..	2,70,937	1,51,418	58,126	55,093	51,381	3,29,113	2,57,842
Madura ..	16,310	14,501	1,53,654	91,408	82,987	1,69,964	1,41,276
Tinnevely ..	5,430	3,105	1,39,678	69,056	16,268	1,45,106	87,429
Salem, South ..	14,224	6,707	1,63,610	96,970	18,683	1,77,834	1,22,860
Tanjore ..	..	..	9,849	1,674	1,497	9,049	3,171
Total ..	5,15,457	2,16,093	6,70,396	4,38,757	1,82,546	11,85,753	8,37,396

NOTE.—The difference of Re. 1 between the revenue shown in this statement and that shown in Form No. 41 is due to rounding off.

Receipts according to Form No. 39

Add—Revenue realized in—

(1) Salem Circle ..	..	..	..	..	15,888	..
(2) Ootacamund Circle ..	..	..	..	..	80	..
(3) Bellary Circle ..	..	..	..	..	4	..
(4) Forest Utilization Division ..	..	..	..	..	7	..
(5) Forest Utilization Division and credited in Salem Circle on behalf of Coimbatore Circle ..	..	..	..	..	90	16,017
Deduct—Revenue relating to—						
Ootacamund Circle ..	..	..	..	..	20,813	12,06,658
Salem Circle ..	..	..	..	..	92	20,905

Net revenue relating to Coimbatore Circle ..

11,90,641

OOTACAMUND CIRCLE.

South Kanara ..	1,07,351	94,685	48,588	45,570	48,887	1,55,939	1,88,829
Wynaad ..	3,64,152	1,82,315	15,822	56,438	65,146	3,79,974	3,04,095
Nilambur ..	4,09,712	1,19,175	66,399	42,122	56,395	4,76,111	2,17,692
Palghat ..	56,477	62,292	74,664	34,657	37,131	1,31,141	1,34,080
The Nilgiris ..	67,088	54,715	44,550	38,922	46,890	1,11,638	1,39,986
Provincial Silviculturist Division ..	..	1,222	1,960	21,212	21,212	1,960	63,686
Grand total ..	10,04,780	5,34,277	2,51,933	2,38,821	2,75,170	12,56,763	10,48,393

Reconciliation statement for Form No. 42—

Revenue as per Form No. 39

Add—(1) Value of Nilgiris sandalwood realized in North Coimbatore ..	20,635	12,35,953
(2) Value of Ivory of Nilgiris, Nilambur and South Kanara, realized in North Coimbatore ..	177	..
(3) Value of spokes and fellocs of Wynaad, realized in Bellary Circle ..	30	..
(4) Electric consumption charges, etc., realized in Bellary Circle ..	2	..
	20,844	20,844

Deduct—(1) Value of North Coimbatore sandalwood realized in Palghat, Wynaad and Nilgiris divisions .. 30 ..

(2) Rent for the Upper Godavari District Forest Officer's quarters, realized in South Kanara .. 4 ..

Revenue as per Form No. 42 ..

12,56,763

Totals for the four territorial circles ..	..	..	..	..	..	42,02,847	32,59,469
Working Plans section ..	..	..	..	..	..	2,272	1,18,730
Forest Utilization Division ..	..	..	..	..	..	24,341	74,689
Forest Engineer ..	..	..	..	..	..	1,016	25,791
Madras Forest College ..	..	..	..	..	..	826	18,651
Chief Conservator ..	..	..	..	..	..	1,524	1,62,774
Charges in England ..	..	..	..	..	..	..	1,71,590
Loss or gain by exchange ..	..	..	..	..	..	..	781
Onencht expenditure ..	..	..	..	..	..	..	29,144
Due to rounding off ..	..	..	..	..	..	+ 2	+ 2
Total ..						42,91,328	32,56,501

NOTE.—The revenue foregone by free grants at concession rates is 1.07 lakhs and the total actual surplus is 5.42 lakhs.

The true value of forest produce made available to the public annually is not realized.

Financial results of departmental timber operations in major timber divisions for the year ending the 31st March 1940.

Division.	Species.	Opening stock.		Output for the year, number or cubic feet.		Revenue realized.		Closing stock.		Profit.		Average selling rate per unit.	
		Quantity, number or cubic feet.	Rs.	Quantity, number or cubic feet.	Rs.	Quantity sold, number or cubic feet.	Rs.	Quantity, cubic feet.	Rs.	Total.	Rs.	Per cubic foot.	(11)
Coimbatore South	Timber.	65,133	21,452	2,10,204	275,437	149,853	2,03,312	116,520	1,39,199	14,10	1,5	10	15
South Kanara	Timber.	34,184	10,518	17,623	51,907	26,925	23,222	23,179	53,405	13,027	7	9	13
Wynaad	Timber.	134,468	46,349	483,331	567,839	299,538	8,70,334	259,531	74,461	2,43,706	13	8	1
Nilambur	Timber.	267,089	49,499	300,964	568,053	318,797	3,08,401	261,694	48,629	2,41,519	12	1	0
Total		503,709	1,37,818	983,343	1,465,943	794,376	9,05,269	662,924	1,39,175	6,37,451	..	..	..

* Written off and used departmentally. Average cost of production As. 7-4 per cubic foot.

+ Departmental use 9,048-87 cubic feet. Average cost of production As. 11 per cubic foot.

† Average cost of production As. 5-0 per cubic foot. Stock in forest is valued at As. 2-6 a cubic foot and that in sale depot at 84 and 11 annas a cubic foot.

‡ Average cost of production As. 8-6 per cubic foot. Stock written off 23,338 cubic feet, departmental use 4,764 cubic feet, other disposal as conversion into charcoal 3,408 cubic feet—Total 30,756, including by-product from sleeper operations.

Financial Results of Sleeper operations for the year ending 31st March 1940.

Name of division.	Yield during the year.										Expenditure.	
	Opening stock.					Closing stock.					Overheads.	Total expenditure.
	Number of sleepers.	Value at cost of production.	Logs utilized.	B.G.	M.G.	Quantity.	Value at cost of production.	Remarks.				
(1)	B.G. (2)	M.G. (3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
1 Coimbatore, South	1,132	854	8,230	8,377	4,170	C.F.T.	8,377	RS.	7,906	51,621		
2 South Kanara	5,185	7,531	(b) 32,427	113,910	1,604	90,697	43,625	RS.	7,906	66,819		
3 Wynad	709	406	4,241	52,028	3,109	31,790	23,782	RS.	8,416	27,198		
Rejections	(a) 250	(a) 698	2,221	53,012	3,839	36,211	16,447	RS.	200	16,647		
Kolmarams and Chhattams	1,784 c.f.t.	868	2,612	67,968	(b) 2,645	40,329	28,341	RS.	6,944	35,275		
4 Nilambur	1,895	1,031	6,751	375,593	14,731	199,227	1,62,041	RS.	35,519	1,97,560		
5 Palghat	9,789	10,554	52,739	..	..	..	..	..	..	..		
Total	(c) 250	(a) 693	..	..	..	..	..	..	..	..		
	1,784	..	..	..	..	..	..	..	..	..		
Total number for sale in the year.												
Revenue.												
Number sold.												
Amount realized.												
B.G. (12) M.G. (13) RS. (14)												
1 Coimbatore, South	9,362	4,824	56,108	8,002	(d) 4,071	59,164	(include 1,078 B.G. and 732 M.G. rejections.	Cost of production per B.G. unit Rs. 4-15-10.				
2 South Kanara	11,854	9,135	99,246	8,371	6,009	(c) 87,428	(a) 1,334	Cost of production per B.G. unit Rs. 4-13-6.				
3 Wynad	5,943	4,212	31,439	(a) 1,762	2,163	35,312	202	Cost of production per B.G. unit Rs. 4-2-7.				
Rejections	..	..	..	(a) 176	(a) 285	(a) 177	(a) 669	Cost of production per B.G. unit Rs. 4-2-7.				
Kolmarams and Chhattams	1,784 c.f.t.	4,136	2,221	1,784 c.f.t.	1,922	(c) 20,049	(a) 10	Cost of production per B.G. unit Rs. 3-1-0.				
4 Nilambur	4,707	4,136	19,259	(a) 2,048	(a) 2,194	(c) 47,978	(a) 1,494	Cost of production per B.G. unit Rs. 3-15-11.				
Palghat	9,405	3,676	42,026	(b) 20	10	(c) 47,978	(a) 1,494					
Total	41,271	25,983	2,50,299	30,000	16,686	2,50,868	2,944					
	1,784	..	(a) 4,882	(a) 4,881	(a) 4,881	(a) 3,507	(a) 1,750					
	..	..	(b) 22	(b) 22	(b) 10	..	..					

(a) Rejected sleepers.
 (b) Used departmentally.
 (c) Includes sale of by-products, etc., and sawn timber.
 (d) Includes 20 rejections.
 (e) Sale price, B.G. Rs. 6, M.G. Rs. 2-12-0 each.
 (f) Includes other materials 49,546 c.f.t.
 (g) Wastage and unsound logs, etc. 41,474 c. ft.—no value.
 (h) Includes 799 M.G. sleepers converted from B.G. Rejections.
 (i) Includes 20 rejections.
 (j) Balance of by-products accounted for in the statement for timber operations.

Financial results of sandalwood operations in the major sandalwood divisions for the year ending 31st March 1940.

Name of division.	Opening stock.					Expenditure.					Closing stock.					Profit.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
	Quantity.					Value at cost of pro- duction including overheads.					Yield of final cleaned wood in the year.					On exploitation.		Overheads.		Total expenditure.		Total stock of sandal wood.		Total cost of production including opening stock.		Total revenue.		Average selling rate per ton.		Quantity.		Value at cost of pro- duction including overheads.		Total.		Per ton of final cleaned wood.		Remarks.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.	T. Q.	Rs.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Salem North ..	383 68	89,523	560 34	89,304	27,115	65,419(a)	944 12	1,05,947	3,10,940	591	418 14	45,223	2,50,216	476	Quantity 525 75 sold.	Quantity 190 15 sold.	Deficit.. 5 10 sold.	Quantity 123 23 sold.	Deficit.. 4 18																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

Cost of production per ton—
 (a) Rs. 119 per ton.
 (b) Rs. 168 "
 (c) Rs. 170 "

FORM No. 43.

PART I.

Statement of livestock [(1) Elephants and (2) Other livestock]
during 1939-40.

Division.	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.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Rs.				Rs.	Rs. A. P.
BELLARY CIRCLE.							
(1) ELEPHANTS.							
Kurnool, West	2	4,000	..	..	2	4,000	720 0 0
	..	..	..	..	..	..	(a) 911 0 0
							Total .. 1,631 0 0
Godavari, Lower	3	6,204	..	..	3	6,204	2,124 0 0
	..	..	..	..	..	..	(b) 1,532 0 0
							Total .. 8,658 0 0
Godavari, Upper	..	..	2	..	2	1,900	628 0 0
	..	..	..	..	..	..	(b) 576 0 0
							(c) 1,852 0 0
							Total .. 3,056 0 0
(2) OTHER LIVESTOCK—BUFFALOS.							
Anantapur	2	81	..	1	1	35	(d) 35 0 0
							Total .. 35 0 0
							Grand total of 1 and 2 .. 8,378 0 0

SALEM CIRCLE.

Nellore	1	75	..	..	1	75	(a) 35 1 0
	Buffalo.						

COIMBATORE CIRCLE.**(1) ELEPHANTS.**

Coimbatore South Division	26	49,500	6	4	28	* 57,575	19,996 7 11
---------------------------	----	--------	---	---	----	----------	-------------

						Rs.	
*Opening balance	..	..	..	..	..	49,500	
Receipt	..	..	..	..	..	3,555	
Difference due to revaluation by Inspector of Livestock	..	..	..	..	..	6,600	
						Total ..	59,655

DISPOSAL.

By transfer to Bellary Circle	..	..	..	..	..	1,900	
Write-off due to death	..	..	..	..	..	180	
						Total ..	2,080
						Closing balance ..	57,575

(2) OTHER LIVESTOCK.
Nil.**Note for Bellary Circle—**

- (a) Pay of establishment.
(b) Pay and travelling allowance of establishment.
(c) Transport charges of two elephants from Coimbatore, South.
(d) One buffalo costing Rs. 46—died on 21st March 1940.

Note for Salem Circle—

- (a) The buffalo was sold in auction and delivered to purchaser on 10th April 1940.

PART I—cont.

Statement of livestock [(1) Elephants and (2) Other livestock]
during 1939-40—cont.

Division.	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.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Rs.				Rs.	Rs. A. P.
OOTACAMUND CIRCLE.							
(1) ELEPHANTS.							
South Kanara	7	14,400	6	2	11	23,900	9,610 2 0
Wynad	46	87,750	19	18	47	98,600	80,145 3 8
Nilambur	23	60,700	6	11	18	51,900	18,288 0 8
The Nilgiris	25	39,650	11	13	23	32,000	15,117 12 0
Direction	..	..	..	..	..	..	595 9 0
							Total .. 73,708 10 11
Total ..	101	2,02,500	42	44	99	2,06,400	
(2) OTHER LIVESTOCK.							
Nilambur	6	351	..	2	4	300	1,285 11 8
The Nilgiris	4	490	..	..	4	400	1,017 0 0
							Total .. 2,302 11 8
Total ..	10(a)	841	..	2	8(b)	700	
ELPHANTS.							
Total for the Province ..	122	2,62,304	50	48	124	2,76,079	1,02,048 2 10
OTHER LIVESTOCK.							
Total for the Province ..	13	997	..	3	10	810	2,372 12 8

Note for Ootacamund Circle—

- *Due to revaluation.
(a) Six buffaloes and 4 bulls.
(b) Four buffaloes and 4 bulls.

PART II.

Elephants gone off the list during the year 1939-40.

Names of elephants.	When purchased or otherwise obtained by Government.	Age.	How disposed of.
BELLARY CIRCLE—NW.			
SALEM CIRCLE—NW.			
COIMBATORE CIRCLE.			
Coimbatore South Division.			
	YRS.		
(1) Baku	Transferred from North Malabar on 26th June 1902.	49	Transferred to Bellary circle in June 1939.
(2) Janaki	Captured on 10th August 1927 ..	23	Do. do.
	Cow calf, born to Elephant Neeli on 30th August 1939.		Died on 5th September 1939.
(3) Mansoor	Born to Devaki on 17th January 1910.		Died on 12th February 1940.
OOTACAMUND CIRCLE.			
South Kanara Division.			
(1) Isabella	Transferred to this division from Wynaad.	58	Transferred to Wynaad division.
(2) Venu	Calf born of Netravathy on 9th March 1939.	1	Died on 12th March 1940.
Wynaad Division.			
(3) Ismail	Captured on 1st April 1939 ..	21	Transferred to Nilambur in September 1939.
(4) Kabinl	Purchased from Mysore Keddah on 17th January 1939.	28	Transferred to Nilambur in October 1939.
(5) Bakerali	Transferred from Nilgiris in November 1937.	38	Transferred to Nilambur in September 1939.
(6) Perl	Transferred from South Kanara in September 1939.	73	Transferred to Nilgiris in August 1939.
(7) Godavari	Transferred from Nilambur in September 1939.	53	Transferred to Nilgiris in August 1939.
(8) Bessie	Transferred from Nilgiris in March 1940.	40	Transferred to South Kanara in September 1939.
(9) Elsie	Transferred from Palghat in October 1931.	54	Transferred to South Kanara in September 1939.
(10) Andl	Born to Moonakshi on 20th February 1938.	11	Sold for Rs. 400 in September 1939.
(11) Sheriff	Born to Countess on 30th November 1938.	MTHS. 9	Do. Rs. 220 in September 1939.
(12) Kamal	Born to Chamundi on 1st December 1938.	9	Do. Rs. 230 in September 1939.
(13) Vijayam	Captured on 16th December 1938.	YRS. 3-2/3	Do. Rs. 420 in September 1939.
(14) Chikka	Born to Jayarani	MTHS. 10	Do. Rs. 220 in September 1939.
(15) Nataraj	Captured on 6th February 1939.	YRS. 41	Do. Rs. 820 in September 1939.
(16) Badaha	Do. on 17th February 1939.	94	Do. Rs. 770 in September 1939.
(17) Jehangir	Do. on 21st March 1939.	61	Do. Rs. 710 in September 1939.
(18) Isabella	Transferred from South Kanara in August 1939.	58	Do. Rs. 890 in September 1939.
(19) Calf born to Seetha on 3rd August 1939.	....		Died and written off on 16th August 1939. (Conservator's L. Dis. No. 2919/39, dated 11th September 1939.)
(20) Calf born to Rathl on 24th November 1939.	....		Died and written off on 7th December 1939. (Conservator's L. Dis. No. 4295/39, dated 4th January 1940.)
Nilambur Division.			
(21) Little Willy	Captured on 25th May 1915 ..	31	Transferred to Wynaad on 10th August 1939.
(22) Mumtazmahal	Do. on 26th February 1927.	26	Transferred to South Kanara.
(23) Ohandramathi	Do. on 22nd February 1927.	56	Do. to Wynaad.
(24) Akbar	Do. on 10th February 1923.	25	Do. to South Kanara.
(25) Doral	Do. on 4th February 1928.	25	Do. to Wynaad on 27th February 1940.
(26) Tara	Do. on 7th February 1933.	28	Do. do.
(27) Radha	Do. on 16th April 1935 ..	34	Do. to Wynaad on 31st October 1939.
(28) Tippu	Do. on 29th December 1938.	24	Sold in auction on 20th September 1939 for Rs. 770.
(29) Jameela	Do. on 29th December 1938.	34	Sold in auction on 20th September 1939 for Rs. 700.
(30) Munuwami	Do. on 24th March 1939 ..	51	Sold for Rs. 755.
(31) Unamed	Born on 7th November 1939 ..		Died and written off. (Conservator's L. Dis. No. 3988/39, dated 1st December 1939.)

Elephants gone off the list during the year 1939-40—cont.

Names of elephants.	When purchased or otherwise obtained by Government.	Age.	How disposed of.
OOTACAMUND CIRCLE—cont.			
Nilgiris Division.			
	YRS.		
(32) Devi	Captured on 25th December 1938.	7	Sold in auction on 20th September 1939.
(33) Kamala	Do. on 2nd January 1939 ..	7	Do. do.
(34) Bomman	Do. on 24th March 1939 ..	31	Do. do.
(35) Leela	Do. on 23th December 1938.	31	Sold to the Manager, Carloson Grand Circus, Tanjore.
(36) Rajasakaran	Do. on 2nd January 1939 ..	1	Sold to His Highness The Maharajah of Baroda.
(37) Ramachandran	Do. on 4th January 1939 ..	9	Sold to Sri Rajah Bommadevara Venkata-rajulu Bahadur.
(38) Muniswami	Do. on 24th March 1939 ..	5	Sold to a Nilambur merchant on offer.
(39) Supl (calf)	Do. on 24th March 1939 ..	7	Sold to the Manager, Carloson Grand Circus, Tanjore.
(40) Manibai	Do. on 24th March 1939 ..	4	Sold to His Highness The Maharajah of Baroda.
(41) Ganga	Do. on 10th February 1939.	YRS. 27	Died and written off.
(42) Rajkumari	Do. on 24th March 1939 ..	28	Do.
(43) Droupathi	Do. on 6th April 1938.	33	Transferred to Wynaad.
	(Transferred from Nilambur.)		
(44) Rani	Captured on 4th July 1939 ..		Died and written off.

Reconciliation statement to accompany Form No. 43, Ootacamund Circle, for 1939-40.

The audited actuals for the year under 10 (b) C (1) Feed and keep of cattle are reconciled with the total in column (8) of Form No. 43 as follows:—

	RS.	A.	P.	RS.	A.	P.
Audited actuals				82,364	9	30
Add—						
(1) Value of rations consumed in March 1940 but not paid for in the month	269	0	1			
(2) Value of rations received from other divisions	225	0	9			
(3) Value of provisions on hand at the beginning of the year	421	7	8			
(4) Provisions paid for in 1940-41 but accounted for in 1939-40	555	0	0			
(5) Value of departmental ragi used for elephants	1,698	6	1			
(6) Value of skimmed milk	47	12	2			
	3,211	10	9	3,211	10	9
Total						
				85,576	4	7
Deduct expenditure on—						
(1) Pay and travelling allowance of jamadar and elephant-men	1,033	5	0			
(2) Assistant Veterinary Inspector's tour charges	102	10	6			
(3) Elephant camp sheds	183	8	0			
(4) Repairs to kraal	433	4	0			
(5) Elephant capturing operations	2,241	14	7			
(6) Rewards for capturing	1,951	8	0			
(7) Medicine for livestock	210	10	0			
(8) Granary at Begur	81	1	0			
(9) Transport of syringe, etc.	5	5	0			
(10) Searching elephant Sikkander	5	2	0			
(11) Value of rations consumed in March 1939 but paid for in April 1939 not included in the livestock return for 1939-40	1,337	9	10			
(12) Value of balance stock of provisions at the end of the year	738	11	8			
(13) Cost of rations supplied to sale elephants of other divisions	514	13	8			
(14) Value of rations sent with elephants to other divisions	94	6	1			
(15) Value of rations written off and by rounding off	18	5	1			
(16) C.R.S.F. water charges	564	12	0			
	9,566	14	5	9,566	14	5
Stock account figures						
				76,009	8	2

FORM No. 44.

Abstract showing the value of stores, tools and plant for 1939-40.

Name of circle or division.	Stores.				Difference in value.			
	On hand at the com- mencement of the year.		Additions or exclusions during the year.		On hand at the end of the year.		In favour of the year.	
	Number.	Value.	Number.	Value.	Number.	Value.	RS.	RS.
Bellary Circle	20,116	1,68,158	73	2,529	20,044	1,65,629	5,537	2,529
Bellary Circle	20,372	1,91,464	+ 1,540	+ 5,357	40,921	1,97,321	..	..
Bellary Circle	and 18		and 6		and 17			
Bellary Circle	miles, 6		furlongs		miles, 7			
Bellary Circle	and 396		and 4 1/2		furlongs			
Bellary Circle	feet of		feet of		and 630			
Bellary Circle	tram-track.		tram-track.		feet of			
Bellary Circle	(a) (b) 23,649	(a) (b) 97,659	+ 2,697	+ 11,336	26,346	1,09,025	11,336	..
Bellary Circle	22,809	1,20,170	- 3,669	- 2,229	19,240	1,22,899	2,229	..
Bellary Circle	6,937	44,090	..	..	6,937	44,090	..	..
Bellary Circle	220	2,982	+ 18	+ 141	247	3,123	141	..
Bellary Circle	1,532	14,853	+ 394	+ 1,369	1,936	16,121	1,369	..
Bellary Circle	1,353	16,014	+ 50	+ 278	1,382	16,292	278	..
Bellary Circle	541	13,002	+ 1	+ 25	542	13,027	25	..
Bellary Circle	(a) (b) 125,323	6,68,371	+ 917	+ 18,656	126,240	6,87,027	18,656	..
Bellary Circle	and 18		- 6 furlongs		and 17			
Bellary Circle	miles, 6		and 425		miles, 7			
Bellary Circle	furlongs		feet of		furlongs			
Bellary Circle	and 396		feet of		and 630			
Bellary Circle	feet of		tram-track.		feet of			
Bellary Circle	tram-track.				tram-track.			

(a) Correct opening balance adopted.

(b) Due to the exclusion of old Salem Central division.

