

ADMINISTRATION REPORT
OF THE
FOREST DEPARTMENT
OF THE
MADRAS PRESIDENCY
FOR THE
YEAR ENDING 31st MARCH 1931

VOL. I — 1930-31



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Government of Madras

DEVELOPMENT DEPARTMENT

G.O. No. 1614, 7th November 1931

Forests—Administration Report, 1930-31—Recorded with remarks.

READ—the following paper:—

Proceedings of the Chief Conservator of Forests, No. 442/31, dated
15th October 1931.

Order—No. 1614, Development, 7th November 1931.

Recorded.

2. It was stated in the review on the last year's administration report that the Government had not yet come to a final decision in regard to the future policy in the matter of the forest administration in general in this Presidency. The Government have now decided that the activities of the department should continue to be directed to the conservation, protection and exploitation of State forests, but that in respect of ~~exploitation~~ mechanical exploitation on a large scale should be abandoned as unsuited to Madras forests and that it should be carried out to the extent sylviculturally and economically expedient, the methods of extraction to be applied in each case being decided with due regard to efficiency and economy. The present classification of forests will also be maintained. The strength of the subordinate staff has been reduced and the question of the staff required in the higher ranks is under consideration.

3. Experiments in lac cultivation continued and some useful results were obtained.

4. The figures of forest offences show no great variations. In the year under review there was some but not any appreciable improvement in the matter of investigation into cases of forest offences. The Government trust that more attention will be paid to this work.

5. The future of the Forest College is still under consideration.

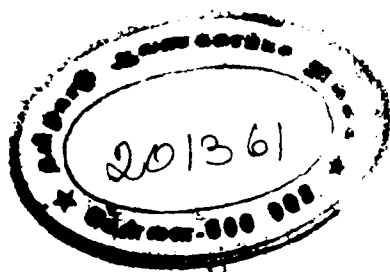
6. The Government observe with interest the progress made in the amelioration of the jungle tribes in the Presidency.

7. There was a considerable decline in the net revenue realized during the year under report. As stated in paragraph 117 of the Chief Conservator's report, the fall was mainly due to the prevailing trade depression with a marked decline in prices.

(By order of the Governor in Council)

S. V. RAMAMURTI,
Secretary to Government.

To the Chief Conservator of Forests.
" Accountant-General.
" Assistant Director of Commercial Audit.
" Board of Revenue.
" Secretary to the Government of India, Department of Education, Health and Lands (with C.L.).
" Inspector-General of Forests (with C.L.).
Press.



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Proceedings of the Chief Conservator of Forests

Proceedings No. 442, Press, 15th October 1931

Administration Report—Forest Department—1930-31.

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

Proceedings—No. 442, Press, dated 15th October 1931.

I.—INTRODUCTION.

The year 1930-31 was noteworthy for the acceptance by Government of the proposals of the Chief Conservator for the reorganization of the Forest department. With the closing down of the saw mills and mechanical logging operations and the termination of the appointments of the technical experts originally employed to give effect to a policy of intensive development, the necessity arose for a decision as to the future policy to be pursued and as to the organization required to pursue it. In order to arrive at this decision, Government propounded a detailed questionnaire in the year 1928. A wealth of information was collected from every division and, as a result of it, a scheme for the reorganization of the department was drawn up by the Chief Conservator and accepted by Government.

2. The reorganization of the department provides for giving effect to a conservative policy of steady development based on the recognized principles of Forest management. A special circle—the Working Plans Circle—is retained for ascertaining what the forests contain and, thereafter, drawing up Working Plans for exploiting the interest or increment in the form of timber and other produce whilst, at the same time, improving the capital, as represented by the forest. The Forest College for training the necessary executive officers for carrying out the prescriptions of the Working Plans under the guidance of the gazetted staff is retained. A Forest Utilization Officer is provided for and his duties are connected with the marketing of forest produce. Provision is made for a Forest Engineer to whom major works of construction are entrusted. In order that the all-important prescriptions of Working Plans for the improvement of the forest capital may be formulated on correct lines, the cadre provides for two Provincial Silviculturists whose duties are to carry out research with reference to the many problems connected with the raising of forest crops in localities whose rainfall varies between some 200 inches a year and about 20 inches.

3. Having obtained approval of the organization briefly outlined above, two things are necessary in order that the fullest benefit may be derived from it. One is sufficient money to give practical effect to the accepted principles, and the other is a lively demand for the whole of the forest produce which the Working Plans show can be removed with benefit to the forest. Without the second, the first is not easy of attainment.

In the year 1930-31, the demand for timber and other forest produce did not equal the supply and, moreover, the prices obtained were, in many instances, far below normal.

Sandalwood is one of the chief revenue-producing products of the Madras forests. In the year under review, some 900 tons were available for sale, but it was only possible to dispose of 564 tons and the average price obtained was not much more than half that obtained in the previous year.

There was also a slump in the market for big timber with the result that some timber depots still contained large unsold stocks at the close of the year. In view of this fact arrangements for curtailing felling for the immediate future had to be made in several localities.

4. Fortunately, the depressed state of the timber market and the unfavourable financial situation were not able to prevent the trees from growing. The year 1930-31 was not an unfavourable one from the silvicultural point of view in some of the divisions and various successful plantations were made. It is not unreasonable to hope that the financial position will have improved by the time that these plantations come to maturity and that they will be a source of handsome profit to a future generation—a reflection which should cause all concerned to realize how necessary it is to exercise extreme caution before deciding to curtail too drastically expenditure on creative work by a department which exists and works for the future no less than for the present.

II.—WORKING PLANS.

5. The following table shows the position as regards the preparation of Working Plans during the year:—

Circle.	Division.	Name of Working Plans.	Progress made.
First	Ganjam ..	Revised Working Plan for the Ghumsur forests.	Completed.
	Upper Godavari.	Working Plan for the Upper Godavari forests.	Details of Part I of the Working Plan were collected by the District Forest Officer. Working Plan to be prepared by the Working Plan branch.

Circle.	Division.	Name of Working Plans.	Progress made.
First—cont.	Lower Godavari.	Working Plan for the Lower Godavari forests.	Revision and consolidation of the Working Plans in the division taken up towards the close of the year.
	Vizagapatam ..	Working Plan for the Vizagapatam forests.	Revision and consolidation of the Working Plans in the division taken up.
	Guntur ..	Working Plan for the Guntur Upland forests.	Draft already prepared was being revised.
	Nellore ..	Revised Working Plan for the forests in Sriharikota Range.	Was being redrafted.
Second	Do. ..	Working Plan for the Sathia-vedu Range.	Revision will be taken up in the current year.
	South Kurnool.	Working Plan for the whole of the Giddalore Range and a portion of the Gundlakamma Range.	Sanctioned.
	West Kurnool.	Working Plan for the West Kurnool forests.	Completed.
	South Cuddapah.	Working Plan for the South Cuddapah forests.	Completed.
Fourth	Vellore ..	Revised Working scheme for the Odugathur forests.	Kept in abeyance pending the bifurcation of the Vellore division.
	North Salem ..	Working scheme for sandalwood.	A three-year temporary scheme was sanctioned by the Conservator for working the sandalwood areas.
	Central Salem.	Consolidated Working Plan for the Central Salem forests.	Completed.
	South Salem ..	Consolidated Working Plan for the South Salem forests.	Completed.
Fifth	North Coimbatore.	Working Plan for the North Coimbatore forests.	In progress.
	Kollegal ..	Working Plan for the Kollegal forests.	In progress.
	South Coimbatore.	Revised Working Plan for the Mount Stuart forests.	Completed.
	Madura ..	Working Plan for the Madura forests.	Materials for Part I being collected by District Forest Officer. The Working Plan will be prepared by the Working Plan branch.
Sixth	Tinnevely ..	Working Plan for the deciduous forests.	Part I of the plan was under preparation.
	North Mangalore.	Revised Working Plan for the North Mangalore division.	In progress.
	South Mangalore.	Revised Working Plan for the South Mangalore forests.	In progress.
	Wynaad ..	Working Plan for the Wynaad Ghaut forests.	In progress.
	Nilambur ..	Working Plan for the New Amarampalam forests.	Reconnaissance report submitted by the District Forest Officer, and orders have since been issued.
	Palghat ..	Working Plan for the Chenat Nair, Dhoni, Silent Valley and Attapadi Reserves.	Under preparation.
	Do. ..	Revised Working Plan for the Thadagam, Anaikatti and Bolampatti Block III Reserves.	Sanctioned after the close of the year.

6. In the case of the Working Plans for the Ghumsur forests, Lower Godavari, North Coimbatore, Kollegal, the Mount Stuart forests, North and South Mangalore divisions, the Wynaad Ghaut

forests and the Chenat Nair, Dhoni, Silent Valley and Attapadi Reserves, the work was carried out by special Working Plan parties under the direct control of the Working Plans Conservator. In all other cases, the Working Plans on completion will be scrutinized by the Working Plans Conservator.

7. At the close of the year sanctioned Working Plans or schemes were in existence for 9,422 square miles. Working Plans for 3,309 square miles were awaiting sanction or were under preparation, leaving 6,330 square miles of Reserved Forest for which no Working Plans have yet been started.

III.—UTILIZATION.

(i) SUPPLY OF PRODUCE.

(a) Timber.

8. The total output of timber was 85,580 tons or 11·7 per cent less than the figure for the previous year. The details are—

Removed from	By Government.	By purchasers.	By free grantees.	By right-holders.	Total.
	TONS.	TONS.	TONS.	TONS.	TONS.
Reserved Forest, Leased Forest and Reserved Lands.	37,860	13,440	720	360	52,380
Unreserves	640	28,880	3,360	320	33,200
Total ..	38,500	42,320	4,080	680	85,580

9. The total quantities of timber and fuel exploited from departmental forests showed a small increase this year also. There was an increase in the outturn of timber extracted by departmental agency in the First and Fifth Circles. In the First Circle, it was due to the resumption of departmental extraction of timber from the plains sal timber Working Circle and Selection Working Circle in Ganjam and to the extraction of a large quantity of sal timber from the Palakonda Range in Vizagapatam. In the Fifth Circle, the increase was due to a larger quantity of sandalwood (which is also included in Form No. 35) being extracted in Kollegal and to increased outturn of timber from the Punachi Timber Working Circle in South Coimbatore. There was a decrease of 118,000 cubic feet in South Mangalore due to the closure of the Parappa Saw Mill and to the curtailment of fellings owing to large stocks being on hand. A decrease of 100,000 cubic feet in Nilambur was due to the postponement of subsidiary fellings. Against these was an increase of 114,000 cubic feet in Palghat due to expansion

of operations in Silent Valley and Kalladikot and of 56,000 cubic feet in Wynaad and the Nilgiris due to the actual yield having exceeded the estimated yield.

10. There was a decrease in the quantity of timber extracted by purchasers in the First Circle due to resumption of departmental fellings in Ganjam and to a smaller number of assignments of land, in the Second Circle due to lack of demand and fewer assignments of land and also in the Sixth Circle due to a low yield in Palghat, to the restricted sale of dead wood in Wynaad and fewer assignments of land.

11. The quantity of timber felled departmentally and remaining undisposed at the end of the year in forest and sale depots was 1,413,000 cubic feet as against 1,358,000 cubic feet in the previous year. The accumulation was principally in the Wynaad and Nilambur divisions and is due to the unusual slump in the timber market, a result of the world-wide economic depression.

(b) Fuel.

12. Two lakhs thirty-four thousand eight hundred and twenty-five tons of fuel were removed from Reserved and Leased Forests, of which 13,800 tons were removed by departmental agency. The outturn from unreserves was 21,262 tons. The decrease (1,350 tons) in the total output by departmental agency was mainly due to the stoppage of the supply of charcoal to the Kurnool Municipality and to the abandonment of charcoal manufacture in Anantapur as being unprofitable. Also to a small extent (500 tons) in the Sixth Circle due to the absence of departmental fellings in Nilambur.

13. The increased removal by purchasers is due to the sale of a greater number of fuel coupes in South Cuddapah and to the larger yields from coupes sold in the Nilgiris and North Mangalore divisions.

14. Further progress was made in the Second Circle in the opening up of new felling areas and generally greater attention was paid everywhere to the need for affording facilities to the people for obtaining their requirements by legitimate means.

(c) Bamboos.

15. The value of bamboos removed from the forests by all agencies during the year was Rs. 3·94 lakhs against Rs. 4·55 lakhs in the previous year. The decrease was in the First, Second and Fourth Circles and was mainly due to poor prices realized for bamboo coupes on account of trade depression. It was also to a certain extent due to the fact that five kists were collected during the previous year in accordance with the system of working in the

Vellore division, whereas only four kists were due for collection in the year in question. Lack of demand and the gregarious flowering of big bamboos in South Salem also contributed to the decrease.

(d) *Sandalwood.*

16. Five hundred and sixty-four tons of sandalwood were sold for Rs. 4,40,755 as against 707 tons for Rs. 9,86,618 in the previous year. The average price realized was Rs. 782 per ton as against Rs. 1,395 in the previous year.

17. Owing to general trade depression which resulted in merchants having stocks on hand, demand for sandalwood was very slack. Normally the annual sales at Vellore, Tiruppattur and Satyamangalam take place in December but, on the express and repeated request of the dealers in sandalwood, the sales were held only in February 1931. Even then there was a great fall both in the demand and in the prices as indicated above, the average selling rate being only a little more than half that obtained in the previous year.

18. The total quantity of sandalwood extracted during the year was about 900 tons which leaves a balance of about 336 tons of wood on hand.

(e) *Grazing.*

19. 12.36 per cent of the forests managed by the Forest department was closed to grazing either throughout the year (11.18 per cent) or for part of the year (1.18 per cent). Grazing permits were issued for 1,531,661 animals as against 1,649,805 in the previous year. It is reported that permits were issued for 895,781 animals for grazing in panchayat forests. During the year 86,135 animals grazed free of charge in the areas under departmental control as against 84,591 animals in the previous year. In the forests under panchayat management, 2,204 animals are reported to have been allowed free grazing. The revenue foregone by allowing free grazing and grazing at concession rates in the departmental forests was Rs. 43,480 as against Rs. 43,041 in the previous year.

20. There was a decrease in the number of animals grazed in all the circles and it is mainly attributed to cattle mortality by epidemic diseases and to the late setting in of the monsoon in Ganjam, Vizagapatam and Guntur. The decrease was also due to the system of refusing permits to villagers adjoining Reserves under panchayat management during the months of July and August which are the most important months in the grazing year. This was done with a view to preventing cattle of panchayat areas grazing in the departmental Reserves to the detriment of the panchayat income.

21. The average incidence of grazing in the Reserved Forest under the control of the Forest department works out at 5.5 acres per animal as compared with 5.7 acres in the previous year, the figures being as low as 2.27 in Lower Godavari and 3.65 in Guntur. These figures show that a reduction in the grazing incidence is urgently called for. As long as Government adhere to the present policy of "no enhancement of grazing fees" and as long as the range-wide system is not replaced by the old block system, there is no possibility of reducing the grazing incidence. In view of the fact that cattle are allowed to graze over a whole range on a single permit and that the present grazing rates are far below the market value of grazing, the question of increasing the existing rates is well worth reconsideration as a very legitimate means of improving the present financial resources of the State.

(f) *Minor forest produce.*

22. The right to collect minor forest produce was leased out as usual except in a few cases of departmental collection. The revenue derived in the year was Rs. 6,44,453 (Rs. 2,15,618 from Reserved Forests) as against Rs. 9,02,688 in the previous year. The decrease is spread over all circles and is principally due to poor prices realized on account of trade depression, and also to the failure of the tamarind crop in the First and Fourth Circles.

23. Experiments in lac cultivation were continued at Jowalagiri and Deverbetta. The experiments carried out on the Chitteris have demonstrated the suitability of the locality for the production of lac and that the local Malayalis could be trained to carry on its cultivation as a village industry, as is done in parts of Bihar and the Central Provinces. In view, however, of the present low price for lac, it was decided that no further developments in the Chitteris should be made until the market shows a decided improvement. Experiments were also carried out in North Coimbatore, Madura and Palghat divisions with varying results.

(g) *Removal of forest produce by free grantees and rightholders.*

24. The estimated value of forest produce removed by free grantees and rightholders amounted to Rs. 85,120 against Rs. 73,389 in the previous year. The above does not take into account the value of the produce removed in virtue of the concessions allowed to the ryots in the South Kanara district. The increase was chiefly in the First Circle and was due to the fact that extensive free grants were made for rebuilding houses destroyed by frequent fires. Most of the free grants in the year under report were, as usual, for the reconstruction of houses destroyed by fire.

(ii) COMMERCIAL UNDERTAKINGS.

25. In view of G.O. Ms. No. 1287, Development, dated 29th August 1931, the activities of the commercial concerns in this department are dealt with in greater detail than in previous reports. In addition to the results of the year's working of the concerns, their financial and business aspects, both present and prospective, are also dealt with in sufficient fullness.

(a) *The Russellkonda Saw Mill.*

26. The saw mill was closed on 1st July 1928, and since then the concern has been in liquidation. The liquidation accounts are still subject to annual audit by the Assistant Director of Commercial Audit.

The net result on the realization of the assets, taking into account the winding up expenses for the year under review, was a deficiency of Rs. 3,292-13-9, bringing the total deficiency on the liquidation to Rs. 6,208-3-3 up to 31st March 1931. During the year, a sum of Rs. 1,21,000 was withdrawn by the Accountant-General from the personal ledger account of the concern and credited to "Recoveries of investments in commercial undertakings." The cash position on 31st March 1931, after meeting all charges for the year, was a balance of Rs. 3,553-9-10 including Rs. 90-9-2 representing book debts considered good. A sum of Rs. 1,500 has since been withdrawn from the personal ledger account of the concern during the current year, leaving a balance of Rs. 2,053-9-10 to meet the liquidation expenses during the year.

27. As regards the assets of the concern, the idle machinery is being cared for by a fitter and two watchmen at an annual cost of Rs. 990. Under the orders of Government in G.O. Ms. No. 1158, Development, dated 9th July 1929, the saw mill buildings and furniture were transferred to the Public Works Department at the book value of Rs. 1,19,556 and this amount was credited to the concern in the accounts of 1929-1930. Subsequently it was found necessary to retain a portion of the saw mill buildings, to be sold along with the mill machinery and the question of refunding its value to the Public Works Department—Rs. 64,604-10-5—is under consideration.

28. The only suitable offer received for the mill was from Mr. Paramananda Sahu of Nimmakhandy in the Ganjam district. Government have, in G.O. Ms. No. 1316, Development, dated 3rd September 1931, accepted his offer of Rs. 25,000 for the entire saw mill machinery at Russellkonda and the buildings retained for sale along with the mill. In accordance with the terms agreed upon, Rs. 7,000 will be paid at the time of registration of the sale-deed, and the balance of Rs. 18,000 will be paid with interest in

three annual instalments of Rs. 6,000 each, commencing from 1st May 1932. The sale of the machinery and buildings will complete the liquidation of the concern except for certain spare parts. The disposal of these is under consideration and when this is effected, the assets of the concern will be completely disposed of.

(b) *Chenat Nair Forests.*

29. With the closure of the Olavakkot Saw Mill from the 5th November 1929, the concern has been in liquidation. Extraction activities were completely stopped from 1st April 1930, and the present review is therefore confined to the liquidation of assets.

The liquidation accounts are separately recorded in the ordinary books of the Forest Engineer's division and adjusted monthly by the Accountant-General in the personal ledger account of the concern. The accounts still continue to be audited by the Assistant Director of Commercial Audit annually.

30. The value of the assets of the concern on 1st April 1930 was Rs. 4,01,243-7-5. The disposals during the year under review aggregated to Rs. 1,83,955-12-5; of this, Rs. 1,19,252-11-3 represents the realization of book debts and advances outstanding, Rs. 9,166-2-0 the proceeds of the timber stock sold; and the balance of Rs. 55,536-15-2 represents the value of fixed assets disposed of—mostly roads and buildings. The permanent and temporary roads of the concern and some of the buildings were transferred to the Palghat division at a valuation of Rs. 13,104-15-0 and this amount was credited to the concern and withdrawn as recoveries of investments in Government commercial undertakings.

At the end of the year, assets valued at Rs. 2,17,287-11-0 were left over for disposal. These comprise lands and railway siding valued at Rs. 29,617-6-2, saw mill buildings valued at Rs. 31,752-13-0, plant and saw mill machinery valued at Rs. 1,14,837-4-0, tractors valued at Rs. 12,426-8-0, stores, spares and material of telephone lines dismantled valued at Rs. 25,170-9-0, and advances and book debts amounting to Rs. 3,483-2-10.

31. The decision to sell the mill was reached only in January 1931 after considering the possibility of its use in connexion with the New Amarampalam project. The question of transfer to the Telegraph department of the telephone lines dismantled is under consideration. One of the tractors was sold for Rs. 2,500 after overhauling and attempts are being made to sell the remaining tractors. Steps have been taken to effect the speedy recovery of advances and book debts still outstanding—Rs. 2,362. The entire timber stock of the concern has already been sold except for 1,344 cubic feet of mill-sawn scantlings with the Forest Utilization Officer who is taking steps to expedite their disposal.

32. The cash position of the concern on 31st March 1931 showed a balance of Rs. 1,96,045-0-7 at the credit of the personal ledger account and a sum of Rs. 1,91,354-0-4 was withdrawn, leaving the balance to meet the liquidation expenses which amount to about Rs. 2,350 per annum.

(c) *Mount Stuart Forests.*

33. This is a regular commercial concern under Chapter II of the Account Code with a separate personal ledger account. The area dealt with under this concern is the Tuncadavu range which is one of the five ranges of the South Coimbatore division. A revised Working Plan for these forests has been prepared and will be sanctioned shortly. The commercial accounts are subject to half-yearly and annual audit by the Assistant Director of Commercial Audit.

34. During the year under review, a total quantity of 115,617 cubic feet of timber was extracted as against 128,738 cubic feet in the previous year. 101,444 cubic feet were carted to the sale depot at Pollachi against 74,315 cubic feet in 1929-30.

The cost of production of logs delivered at Pollachi depot was Rs. 1-1-3-87 per cubic foot as against Rs. 1-0-2-92 per cubic foot in 1929-30; the increase in the production costs was due to the higher rate paid for carting consequent on the longer lead, and to an increase in overheads on account of the heavy repairs to roads during the year. The district overheads per cubic foot included in the production costs amounted to As. 7-11-42 against As. 6-11-08 for the preceding year.

35. The sale of logs at the Pollachi depot increased during the year from 85,784 cubic feet in 1929-30 to 91,034 cubic feet. The average rate realized for all the species was Rs. 1-7-6 against Rs. 1-10-5 in the previous year, the decrease being due to the slump in the market. The log section of the depot at Pollachi was transferred from the Forest Utilization Officer to the District Forest Officer from 1st December 1930, the Forest Utilization Officer continuing to be in charge of the sawn timber stocks. The Forest Utilization Officer however continued to conduct auction sales and special sales of logs at the depot.

The sales in the forests at the Topslip depot conducted by the District Forest Officer as usual increased during the year under review as compared with those of the previous year,—10,860 cubic feet being sold against 9,357 cubic feet in 1929-1930. The logs sold here were of inferior quality not worth carting to Pollachi. The rates realized during the year were however less than those

for the previous year, the average being As. 5-8 per cubic foot against As. 11-11-5 in 1929-30. These rates cannot be compared with those obtained at Pollachi for a better class of logs.

The log trading for the year resulted in a profit of Rs. 6,206-0-7 as against Rs. 68,397 in 1929-30. The reduction in profit is chiefly due to the slump in the timber market and to the general trade depression. A small profit of Rs. 423 was realized on the sale of 1,865 cubic feet of logs consigned to Madura for sale on a commission basis.

36. The saw mill at Topslip having been closed on 31st December 1929, no timber was sawn during the year. Out of the unsold stock of mill-sawn scantlings 5,707 cubic feet were disposed of at rates averaging Rs. 1-14-10 per cubic foot against Rs. 1-11-4 per cubic foot realized in the previous year. The closure of the saw mill reduced the loss on sawn timber trading from Rs. 32,317 in 1929-30 to Rs. 1,537 in 1930-31. The balance of stock remaining unsold on 31st March 1931 was 4,579 cubic feet and the bulk of this quantity represents species other than teak. Attempts were made to effect a speedy disposal of the stock by reducing the prices with fairly satisfactory results.

37. Three hundred and seventeen and a half sets of spokes and felloes were produced during the year and 562 sets (mostly the previous year's stock) were disposed of at an average rate of Rs. 11-5-5 per set, leaving a balance of 169 sets on 1st April 1931. The operations resulted in a loss of Rs. 3,113 as against a small profit of Rs. 347 in 1929-30, the reason for the loss being the want of demand and the consequent fall in the average prices realized.

38. The overseas consignment sales, handled by Messrs. Peirce, Leslie & Co., comprised the disposal of 115 cubic feet of *Adina cordifolia* (Haldu) and a free supply of samples of miscellaneous species amounting to 264 cubic feet. A loss of Rs. 624-15-2 was incurred on account of these sales, as against a profit of Rupees 3,745-14-3 realized in the previous year. The High Commissioner for India, London, completed the audit of the books of Messrs. Howard Bros., Ltd., London, ex-agents for the sale of Government timber in the overseas market, and on receipt of the audit report final adjustments were made in respect of the consignments from 1925-26 onwards. A sum of Rs. 2,268-2-10 was written off to the profit and loss account of the concern.

39. The year under review closed with a total loss of Rs. 13,454-6-11 which was reduced by Rs. 12,068 by the credit to the profit and loss account of Rs. 12,068 being the depreciation reserve on permanent roads, necessitated by the decision of Government that no depreciation should be charged on permanent roads in addition to the cost of repairs. The net loss for the year

amounted to Rs. 3,704-3-2 as against a profit of Rs. 38,463-7-6 in 1929-30. The cash position on 1st April 1931 was a balance of Rs. 1,17,900-10-0 at the credit of the concern.

40. According to the Revised Working Plan, a quantity of 180,000 cubic feet should have been felled during 1931-32. But due to the slump in the market and the year 1931-32 having opened with heavy stocks in the felling area, forest depots and the sale depot at Pollachi, aggregating 122,667 cubic feet, the extraction during the year has been restricted to 54,400 cubic feet of which about 30,200 cubic feet will be teak, 10,600 cubic feet *Petrocarpus marsupium* (vengai) and the balance *Dalbergia latifolia* (rosewood), *Terminalia tomentosa* (karimarudú), *Terminalia paniculata* (pillamarudu) and miscellaneous species. About 82,900 cubic feet (including previous year's stock) are expected to be carted to the depot at Pollachi where it is hoped to sell 92,390 cubic feet (including previous year's stock). The entire balance of unsold mill-sawn timber is expected to be sold before the end of March 1932. The year, it is expected, will close with 55,600 cubic feet of logs at Pollachi depot and 14,400 cubic feet at Topslip depot as closing stock. No consignment to overseas market will be made until the market improves. Due to the existing slump in the timber market and the general trade depression, the working of the concern during the current year (1931-32) is expected to result in a loss of Rs. 58,150. This loss takes into account overhead charges amounting to Rs. 60,450.

41. As regards the prospective financial and business aspects, it is too early to foresee with any degree of accuracy what the market conditions will be in 1932-33, but judging from the present slump the extraction during that year too will have to be curtailed. The normal fellings contemplated in the Working Plan amount to 150,000 cubic feet; of this, 130,000 cubic feet are to be carted to Pollachi depot for sale. The operations of 1932-33 are expected to result in a profit of Rs. 7,700, with closing stocks of 92,700 cubic feet at Pollachi and 29,400 cubic feet at Topslip. But, if, in view of the abnormal market conditions now obtaining, curtailment is essential, as it is expected to be, only 50,000 cubic feet (out of 55,000 cubic feet to be felled) will be placed for sale at Pollachi depot and the operations of the year are expected to result in a net loss of Rs. 33,550 with unsold stocks of 12,700 cubic feet at Pollachi and 14,000 cubic feet at Topslip depots. The loss, as in the case of 1930-31, takes into account overhead charges amounting to Rs. 50,150.

(d) Nilambur Valley Forests.

42. This is a regular commercial concern under Chapter II of the Account Code, comprising the entire Nilambur division. The

forests are worked in accordance with a Revised Working Plan, except the inaccessible hill forests of Amarampalam range for which a separate Working Plan is under preparation.

43. During the year, a total quantity of 418,016 cubic feet of logs was felled as against 552,469 cubic feet in 1929-30. The figure of 326,818 cubic feet mentioned in the 1929-30 report as the quantity extracted includes only the final and clear fellings and excludes thinnings, selection fellings and fellings by contractors, etc., all of which are now included in the figures mentioned above. The quantity extracted by final and clear fellings alone from both the Nilambur and Amarampalam ranges aggregates 290,716 cubic feet as against 326,818 cubic feet in the previous year. The quantities extracted by final and clear fellings during the year are analysed below:—

Nilambur range.		Amarampalam range.	
Plantation—Teak.	Natural forests— Miscellaneous species.	Plantation—Teak.	Natural forests— Miscellaneous species.
C. FT. 68,092	C. FT. 68,606	C. FT. 10,619	C. FT. 143,399

The cost of extraction and floating to Beypore naturally varied with the localities. The comparative figures are—

	Nilambur.		Amarampalam.	
	Plantation— Teak.	Natural forests— Miscellaneous species.	Plantation— Teak.	Natural forests— Miscellaneous species.
	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Cost of extraction at Nilambur—				
1930-31	0 2 8-6	0 3 8-8	0 5 3-9	0 5 4-8
1929-30	0 2 10-8	0 4 1-1	0 5 9-1	0 6 6-8
Cost of floating to Beypore—		No floating.		
1930-31	0 2 10-3		0 3 6-5	0 3 6-5
1929-30	0 1 11-9	0 3 3-5	0 3 9-2	0 3 9-2
Cost of delivery at Beypore of logs felled in—		No floating.		
1930-31	0 5 6-9		0 8 10-4	0 8 11-3
1929-30	0 5 9-1	0 7 4-6	0 9 3-6	0 10 1-3

Floating in the Nilambur range was done by contract, while in Amarampalam it was done under departmental supervision. There was a general decrease in the cost of extraction in both the Nilambur and Amarampalam ranges. But there was an increase in the floating charges in Nilambur and it is attributed chiefly to the logs having been floated from localities involving special difficulties

owing to which the contractor had to be paid higher rates. There was a slight reduction in overheads from As. 1-8-4 to As. 1-7-4 per cubic foot due to a reduction by 25 per cent in the proportion of district overheads to be charged to exploitation.

The use of the tractor was continued in 1930-31 for dragging timber in the natural forests at Nellikutha. The cost of working amounted to As. 2-2-5 per cubic foot against As. 3-4-7 per cubic foot in the previous year.

44. During the year under review 120,182 cubic feet of timber were sold in the forests at an average rate of As. 8-6 per cubic foot as against 97,513 cubic feet in 1929-30 sold at an average rate of As. 7-4 per cubic foot. The forest trading resulted in a profit of Rs. 41,026 as against Rs. 26,405 in 1929-30 and Rs. 10,916 in 1928-29. The total quantity of both 1929-30 and 1930-31 fellings floated to Beypore during the year amounted to 356,448 cubic feet against 314,989 cubic feet floated in 1929-30. The sales during the year at the Beypore depot aggregated 310,450 cubic feet against 158,719 cubic feet in the previous year. Though a considerably larger quantity was sold during the year than in the previous year, the average rate realized dropped from Rs. 1-8-8 per cubic foot in 1929-30 to Rs. 1-0-7 per cubic foot in 1930-31. With an increase in the quantity sold, and a decrease in the Forest Utilization Officer's overheads, the log trading at Beypore depot resulted in a profit of Rs. 1,39,078 against Rs. 1,18,504 in the previous year. The auction and other sales of logs in the depot were conducted by the Forest Utilization Officer, although the control of the log section of the depot passed into the hands of the District Forest Officer as from 1st December 1930.

45. The Beypore Saw Mill continued to work for only two months from the commencement of the year and was closed on 1st June 1930. During this short period a quantity of 4,861 cubic feet was converted into 3,164 cubic feet of scantlings, the outturn being 65.1 per cent against 56.7 per cent in the previous year. Due to the low intake, the production costs of mill-sawn timber increased to Rs. 2-0-11 per cubic foot from Rs. 1-12-1.2 in the previous year. The sales effected by the Forest Utilization Officer amounted to 9,539 cubic feet as against 32,127 cubic feet in 1929-30, the average rate realized being Rs. 2-2-9 per cubic foot against Rs. 3-2-11 per cubic foot in the previous year.

The loss consequent on the low prices obtained amounted to Rs. 2,426 as against a profit of Rs. 25,727 realized in the previous year.

The closing stock of scantlings was 15,328 cubic feet in charge of the Forest Utilization Officer.

Sleeper operations were continued and 3,809 broad gauge and 12,845 meter gauge first-class sleepers were supplied to the railways realizing a profit of Rs. 20,661.

46. A consignment of 913 cubic feet of timber sent to the overseas market was sold during the year at a loss of Rs. 842. Further consignments will not be sent until the market improves.

47. The working of the concern for the year resulted on the whole in a trading profit of Rs. 1,83,197 as against Rs. 1,69,805 in 1929-30, the net profit after taking into account items relating to previous years directly adjusted to the profit and loss account being Rs. 1,85,509 as against Rs. 1,71,189 in 1929-30. The year under review closed with a cash balance of Rs. 1,69,056 at the credit of the concern after the surrender of the entire working capital of Rs. 70,000.

48. The concern is expected to continue to work at a profit during the current and succeeding years. During the current year a quantity of 371,500 cubic feet will be felled and logged bringing the total stock in the forests to 729,600 cubic feet. Of this quantity, 160,400 cubic feet will be sold in the forests; 182,300 cubic feet will be floated to Beypore depot; 41,400 cubic feet will be converted into sleepers, leaving a balance of 332,200 cubic feet in the forests. At the Beypore depot it is expected that the entire stock of 338,000 cubic feet of logs including the last year's stock, and the unsold stock of 15,900 cubic feet of mill-sawn scantlings will be disposed of. Almost the whole of the fresh stocks has so far been sold at prices far higher than those obtained in 1930-31. The current year's operations are expected to result in a net profit of Rs. 3,18,000.

49. During 1932-33 it is proposed to fell and log a quantity of 418,200 cubic feet of timber, bringing the total stock in the forests to 750,400 cubic feet. Of this, 287,500 cubic feet will be floated to Beypore depot, where the entire quantity is expected to be sold. Forty-nine thousand six hundred cubic feet will be sold locally, leaving a balance of 412,800 cubic feet in the forests at the end of 1932-33. A net profit of Rs. 2,05,900 is anticipated on the working of the concern in 1932-33.

(e) Wynaad Forests.

50. The Wynaad Forest division has not been commercialized and ordinary forest accounts only are maintained by the district staff. But the Assistant Director of Commercial Audit audits the accounts annually and exhibits the results of the annual working on commercial lines. The exploitation unit comprises the whole of Chedleth and Sultan's Battery ranges and part of Begur range

covered by the Working Plan, for purposes of the audit report, and the remaining area, viz., the Kannothe range, is treated as non-commercial and its results of working are also shown separately in the audited accounts.

51. During the year under review a total quantity of 328,454 cubic feet of logs was felled in the commercial area as against 314,880 cubic feet in 1929-30. One lakh fifteen thousand seven hundred and sixty-six cubic feet of logs were carted from the Begur range to the sale depot at Mysore, and 92,589 cubic feet were carted to the Nanjangud depot, of which 39,655 cubic feet came from the Chedleth range and 52,934 cubic feet from the Sultan's Battery range.

The cost of production including district overheads amounted to As. 15-2-7 per cubic foot for delivery at Mysore, and Rs. 1-4-3-7 and As. 14-7-9 per cubic foot for delivery at Nanjangud from the Chedleth and the Sultan's Battery ranges respectively. The costs were slightly lower than those for 1929-30 except in respect of Chedleth timber carted to Nanjangud, the increase over the previous year's costs in this case being As. 4-0-8 per cubic foot.

The overheads included in the production costs were reduced from As. 3-2-5 per cubic foot in 1929-30 to As. 2-4-9 per cubic foot.

52. A quantity of 48,006 cubic feet was sold during the year in the forest depots of the three ranges at an average rate of As. 5-5 per cubic foot as against 57,517 cubic feet at As. 6-6 per cubic foot in the previous year. The log depot at Nanjangud was transferred from the Forest Utilization Officer to the control of the District Forest Officer as from 1st December 1930, but the former continued to conduct the auction and other log sales throughout the year in this depot as well as in the one at Mysore. The total quantities of log sold at Nanjangud and Mysore depots were 32,018 cubic feet at Rs. 2-6-7 per cubic foot in the former and 47,770 cubic feet at Rs. 2-5-0 per cubic foot in the latter. The average rates realized were less than those for the previous year which were Rs. 2-8-6 per cubic foot in the Nanjangud depot and Rs. 2-14-9 in the Mysore depot. Taken as a whole the total quantity of logs sold in the year under review was 127,794 cubic feet as against 154,761 cubic feet in the previous year and the average sale rate realized was Rs. 1-9-6 against Rs. 1-14-3. The profit on log trading amounted to Rs. 81,936 against Rs. 1,60,542 in 1929-30.

53. The saw mill at Chedleth having been closed on 31st March 1930, there was no production of mill-sawn timber during the year; and the trading therefore consisted mainly of the disposal of the stocks of sawn timber carried forward from the previous year.

Eighteen thousand six hundred and seventy-nine cubic feet of sawn timber were sold during the year, realizing an average of Rs. 2-8-7 per cubic foot as against 12,451 cubic feet sold at Rs. 2-6-3 in the previous year. The closing stock with the Forest Utilization Officer on 1st April 1931 was 9,466 cubic feet. The net result of the sawn timber trading was a small profit of Rs. 54-6-5 against a loss of Rs. 48,355-8-9 incurred in the previous year. The idle machinery is being cared for by a chargeman and a fitter at a cost of about Rs. 800 per annum.

54. A consignment of 1,550 cubic feet of timber was sent for the overseas market during the year bringing the total quantity available for sale abroad with Messrs. Peirce, Leslie & Co., to 6,955 cubic feet of which 4,156 cubic feet were sold overseas at an average price of Rs. 3-8-2 per cubic foot against Rs. 1-14-6 per cubic foot realized in the previous year. The consignment sales resulted in a net profit of Rs. 2,551 as against a loss of Rs. 1,608 in 1929-30.

55. On completion of the audit of the accounts of Messrs. Howard Bros., London, by the High Commissioner for India, the accounts of the firm relating to their consignment sales were finally closed with a credit balance of Rs. 1,667-4-11, representing the sale proceeds of 322 cubic feet previously consigned amounting to Rs. 1,495-14-2 and certain refunds made to the concern.

56. Sleeper operations were continued in the Kannothe range—the non-commercial area—and 3,235 broad gauge sleepers (I class) and 3,154 metre gauge sleepers (I class) were supplied to the Railways. The operations resulted in a net loss of Rs. 1,307-4-9 as against a similar loss of Rs. 1,379-13-7 in the previous year. The loss takes into account all charges including District and Forest Utilization Officer's overheads and the closing stocks at a low valuation. The cost of production of metre gauge sleepers, however, was higher than the sale rate thereby reducing the profit from broad gauge sleepers. The production of metre gauge sleepers will be restricted to the barest minimum.

57. During the year under review, all the exploitation activities pertaining to the commercial unit proved profitable, and the total profit amounted to Rs. 1,00,428 against a similar profit of Rupees 1,12,431 in the previous year.

The activities carried on by the general forest administration including the sleeper operations in the Kannothe range resulted in a net loss amounting to Rs. 33,233 against a similar loss of Rupees 18,603 in the previous year.

The net financial result of the division as a whole was a profit of Rs. 67,204 against a profit of Rs. 92,828 in the previous year.

58. The working in each year is controlled by the prescriptions of the Working Plan sanctioned for the deciduous forests of the division covering the Chedleth, the Sultans Battery and parts of the Begur ranges. A similar Plan in respect of the evergreens in the Kannothe range outside the commercial unit is under preparation. In accordance with the Working Plan prescriptions the extraction of 287,090 cubic feet was contemplated for the current year and funds for the purpose were provided in the budget with the sanction of Government to the Part II Schemes. At the commencement of the year, the question of curtailing the extraction was examined, taking into account the existence of heavy unsold stocks at the depots and the general slump in the market, and it was decided to restrict the fellings to 50,000 cubic feet of good logs to be carted to the sale depots at Mysore and Nanjangud. This curtailment will not, however, affect the revenue to be realized this year from the timber sales, as the existing stock is adequate to meet the entire demand of the current year and a part of that of the following year.

An expenditure of Rs. 65,000 is expected to be incurred on the extraction and carting of logs to the depots during the current year. The sleeper operations in the Kannothe range continue and Rs. 15,600, to be incurred on the work, has been included in the sum of Rs. 65,000 referred to above. On the revenue side, the actuals up to the end of August 1931 amount to Rs. 58,400 and the estimated revenue for the remaining months of the year is Rupees 1,80,600 bringing the total realization during the current year to Rs. 2,39,000. The revenue estimate of Rs. 1,80,600 includes the revenue of Rs. 21,000 from sleepers supplied in 1930-31, Rs. 8,000 from the sale of sawn timber stocks, Rs. 66,300 from the probable sale of 41,928 cubic feet in the Mysore depot, Rupees 47,300 from similar sales of 37,780 cubic feet in the Nanjangud depot and the balance of Rs. 38,000 from the sale of about 112,800 cubic feet in forest coupes and depots.

59. The entire mill-sawn stock is expected to be disposed of in the course of the year.

60. The Boothakal-Bavali road is being metalled at a cost of Rs. 34,000 of which Rs. 30,000 will be incurred this year. On completion of the work, this road will facilitate the transport of timber to the Mysore market.

61. As accounts on commercial lines are drawn up by the Assistant Director of Commercial Audit only at the end of the year, the results of the working according to commercial accounting are not now available for the current year.

62. During 1932-33, the extraction of logs from the three ranges of Chedleth, Sultans Battery, and Begur will be continued

and, with the greater facility for transport consequent on the improvement of the Boothakal-Bavali road, the output of Begur timber for the Mysore market will naturally increase, provided there is sufficient demand. Sleeper operations will also continue in the Kannothe range.

(f) *The Forest Utilization Division.*

63. Besides the ordinary accounts, *pro forma* accounts on commercial lines are also maintained for this division by the Forest Utilization Officer and audited by the Assistant Director of Commercial Audit annually. At the commencement of the year under review, the Forest Utilization Officer continued to hold control over the sale depots at Beypore, Pollachi, Olavakkot, Kasaragod and Nanjangud and the Valparai sleeper depot at Pollachi. But subsequently the control of all the log depots was transferred to the respective District Forest Officers, the Kasaragod log depot in June 1930, and all the other log depots on 1st December 1930. The Valparai sleeper depot at Pollachi too was transferred to the District Forest Officer on 1st April 1931. The Forest Utilization Officer, however, conducted the auction and other special log sales in all the depots including the one at Mysore, leaving the collection of revenue and the maintenance of accounts in the hands of the District Forest Officers from 1st December 1930. The sawn timber stocks in the various depots, however, remained in charge of the Forest Utilization Officer throughout the year.

64. As no useful purpose will be served by a comparison of the log sales effected by the Forest Utilization Officer during a part of the year—eight months—with those of the entire previous year, the sales of scantlings alone are compared with the previous year's sales in the following statement:—

Sawn timber sales effected by the Forest Utilization Officer.

Year.	Species	Quantity.	Amount.	Rate per cubic foot.
		C.F.T.	RS.	RS. A. P.
1929-30	Teak	59,679	1,69,426	2 13 5
	Other species	79,922	1,01,902	1 4 5
1930-31	Teak	23,626	69,550	2 15 1
	Other species	46,579	57,489	1 3 9

All the saw mills having been closed, the mill-sawn scantlings disposed of during the year were part of the previous year's stocks.

65. According to the audited figures, the turnover of the division for the year under review was Rs. 12,43,547 showing a decrease of Rs. 45,468 as compared with the preceding year. The

total overheads of the division for the year amounted to Rupees 58,681-9-6 as against Rs. 58,329-14-0 in 1929-30. In view of the transfer of the log depots to the districts and the consequent increase in the non-commercial activities of the Forest Utilization Officer, 50 per cent of the overheads was charged to the general forest administration as against 20 per cent in the previous year, and the remaining 50 per cent was charged to the sales effected by the Forest Utilization Officer. The share of the Forest Utilization Officer's overheads charged to the sales amounted to 2.36 per cent of the total value of the sales, as against 3.62 per cent in 1929-30. This percentage was charged on all the timber sold by the Forest Utilization Officer.

66. *Overseas trade.*—Messrs. Peirce, Leslie & Co. continued to be the general agents for shipping consignments of timber overseas and also acted as agents for sales through their London branch. The question of entering into a formal agreement with the firm is under consideration. In view of the slump in the timber market, the export of logs on consignment sale was stopped during the year except for a few consignments made during the early part of the year already ear-marked during the previous year. The sub-joined statement shows the sales in the overseas market during 1930-31 :—

Through Messrs. Peirce, Leslie and Company.

Species.	Quantity.	Gross amount realized.	Rate per cubic foot.	Forest Utilization Officer's and district expenses including overheads, per cubic foot.	Profit (+) or loss (—) per cubic foot.
	C. FT.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Rosewood	355	1,350 10 5	3 12 10	2 15 6	+ 0 13 4
Laurel	2,609	6,272 2 2	2 6 6	2 15 11	— 0 9 5
Haldu	118	.. ..	.. ..	3 14 1	— 3 14 1
Miscellaneous species.	264	319 6 0	* 1 3 4	3 1 2	— 1 13 10
Direct consignments by the Forest Utilization Officer.					
Laurel	1,929	8,246 0 0	4 4 5	2 15 6	+ 1 4 11
Rosewood	40	280 0 0	7 0 0	2 15 6	+ 4 0 6
Pillamarudu	135	540 0 0	4 0 0	2 15 8	+ 1 0 4

* Free samples, but part of the actual expenses met by the consignees.

The direct sale of 2,104 cubic feet was made to Messrs. Acme Veneer and Lumber Company and Wood Mosaic and Company, United States of America, and to Messrs. Mallinson & Sons, London; these sales proved profitable.

During the year under review, the balance of stock with Messrs. Howard Bros., Ltd., London, whose agency for the sale of Government timber overseas was terminated in 1926, was sold and the

audit of the accounts by the High Commissioner for India, London, was completed. The sale proceeds due to the various districts have been credited and the accounts with the firm have been closed finally.

An attempt was made to interest the British railways in tropical hardwood railway keys and the results are awaited.

67. The arrangement with Messrs. T. Namberumal Chetti and Sons for the sale of Government timber on a commission basis was terminated in January 1931, and the formal agreement for the agency was not executed owing to certain unacceptable modification proposed by them in respect of the terms. The outstandings are being realized with interest. In the absence of an agent, the Forest Utilization Officer made special efforts to dispose of the balance of mill-sawn scantlings cubing 48,400 cubic feet. Tenders received for the purchase were not satisfactory, and a reduced price list was introduced in the depots with fairly satisfactory results.

68. The Forest Utilization Officer and the Assistant Forest Utilization Officer continued to pass the sleepers supplied to the railways, and the full quota of 35,000 broad gauge and 50,000 meter gauge, besides 2,600 narrow gauge sleepers, was supplied to the railways during the year as against 41,231 broad gauge and 13,733 meter gauge sleepers in 1929-30. The entire revenue due from the railways for the supply has been realized. A three years' contract with the railways for the supply of a stipulated minimum number of broad gauge and meter gauge sleepers each year is under contemplation.

69. Efforts were made to interest the Jail and the Public Works departments in indenting upon the Forest department for their requirements of logs and 3,463 cubic feet of teak logs were supplied to the Central Jails at Coimbatore, Trichinopoly and Cannanore. Messrs. Binny & Co. were supplied with 6,939 cubic feet of teak logs and 932 cubic feet of junglewoods, the realization from the sale being Rs. 27,719. Negotiations with private parties resulted in the disposal of large stocks of teak and xylia from the Bypore depot.

70. The Forest Utilization Officer arranged for the supply of specimens of various species for timber tests under the several projects undertaken by the Forest Research Institute, Dehra Dun. Arrangement was also made for the supply of five tons of eta bamboo to the Forest Research Institute, Dehra Dun, in connexion with an experiment on paper manufacture.

71. Literature on minor forest products continued to be collected and recorded in the ledger files.

The policy of introducing lac in suitable areas was under the supervision of the Deputy Forest Utilization Officer, an Extra Assistant Conservator, until the abolition of the post on 1st October 1930, and continued to be handled by the same Extra Assistant Conservator under the Conservator, Fifth Circle. During the year under review, lac experiments were carried out in Central Salem, North Coimbatore, Madura and Palghat divisions.

72. The future activities of the Forest Utilization division will be in the nature of those of a centralized selling agency. The present control by the Forest Utilization Officer over the sawn timber stocks in the depots will cease with the disposal of the unsold balance on hand, and thereafter he will be concerned mainly with the conduct of log sales at the depots, organization of sleeper supply, sleeper passing, and realization of the revenue therefrom, arrangement for the sale of good logs in special markets, to the railways, Government departments, etc., handling of all overseas sales, study of the market conditions and the requirements of the various localities, correspondence relating to minor forest products, arrangement of supply of specimens for tests, or identification at the Forest Research Institute, Dehra Dun, and technical advice on matters relating to timber, minor forest products, etc.

73. For the present and future duties of the Forest Utilization Officer, the maintenance of *pro forma* accounts and commercial audit for this division can serve no useful purpose and the question of their discontinuance is under consideration.

(g) *Saw Mills and Extraction division.*

74. With the closure of the saw mills and the termination of the contract of the Forest Engineer, Major Chipp, the Saw Mills and Extraction division, Olavakkot, was closed in April 1930. The mills were handed over to the districts and the Valparai sleeper project was transferred to the District Forest Officer, South Coimbatore. The Central Stores, Olavakkot, has been taken over by the Forest Engineer, Coimbatore.

IV.—SILVICULTURE.

75. Natural regeneration was fairly satisfactory in most districts; but, as usual, it was found that, after satisfactory germination of seed in the rainy weather, many seedlings wilted and died during the dry hot season of the year. In the case of artificial regeneration, the same conditions resulted in a certain amount of disappointment in the case of sowings, but, where planting of seedlings or stumps, as in the case of teak, was followed by a sufficient number of days of favourable weather, results were satisfactory.

76. Sandal is spreading naturally in several districts and there is very little doubt that, in the Presidency as a whole, this species is on the increase, in spite of the ravages of spike disease in certain localities. In recent years our knowledge of the silviculture of sandal and of the best means of raising it artificially has increased appreciably. A useful pamphlet embodying the latest information, notably with regard to the method of sowing in dumps, which has met with success in North Salem, has been drawn up; it is hoped to print it and distribute it widely in the near future.

77. It is gratifying to note that, in various districts, steps were taken towards improving the stocking in fuel coupes.

Prescriptions with this end in view find place in several recent Working Plans and it is felt that the principle of collecting debris after felling and burning it in heaps or lines and thereafter sowing seeds of suitable species must be a sound one. In some of the reports received, there is a dearth of information regarding the results of this practice. Especially in the case of such operations as this one, where the work is still in the experimental stage, it is desirable each year to indicate in some little detail what the results, both negative and positive, are up to date.

A further area of 1,220 acres in the sandy Kudiraimoliteri reserve of Tinnevely was sown up with palmyra; the results are reported to be satisfactory up to date.

78. In the Nilgiris considerable damage was caused by frost. Parts of a plantation of *Eucalyptus pillularis* which gave great promise up to Christmas were virtually wiped out in spite of elaborate precautions being taken to protect the plants.

79. Now that so many important forests are covered by Working Plans, thinning and tending are matters of routine which receive regular attention. Reports indicate that more attention is being paid to climber cutting in areas not actually under regeneration. This is satisfactory so far as it goes, but general remarks to the effect that subordinates cut climbers whilst on patrol are not altogether convincing. The instructions are that systematic programmes for climber cutting by subordinates are to be drawn up. Nothing very ambitious in the way of area need necessarily be insisted upon, but what is essential is that the work should be capable of check and that it should be inspected and reported upon.

80. Excellent teak plantations of the second rotation were raised at Nilambur. In Wynaad, where the raising of teak plantations is often difficult, an initial stocking of 78 per cent was obtained in Begur range, whereas in Chedleth range the stocking was 84 per cent; this latter plantation promises to be one of the best raised so far in Wynaad. In Mount Stuart, the 1930 teak plantation

suffered severely from want of timely rain and, for a similar reason, the percentage of initial success at Walayar was rather disappointing.

81. A full and very interesting report on the year's work on silvicultural research is printed separately.

82. Very satisfactory results have been obtained in restocking artificially many of the gaps resulting from selection fellings in the evergreen forests in Tinnevely. In the Silent Valley in Palghat division, many of the *Acrocarpus* which came up so well in the gaps originally have died off. A very high percentage of initial success was, however, obtained from the 1930 sowings and it may prove that a more judicious choice of the larger gaps, based on past experience, will result in the definite establishment of the artificial regeneration. In the meantime no anxiety is felt about the natural regeneration in the evergreen forests, though much remains to be learnt about the possibility of stimulating the growth of young plants in the early years.

V.—GENERAL ADMINISTRATION.

(i) ALTERATION IN AREA.

83. About 4 square miles were disreserved, of which half a square mile in the Central Salem division was for assignment to Koravas and another half square mile in the Madura division was for assignment to the depressed classes for cultivation. One square mile in Central Salem was disreserved and handed over for cultivation. There was a total decrease of about 5 square miles in the Lower Godavari, Nellore, Anantapur, Cuddapah North, Kurnool, East and South Salem divisions due to recomputation of areas. About 9 square miles were added by rectification of areas principally in the Lower Godavari, Nellore and Anantapur divisions. The net result was that there was no alteration in the area of Reserved Forests, which, at the beginning and at the end of the year, was 18,963 square miles.

84. About 47 square miles were newly declared Reserved Lands while no area was excluded. About 34 square miles were added to the extent of Reserved Lands by rectification of areas in the Anantapur and West Kurnool divisions. There was thus an increase of 81 square miles in the area of Reserved Lands, which stood at 350 square miles at the close of the year.

85. Three thousand three hundred and forty-one square miles of Reserved Forests were under panchayat management during the year against 3,383 square miles in the previous year. These forests are under the control of the Revenue Department. The

decrease is due to the resumption of ryots' forests by the Forest department in the following divisions:—

	SQ. MLS.
Eight Eastern Nallamalai blocks, Kurnool East ...	38
Chennupalle Reserved Forest, Cuddapah North ...	6
Karapet Reserved Forest, Chittoor	1
Mallur Reserved Forest, South Salem	1
Total ...	46
<i>Deduct</i> increase due to adopting resettlement figures for some Reserves in Anantapur division and rounding off the areas of Departmental and Ryot's forests in North Salem	4
Net decrease ...	42

(ii) FOREST SETTLEMENT.

86. The area under settlement at the commencement of the year was 57.32 square miles to which an area of 46.96 was added during the year. These settlement operations were in progress over an area of 104 square miles. No area was finally settled during the year.

The selection and demarcation of blocks for reservation in the Rampa Agency was continued during the year and is nearing completion. The settlement of blocks already notified under section 4 of the Madras Forest Act is in progress. There are still eight more blocks to be notified under section 4 of the Madras Forest Act.

In South Mangalore also the settlement of the blocks notified under section 4 of the Madras Forest Act is in progress.

(iii) DEMARCATION.

87. A total length of 234 miles of boundaries was demarcated (chiefly in Ganjam, Lower Godavari, North Salem, Kollegal, North Coimbatore, Madura and Wynaad divisions) at a cost of Rupees 8,584, eight miles in Wynaad being done by subordinates free of cost. A total length of 16,847 miles of boundaries was kept in repair at a cost of Rs. 6,323. At the close of the year, 335 miles of boundary lines remained to be demarcated, chiefly in the Kollegal, North Coimbatore and Madura divisions.

(iv) SURVEY.

88. A Survey of India Party undertook the survey on a scale of 4 inches to a mile of Galleri extensions in Ganjam towards the close of the year and a topographical survey on a scale of one inch to a mile was carried out in the Bhadrachalam taluk in the Upper Godavari division. Another party surveyed part of South Arcot and Salem districts on a scale of one inch to a mile, while the survey of Aranha and Thirthagiri Reserved Lands was done by them on a scale of 4 inches to a mile. In South Salem, the topographical survey of Vedambium, Veppadi, Vengamudi, Vangarai, Periasholai, Gundur, Poolambadi, Ariyalur, Attur-Manmalai, Adukkam-Pudukkombai, Perumalmai and Bailnad was carried out.

89. The Madras Survey Party completed the resurvey of Omalur and Salem taluks during the year. The survey of Harur taluk in Central Salem is in progress. In South Salem, the survey of boundaries of Reserved Forests adjoining patta holdings was completed during the resurvey of Rasipur and Namakkal taluks. The survey of Bailnad, Adukkam-Pudukkombai and Perumalmai Reserved Lands was nearing completion at the close of the year. The survey of the area on the Anamalais, disreserved for cultivation of plantation products, was undertaken in January 1931. The Madras Survey Party continued its work in the South Mangalore division.

(v) ROADS AND COMMUNICATIONS.

90. The construction of the road from Karulai to Nedungayam, which was the only work of magnitude, was continued during the year. The formation of the road was completed and the construction of the bridge across the Cherupuzha was also practically completed. Rs. 35,724 was spent in the year. The work was done by the Forest Engineer.

The total expenditure on new works was Rs. 54,439 and on repairs Rs. 1,12,526 as against Rs. 88,872 and Rs. 88,129 respectively incurred in 1929-30.

Fifty-five miles of new roads were constructed and 2,116 miles of roads were repaired as against 101 miles and 1,974 miles respectively in the previous year.

It is satisfactory to note from certificates furnished by Conservators that important roads were kept in a fair state of repair.

(vi) BUILDINGS.

91. No new work of any magnitude was undertaken during the year. Only miscellaneous buildings such as inspection sheds, range offices, subordinates' quarters and rest-houses were constructed in various divisions.

The total expenditure on buildings amounted to Rupees 75,204 for new construction and Rs. 80,419 for repairs or a total of Rs. 1.56 lakhs as against Rs. 1.55 lakhs in the previous year. There is thus no appreciable difference in the total expenditure incurred in the two years.

(vii) OTHER WORKS.

92. The total amount spent during the year on the construction and repair of wells, tanks, etc., amounted to Rs. 11,135 as against Rs. 12,578 in the previous year.

93. *Improvement of water-supply in grazing grounds.*—A sum of Rs. 1,817 was spent on the improvement of water-supply in grazing grounds. Work of this kind was undertaken in most of the divisions except those in the Northern Circars and the West Coast divisions where there are sufficient facilities for watering cattle. As usual, the improvements consisted of repairing existing tanks and wells and constructing new ones. The public were also permitted to repair existing water-sources and to construct new wells and tanks at their own cost and this permission was utilized chiefly in Guntur where seven tanks inside Reserves were repaired.

(viii) LIVESTOCK.

(a) Elephants.

94. The number of elephants on the books at the beginning of the year was 121 valued at Rs. 2,89,304. During the year, 25 elephants were captured as in the previous year and 5 calves were born. Eight elephants including 3 new captures were sold for Rs. 5,330; seven including two calves died, one was destroyed on account of blindness, one calf escaped and two were presented to a zoological garden in Australia. The number on the books at the end of the year was 132 valued at Rs. 3,08,954.

95. Elephant-capturing operations were conducted as usual in the South Coimbatore, the Nilgiris, the Wynaad and the Nilambur divisions and also in the Palghat division. Twelve animals were captured in South Coimbatore, 5 in the Nilgiris, 4 in the Wynaad, 2 in Nilambur and 2 in Palghat. The cost of the operations was Rs. 7,033 as against Rs. 6,556 in the previous year.

Besides the above captures, there were nine other falls of elephants in the Sixth Circle. Of these three grown up tuskers and one calf escaped, two young calves were released to join the herd near by, two calves were destroyed and one cow elephant died after enkraalment. On one occasion in the Nilgiris division, a forest guard and one or two Kurumbars, having located a herd of elephants beside the Moyar river, drove them very slowly for about a mile down the bank of the river to a ford opposite which was a row of elephant pits. When the elephants entered the water at the ford, the Forest Guard stampeded them with the result that seven of the elephants fell into pits.

(b) Cattle.

96. Forty-five buffaloes, bullocks and asses valued at Rupees 3,394 were in stock at the beginning of the year. During the year six buffaloes were sold and no new animals were purchased. The balance at the end of the year was 39 valued at Rs. 2,914.

(ix) BREACHES OF THE FOREST ACT.

97. The following table shows the forest offences of all kinds during the year as compared with those of the previous year.

Cases	Injury to forests by fire.		Unauthorized fellings.		Unauthorized grazing.		Other offences.		Total.	
	1929-30.	1930-31.	1929-30.	1930-31.	1929-30.	1930-31.	1929-30.	1930-31.	1929-30.	1930-31.
RESERVES.										
Cases taken to Court	20	14	2,691	4,343	739	1,088	295	206	3,745	5,651
Cases compounded	24	28	7,777	5,708	2,342	2,082	830	610	10,973	8,428
Cases undetected	691	969	248	190	24	15	15	4	978	1,178
Total	735	1,011	10,716	10,241	8,105	3,185	1,140	820	15,696	15,257
UNRESERVES.										
Cases taken to Court	29	66	693	1,499	26	297	53	105	801	1,967
Cases compounded	136	75	6,946	6,166	88	628	541	554	6,711	7,423
Cases undetected	1	82	129	112	5	..	2	7	137	151
Total	166	173	6,768	7,777	119	925	596	666	7,649	9,541
TOTAL RESERVES AND UNRESERVES.										
Cases taken to Court	49	80	3,384	5,842	765	1,385	318	311	4,546	7,618
Cases compounded	160	103	13,723	11,874	2,430	2,710	1,371	1,164	17,684	15,851
Cases undetected	692	1,001	377	802	29	15	17	11	1,115	1,329
Grand Total	901	1,184	17,484	18,018	3,224	4,110	1,736	1,486	23,345	24,798

In the case of Reserved Forests, there was no appreciable difference in the total number of offences reported. There was an appreciable increase (37.5 per cent) under fire owing to the unusually severe hot weather and to incendiarism by graziers.

98. Of the 5,556 cases from Reserved Forests, which were disposed of by the magistrates, in 3,478 cases the accused paid the compounding fees in court at the last moment and the balance of 2,078 cases proceeded to trial. Of these conviction was secured in 1,873 cases, the percentage of conviction being 90.

99. A sum of Rs. 1,93,077 was realized as compounding fees against Rs. 1,99,238 in the previous year. The average compounding fee for each case was Rs. 14-7-1 and for each accused Rupees 7-4-9 as compared with Rs. 12-14-6 and Rs. 6-12-8, respectively, in the previous year.

100. Investigation by District Forest Officers and Range Officers into cases of forest offences was on the whole slightly better than in the previous years, but there is still considerable room for improvement. The District Forest Officers of Ganjam and South Coimbatore held no enquiries at all. Investigation by Range Officers was unsatisfactory in Guntur, Nellore, Anantapur, Vellore, Central Salem, Madura, Tinnevely and the Nilgiris. A certain number of cases of sandalwood theft were detected in the Second, Fourth, Fifth and Sixth Circles.

101. It is satisfactory to be able to record that the Railway and Police officials continued to render valuable assistance in connexion with sandalwood offences and that they were granted liberal rewards. It is also noted that subordinates who acted with courage and honesty as well as members of the public who co-operated in the detection of important forest cases have been rewarded.

102. Proposals for the improvement of the existing sandalwood transit rules are still under the consideration of Government.

103. Surprise inspections and special secret patrols were arranged in all circles with satisfactory results, particularly in the Second Circle.

(x) PROTECTION FROM FIRE.

104. Early-burning was carried out in the Second, Fifth and Sixth Circles. The total area dealt with under this system was about 922 square miles, the recorded expenditure being Rs. 3,840 or Rs. 4-2-1 per square mile. Eleven square miles were subsequently burnt, that is to say, were burnt twice. It is presumed that the instructions given in the previous year's report, namely, that early-burning should be restricted to areas in which the operation can be properly controlled, are being followed.

105. The area over which special fire protection was attempted was 4,108 square miles, of which 372 square miles (9.05 per cent) were burnt subsequently by forest fires, the corresponding figures for the previous year being 4,186 square miles, 349 square miles and 8.3 per cent respectively. The bulk of the damage by fire was, as usual, in the First Circle, the percentage of the area burnt being 20 against 18 in the previous year. About 286 square miles were burnt of which not less than 101 square miles were in Nugur range of Upper Godavari. The expenditure on special protection during the year was Rs. 31,415 or Rs. 7-10-0 per square mile as against Rs. 34,346 or Rs. 8 per square mile in the preceding year.

106. Rewards amounting to Rs. 1,529 (as against Rs. 3,214 in the previous year) were distributed to the Khonds in Ganjam, to the Koyas and Reddis of Upper Godavari and to the settlers in the Peddapur Agency in Lower Godavari for assistance given in fire-protection.

107. As stated in the previous year's report, the practice of closing to grazing areas which have been burnt is not followed to the extent to which it should be. Considering the number of forest fires that are known to have occurred during the year, the number of cases in which closure to grazing has been reported is very few. There has been more than one case in which proposals for closure made by forest officers have been vetoed, owing to a feeling that inconvenience would be caused to the cattle-owners. It is felt strongly that the temporary inconvenience of a portion of the community held jointly responsible for damaging its own interests should not stand in the way of exercising the right of closure and this feeling has been brought to the notice of Government.

(xi) PROTECTION AGAINST INJURIES FROM NATURAL CAUSES.

108. In the Nilambur division, damage by teak defoliators continued and a special duty forester was employed for the collection of statistical data. The problem is being investigated by the Forest Entomologist, Dehra Dun.

109. Bison caused damage to young sandal trees in sandalwood areas in the Fourth Circle.

Pigs continued to cause damage to young teak plantations in the Wynaad division. They also caused some damage in a small plantation of the second rotation in Amarampalam Reserved Forest.

Sambhur did a great deal of damage to young teak in Kalakad and Mundanthorai (Tinnevely). Deer together with grazing animals destroyed completely all sandal regeneration not protected by thorny bushes in the sandalwood areas of Sigur range.

Elephants continued to do considerable damage to teak in Vannathiparai (Madura), in the Alagarkoil Valley (Tinnevely), in some of the Mount Stuart plantations (South Coimbatore), in some of the young plantations in Amarampalam range (Nilambur) and in the Mudumalai range (the Nilgiris).

110. In South Cuddapah, *Strobilanthes* was uprooted by the subordinates and in Tinnevely, by contractors while working fuel coupes.

The destruction of prickly-pear by the cochineal insect was tried in the Guntur and Nellore divisions and in all divisions of the Fourth and Fifth Circles with success. It is considered that the introduction of this insect to Reserved Forest should be made with discretion. In certain localities the appearance of prickly-pear indicates the first step taken by Nature to restore an area ruined by man and his activities. Broadly speaking, Nature's efforts should only be frustrated when there is a definite expectation that something better than prickly-pear will take its place either naturally or with the help of artificial sowing or planting.

111. Spike disease in sandal trees was found to be spreading in the Yelagiris of the Vellore division and in the Kollimalais and Pachamalais of the South Salem division. Fresh attacks of spike were noticed near Bailur in Kollegal. In the Sigur range, the disease which broke out in 1928 continued to spread. The Indian Institute of Science, Bangalore, with the assistance of local officers, continued to investigate the cause of this disease and investigation on the entomological side was carried on by the Forest Research Institute. No practical conclusions have yet been reached with regard to the extermination of spike.

(xii) FOREST PANCHAYATS.

112. The working of the Reserved Forests handed over to panchayat management is reported on by the Board of Revenue in whom their management is vested. All the forests classified as fit for that purpose have been handed over to panchayats, the total area being 3,341 square miles.

In South Salem, an area of 729 acres in Mallur Reserve, which was originally placed in class III, was permanently retransferred to class I and resumed by the Forest Department as it contains a good growth of sandal and as the panchayat was unable to protect it efficiently. Eight Eastern Nallamalai blocks in Kurnool East were resumed by the Forest Department on the ground that they formed part and parcel of the Eastern Nallamalais. Karapet Reserved Forest in Chittoor which was originally placed in class III was retransferred to class I and was resumed by the

Forest Department as the panchayat refused to continue its management, and Chennupalle Reserved Forest in Cuddapah North had to be resumed as no panchayat could be formed for it. In Nellore, the Forest Department resumed control over the Tirumalapadu Reserved Forest as the ryots adjoining the reserve objected to its management by panchayat.

113. The Forest Village system was confined to South Kanara and worked satisfactorily in North Mangalore. In South Mangalore, the only panchayat which was in existence did not work well and had to be dissolved. Earnest efforts were made by the District Forest Officers to form panchayats in South Kanara, but the villagers refused the offer on trivial grounds. The disinclination of the people to form fresh panchayats is obviously due to the fact that the people feel assured that Government will not withdraw the forest concessions which amply cater for most of their agricultural requirements and naturally they do not wish to be saddled with the obligations imposed by the formation of panchayats. In fact, as already stated in the previous year's report, the formation of panchayats will be impossible so long as the people are able to indent freely upon the forests for their principal wants without being fettered by any obligations.

(xiii) FOREST COLLEGE.

114. Mr. J. C. Wrench continued as Principal of the College throughout the year. Sixteen students passed out in 1931; of these, six were from the Central Provinces, two from Bombay, two from the Nizam's Dominions, two from Indore State, two from Rewa State, one from Bonai State and one from Bamra State. No student obtained Honours, but all students secured Higher Standard certificates. The examination results were satisfactory. No Government students were deputed either for the 1930-32 course or for the 1931-33 course. For the latter course ten Government students were recommended for training to meet the requirements of the department. Government, however, were not pleased to sanction the proposal, pending an investigation of the College affairs by the Retrenchment Committee. The result of this is expected to be a shortage of trained men in the near future, which will prove a very great handicap to the forest administration.

(xiv) VERNACULAR TRAINING SCHOOLS.

115. During the year only one Vernacular Training School was held and that was at Palghat in the Sixth Circle. Three subordinates from the Fourth Circle and 10 from the Fifth Circle were trained at the school.

(xv) FINANCE.

116. The total revenue, excluding the results of Government commercial undertakings, amounted to Rs. 45.24 lakhs and the total expenditure to Rs. 42.76 lakhs. The cash surplus was thus 2.48 lakhs. Adding the net profits on the commercial undertakings (1.82 lakhs), the surplus is Rs. 4.30 lakhs, as compared with Rs. 15.35 lakhs in the previous year, 13.86 lakhs in 1928-29 and Rs. 3.37 lakhs in 1927-28.

117. There was a decrease of Rs. 5.49 lakhs in the revenue from sandalwood due to a marked decline in price on account of trade depression—this was already forecasted in paragraph 9 of the previous year's report. The total revenue from forest produce removed by Government agency decreased by Rs. 6.50 lakhs. Apart from sandalwood, there was a decrease under timber (0.72 lakh) due to the slump in the timber market. The revenue from produce removed by consumers and purchasers decreased by 5.28 lakhs due to want of demand and lower prices realized for bamboo coupes, Tangedu and Rela barks, Nux vomica and other items of minor forest produce. There was also a decrease of 0.40 lakh in grazing revenue due partly to the smaller number of cattle grazed during the year as a result of cattle mortality by epidemic diseases and partly to the non-sale of some kanchas in Nellore.

118. Expenditure on works decreased by 1.94 lakhs principally on account of the withdrawal of part of the working capital of the Mount Stuart and Nilambur commercial concerns and the abandonment or postponement of works on account of financial stringency. There was a decrease of 0.85 lakh on pay and allowances due to further retrenchment by the abolition of the posts of Chief Forest Engineer and the Deputy Forest Utilization Officer with effect from 28th May 1930 and 1st October 1930 respectively.

119. The following trading account exhibits the financial position of the department for the year and shows the net profit to be 3.11 lakhs:—

I. Trading Account.

	LAKHS. RS.		LAKHS. RS.
Value of timber, etc., in depots on 31st March 1930.	5.05	Value of timber, etc., in depots on 1st April 1931.	8.43
Value of tools and plant on 31st March 1930.	9.74	Value of tools and plant on 1st April 1931.	10.45
Revenue outstandings on 31st March 1930.	11.92	Revenue outstandings on 1st April 1931.	7.87
Working expenditure of the year (excluding capital expenditure).	41.46	Revenue of the year	45.24
Good debts (advances) on 31st March 1930.	0.27	Profits on commercial undertakings (as below).	1.82
Gross profit	5.62	Good debts (advances) on 1st April 1931.	0.25
Total ..	74.06	Total ..	74.06

II. Interest.

	LAKHS. RS.
(1) Capital expenditure up to the end of 1929-30 (excluding commercial concerns)	35.27
Capital expenditure during 1930-31	1.30
	36.57
(2) Interest on capital expenditure during 1930-31 at 5.44 per cent	1.9

III. Depreciation.

(3) Depreciation on tools and plant at 5 per cent	0.52
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IV. Profit and Loss Account.

Gross profit as per Table I	5.62
Deduct interest and depreciation (1.99 plus 0.52)	2.51
Net profit	3.11

120. The financial results of the year's working of the commercial concerns of Mount Stuart and Nilambur were—

	RS.
Mount Stuart	3,704
Nilambur	1,85,509

Together the two concerns showed a profit of Rs. 1.82 lakhs.

121. No credit is taken for free grants of grazing and other produce (0.66 lakh) or on account of the protection of irrigation sources and other national interests. On the other hand, general pension charges, the cost of stationery and other small items are omitted from the account.

(xvi) GENERAL.

122. As usual the Forest Department continued to protect the jungle tribes by providing them with work for their livelihood and by granting them lands rent-free for cultivation on annual leases in some districts, notably in North Coimbatore, Palghat and Wynaad, in return for the protection of forests. They are employed on various kinds of forest work suited to them and are paid fairly. Generally, with the progress made in providing them with work and with lands for cultivation, their tendency towards shifting (Podu or Ponakad) cultivation has been gradually diminishing. Nowadays it is possible, in some places, to combine the raising of plantations of trees with this form of temporary cultivation to the mutual advantage of the jungle tribes and the forests.

123. The Khonds of Ganjam continued to be on good terms with the department. The Koyas and Reddis of Upper Godavari and the hill tribes of Lower Godavari were employed on departmental works and were granted rewards for successful fire protection. In Nellore the Yenadis of Sriharikota were as usual

employed on the collection of minor forest produce. In addition to their wages, they were granted rewards in the shape of money, cloth and rice. With a view to prevent them squandering their savings, they were persuaded to invest them in the Post Office Savings Bank and to withdraw them only in times of real need and with the permission of the District Forest Officer. The Yenadis readily agreed to this arrangement, which has been working well. Government have been addressed to regularize the system.

124. The reclamation and administration of the Chenchus of Kurnool was carried on by the special organization under the control of the Collector. The Chenchus continued to enjoy certain forest concessions granted at the time of the original Forest Settlement. They were employed by the Forest Department in various kinds of forest operations and also by contractors. Some of them were employed as headmen of Chenchu gudems, as forest guards, watchers and Chenchu schoolmasters.

A sum of Rs. 28,635 was spent on the reclamation of the Chenchus against Rs. 26,922 in the previous year. On the whole, they are slowly developing an inclination to adopt peaceful and settled habits, although they have made no appreciable progress in agriculture. There were three industrial schools at the commencement of the year, but they had to be closed during the year, as they were not attended by a sufficient number of boys. There were twenty schools including a girls' school and five scholarships were granted to deserving boys. Their health was generally satisfactory except for sporadic outbreaks of cholera and smallpox. Venereal disease, which has all along been a curse amongst the Chenchus, has been treated by Salvarson injections with markedly successful results.

125. The Land Revenue administration of the Malayali villages on the Javadis by the District Forest Officer was carried on successfully as in the past.

The Hill Village system continued in force in the hill villages on the Javadis in the Vellore division and in the Chitteris in Central Salem division. Refunds of grazing fees for satisfactory protection of Reserves and maintenance of Reserve boundary lines and special rewards for protection of Reserves from fire were granted. In Central Salem the system has not worked satisfactorily in three out of eight reserves and the refund of grazing fees was therefore withheld.

In South Salem the co-operation of the Malayalis on the Kollimalais and Pachamalais was enlisted under the Fire Reward system and they supplied labour for departmental works on the hills and protected the forests from fires.

126. The Kudubis in North Mangalore provided labour for fire protection and the manufacture of cutch as in previous years. The Kurumbars in the Wynaad, the Nilgiris and Palghat, the Kasubas in the Nilgiris, the Irulars in the Nilgiris and Palghat and the Sholagas of North Coimbatore also supplied labour to the department and were given lands for cultivation when this was found desirable. The Marattis and Malebudris continue to practise shifting cultivation in the unreserves of Kasaragod taluk, but their activities in this respect are decreasing. The Puliyaans in Madura were utilized in connexion with the cultivation of lac. In Tinnevely, arrangements have been made to lease land to form a Kani settlement in the neighbourhood of Kannikatti.

127. The health of the subordinate executive staff was as usual bad in the Agency tracts and in the Sriharikota range in Nellore. Two Foresters, two Forest Guards and three watchers died of malaria in the First Circle. In the Second Circle the health of the staff suffered much from malaria in all the hill tracts of the Kurnool district and in the Palakondas and Nallamalais of North Cuddapah. In this circle three Foresters and two Forest Guards died of malaria. In the Third Circle the staff suffered less from malaria than previously owing to careful anti-malarial measures taken by the superior staff. In the Fourth Circle malaria was virulent in the hill tracts and three Foresters, and two Guards and three watchmen died of it. In the Fifth Circle two Guards died of malaria in Kollegal. Special anti-malarial measures were taken at Topslip in South Coimbatore. In the Sixth Circle the health of the staff suffered much on account of malaria which claimed two victims in Wynaad. Throughout the Presidency the clearing of growth around all forest stations and rest-houses was insisted upon with a view to improving the general sanitary condition and allowing a free circulation of air. The need for reducing the number of mosquito-breeding places was not lost sight of but the fight against malaria, in centres of forest work which are constantly changing, is necessarily an uphill one.

Three Forest Guards and two watchers were murdered when discharging their duties.

128. The relationship between the Forest and Revenue Departments was friendly and cordial throughout the Presidency.

129. The Chief Conservator wishes to record his appreciation of the loyal support received from all ranks of the service. In spite of the difficult times through which the Forest Department in common with all others has been passing, he has noticed no flagging in the interest taken in the work by all ranks.

A. WIMBUSH,
Acting Chief Conservator of Forests.

APPEN

APPENDIX A.—Comparative statement of number and origin

District.	C. Fires beginning inside the											
	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		Owing to carelessness or accident.							
					By workmen engaged in the forests or by purchasers of forest produce and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<i>First Circle.</i>												
Ganjam ..	1	30	32	20,676	2	5	35	10,900	..	..	..	..
Vizagapatam ..	..	..	9	3,026	5	1,475	19	5,056	..	..	..	..
Godavari, Upper.	1	2	11	16,236	1	5,523	17	32,218	..	..	..	..
Do. Lower.	..	..	1	1	14	1,353	26	2,377	..	..	..	..
Guntur ..	..	..	..	..	2	1	17	862	..	..	..	..
Nellore ..	..	..	3	160	8	1,310	8	2,336	..	..	..	..
Total ..	2	32	56	40,090	32	9,667	122	53,749	..	..	..	..
<i>Second Circle.</i>												
Anantapur ..	..	..	..	..	5	2,300	9	2,093	5	1,750	..	..
Kurnool, East ..	..	..	..	..	3	255	3	1,250	..	..	..	..
Do. South ..	1	1	..	..	..	..	5	1,425	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..
Cuddapah, North.	..	..	11	15,215	1	940	10	4,689	..	..	..	..
Do. South.	1	4	2	540	15	3,366	13	1,348	..	..	..	..
Total ..	2	5	13	15,755	24	6,861	40	10,805	5	1,750	..	..
<i>Fourth Circle.</i>												
Chittoor ..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore ..	..	..	1	844	..	..	4	80	..	..	10	274
Salem, North ..	..	..	10	4,380	..	..	6	908	..	..	..	..
Do. Central ..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	11	5,224	..	..	10	988	..	..	10	274
<i>Fifth Circle.</i>												
Kollegal ..	..	..	8	3,150	3	450	11	2,165	..	..	..	..
North Coimbatore	..	..	3	2,140	..	..	44	4,399	..	..	..	..
South do.	4	176	1	100	2	94	11	456	..	..	..	..
Madura ..	3	2,505	7	356	1	80	7	162	..	..	..	..
Tinnevely ..	..	..	26	2,346	1	2	..	..	..	..	4	153
Total ..	7	2,681	45	8,092	7	626	73	7,182	..	..	4	153

NOTE.—One case of setting fire for the purpose of turning out game (catching lizard), noted in column 16

DICES.

of fires that occurred during the calendar year 1930.

reserves or fire-traced areas.												Total of A, B and C and causes unknown.	
By intentional firing.						Total of C.		Causes unknown.					
In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.									
Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.		
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)		
4	781	..	..	..	..	41	11,686	35	27,982	109	60,374		
2	730	..	..	..	..	26	7,261	..	..	35	10,287		
6	27,664	22	77,130	4	493	50	143,028	5	3,710	67	162,976		
..	..	..	..	..	..	40	3,730	35	3,613	76	7,344		
..	..	1	1	..	..	20	864	7	2,025	27	2,889		
3	420	..	..	1	60	20	4,126	2	185	25	4,471		
15	23,595	23	77,131	5	553	197	170,695	84	37,515	339	248,341		
1	30	..	..	..	..	20	6,173	4	1,975	24	8,148		
..	..	..	..	1	232	1	232	..	..	1	232		
2	250	..	..	..	..	8	1,755	..	..	9	1,756		
6	443	2	70	..	..	13	1,938	1	500	14	2,438		
17	18,095	..	..	33	26,675	61	50,399	4	950	76	65,564		
20	8,939	2	391	14	2,599	64	16,643	11	6,689	78	23,876		
46	27,757	4	461	48	23,506	167	77,140	20	10,144	202	103,014		
32	1,600	..	..	..	..	32	1,600	19	3,180	51	4,780		
76	3,539	..	..	1	220	91	4,113	7	130	99	5,087		
..	..	..	..	..	..	6	908	51	22,663	67	27,961		
..	..	..	..	..	..	..	..	40	2,503	40	2,503		
..	..	..	..	..	..	..	..	55	1,377	55	1,377		
108	5,139	..	..	1	220	129	6,621	172	29,853	312	41,638		
26	21,172	..	..	1	85	41	23,872	41	17,080	90	44,102		
23	4,909	..	..	1	10	68	9,318	67	8,185	138	19,643		
10	241	1	3	1	10	25	804	3	269	33	1,349		
26	1,262	..	..	..	..	34	1,504	90	3,564	134	7,929		
14	1,168	..	..	23	1,698	42	3,021	11	1,409	79	6,776		
99	28,752	1	3	26	1,803	210	38,519	212	30,507	474	79,799		

of Cuddapah South division has been detected and compounded for Rs. 10.

Appendix A.—Comparative statement of number and origin

District.	A. Fires caused by accident or through carelessness in burning fire lines.		B. Fires entering forests by crossing exterior fire lines.		C. Fires beginning inside the							
					Owing to carelessness or accident.							
					By workmen engaged in the forests or by purchasers of forest produce and by hay-cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lighting or by fire balloons.	
	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
<i>Sixth Circle.</i>												
Mangalore, North ..	..	..	8	102	2	123	29	970	..	..	..	..
Mangalore, South ..	10	185	16	455	..	..	15	421	..	..	..	..
Wynaad ..	..	..	4	3,490	..	..	4	228	..	..	..	..
Nilambur ..	1	1	3	27	..	..	1	1	..	..	..	..
The Nilgiris ..	..	..	1	1,200	..	..	11	4,440	1	234	..	..
Palghat ..	1	25	2	908	5	416	2	100	..	..	..	..
Total ..	12	211	34	6,182	7	539	62	6,160	1	234	..	..
Parlakimedi Maliahs ..	..	..	..	..	..	..	6	631	..	..	..	..
Grand Total, Presidency ..	23	2,929	159	75,352	70	17,693	313	79,515	6	1,984	14	427

of fires that occurred during the calendar year 1930—cont.

reserves or fire-traced areas.								Causes unknown.		Total of A, B and C and causes unknown.	
By intentional firing.						Total of C.					
In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.							
Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.	Number of fires.	Area burnt in acres.
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)
6	1,278	1	20	1	20	39	2,411	11	539	58	3,052
..	..	3	225	1	50	19	696	45	1,852	90	3,188
..	..	..	..	1	300	5	528	19	4,793	28	8,811
..	..	..	..	..	..	1	1	1	2	6	31
1	200	..	..	1	200	14	5,074	45	3,135	60	9,459
6	2,045	..	..	1	4	14	2,565	28	2,128	45	5,626
13	3,523	4	245	5	574	92	11,275	149	12,499	287	30,167
..	..	..	..	..	..	6	631	26	4,715	22	5,347
281	90,766	32	77,840	85	32,656	801	304,881	663	125,203	1,646	508,366

APPENDIX B.—Comparative statement of impounded cattle during 1930-31.

District.	Number of cattle impounded.		Average for three years ending 1929-30.
	1929-30.	1930-31.	
<i>First Circle.</i>			
Ganjam	2,009	1,036	2,246
Vizagapatam	149	166	383
Godavari, Upper	216	555	380
Do. Lower	985	1,459	1,195
Guntur	5,991	3,565	5,567
Nellore	1,890	1,513	2,227
Total ..	11,240	8,294	11,998
<i>Second Circle.</i>			
Anantapur	6,283	7,265	7,682
Kurnool, East	1,994	3,923	2,473
Do. South	9,472	6,156	5,972
Do. West	5,435	3,889	6,401
Cuddapah, North	2,664	3,035	2,919
Do. South	2,636	4,082	2,606
Total ..	28,484	28,350	28,053
<i>Fourth Circle.</i>			
Chittoor	2,427	2,534	2,345
Vellore	4,735	4,978	5,845
Salem, North	1,522	1,188	1,497
Do. Central	1,592	2,101	2,678
Do. South	1,793	773	1,123
Total ..	12,069	11,574	13,488
<i>Fifth Circle.</i>			
Kollegal	2,004	1,796	2,708
Coimbatore, North	969	3,311	2,152
Do. South	203	81	345
Madura	3,026	2,560	3,850
Tinnevely	1,187	1,706	1,455
Total ..	7,389	9,454	10,510
<i>Sixth Circle.</i>			
Mangalore, North	198	221	157
Do. South	165	285	263
Wynaad	137	156	162
Nilambur	31	23	283
The Nilgiris	332	601	675
Palghat	209	124	310
Total ..	1,072	1,410	1,850
Parlakimedi Maliahs ..	..	..	..
Grand Total, Presidency ..	60,254	59,082	65,899

ANNUAL FORM No. 25.

Forest Department, Madras Presidency.

Area of Reserved Forests and Reserved Lands during 1930-31.

ANNUAL
Forest Department,
Area of Reserved Forests and

Districts.	Area of Reserved Forests.					
	Area on 1st April 1930.		Added during the year.	Excluded during the year.	Area on 31st March 1931.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>First Circle.</i>						
Ganjam	400,122	625	..	(c) 79	400,043	625
Vizagapatam	196,547	307	..	..	196,547	307
Upper Godavari	531,394	830	..	(d) 181	531,213	830
Lower do.	363,450	568	(f) 4,224	(f) 2,225 } (g) 22 }	365,427	571
Guntur	578,786	904	..	..	578,786	904
Nellore	624,945	820	(h) 895	(i) 49,963	475,877	744
Total	2,595,244	4,054	5,119	52,470	2,547,893	3,981
<i>Second Circle.</i>						
Anantapur	1,147,056	1,792	(e) 348	(b) 899 (a) 383	1,146,122	1,791
Kurnool, East	620,743	970	(d) 4,938 (e) 4	(e) 75	625,610	978
Do. South	417,516	653	(e) 49,486	(d) 4,938	462,064	722
Do. West	604,021	944	..	..	604,021	944
Cuddapah, North	505,888	790	..	(b) 44	505,844	790
Do. South	440,978	689	..	..	440,978	689
Total	3,736,202	5,838	54,776	6,339	3,784,639	5,914

First Circle—

- (a) Leased forests.
 (b) Notified under section 26 of the Madras Forest Act.
 (c) Disforested in notification No. 289, dated 4th September 1930, page 1355, Part I, *Fort St. George Gazette*, dated 5th September 1930 (60 acres).
 Disforested in notification No. 308, dated 6th October 1930, page 1569, Part I, *Fort St. George Gazette*, dated 11th October 1930 (19 acres).
 (d) Disforested in notification No. 173, dated 29th May 1930, page 776, Part I, *Fort St. George Gazette*, dated 3rd June 1930 (106 acres).
 Disforested in notification No. 78, dated 4th March 1931, pages 374 and 375, Part I, *Fort St. George Gazette*, dated 10th March 1931 (75 acres).
 (e) Notified under section 4 of the Madras Forest Act.
 (f) Alteration due to correct areas of blocks furnished by the Director, S.C. Survey of India, Bangalore, as surveyed on 2-inch scale.
 (g) Disforested.
 (h) 26 acres due to the addition of the area of the Railway line in Kullurpad reserve originally omitted.
 869 acres due to the adoption of correct area of Balayapalli block, Udayagiri Range, Nellore district (vide G.O. Ms. No. 413, dated 23rd February 1931. Notification No. 115, *Fort St. George Gazette*, dated 3rd March 1931).
 (i) 201.67 acres due to adoption of correct area according to Collector's R.Dis. No. 6469/29, dated 12th July 1930.
 49.78 acres disforested in notification No. 113, dated 17th March 1930 (Tummalapenta North).
 10.00 acres disforested in notification No. 116, dated 14th April 1930 (Kullurpad Reserve).
 215.33 acres disforested in notification No. 275, dated 29th November 1930 (Kullurpad Reserve).
 49,486.13 acres due to transfer of Kanigiri Range to Kurnool South (vide G.O. No. 1962, Development, dated 11th November 1929, and G.O. Ms. No. 68, dated 10th January 1930).

FORM No. 25.

Madras Presidency.

Reserved Lands during 1930-31.

Area of Reserved Lands.						Total area of Reserved Forests and Reserved Lands in square miles.
Area on 1st April 1930.		Added during the year.	Excluded during the year.	Area on 31st March 1931.		
Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)
(a) 1,313 (b) 14 488 6,965 (b) 381 ..	2 .. 1 11 1 ..	 (e) 11,365 (f) 282 (e) 18,717 .. ..	.. .. .. .. .. ..	.. (a) 1,313 (b) 14 11,853 25,964 (b) 381 ..	.. 2 19 40 1 ..	625 309 849 611 905 744
9,161	15	30,364	..	39,525	62	4,043
..	..	(f) 19,499	..	19,499	30	1,821
..	..	..	..	..	..	978
..	..	..	..	..	..	722
..	..	(f) 1,863	..	1,863	3	947
..	..	..	..	..	..	790
..	..	..	..	..	..	689
..	..	21,362	..	21,362	33	5,947

Second Circle—

- (a) Areas disafforested under section 24 of the Forest Act.
 (b) Decrease in areas of certain Reserves due to the adoption of resettlement figures.
 (c) The difference is due to the rectification of errors in the extents as per accounts in force with those shown in Survey of India maps.
 (d) 4,938 acres of Cumbum Reserved Forest were transferred from Kurnool South Division to Kurnool East Division in G.O. Ms. No. 1962, Development, dated 11th November 1929.
 (e) Whole of Kanigiri Range of Nellore division was transferred from 1st April 1930 to Kurnool South Division of this circle in G.O. Ms. No. 1962, Development, dated 11th November 1929.
 (f) Areas declared as "Reserved Lands" by the respective Collectors of Anantapur, Cuddapah and Kurnool under section 26 of the Forest Act and leased out for panchayat management.

Area of Reserved Forests and

District.	Area of Reserved Forests.					
	Area on 1st April 1930.		Added during the year.	Excluded during the year.	Area on 31st March 1931.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>Fourth Circle.</i>						
Chittoor ..	503,261	786	..	..	503,261	786
Vellore ..	714,366	1,116	..	(a) 175	714,191	1,116
Salem, North ..	369,686	578	..	..	369,686	578
Do. Central ..	604,504	945	..	(b) 765	603,739	943
Do. South ..	263,339	411	(c) 136	(d) 284	263,191	411
Total ..	2,455,156	3,836	136	1,224	2,454,068	3,834
<i>Fifth Circle.</i>						
Kollegal ..	605,830	917	..	..	(a) 605,830	917
Coimbatore, North ..	558,100	872	..	..	(b) 558,100	872
Do. South ..	250,508	(c) 391	..	..	(d) 250,508	391
Madura ..	437,579	684	..	(e) 334	(f) 437,245	683
Tinnevely ..	267,156	417	..	..	(g) 267,156	417
Tanjore ..	6,468	10	..	..	(h) 6,468	10
Total ..	2,125,641	3,321	..	334	2,125,307	3,320
<i>Sixth Circle.</i>						
Mangalore, North ..	229,896	359	..	..	229,896	359
Do. South ..	280,558	438	..	..	280,558	438
Wynaad ..	168,111	263	..	..	168,111	263
Nilambur ..	68,822	108	..	..	68,822	108
Palghat ..	167,898	262	..	..	167,898	262
The Nilgiris ..	309,763	484	..	(a) 20-10 ⁴	309,743	484
Total ..	1,225,048	1,914	..	20-10 ⁴	1,225,028	1,914
Parlakimedi Maliahs.	..	..	..	..	..	..
Grand Total, Presidency ..	12,137,291	18,963	60,031	60,387	12,136,935	18,963

Fourth Circle—

- (a) Area disreserved in Ambur Reserved Forest Notification No. 388, dated 17th December 1930.
 (b) Disreserved 551 acres in Mallapuram Reserved Forest under Notification No. 113, dated 10th April 1930, and Notification No. 46, dated 5th February 1931, and 214 acres in Pallipatti Reserved Forest under Notification No. 311, dated 11th October 1930.
 (c) 136 acres added to Yedumalai Reserved Forest being the correct area reported in Collector's D. Dis. No. 6437/30, dated 26th November 1930.
 (d) 284-31 acres deducted from Sengathupatti Extension Reserved Forest due to the correct area furnished by the Director of Survey, Madras.

Fifth Circle—

- (a) Includes 6,522 acres of Pachaipalimulai reserve in Mettur taluk of Salem district.
 (b) Do. 20,644 acres of Palamalai and additions in Mettur taluk of Salem district and 25,702 acres of ryots' forests.
 (c) Do. 27 square miles of Tekadi leased forests.
 (d) Do. 3,470 acres of ryots' forests.
 (e) Disreservation.
 (f) Includes 23,739 acres of ryots' forests.
 (g) Do. 6,578 do.
 (h) Do. 2,823 do.
 (i) Area notified under rule 5, section 26 of the Forest Act.

Reserved Lands during 1930-31—cont.

Area of Reserved Lands.						Total area of reserved forests and reserved lands in square miles.
Area on 1st April 1930.		Added during the year.	Excluded during the year.	Area on 31st March 1931.		
Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)
70	0-01	..	..	70	0-01	786
3,790	6	..	..	3,790	6	1,116
19,302	30	..	..	19,302	30	578
23,162	36	..	..	23,162	36	949
						441
						3,870
..	..	..	..	..	..	947
..	..	..	..	..	..	872
..	..	..	..	..	..	391
..	..	7	..	7	..	683
(i) 5,992	9	..	..	5,992	9-01	417
5,992	9	7	..	5,992	9	19
						3,329
5,960	9	..	..	5,960	9	359
22	..	..	..	22	..	447
11,510	18	..	..	11,510	18	263
1,210	2	..	..	1,210	2	126
{ * 2,865	* 5	..	..	* 2,865	* 5 }	262
						491
21,567	34	..	..	21,567	34	1,948
112,895	176	..	..	112,895	176	176
172,777	270	51,733	..	224,510	350	19,313

Sixth Circle—

- * Todapatta lands.
 (a) Disforested under section 24 of the Act.

APPENDIX TO FORM No. 25.

Statement showing the areas according to the final reclassification
for the year 1930-31.

Name of forest division.	Class I or depart- mental forests.	Class III or ryots' forests	Total.
<i>First Circle.</i>			
Ganjam	SQ. MLS. 625	SQ. MLS. ..	SQ. MLS. 625
Vizagapatam	274	33	307
Godavari Upper	830	..	830
Do. Lower	491	80	571
Guntur	612	292	904
Nellore	372	372	744
Total ..	3,204	777	3,981
<i>Second Circle.</i>			
Anantapur	(a) 576	1,215	1,791
Kurnool, East	945	33	978
Do. South	665	57	722
Do. West	854	90	944
Cuddapah, North	758	32	790
Do. South	671	18	689
Total ..	4,469	1,445	5,914
<i>Fourth Circle.</i>			
Chittoor	578	208	786
Nellore	706	410	1,116
Salem, North	567	11	578
Do. Central	713	230	943
Do. South	256	155	411
Total ..	2,820	1,014	3,834
<i>Fifth Circle.</i>			
Kollegal	947	..	947
Coimbatore, North	832	40	872
Do. South	(b) 386	5	391
Madura	647	37	683
		(c) 334 acres.	..
Tinnevely	407	10	417
Tanjore	6	4	10
Total ..	3,225	95	3,320
<i>Sixth Circle.</i>			
Mangalore, North	359	..	359
Do. South	438	..	438
Wynaad	263	..	263
Nilambur	108	..	108
Palghat	252	10	262
The Nilgiris	484	..	484
Total ..	1,904	10	1,914
Grand Total, Presidency ..	15,622	3,341	18,963

Note.—(a) Includes 5.46 square miles of Adoni, East, and addition and Adoni, West, Block B and addition leased to Adoni municipality.

(b) Includes 27 square miles of Tekkadi Leased Forests.

(c) Disreservation.

ANNUAL FORM No. 26.

Forest Department, Madras Presidency.

Progress made in Forest Settlements during the year 1930-31.

ANNUAL FORM No. 26.
Forest Department, Madras Presidency.

Progress made in Forest Settlements during the year 1930-31.

Name of forest division.	Name of forest.	Area in square miles.			Cost during the year.		Entire cost per square mile of the area finally settled.	Government notification, of settlement.
		Finally settled during the year.	In hand at the commencement of the year.	Taken in hand during the year.	In forest accounts.	In other accounts.		
Godavari Upper.	<i>First Circle.</i>	Bepaka Extension	..	..	5.03	..	..	..
		Maddigudem block	..	..	2.09	..	..	..
		Palamadugu block	..	..	0.37	..	..	..
		Mattapalli Extension Block	..	..	0.64	..	..	..
		Walsugri Extension Block	..	..	9.23	..	..	..
		Venkatapuram Block	..	..	9.47	..	..	..
		Pedamidesileru Extension Block	..	..	..	..	..	..
		Bolagonda	..	6.49	..	..	..	..
		Banadapalli	..	4.82	..	..	..	..
		Vedula Konda	..	..	1.03	..	..	..
		Addathigala	..	..	3.14	..	..	..
		Duchseti	..	..	9.58	..	..	..
		Velamalakota	..	..	2.80	..	..	..
		Musurumille	..	..	4.08	..	..	..
Godavari Lower	<i>Second Circle.</i>	Sittapalli	..	..	2.34	..	..	..
		Italapadu	..	..	0.90	..	..	..
		Kannaram	..	..	1.53	..	..	..
		Lakshimpuram	..	..	3.81	..	..	..
		Total	..	12.07	46.94	..	..	..
Anantapur .. Kurnool East .. Do. South .. Do. West .. Cuddapah North .. Do. South ..		..	..	..	Nil.	..	..	
		..	..	..	Nil.	..	..	
		..	..	..	Nil.	..	..	
		..	..	..	Nil.	..	..	
		..	..	..	Nil.	..	..	
		..	..	..	Nil.	..	..	
Total		..	..	..	..	..	..	
		..	..	..	..	..	..	

[illegible]

• It has been decided by the Chief Conservator to issue section 4 notification afresh as the entire settlement records are not forthcoming. The survey of these blocks by the Survey of India Party is now in progress
+ The survey of these three blocks by the Madras Survey Party is in the final stage. These blocks will be taken up for settlement as soon as the final survey records are received from the Survey Department
Note.—There are no Forest Settlements during the year in the Second Circle.

ey records are received from the Survey Department

ANNUAL FORM No. 27.

Forest Department, Madras Presidency.

Record of demarcation and maintenance of boundaries, 1930-31.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>First Circle.</i>	M. F. CH.	M. F. CH.	MILES.	M. F. CH.	MILES.	MILES.	M. F. CH.	RS.	RS.
Ganjam ..	40 1 1	(a) 1,360 4 7	..	1,400 5 8	..	80	1,480 5 8	1,021	..
Visagapatam ..	..	(a) 459 0 0	..	459 0 0	..	19	478 0 0	..	..
Godavari, Upper ..	3 0 0	(a) 610 0 0	..	613 0 0	..	151	764 0 0	(b) 832	491
Do. Lower ..	126 0 0	(a) 1,093 0 0	..	1,219 0 0	..	81	1,300 0 0	3,043	1,014
Guntur ..	..	(a) 878 0 0	..	878 0 0	..	201	1,079 0 0	..	274
Nellore ..	..	(a) 414 0 0	..	414 0 0	..	124	538 0 0	(d) 205	..
Total ..	169 1 1	4,814 4 7	..	4,983 5 8	..	656	5,639 5 8	5,101	1,779
<i>Second Circle.</i>									
Anantapur ..	..	(a) 666 0 0	34	700 0 0	..	142	842 0 0	..	..
Kurnool, East ..	..	(b) 615 0 0	..	615 0 0	..	48	663 0 0	..	..
Transferred from Kurnool South division.	..	2 0 0	..	2 0 0	3	..	5 0 0	..	167
Kurnool South ..	..	(b) 545 0 0	55	600 0 0	..	5	605 0 0	..	84
Do. West ..	..	(b) 991 0 0	57	1,051 0 0	..	100	1,151 0 0	..	179
Cuddapah, North ..	..	(b) 499 0 0	265	761 0 0	..	13	777 0 0	..	29
Do. South ..	..	(a) 343 0 0	17	360 0 0	..	62	422 0 0	..	20
Total ..	..	3,664 0 0	428	4,092 0 0	3	370	4,465 0 0	..	479
<i>Fourth Circle.</i>	M. F. CH.	M. F. CH.	MILES.	M. F. CH.	MILES.	M. F. CH.	M. F. CH.	RS. A.	RS. A.
Chittoor ..	..	630 0 0	104	(a) 791 0 0	..	36 0 0	830 0 0	..	101 14
Vellore ..	1 7 4	1,670 0 0	..	1,671 7 4	..	39 0 0	1,710 7 4	..	137 0
Salem, North ..	6 4 0	780 5 0	..	787 1 0	..	70 4 0	857 5 0	123 14	130 3
Do. Central ..	..	1,059 7 4	..	1,059 7 4	..	17 6 4	1,077 5 8	233 8	881 5
Do. South ..	2 0 0	590 0 0	..	592 0 0	..	..	592 0 0	..	..
Total ..	10 3 4	4,790 4 4	104	4,904 7 8	..	163 2 4	5,068 2 2	357 6	1,250 6 4

- Notes for First Circle.*
- (a) Cleared by subordinates free of cost.
 - (b) Of this Rs. 798 represents cost of preliminary demarcation and survey and reclearance of boundaries of blocks proposed for reservation and the balance represents cost of demarcation of portions of Pedamidisilera and Nugur R.Fs. disreserved.
 - (c) Difference between the closing balance of last year and this figure represents extent of boundaries of Kanigiri range transferred to Kurnool South.
 - (d) Represents cost of widening 7 miles and 6 furlongs of existing boundaries and erecting stone pillars in Sathiavedu and Nagalapuram R.Fs.
 - (e) Revised figure adopted after actual measurement of the lines.
- Notes for Second Circle.*
- (a) Maintained by subordinates free of cost.
 - (b) Partly maintained by subordinates and partly on payment.
- Notes for Fourth Circle.*
- (a) The difference of one mile is due to rounding off.
 - (b) The decrease of 2 miles and 7 furlongs is due to disreservation in Central Salem division.

Record of demarcation and maintenance of boundaries, 1930-31—cont.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
<i>Fifth Circle.</i>	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Kollegal ..	12	376	..	388	55	152	595	317	..
Coimbatore, North ..	17	556	..	573	86	106	765	562	..
Do. South ..	..	178	42	220	..	72	292	..	(b) 219
Madura ..	17	887	359	1,263	177	171	1,611	1,670	..
Tinnevely ..	..	295	137	432	..	35	467	..	3
Total ..	46	(a) 2,292	538	2,876	318	536	3,730	2,549	222
<i>Sixth Circle.</i>									
Mangalore, North ..	..	(c) 40	(d) 1,186	1,226	..	103	1,329	..	(e) 254
Do. South ..	..	(c) 29	(d) 1,106	1,135	..	101	1,236	..	..
Wynad ..	(a) 8	(b) 54	1,142	1,204	..	36	1,240	487	437
Nilambur ..	..	(e) 101	..	101	14	55	170	..	..
The Nilgiris ..	(f) 1	(g) 433	1,111	1,545	..	315	1,860	90	1,766
Palghat ..	..	(h) 125	155	280	..	39	319	..	(j) 137
Total ..	9	782	4,700	5,491	14	649	6,154	577	2,593
Parlakimedi Maliaha.	..	504	..	504	..	24	529	..	..
Grand Total, Presidency.	234	16,847	5,770	22,851	335	2,398	25,586	8,584	6,323

- Note for Fifth Circle.*
- (a) Includes 2,275 miles cleared by subordinates free of cost.
 - (b) Excludes Rs. 40 spent by the Mount Stuart Commercial concern for clearing 10 miles of internal boundaries.
- Note for Sixth Circle.*
- (a) Demarcation of the reserve boundaries where the previous demarcation marks were not clear.
 - (b) Includes 27 miles cleared under 'Political', and 5 miles cleared free of cost by subordinates.
 - (c) Pertains to the clearing of lines under 'Political', Mysore-South Kanara boundary.
 - (d) Usual line clearing by subordinates free of cost.
 - (e) Clearing done in connexion with fire protection work.
 - (f) Increase of one mile is due to revision of boundaries necessitated by disforestation.
 - (g) Includes 192 miles cleared by subordinates free of cost.
 - (h) Clearing done at the time of fire protection work and by subordinates.
 - (i) Excludes the boundary line of ryots' forests under panchayat management.
 - (j) Expenditure on rectification of Thadagam Reserved Forest boundary.

ANNUAL FORM No. 28.

Forest Department, Madras Presidency.
Progress made in Working Plans during 1930-31.

District.	Areas for which Working Plans have been completed and approved by the Chief Conservator of Forests.		Areas for which Working Plans are being compiled or have been compiled but not sanctioned.		Areas for which Working Plans have still to be taken in hand.	Total forest area as per form 25.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
FIRST CIRCLE.						
<i>Reserved Forests.</i>						
Ganjam	625	..	..	..	..	625
Vizagapatam ..	219	..	..	..	88	307
Upper Godavari ..	..	..	..	..	830	830
Lower do. ..	393	..	..	..	178	571
Guntur	35	..	336	204	329	904
Nellore	80	..	39	..	625	744
Total ..	1,352	..	375	204	2,050	3,981
<i>Reserved Lands.</i>						
Vizagapatam ..	..	..	..	..	2	..
Upper Godavari ..	..	..	..	..	19	..
Lower do. ..	..	..	..	..	40	..
Guntur	..	..	..	..	1	..
Total ..	..	..	..	..	62	..
SECOND CIRCLE.						
Anantapur	(a) 576	..	..	..	(i) 1,215	1,791
Kurnool, East ..	886	(b) 8	..	..	(c) 51+(h) 33	978
Do. South ..	351	(d) 262	(e) 9	..	(f) 43+(i) 57	722
Do. West ..	..	..	(g) 854	..	(l) 90	944
Cuddapah, North ..	752	..	..	..	(h) 6+(j) 32	790
Do. South ..	113	..	(i) 558	..	(l) 18	689
Total ..	2,678	270	1,421	..	1,545	5,914

Note for Second Circle.

(a) Decrease due to disafforestation of 0.59 square mile in Moka plantation; exclusion of 0.85 square mile due to adoption of resettlement areas in Bellary district, transfer of 2.45 square miles of Adoni West Block A Reserved Forest to panchayat. This area includes also 5.48 square miles of Adoni East and West blocks leased to Adoni Municipality.

(b) This is the area of a portion of the Cumbum Reserved Forest which was transferred from Kurnool South to Kurnool East division with effect from 1st April 1930. This area was included in the Working Plan sanctioned for Kurnool East division already by the Chief Conservator of Forests in his Proceedings No. 230, Press, dated 4th July 1929, hence shown in column 3 of the statement.

(c) This 51 square miles comprise of the areas of 8 E.N. Blocks aggregating to 38 square miles retransferred from Class III to Class I during the year in B.P. Ms. No. 1783, dated 18th June 1930, and 13 square miles of E.N. Block V shown in last year's return.

(d) Working Plan for the Giddalore-Gundlakamma ranges sanctioned in Chief Conservator's Proceedings No. 306, Press, dated 4th June 1930.

(e) A tentative working scheme for 9 square miles in Nandyal Terai Block I (Gazulapalle) sanctioned by the Conservator is in force. This was by mistake included in column 5 last year.

(f) The whole of Kanigiri Range of Nellore division (i.e.), 39 square miles was transferred to Kurnool South division during the year and 4 square miles of Nandyal Terai Block II (Ernipad) which was wrongly included last year under column 5 is now excluded and shown in column 6 as no Working Plan is sanctioned for this area.

(g) Working Plans for whole of Nallamalais and Yerramalais are pending sanction with the Chief Conservator of Forests.

(h) The area of Chennupalle Reserved Forest retained under Class I as no panchayat is yet formed for it.

(i) Working Plan for this area is under preparation.

(l) Area of forest Reserves under panchayat management.

Progress made in Working Plans during 1930-31—cont.

District.	Areas for which Working Plans have been completed and approved by the Chief Conservator of Forests.		Areas for which Working Plans are being compiled or have been compiled but not sanctioned.		Areas for which Working Plans have still to be taken in hand.	Total forest area as per form 25.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SECOND CIRCLE—cont.						
<i>Unclassed forests.</i>						
Anantapur	(j) 1	..	..	..	..	..
Total ..	1	..	..	..	..	..
FOURTH CIRCLE.						
Chittoor	{ (a) 577 1	..	..	..	(b) 208	786
Vellore	{ (a) 541 189	..	165	..	(b) 221	1,116
Salem, North ..	{ (a) 141 5	..	217	..	{ 210 5	578
Do. Central ..	{ (a) 512 111	..	110	..	{ (b) 92 119	943
Do. South ..	{ (a) 211 38	..	44	..	(b) 118	411
Total ..	{ 1,982 (a) 344	..	536	..	{ 302 (b) 671	3,834
FIFTH CIRCLE.						
Kollegal	{ (a) 947 50	..	..	..	..	947
Coimbatore, North ..	{ (a) 267 212	..	..	..	{ (d) 40 303	872
Do. South ..	{ (a) 85 2	..	..	30	{ 269 (d) 5	391
Madura	368	..	17	..	{ 261 (d) 37	683
Tinnevely	{ (a) 287 (b) 17	..	..	..	{ 103 (d) 10	417
Tanjore	10	..	..	..	..	10
Total ..	2,245	..	17	30	1,028	3,320

Note for Second Circle.

(j) This is the area of Garega unreserves (i.e.) 0.54 square mile included in the sanctioned Working Plan of the division in Chief Conservator's Proceedings No. 42, Press, dated 28th January 1930, hence it is now shown separately under "unclassified forests" as no sections 4 and 16 have been published for this area nor has the Collector notified this area under "Reserved Lands" under the power vested in him as per section 26 of the Madras Forest Act.

Note for Fourth Circle.

(a) Ryots' forests.

(b) Ryots' forests—No Working Plans required.

(c) Areas of the consolidated Working Plans for Central and South Salem divisions as finally to be constituted.

508 square miles in column (4) includes 409 square miles out of 512 in column (2) and 71 square miles out of 110 in column (4) and 28 square miles for which there was no Working Plan before but ~~excludes~~ 63 square miles covered by the West Vellore Working Plan sanctioned in Chief Conservator's No. 316, Press, dated 10th November 1924, and 40 square miles of old Working Plans proposed to be transferred to other divisions shown in column (2).

286 square miles in column (4) includes figures 211 and 44 in columns (2) and (4) and besides 30 square miles of Reserved Lands.

Note for Fifth Circle.

(a) Area of temporary scheme sanctioned by Conservator.

(b) Area of lapsed scheme sanctioned by Chief Conservator under revision.

(c) Area of lapsed Working Plan for extraction of dead sandalwood trees.

(d) Area of ryots' forests.

Progress made in Working Plans during 1930-31—cont.

District.	Areas for which Working Plans have been completed and approved by the Chief Conservator of Forests.		Areas for which Working Plans are being compiled or have been compiled but not sanctioned.		Areas for which Working Plans have still to be taken in hand.	Total forest area as per form 25.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)
FIFTH CIRCLE—cont.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved Land—Nil.						
Unreserved Land—Nil.						
SIXTH CIRCLE.						
Reserved Forests.						
Mangalore, North ..	(a) 38	..	..	..	(g) 321	359
Do. South ..	(b) 7	..	(e) 431	..	..	438
Wynaad ..	158	..	105	..	..	263
Nilambur ..	108	..	..	..	..	108
The Nilgiris ..	159	..	..	..	325	484
Palghat ..	(d) 62	..	48	142	(e) 10	262
Total ..	532	..	584	142	656	1,914
Reserved Lands.						
Mangalore, South ..	..	..	..	..	9	..
The Nilgiris ..	..	..	..	..	(f) 7	..
Total ..	..	..	..	..	16	..
Leased Forests.						
Nilambur ..	18	..	..	..	..	..
Grand total ..	550	..	584	142	672	..
Grand total, Presidency—						
Reserved Forests.	9,132	270	2,933	376	6,252	18,963
Reserved Lands..	..	..	..	..	78	78
Unclassed Forests.	1	..	..	..	..	1
Leased Forests ..	18	..	..	..	..	18
Total ..	9,151	270	2,933	376	6,330	19,060

Notes for Sixth Circle.

- (a) Working scheme sanctioned for catechu area and for fuel areas.
 (b) This is covered by one Working Plan sanctioned by the Board of Revenue, two schemes sanctioned by Chief Conservator of Forests and one sanctioned by Conservator.
 (c) A regular Working Plan for the whole division is under preparation by the Working Plans Circle. The area shown in column (2) is also to be included in it.
 (d) Revised figure adopted.
 (e) Represents area under panchayat management and portions of Bolampatti Blocks I and II.
 (f) Toda patta lands and Badaga plantations scattered over the district.
 (g) Working Plans are under preparation by the Working Plans Branch.

ANNUAL FORM No. 29.
 Forest Department, Madras Presidency.
 Communications and Buildings during 1930-31.

ANNUAL FORM No. 29.
Communications and Buildings during 1930-31.

Description.	Name of division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.
Roads and bridges including cutverts.	<i>First Circle.</i>			RS.		M. P. CH.	RS.		M. P. CH.	RS.		M. P. CH.	RS.
	Ganjam ..	24	97 5 6	63,169	1	4 6 0	3,996	25	102 3 6	67,165	16	47 5 0	3,018
	Visagapatam ..	(a) 21	59 1 0	(a) 14,875	1	3 1 0	1,245	22	82 2 0	15,920	11	20 0 0	766
	Godavari Upper. Do. Lower.	19 21	171 3 3 113 6 8	30,494 (b) 41,843	2 1	2 0 1 0 3 1	1,107 4,826	21 20	173 3 4 109 3 8	31,601 43,082	12 3	54 3 5 15 6 0	877 1,537
	Guntur ..	33	185 0 0	32,184	(c) -2	-9 6 1	-3,587	33	185 0 0	32,184	14	32 2 0	1,895
Buildings, residential and non-residential.	Nellore ..	28	174 6 0	13,985	(d) -2	-22 0 0	-931 (e) + 100	26	182 6 0	13,184	9	20 0 0	1,297
	Total ..	146	801 6 7	1,96,350	1	-21 3 9	6,755	147	785 2 8	2,03,106	65	190 0 5	9,190
	Ganjam ..	118	..	88,827	+ 1 - 2	..	1,230 (h) + 410 - 125	117	..	89,932	77	..	14,074
	Visagapatam ..	41	..	10,871	1	..	486	42	..	1,367	23	..	1,329
	Godavari Upper. Do. Lower.	(f) 79 (g) 101	.. ..	73,509 74,790	1 2	.. ..	1,634 3,267	80 101	.. ..	76,145 77,910	59 52	.. ..	2,680 1,854
Other works.	Guntur ..	49	..	42,699	- 1	..	- 147 185	50	..	42,884	16	..	881
	Nellore ..	36	..	51,718	+ 1 (d) -5	..	+ 219 - 5,789	32	..	46,149	23	..	2,521
	Total ..	424	..	3,42,414	- 2	..	+ 1,370	422	..	3,43,377	250	..	23,339

Roads including bridges and cutverts.	<i>Second Circle.</i>												
	Anantapur ..	117	48 2 0	8,189	..	..	..	117	48 2 0	8,189	10	40 4 0	373
	Kurnool, East ..	54	322 7 0	65,053	..	..	..	54	322 7 0	65,053	17	42 1 0	1,729
	Do. West ..	23	117 0 0	46,537	+ 3	..	..	26	139 0 0	47,468	14	42 0 0	879
	Cuddapah, North ..	10	70 7 0	26,888	..	..	..	10	75 0 0	33,966	5	40 0 0	613
Buildings, residential and non-residential.	Do. South ..	32	139 2 0	23,753	+ 2	..	..	34	144 2 0	25,097	2	32 0 0	629
	Total ..	35	186 7 0	45,156	+ 1	..	..	36	189 2 0	45,871	11	39 3 0	1,787
	Anantapur ..	271	885 1 0	2,15,576	+ 6	+ 33 4 0	+ 10,068	277	918 5 0	2,25,644	59	236 0 0	6,010
	Kurnool East ..	29	..	51,011	- 1	..	- 3,069	28	..	50,150	20	..	646
	Do. West ..	65	..	68,480	+ 5	..	+ 2,206	70	..	70,497	38	..	735
Other works.	Cuddapah, North ..	60	..	95,037	+ 4	..	+ 6,914	58	..	1,00,767	36	..	1,406
	Do. South ..	92	..	1,30,709	- 6	..	- 1,137	90	..	1,30,434	28	..	1,033
	Total ..	51	..	78,489	+ 2	..	+ 392	52	..	81,667	31	..	980
	Anantapur ..	85	..	91,342	..	..	+ 3,178	85	..	93,062	49	..	1,322
	Total ..	382	..	5,15,006	+ 1	..	+ 1,720	383	..	5,26,577	202	..	6,122

Note for First Circle.—(a) Represents correct length of roads with their capital cost at the beginning of the year.

(b) The figure furnished in last year's return did not include expenditure as part construction of Kachalar Pedanuthula road and extension of Budikonda Mallayaram road. It is now rectified.

(c) A length of 9 miles 6 furlongs 1 chain of road in Lower Godavari has been transferred to Public Works Department.

(d) Represents length and value of roads transferred to Kurnool South along with Kanigiri Range.

(e) Represents improvements to existing roads.

(f) The difference in closing balance and opening balance is due to an error in last year's return.

(g) Represents cost of improvements in existing wells.

(h) Improvements to Extra Assistant Conservator's quarters at Balliguda.

Description.	Name of division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.
Roads including bridle-paths and culverts.	<i>Second Circle—</i> cont.												
	Anantapur	21	..	7,336	1	..	(c) + 56	22	..	7,391	2	..	4
	Kurnool, East	11	..	8,657	2	..	(a) + 395	13	..	9,052	2	..	20
	Do. South	10	..	9,040	..	..	55	..	..	9,095	3	..	44
	Do. West	82	..	2,300	1	..	445	83	..	2,745	1	..	14
	Cuddapah, North.	15	..	5,139	..	..	..	15	..	5,139	2	..	21
Other works such as wells.	Do. South.	139	..	32,472	14	..	950	143	..	33,422	12	..	9
	Total	..	..	..	..	..	..	..	..	..	..	..	112
Buildings.	<i>Third Circle.</i>												
	Forest Research	..	..	..	(a) 1	..	234	1	..	560	1	..	(b) 326
		..	..	..	..	..	..	..	..	..	..	..	..
	<i>Fourth Circle.</i>												
	Chittoor ..	42	185 0	41,314	..	..	(a) 603	42	185 0	41,917	24	88 6	3,414
	Vellore ..	35	174 0	1,98,517	..	..	(a) 2,579	35	174 0	1,11,096	23	138 4	5,113
Roads including bridle-paths and culverts.	North Salem ..	16	110 1	47,088	(b) — 1	(b) 3 2	(a) 4,113	15	106 7	53,186	16	110 1	3,852
		..	..	..	..	..	(b) — 45	..	..	..	..	..	..
	Central Salem ..	13	69 2	16,069	2	4 3	455	15	73 5	16,534	12	50 6	2,798
	South Salem ..	34	151 0	33,719	..	0 5½	790	34	151 5½	34,509	14	42 7	2,186
	Total	140	689 3	2,46,707	1	1 6½	8,535	141	691 1½	2,55,242	89	431 0	17,363

Description.	Name of division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.
Buildings, residential and non-residential.	<i>Direction</i>												
	Chittoor ..	81	..	89,541	..	..	(a) + 94	81	..	89,635	34	..	1,697
	Vellore ..	98	..	1,35,565	..	..	(a) 5,977	98	..	1,41,527	63	..	(f) 819
	North Salem ..	46	..	78,716	— 4	..	(c) — 15	42	..	77,016	33	..	(d) 251
	Central Salem ..	(e) 92	..	78,118	1	..	(a) + 2,890	93	..	82,477	43	..	(f) 1,864
	South Salem ..	53	..	51,517	1	..	(c) — 4,090	54	..	53,223	18	..	(f) 1,360
Other works, such as wells.	Total	370	..	4,33,457	— 2	..	(g) 3,989	368	..	4,43,878	191	..	(f) 240
	Chittoor ..	37	..	11,253	..	..	(a) 1,706	37	..	11,577	4	..	1,883
	Vellore ..	59	..	4,655	3	..	(g) 3,552	62	..	4,743	5	..	(f) 998
	North Salem ..	18	..	4,417	1	..	50	19	..	4,723	1	..	(d) 80
	Central Salem ..	27	..	2,551	..	..	1,738	27	..	2,551	5	..	(f) 781
	South Salem ..	10	..	2,803	..	..	10,421	10	..	2,853	3	..	(f) 815
Roads including bridle-paths.	<i>Fifth Circle.</i>												
	Kollegal ..	13	104 7	19,921	2	3 2	(a) + 294	15	112 5	27,447	18	..	13,360
	North Coimbatore	14	112 4	82,240	..	..	(a) + 1,088	37	..	11,577	4	..	22
	South Coimbatore	16	56 2	(b) 2,70,052	..	..	306	62	..	4,723	5	..	70
	Madura	44	295 0	1,31,790	1	2 0	(d) 6,070	19	..	2,551	5	..	10
	Tinnevely	64	191 4	71,368	..	0 5	1,628	64	192 1	72,996	12	..	19
Roads including bridle-paths.	Total	151	764 5	5,89,937	3	8 3	10,428	154	773 0	6,00,365	86	512 2	55,261

Note for Second Circle—

(a) Relates to Kanigiri Range transferred from the I Circle.
(b) Includes Rs. 5,467 relating to Kanigiri range transferred from the I Circle.

(c) Excludes Rs. 486 relating to Chenenu works wrongly debited by the Accountant-General under this head.

Note for Third Circle—

(a) Three compartments out of a stock shed at Top Slip were transferred to Research division in Chief Conservator's Proceedings L. Dis. No. 7872/30, dated 4th October 1930.

Note for Fourth Circle—

(a) Improvements and cost of acquisition.

(b) Transferred to other departments.

(c) Written off during the year.

(d) Represents payments of taxes.

Revised figures furnished by District Forest Officer.

(f) Cost of establishment.

(g) Cost of sites of certain buildings since fixed and added on to the capital cost.

Note for Fifth Circle—

(a) Omitted to be included last year.

(b) Extension of roads constructed in previous years.

(c) Includes Rs. 19,532 spent by the Mount Stuart Commercial concern.

(d) Includes Rs. 3,010 spent by the Mount Stuart Commercial concern.

Rupees 329 will be recovered from the commercial concern on account of excess advance made towards capital works. Excludes Rs. 6,537 adjusted in 1930-31 accounts but accounted for in 1929-30 return.

(e) In respect of some roads taken over from the Local Fund Department, Capital cost is not known.

Communications and Buildings during 1930-31--cont.

Description of work.	Name of division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.
Buildings, residential and non-residential.	<i>Fifth Circle</i> —cont.												
	Kollegal ..	57	..	74,550	5	..	8,992	65	..	82,602	21	..	2,286
	North Coimbatore..	76	..	76,929	+1	..	+1,785	76	..	78,164	46	..	2,381
	South Coimbatore..	89	..	1,45,352	-3	..	-550	91	..	1,46,972	27	..	(g) 2,710
	Madura ..	106	..	1,50,088	+4	..	+3,209	111	..	1,49,920	69	..	2,365
Other works, such as wells, etc.	Tinnevely ..	62	..	99,460	..	..	+1,840	62	..	99,460	54	..	3,598
	Total ..	392	..	5,46,379	73	..	10,739	405	..	5,57,118	217	..	(h) 13,460
Roads including bridge-paths and culverts.	<i>Sixth Circle</i>												
	Kollegal ..	18	..	11,635	..	..	15	18	..	11,650	3	..	44
	North Coimbatore..	18	..	3,983	..	..	437	19	..	4,420	4	..	66
	South Coimbatore..	8	..	3,100	..	..	(h) 534	9	..	3,634	5	..	(j) 1,433
	Madura ..	34	..	7,022	..	..	489	35	..	7,511	9	..	78
Roads including bridge-paths and culverts.	Tinnevely ..	14	..	1,770	..	..	..	14	..	1,770	7	..	123
	Total ..	92	..	27,510	3	..	1,475	95	..	28,985	28	..	1,744
Buildings, residential and non-residential.	<i>Sixth Circle</i>												
	Mangalore, North..	36	74	15,449	..	..	..	36	74	15,449	7	44	920
	Do. South ..	34	105	26,926	+2	..	1,799	36	107	28,725	25	85	1,146
	Wynaad ..	59	210	77,041	..	..	(b) 5,282	54	206	82,323	54	206	12,068
	Nilambur ..	21	36	17,911	+1	..	3,169	22	38	21,080	16	21	1,952
Other works, such as wells, etc.	Do. ..	2	3	48,511	..	..	(c) 35,724	3	113	84,235	..	113	2,398
	The Nilgiris ..	69	113	37,747	..	..	..	69	113	37,747	69	113	2,398
	Palghat ..	48	235	1,53,028	(c) +3	..	(d) 4,815	51	256	1,57,843	50	245	3,238
	Total ..	269	778	3,86,613	+7	..	50,789	276	808	4,37,402	221	716	21,702

Buildings, residential and non-residential.	Mangalore, North..	74	..	79,644	+3	..	1,019	77	..	80,663	65	..	1,128
	Do. South ..	41	..	71,704	+14	..	6,004	50	..	76,771	42	..	1,081
	Wynaad ..	116	..	1,28,651	(f) -5	..	(f) -937	119	..	1,36,283	97	..	2,417
	Nilambur ..	44	..	1,10,544	(g) +6	..	(g) 10,675	52	..	1,21,985	36	..	3,168
	The Nilgiris ..	99	..	1,48,854	(h) +8	..	11,441	96	..	1,47,047	51	..	3,249
Other works, such as wells, etc.	Palghat ..	51	..	1,38,987	(i) -3	..	(i) 1,807	58	..	1,46,477	56	..	3,046
	Do. (Chenat Nair)	18	..	(k) +10	(j) +8	..	(j) -2,900	10	..	30,827	..	..	..
	Do. (Chenat Nair)	..	..	(l) +400	(k) -7	..	(k) -9,971	..	..	..	..	..	..
	Total ..	443	..	1,21,304	(l) +19	..	(l) -2,112	462	..	7,40,053	347	..	14,084
	Mangalore, North..	29	..	8,906	..	..	983	31	..	9,889	5	..	62
Other works, such as wells, etc.	Do. South ..	16	..	5,138	2	..	352	16	..	5,490	7	..	26
	Wynaad ..	20	..	7,414	..	..	1,089	22	..	8,483	17	..	209
	Nilambur ..	8	..	2,672	..	..	(k) 786	8	..	3,458	5	..	43
	The Nilgiris ..	1	..	3,919	..	..	(l) 1,639	1	..	3,919	1	..	25
	Palghat ..	9	..	2,451	(n) 2	..	(m) -1,048	3	..	4,590	3	..	232
Other works, such as wells, etc.	Do. (Chenat Nair)	4	..	10,787	(m) -1	..	..	..	..	(o) 9,739	..	..	..
	Total ..	87	..	41,287	5	..	4,281	92	..	45,568	38	..	597

Note for Fifth Circle—cont.

(f) Includes Rs. 345 value of materials obtained from Kombu sub-line demolished.

(g) Excludes Rs. 468 spent by the Mount Stuart Commercial concern in 1929-30 but adjusted in 1930-31. This has been accounted for in 1929-30 return. Includes Rs. 142 spent by the commercial concern. Excludes Rs. 130 excess advanced to the concern that will be recovered.

(h) Incurred by Mount Stuart Commercial concern.

(i) Includes Rs. 1,408 being pay of bungalow watcher.

(j) Includes Rs. 814 spent by the Mount Stuart Commercial concern in 1929-30 but adjusted in 1930-31 account towards cost of telephone line. Rupees 240 excess advanced will be recovered from the concern.

Note for Sixth Circle.

(a) Existing bridge-paths extended.

(b) Represents cost of improvements to existing roads.

(c) Transferred during the year from the Forest Engineering Division.

(d) Includes Rs. 2,286 representing value of the roads (c), adjusted in 1931-32.

(e) Roads and bridges in Nilambur Division under construction by Forest Engineer, half of which is debited to "Exploitation", the other half to "General Forest Administration."

(f) Relates to 3 buildings—valued Rs. 687 written off and 2 sheds—valued Rs. 250 dismantled

(g) Includes 2 buildings of Nanjangode depot—Value Rs. 2,954 transferred from the Forest Utilization Division and 1 building of Saw Mill at Chedeth—value Rs. 2,161 transferred from the Engineering Division.

(h) Written off

(i) Seven buildings—valued Rs. 9,971 adjusted in 1931-32 were transferred from the Forest Engineering Division to Palghat Division.

(j) Rest house at Agali, transferred to the Revenue Department.

(k) Difference in the last year's statement, now added.

(l) Value of Dhoni motor shed and depot shed which had no book value.

(m) Value of one pipe line and crockery—value Rs. 1,048 transferred to Palghat division

(n) Includes a pipe-line and crockery—value Rs. 1,048 adjusted in 1931-32—transferred from the Forest Engineering Division.

(o) Includes telephone lines valued at Rs. 1,227—Dismantled.

Communications and Buildings during 1930-31—cont.

Description of work.	Name of division.	At the commencement of the year.			Additions and exclusions during the year.			At the close of the year.			Repairs during the year.		
		Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.	Number.	Length.	Capital cost.
Roads including bridle-paths and culverts.	Parakkimedi Maliahs	38	..	5,369	1	..	85	39	..	5,454	32	..	267
		2	..	460	..	..	99*	2	..	559	..	..	..
Other works such as wells.	Roads includ- ing bridle- paths and culverts.	977	8,919-0	16,35,183	18	55 3 0	86,576	995	3,976 2 0	*18,05,994	520	2,115 4 0	1,09,526
		2,049	..	25,63,991	31	..	53,152	2,080	..	26,17,017	1240	..	70,948
Grand Total, Presi- dency.	Other works.	565	..	1,66,285	14	..	8,434	579	..	1,66,892	131	..	100
													3,181

* The incomplete well work on the Devagiri top was completed during the year at a cost of Rs. 99.

ANNUAL FORM No. 30.

Forest Department, Madras Presidency.

Return of Breaches of Forest Rules during the year 1930-31.

ANNUAL FORM No. 30.

Forest Department, Madras.

Return of Breaches of Forest Rules during 1930-31.

District.	Cases pending from 1929-30.	New cases of the year.					Total new cases of the year.	Disposed of during the year.						Total.	Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Convictions.		Acquittals.		Cases.	Persons.				
						Cases.		Persons.	Cases.			Persons.			
Ganjam { A B C	8	..	43	4	2	49	57	41	165	7	56	48	221	9	
	66	109	345	44	17	406	472	406	1,370	42	156	448	1,526	24	
	..	..	29	..	..	138	..	..	..	..	..	..	..	..	
Total	74	109	417	48	19	593	529	447	1,535	49	212	496	1,747	33	
Vizagapatam. { A B C	7	..	..	..	2	9	16	4	6	7	23	11	29	5	
	49	..	221	9	4	234	283	211	524	6	49	217	573	66	
	..	..	6	..	..	6	..	..	..	..	..	..	..	..	
Total	56	..	234	9	6	249	299	215	530	13	72	228	602	71	
Upper Godavari. { A B C	6	..	16	3	6	25	31	22	59	2	2	24	61	7	
	7	67	72	9	14	95	102	93	202	..	..	93	202	9	
	..	..	3	1	1	72	..	..	..	..	..	..	..	..	
Total	13	67	91	13	21	192	133	115	261	2	2	117	263	16	
Lower Godavari. { A B C	43	..	61	11	5	77	120	66	148	1	1	67	149	53	
	60	..	179	82	25	286	346	255	530	15	67	270	597	76	
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Total	103	..	240	93	30	363	466	321	678	16	68	337	746	129	

FIRST CIRCLE.

By Forest Officers.

Guntur { A B C	138 188 ..	.. .. ..	392 318 13	155 107 ..	7 6 ..	554 431 13	692	96 469 ..	230 1,108 ..	278	693	374 469 ..	923 1,108 ..	318 70 ..
Total	246	..	723	262	13	998	1,231	565	1,338	278	693	843	2,031	388
Nellore { A B C	47 22 ..	.. .. ..	109 66 3	85 90 4	4 2 ..	198 158 7	245	50 174 ..	178 341 ..	160	402	210 174 ..	580 341 ..	35 6 ..
Total	69	..	178	179	6	363	425	224	519	160	402	384	921	41
Total First Circle by Forest Officers.	249 312 ..	.. .. ..	628 1,201 54	258 341 5	26 68 1	912 1,610 236	1,161	279 1,608 ..	786 4,075 ..	455 63 ..	1,177 272 ..	734 1,671 ..	1,963 4,347 ..	427 251 ..
Total	561	176	1,883	604	95	2,758	3,083	1,887	4,861	518	1,449	2,405	6,310	678

By Revenue Officers.

Ganjam { A B C	.. .. ..	.. .. ..	.. 13 2	.. .. ..	.. 1 ..	.. 14 2	17	.. 13 ..	.. 16 ..	.. 1 ..	.. 1 ..	.. 14 ..	.. 17 ..	.. 3 ..
Total	3	..	15	..	1	16	17	13	16	1	1	14	17	3
Vizagapatam { A B C	.. .. ..	.. .. ..	7 91 ..	4	1 2 ..	12 109 ..	14	11 109 ..	17 180 ..	3	12	14 109 ..	29 180 ..	.. 10 ..
Total	12	4	98	16	3	121	133	120	197	3	12	123	209	10
Lower Godavari { A B C	.. .. ..	.. .. ..	.. 29 51	.. .. ..	4 36 ..	33 87 ..	34	24 33 ..	53 38 ..	8 49 ..	15 76 ..	32 82 ..	68 114 ..	2 9 ..
Total	5	..	80	..	40	120	125	57	91	57	91	114	182	11
Guntur { A B C	13 123 ..	.. .. ..	79 176 35	2 2 ..	12 44 6	93 222 41	106	48 109 ..	101 218 ..	5 105 ..	5 85 ..	53 214 ..	106 303 ..	53 131 ..
Total	136	..	290	4	62	356	451	157	319	110	90	267	409	184

A = Cases taken to Court.

B = Cases compounded.

C = Cases undetected.

Return of Breaches of Forest Rules during 1930-31—cont.

District.	Cases pending from 1929-30.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Total.		
								Cases.	Persons.	Cases.	Persons.	Cases.	Persons.	

FIRST CIRCLE—cont.

By Revenue Officers—cont.

Nellore { A .. 3 B .. 14 C	71 282 16	..	..	..	5	76 287 15	79	15 252 ..	20 469 ..	44	79	59 252 ..	99 469 ..	20 49 ..
Total ..	368	..	5	..	5	378	380	267	489	44	79	311	568	69
First Circle { A .. 19 B .. 154 C	186 613 52	..	4	..	22 83 6	214 719 58	233 873 ..	98 516 ..	191 923 ..	60 155 ..	111 160 ..	158 671 ..	302 1,083 ..	75 202 ..
Total by Revenue Officers.	851	4	..	..	111	991	1,106	614	1,114	215	271	829	1,385	277
Circle, Grand Total.	814 1,814 106	.. 4 176	.. .. ..	26 360 5	48 151 7	1,126 2,329 294	1,394 2,795 ..	377 2,124 ..	977 4,998 ..	515 218 ..	1,288 432 ..	892 2,342 ..	2,265 6,430 ..	502 463 ..
Total ..	734	180	..	629	206	3,749	4,189	2,501	5,975	733	1,720	3,234	7,695	955

SECOND CIRCLE.

Reserves under the control of the Forest Department.

Anantapur { A .. 55 B .. 59 C	119 162 13	..	..	71 108 ..	16 31 ..	206 301 37	261	73 278 ..	214 671 ..	115 16 ..	342 45 ..	188 294 ..	556 716 ..	73 66 ..
Total ..	294	24	..	179	47	544	621	351	886	131	387	482	1,272	139

FOREST DEPARTMENT

Kurnool, East. { A .. 10 B .. 18 C	25 103 6	..	..	26 88 ..	..	51 193 15	61	10 135 ..	25 335 ..	51 34 ..	171 99 ..	61 169 ..	196 434 ..	..
Total ..	134	9	..	114	2	259	272	145	360	85	270	230	630	42
Kurnool, South. { A .. 42 B .. 48 C	105 210 21	..	..	34 90 ..	18 53 ..	157 353 ..	199	108 330 ..	210 770 ..	88 3 ..	214 11 ..	195 333 ..	424 781 ..	3 68 ..
Total ..	336	9	..	124	71	510	600	438	980	91	225	529	1,205	71
Kurnool, West. { A .. 15 B .. 100 C	125 202 16	..	..	30 104 9	9 22 3	164 328 65	179	68 384 ..	276 886 ..	31 12 ..	83 25 ..	90 396 ..	359 911 ..	80 32 ..
Total ..	343	37	..	143	34	557	607	452	1,162	43	108	495	1,270	112
Cuddapah, North. { A .. 43 B .. 19 C	159 133 10	..	..	56 63 ..	6 10 ..	221 206 10	264	112 165 ..	310 289 ..	111 25 ..	304 89 ..	223 190 ..	614 378 ..	41 35 ..
Total ..	302	..	..	119	16	437	489	277	599	136	393	413	992	76
Cuddapah, South. { A .. 17 B .. 16 C	101 199 10	1	1	58 92 ..	2 8 ..	162 300 ..	179	58 262 ..	167 582 ..	105 29 ..	300 106 ..	163 281 ..	467 688 ..	16 35 ..
Total ..	310	2	..	150	16	462	495	310	749	134	406	444	1,155	51
Total, Reserves. { A .. 182 B .. 260 C	634 1,009 76	1 1 79	..	275 545 9	51 126 3	961 1,881 167	1,143	429 1,544 ..	1,202 3,533 ..	501 119 ..	1,414 375 ..	930 1,663 ..	2,616 3,908 ..	213 278 ..
Grand total A, B and C Reserves.	1,719	81	..	829	180	2,809	3,084	1,973	4,735	620	1,789	2,593	6,524	491

Unreserves.

Anantapur. { A .. 14 B .. 62 C	140 439 2	..	..	..	17 41 ..	157 485 2	171	28 444 ..	40 664 ..	133 13 ..	180 13 ..	161 457 ..	220 677 ..	10 90 ..
Total ..	581	5	..	..	58	644	718	472	704	146	193	618	897	100

A = Cases taken to Court.

B = Cases compounded.

C = Cases undetected.

Return of Breaches of Forest Rules during 1930-31—cont.

District.	Cases pending from 1929-30.	New cases of the year.					Total new cases of the year.	Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Convictions.			Acquittals.		Total.				
						Cases.			Persons.	Cases.	Persons.	Cases.	Persons.		

SECOND CIRCLE—cont.

Unreserves—cont.

Kurnool, East.	{ A B C }	2 4 ..	14 61 3	.. .. ..	.. .. ..	19 61 3	21 65 ..	6 53 ..	5 91 ..	16	25	21 53 ..	30 91 ..
Total		6	83	..	..	83	86	58	96	16	25	74	121
Kurnool, South.	{ A B C }	1 5 ..	13 21 2	.. .. ..	.. .. ..	13 21 2	14 26 ..	3 18 ..	5 58 ..	10	11	13 18 ..	16 58 8
Total		6	36	..	..	36	40	21	63	10	11	31	74
Kurnool, West.	{ A B C }	2	13 49 9	.. .. ..	.. 2 ..	13 53 9	15 53 ..	13 44 ..	43 99 ..	2	2	15 44 ..	45 99 ..
Total		2	71	..	2	75	68	57	142	2	2	59	144
Cuddapah, North.	{ A B C }	.. .. ..	74 .. ..	.. .. ..	.. .. ..	.. 80 ..	80	.. 80 ..	98 .. ..	.. .. ..	.. .. ..	80	98
Total		..	74	6	..	80	80	80	98	..	..	80	98

FOREST DEPARTMENT

Cuddapah, South.	{ A B C }	.. .. ..	15 .. ..	.. .. ..	.. .. ..	15	15	15	16 .. ..	.. .. ..	.. .. ..	15	16
Total		..	15	..	..	15	15	15	16	..	..	15	16
Total, Unreserves.	{ A B C }	19 71 ..	186 659 16	17 43 ..	.. 6 ..	202 715 16	221 786 ..	49 654 ..	93 1,026 ..	161 13 ..	218 13 ..	210 667 ..	311 1,039 ..
Grand total, Unreserves A, B & C.		90	860	60	6	933	1,007	703	1,119	174	231	877	1,350
Grand total, Reserves and Unreserves.	{ A B C }	201 331 ..	819 1,668 92	68 169 3	275 551 9	1,163 2,396 183	1,364 2,727 ..	478 2,198 ..	1,295 4,559 ..	662 132 ..	1,632 388 ..	1,140 2,330 ..	2,927 4,947 ..
Grand total of Reserves and Unreserves A, B & C.		532	2,579	240	835	3,742	4,091	2,676	5,854	794	2,020	3,470	7,874

FOURTH CIRCLE.
Reserves.

Chittoor	{ A B C }	137 39 ..	186 163 4	25 9 ..	89 118 1	300 240 56	437 329 ..	147 281 ..	345 450 ..	219 6 21	462 38 51	372 302 ..	845 501 ..
Total		176	353	34	208	646	766	428	795	246	551	674	1,346
Vellore	{ A B C }	143 129 ..	517 564 19	10 11 ..	137 249 ..	664 825 19	807 954 ..	115 691 ..	267 1,447 ..	577 10 22	1,067 64 ..	702 713 ..	1,334 1,511 ..
Total		272	1,100	21	386	1,508	1,761	806	1,714	609	1,131	1,415	2,845
Salem, North.	{ A B C }	17 20 ..	92 237 ..	7 14 ..	18 93 ..	118 344 67	135 364 ..	38 309 ..	92 512 ..	86 23 ..	174 46 ..	126 332 ..	259 558 ..
Total		37	329	21	111	529	499	347	604	111	223	458	827

A = Cases taken to court.

B = Cases compounded.

C = Cases undetected.

NOTE.—The difference between the II Circle closing balance of 1929-30 and the opening balance of 1930-31 are due to the transfer of cases from one head to another.

Return of Breaches of Forest Rules during 1930-31—cont.

District.	Cases pending from 1929-30.	New cases of the year.					Total new cases of the year.	Total cases.	Disposed of during the year.						Cases pending at close of year.	
		Injury to forest by fire.	Unauthorized felling of or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Convictions.			Acquittals.		Cases.	Persons.	Total.			
						Cases.			Persons.	Cases.			Persons.	Cases.		Persons.
FOURTH CIRCLE—cont.																
Reserves—cont.																
Salem, Central	282 101 .. 383	..	847	56	9	312	1,194	81	156	726	1,617	816	1,773	378		
		..	661	98	15	774	875	671	1,092	10	27	681	1,119	194		
		84	15	..	..	99	..	..	..	..	..	..	..	..		
		84	1,523	154	24	1,785	2,069	752	1,248	745	1,644	1,497	2,892	572		
Salem, South.	43 25 .. 68	..	168	11	4	183	226	29	85	155	495	195	580	31		
		..	296	31	15	342	367	277	634	17	46	294	685	73		
		55	12	..	..	67	..	..	..	..	..	..	..	..		
		55	476	42	19	592	593	306	724	183	541	489	1,265	104		
Total	622 314 .. 936	1	1,810	311	55	2,177	2,799	410	945	1,763	3,856	2,211	4,801	588		
		1	1,921	589	64	2,575	2,869	2,229	4,140	93	234	2,322	4,374	567		
		257	50	1	..	308	..	..	..	..	..	..	..	..		
		259	3,781	901	119	5,060	5,688	2,639	5,085	1,894	4,090	4,533	9,175	1,155		
Unreserves.																
Chittoor	.. .. .. ..	..	221	..	7	229	229	229	281	..	..	229	281	..		
		..	..	1	..	..	..	..	..	..	..	..	..	..		
		..	..	..	..	..	..	..	..	..	..	..	..	..		
		..	221	1	7	229	229	229	281	..	..	229	281	..		
Total																

FOREST DEPARTMENT

Vellore ..	{ A .. B .. C ..	8 773 ..	1 1 ..	106 665 ..	3	4 51 ..	114 717 ..	122 1,490 ..	7 727 ..	27 1,163 ..	107	208	114 727 ..	235 1,163 ..	8 763 ..
Total ..		781	2	771	3	55	831	1,612	734	1,190	107	208	841	1,398	771
Salem, North.	{ A* .. B* .. C ..	1 5 ..	1	35 337 2	.. .. ..	1 1 ..	36 338 2	37 343 ..	17 327 ..	22 401 ..	19 1 ..	23 1 ..	36 328 ..	45 402 ..	1 15 ..
	Total ..	6	..	374	..	2	376	380	314	423	209	24	364	447	16
	{ A* .. B* .. C ..	8 306 ..	.. .. ..	63 900 ..	.. 18 ..	.. 42 ..	63 960 ..	71 1,266 ..	50 544 ..	64 788 ..	5 331 ..	6 447 ..	55 875 ..	70 1,235 ..	391
Total ..		314	..	963	18	42	1,023	1,337	594	852	336	453	930	1,305	407
Salem, South.	{ A .. B .. C ..	10 113 3	.. .. ..	55 498 31	.. .. ..	.. 2 1	55 500 32	65 613 ..	31 485 ..	40 601 ..	29	31	60 485 ..	71 601 ..	5 128 ..
	Total ..	126	..	584	..	3	587	678	516	641	29	31	545	672	133
	{ A .. B .. C ..	27 1,197 3	1 1 ..	259 2,621 33	3 19 ..	5 103 1	268 2,744 34	295 3,941 ..	105 2,312 ..	153 3,234 ..	160 332 ..	268 448 ..	265 2,644 ..	421 3,682 ..	30 1,297 ..
Grand Total ..		1,227	2	2,913	22	109	3,046	4,236	2,417	3,387	492	716	2,909	4,103	1,327
FIFTH CIRCLE.															
Reserves.															
Kollegal.	{ A .. B .. C ..	32 25 ..	1 2 90	66 125 5	53 44 ..	13 10 ..	133 181 95	165 206 ..	21 171 ..	78 335 ..	12 113 12	38 312 96	146 183 ..	428 430 ..	19 23 ..
	Total ..	57	93	196	97	23	409	371	192	413	137	445	329	858	42

Note for Fourth Circle—

A = Cases taken to Court.

* The difference in the opening balance under (A and B) is due to transfer of cases from B to A.

† Represents cases where compounding fees were paid in Court.

‡ The difference is due to actuals as furnished in Taluk returns.

Note for Fifth Circle—

§ Cases settled by payment of compounding fees in Court.

B = Cases compounded.

C = Cases undetected.

Return of Breaches of Forest Rules during 1930-31—cont.

District.	Cases pending from 1929-30.	New cases of the year.					Total new cases of the year.	Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Convictions.			Acquittals.	Cases.	Persons.	Cases.	Persons.		
														Cases.	
FIFTH CIRCLE—cont.															
Reserves—cont.															
Coimbatore, North.	27 38 ..	2	143 201 2	27 93 ..	6 3 ..	176 299 2	203 337 ..	60 270 ..	177 637 ..	83 31 ..	219 97 ..	143 301 ..	396 734 ..	60 36 ..	
Total	65	2	346	120	9	477	540	330	814	114	316	444	1,130	96	
Coimbatore, South.	24 10 ..	.. .. ..	37 65 ..	5 11 ..	27 10 ..	69 86 ..	93 96 ..	11 74 ..	22 207 ..	59 6 ..	137 21 ..	70 80 ..	159 228 ..	23 16 ..	
Total	34	..	102	16	37	155	189	85	229	65	158	150	387	39	
Madura ..	381 45 ..	2 3 132	804 394 ..	106 92 ..	9 28 ..	921 517 132	1,302 562 ..	501 361 ..	1,848 708 ..	523 2 36	1,539 100 ..	1,026 397 ..	3,387 808 ..	276 165 ..	
Total	426	137	1,198	198	37	1,570	1,864	862	2,556	561	1,639	1,423	4,195	441	
Tinnevely	38 78 ..	4 .. 2	165 325 3	32 120 ..	4 3 ..	205 448 5	243 526 ..	113 66 ..	193 98 ..	91 396 ..	204 885 ..	204 462 ..	397 983 ..	39 64 ..	
Total	116	6	493	152	7	658	769	179	291	487	1,089	666	1,380	103	

FOREST DEPARTMENT

Circle	{ A B C	502 196 ..	7 7 224	1,215 1,110 10	223 360 ..	59 54 ..	1,504 1,531 234	2,006 1,727 ..	706 942 ..	2,318 1,985 ..	883 481 ..	2,449 1,198 ..	1,589 1,423 ..	4,767 3,183 ..	417 804 ..
		698	238	2,355	583	113	3,269	3,733	1,648	4,303	1,364	3,647	3,012	7,950	721
	Total														

Unreserved.

Kollegal..	{ A B C	1 3 ..	1	9 56 ..	.. .. ..	.. .. ..	9 67 ..	10 60 ..	.. 53 ..	.. 90 ..	2 2 ..	2 2 ..	4 53 ..	4 90 ..	6 7 ..
		4	1	66	..	..	66	70	53	90	4	4	57	94	13
	Total														
Coimbatore, North.	{ A B C	.. 13 ..	.. .. ..	9 102 ..	.. .. ..	.. 11 ..	9 113 ..	9 126 ..	3 111 ..	3 169 ..	6	9	9 111 ..	12 169 ..	15
		13	..	111	..	11	122	135	114	172	6	9	120	181	15
	Total														
Coimbatore, South.	{ A B C	.. 7 ..	.. .. ..	9 54 ..	.. .. ..	.. 14 ..	9 68 ..	9 75 ..	.. 67 ..	.. 105 ..	6	7	6 67 ..	7 105 ..	3 8 ..
		7	..	63	..	14	77	84	67	105	6	7	73	112	11
	Total														
Madura ..	{ A B C	63 108 ..	.. .. ..	72 472 4	8 18 ..	1 9 ..	81 499 4	144 607 ..	82 393 ..	112 736 ..	32 2 ..	78 3 ..	114 305 ..	190 739 ..	30 212 ..
		171	..	548	26	10	584	751	475	842	34	81	509	929	242
	Total														
Tinnevely	{ A B C	5 49 ..	4	45 154 7	2 10 ..	7 108 ..	58 272 7	63 321 ..	11 17 ..	13 22 ..	47 251 ..	63 446 ..	58 268 ..	76 468 ..	5 53 ..
		54	4	206	12	115	337	384	28	35	298	509	325	544	58
	Total														

A = Cases taken to Court.

B = Cases compounded and withdrawn.

* Withdrawn after taking to Court.

† Case settled by payment of compounding fee in Court.

C = Cases undetected.

Return of Breaches of Forest Rules during 1930-31—cont.

District.	Cases pending from 1929-1930.		New cases of the year.					Total new cases of the year.	Total cases.	Disposed of during the year.						Cases pending at close of year.
	Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Persons.		Cases.			Persons.	Cases.	Total.				
					Convictions.	Acquittals.	Cases.						Persons.			
Circle { A .. B .. C .. Total, Unreserves.. " Reserves .. Grand Total ..	69	144	10	8	166	235	96	128	95	161	191	289	44			
	180	838	28	142	1,009	1,189	641	1,122	253	449	894	1,571	295			
	..	11	..	..	11	..	..	..	..	..	..	..	..			
	..	..	..	..	..	..	..	..	..	..	..	..	..			
	249	993	38	160	1,186	1,424	737	1,250	348	610	1,085	1,860	339			
	698	2,335	583	113	3,269	3,733	1,648	4,303	1,364	3,647	3,012	7,960	721			
	947	3,328	621	263	4,455	5,157	2,385	5,553	1,712	4,257	4,097	9,810	1,060			

NOTE.—The difference between the closing balance of 1929-30 and the opening balance of 1930-31 is due to transfer of cases from one head to another.

FIFTH CIRCLE—cont.

Unreserves—cont.

Circle { A .. B .. C .. Total ..	69	144	10	8	166	96	128	96	161	191	289
..	180	838	28	142	1,009	641	1,122	641	449	894	1,571
..	..	11	..	..	11	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
Total, Unreserves..	249	993	38	160	1,186	737	1,250	737	610	1,085	339
" Reserves ..	698	2,335	583	113	3,269	1,648	4,303	1,648	3,647	3,012	721
Grand Total ..	947	3,328	621	263	4,455	2,385	5,553	2,385	4,257	4,097	1,080

SIXTH CIRCLE.

Reserved Forest.

Mangalore, { A .. B .. C .. Total ..	(e) 2	6	1	2	11	1	1	1	2	2	3	9
..	(e) 49	163	36	16	215	199	298	199	8	202	306	62
..	..	..	..	..	81	..	..	..	..	..	..	..
..	51	169	37	18	305	200	299	200	10	204	309	71
Total ..	..	..	..	..	..	..	..	..	..	..	..	..
Mangalore, { A .. B .. C .. Total ..	(e) 25	24	8	7	43	17	27	17	25	53	114	15
..	(e) 17	121	34	18	185	120	231	120	62	151	310	51
..	..	..	..	..	124	..	..	..	79	..	..	..
Total ..	42	145	42	25	352	137	258	137	166	204	424	66

Wynaad. { A .. B .. C .. Total ..	1	1	1	1	3	3	3	3	2	1	2	2
..	7	13	10	5	30	37	37	24	4	28	47	9
..	..	..	..	..	..	..	..	..	..	..	..	..
..	7	14	10	6	33	40	39	24	10	29	49	11
Total ..	..	..	..	..	..	..	..	..	..	..	..	..
Nilambur. { A .. B .. C .. Total ..	2	2	3	1	6	6	11	4	1	6	13	..
..	2	2	5	2	9	11	22	10	10	11	32	..
..	..	..	..	..	..	..	..	..	..	..	..	..
..	2	4	8	3	15	17	33	14	3	17	45	..
Total ..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris. { A .. B .. C .. Total ..	(e) 8	3	7	3	13	21	40	11	2	13	48	8
..	(e) 144	54	151	246	456	600	966	448	8	456	978	144
..	..	..	..	..	..	..	..	..	..	..	..	..
..	152	57	158	249	469	621	1,006	459	10	469	1,026	152
Total ..	..	..	..	..	..	..	..	..	..	..	..	..
Palghat. { A .. B .. C .. Total ..	3	20	2	1	23	26	33	16	1	17	34	9
..	41	114	11	11	136	177	256	94	25	148	381	29
..	..	..	..	..	..	..	..	..	..	..	..	..
..	28	..	..	..	28	28	..	..	..	..	..	..
Total ..	44	134	13	12	187	231	389	157	36	165	415	38
Total-sixth circle. { A .. B .. C .. Total ..	(e) 38	56	21	15	97	135	112	49	43	92	214	43
..	(e) 260	467	247	298	1,031	1,291	1,912	942	54	996	2,054	296
..	..	..	..	..	..	..	..	..	..	..	..	..
..	298	523	268	313	1,361	1,659	2,024	991	97	1,088	2,268	338

Unreserves.

Mangalore, { A .. B .. C .. Total ..	(e) 10	30	..	1	31	41	15	13	6	25	30	16
..	(e) 21	158	..	9	167	188	173	136	8	137	174	51
..	..	..	..	..	..	..	..	..	..	..	..	..
..	31	188	..	10	198	229	188	149	16	162	204	67
Total ..	..	..	..	..	..	..	..	..	..	..	..	..

(e) Cases withdrawn. A = Cases taken to Court. B = Cases compounded and withdrawn. C = Cases undetected.
 (e) Differences between the closing balance of 1929-30 and the opening balance of 1930-31 are due to the transfer of cases from one head to another.
 (f) Acquitted by Magistrate after payment of compounding fees in court.
 (g) Acquitted by Magistrate for want of evidence.

Return of Breaches of Forest Rules during 1930-31—cont.

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ANNUAL REPORT OF THE

District.	Cases pending from 1929-30.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.		Cases.	Persons.	
								Cases.	Persons.	Cases.	Persons.			
Mangalore, South.	(e) 40	57	26	..	..	83	123	42	71	(g) 14 } 44	96	160	27	
	(e) 60	57	75	..	4	136	196	156	182	(f) 40 } 45	171	230	25	
	..	..	..	..	..	..	..	..	..	(g) 15 } 48	..	..	..	
	100	114	101	..	4	219	319	198	253	69	267	390	52	
Wynad.	..	3	9	..	..	12	13	13	13	..	13	13	..	
	1	3	9	..	..	12	13	13	13	..	13	13	..	
	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Total :	1	9	..	..	12	13	13	13	..	13	13	..	
Palghat.	2	..	79	..	35	114	2	2	2	..	2	2	26	
	27	..	..	..	..	..	141	109	200	16	115	216	..	
	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Total ..	29	79	..	35	114	143	111	202	16	117	218	26	
Total Un-reserves, Sixth circle.	52	57	56	..	1	114	166	57	88	66	123	192	43	
	109	60	321	..	48	429	538	414	568	22	436	633	102	
	..	..	..	..	..	..	..	..	..	..	..	..	..	
	Total ..	161	117	377	..	49	543	704	471	656	88	559	825	145

SIXTH CIRCLE—cont. Unreserves—cont.

Total, Reserves and Un-reserves.	90	62	112	21	16	211	301	108	200	109	206	215	406	86
	369	79	788	247	346	1,460	1,829	1,366	2,480	76	207	1,432	2,687	397
	..	233	..	..	..	233	233	..	..	..	..	..	..	..
Total ..	459	374	900	268	362	1,904	2,363	1,462	2,680	185	413	1,647	3,093	483
Parla-Minedi Malahs	32	3	35	3	1	42	74	18	74	25	108	43	182	31
	12	1	105	11	9	126	138	109	407	10	28	119	435	19
	..	32	..	..	..	32	..	..	..	..	..	..	..	..
Total ..	44	36	140	14	10	200	212	127	481	35	136	162	617	50
Total Departmental forests.	1,593	14	4,343	1,088	206	5,651	7,244	1,873	5,363	3,683	8,998	5,556	14,361	1,888
	1,342	28	5,708	2,082	610	8,428	9,770	7,365	15,645	810	2,221	8,075	17,866	1,895
	..	969	190	15	4	1,178	..	..	..	..	..	..	..	..
Total ..	2,935	1,011	10,241	3,185	820	15,257	17,014	9,138	21,008	4,493	11,219	13,631	32,227	3,883
Total, Unreserves.	400	66	1,499	297	105	1,967	2,367	852	1,929	1,068	2,384	1,920	4,313	447
	1,983	75	6,166	628	554	7,423	9,406	6,100	10,813	904	1,538	7,094	12,351	2,312
	3	32	112	..	7	151	..	..	..	..	..	..	..	..
Total ..	2,386	173	7,777	925	666	9,541	11,773	6,952	12,742	1,972	3,922	9,014	16,664	2,759
Total, Presi-dency.	1,993	80	5,842	1,385	311	7,618	9,611	2,725	7,292	4,751	11,382	7,476	18,674	2,135
	3,325	103	11,874	2,710	1,164	15,851	19,176	13,365	26,458	1,714	3,759	15,169	30,217	4,007
	3	1,001	302	15	11	1,829	..	..	..	..	..	..	..	..
Grand Total, Presi-dency.	5,321	1,184	18,018	4,110	1,486	24,798	28,787	16,090	33,750	6,465	15,141	22,645	48,891	6,142

(e) Differences between the closing balance of 1929-30 and the opening balance of 1930-31 are due to the transfer of cases from one head to another.
(f) Acquired by Magistrate after payment of compounding fees in court.
(g) Acquired by Magistrate for want of evidence.

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ANNUAL FORM No. 31.

Forest Department, Madras Presidency.

Area of forest tracts protected from fire during the calendar year 1930.

District.	Forest tracts.	Area protect- ed during the previous year.	During the year under report.			Cost dur- ing the year under report.
			Area attempt- ed to be pro- tected.	Fires.	Actually protected.	
<i>First Circle.</i>						
		ACS.	ACS.	ACS.	ACS.	RS.
Ganjam .. {	Special protection ..	53,233	54,998	3,468	51,530	3,820
	General do. ..	200,127	215,459	42,640	172,819	2,762
	Total ..	253,360	270,457	46,108	224,349	6,582
Vizaga- patam. {	Special protection ..	79,118	79,119	6,349	72,770	350
	General do. ..	17,738	17,738	1,260	16,478	66
	Total ..	96,856	96,857	7,609	89,248	416
Godavari, Upper. {	Special protection ..	364,733	530,150	162,976	367,174	3,493
	General do. ..	1,138	1,140	..	1,140	..
	Total ..	365,871	531,290	162,976	368,314	3,493
Godavari, Lower. {	Special protection ..	116,280	116,854	6,029	110,825	1,598
	General do. ..	111,419	99,563	1,315	98,248	374
	Total ..	227,699	216,417	7,344	209,073	1,972
Guntur .. {	Special protection ..	..	..	..	..	..
	General do. ..	326,879	332,736	2,889	329,847	..
	Total ..	326,879	332,736	2,889	329,847	..
Nellore .. {	Special protection ..	137,237	115,029	4,241	110,788	310
	General do. ..	122,437	123,129	230	122,899	..
	Total ..	259,674	238,158	4,471	233,687	310
Total, First Circle. {	Special protection ..	750,601	896,150	183,063	713,087	9,571
	General do. ..	779,738	789,765	48,334	741,431	3,202
	Grand Total ..	1,530,339	1,685,915	231,397	1,454,518	12,773
<i>Second Circle.</i>						
Ananta- pur. {	Special protection by a system of fire lines. ..	15,453	16,329	393	15,936	51
	Early burning ..	24,843	25,627	2,235	23,392	145
	General protection ..	314,113	329,735	5,520	324,215	..
	Total ..	354,409	371,691	8,148	363,543	196
Kurnool, East. {	Early burning ..	74,656	87,320	232	87,088	500
	General protection ..	491,904	517,254	..	517,254	191
	Total ..	566,560	604,574	232	604,342	691

Area of forest tracts protected from fire during the calendar year 1930—cont.

District.	Forest tracts.	Area protect- ed during the previous year.	During the year under report.			Cost during the year under report.
			Area attempt- ed to be pro- tected.	Fires.	Actually protected.	
<i>Second Circle—cont.</i>						
Kurnool, South.	Early burning ..	93,299	171,219	156	171,063	468 0
	General protection ..	289,355	259,159	1,600	257,559	..
	Total ..	382,654	430,378	1,756	428,622	468 0
Kurnool, West.	Special protection by a system of fire lines.	3,888	3,888	500	3,388	38 0
	Early burning ..	8,410	7,180	..	7,180	724 0
	General protection ..	510,167	538,366	1,938	536,428	1,114 0
	Total ..	522,465	549,434	2,438	546,996	1,876 0
Cuddapah, North.	Early burning ..	30,968	30,968	3,345	27,623	157 0
	General protection ..	371,628	454,263	63,219	391,044	103 0
	Total ..	402,596	485,231	66,564	418,667	260 0
Cuddapah, South.	Special protection ..	33,780	46,818	12,227	34,591	117 0
	Early burning ..	46,904	61,312	318	60,994	411 0
	General protection ..	330,844	321,052	11,331	309,721	229 0
	Total ..	411,528	429,182	23,876	405,306	757 0
Total, Second Circle.	Special protection ..	53,121	67,035	13,120	53,915	206 0
	Early burning ..	279,080	383,626	6,286	377,340	2,405 0
	General protection ..	2,308,011	2,419,829	83,608	2,336,221	1,637 0
	Grand Total ..	2,640,212	2,870,490	103,014	2,767,476	4,248 0
<i>Fourth Circle.</i>						
Chittoor ..	Special protection ..	35,744	38,423	2,490	35,933	489 5
	General do. ..	826,490	331,277	2,290	328,987	..
	Total ..	862,234	369,700	4,780	364,920	489 5
Vellore ..	Special protection ..	187,372	192,605	2,257	190,348	2,218 0
	General do. ..	251,985	253,645	2,830	250,815	..
	Total ..	439,357	446,250	5,087	441,163	2,218 0
Salem, North.	Special protection ..	61,135	66,448	3,653	62,795	560 3
	General do. ..	271,649	296,633	24,298	272,335	..
	Total ..	332,785	363,081	27,951	335,130	560 3
Salem, Central.	Special protection ..	246,295	249,159	2,180	246,979	1,649 0
	General do. ..	206,616	206,824	323	206,501	..
	Total ..	452,911	455,983	2,503	453,480	1,649 0

Area of forest tracts protected from fire during the calendar year 1930—cont.

District.	Forest tracts.	Area protected during the previous year.	During the year under report.			Cost during the year under report.
			Area attempted to be protected.	Fires.	Actually protected.	
	<i>Fourth Circle—cont.</i>	ACS.	ACS.	ACS.	ACS.	RS. A.
Salem, South.	Special protection ..	144,971	124,855	712	1,23,643	1,967 2
	General do. ..	37,310	39,752	665	39,087	..
	Total ..	182,281	164,107	1,377	162,730	1,967 2
Total, Fourth Circle.	Special protection ..	675,518	670,990	11,292	659,698	6,884 0
	General do. ..	1,094,000	1,128,131	30,406	1,097,725	..
	Grand Total ..	1,769,518	1,799,121	41,698	1,757,423	6,884 0
	<i>Fifth Circle.</i>					
Kollegal.	Special protection ..	32,359	17,984	..	17,984	457 0
	Early burning ..	17,726	..	..	..	..
	General protection ..	542,859	587,846	44,102	543,744	280 0
	Total ..	592,944	605,830	44,102	561,728	737 0
North Coimbatore.	Special protection ..	2,867	1,065	202	863	134 0
	Early burning ..	17,600	25,640	..	25,640	288 0
	General protection ..	490,166	505,693	19,441	486,252	1,108 0
	Total ..	510,633	532,398	19,643	512,755	1,530 0
South Coimbatore.	Special protection ..	4,589	4,813	141	4,672	1,777 0
	Early burning ..	90	90	..	90	41 0
	General protection ..	232,974	241,939	1,208	240,731	42 0
	Total ..	237,653	246,842	1,349	245,493	1,860 * 0
Madura.	Special protection ..	89,045	89,495	4,6 0	81,805	2,214 0
	Early burning ..	128,005	129,222	820	128,402	974 0
	General protection ..	192,047	194,769	2,419	192,370	..
	Total ..	409,097	413,506	7,929	405,677	3,188 0
Tinnevely.	Special protection ..	132,662	135,537	5,467	130,070	381 0
	Early burning ..	..	..	..	..	..
	General protection ..	104,492	107,400	1,309	106,091	..
	Total ..	237,154	242,937	6,776	236,161	381 0
Circle, Total.	Special protection ..	261,522	248,894	10,520	238,394	4,963 0
	Early burning ..	163,421	154,952	820	154,152	1,303 0
	General protection ..	1,562,538	1,637,667	68,479	1,569,188	1,430 0
	Grand Total ..	1,987,481	2,041,513	79,799	1,961,714	7,696 0
	<i>Sixth Circle.</i>					
Mangalore, North.	Early burning ..	7,103	8,455	..	3,455	54 0
	Special protection ..	68,394	68,765	2,140	68,625	1,766 0
	General do. ..	153,503	157,676	912	156,764	290 0
	Total ..	229,000	229,896	3,052	226,844	2,110 0

* Excludes Rs. 433 spent in 1929-30 but adjusted by Mount Stuart Commercial concern in 1930-31.

Area of forest tracts protected from fire during the calendar year 1930—cont.

District.	Forest tracts.	Area protected during the previous year.	During the year under report.			Cost during the year under report.
			Area attempted to be protected.	Fires.	Actually protected.	
	<i>Sixth Circle—cont.</i>	ACS.	ACS.	ACS.	ACS.	RS.
Mangalore, South.	Special protection ..	(a) 283,905	286,519	3,188	283,331	1,821 *
	Early burning ..	47,935	47,935	..	47,935	78
Wynaad.	Special protection ..	101,977	112,646	8,341	104,305	1,905
	General protection ..	(b) 7,530	7,530	470	7,060	..
	Total ..	157,442	168,111	8,811	159,300	1,983
Nilambur.	Special protection ..	80,169	80,289	30	80,259	3,699 *
The Nilgiris.	Special protection ..	70,985	81,265	3,789	77,476	2,919 *
	General do. ..	223,374	228,477	5,670	222,807	..
	Total ..	294,359	309,742	9,459	300,283	2,919
Palghat.	Special protection ..	115,327	116,772	2,678	114,094	2,681 *
	General do. ..	47,188	47,380	2,948	44,432	..
	Total ..	162,515	164,152	5,626	158,526	2,681
Total, Sixth Circle.	Early burning ..	55,038	51,390	..	51,390	132
	Special protection ..	720,757	746,256	20,165	726,090	14,791
	General do. ..	431,595	441,063	9,844	431,063	290
	Total ..	1,207,390	1,238,709	30,166	1,208,543	15,213
Parlakimedi Maliahs.	General protection ..	112,112	112,895	5,347	107,548	592
Total, Presidency.	Special protection ..	2,461,519	2,629,325	238,160	2,391,184	31,415
	Early burning ..	497,539	589,968	7,106	582,862	3,840
	General protection ..	6,287,994	6,529,350	246,018	6,283,176	7,151
	Total ..	9,247,052	9,748,643	491,284	9,257,222	47,406

* No early burning.

(a) This includes the area of five reserved blocks notified under section 4 of the Forest Act.
(b) Omitted in the last year's return by mistake.

ANNUAL FORM No. 32.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1930-31.

Districts.	Closed to all animals.		Open to grazing.			
			Of all animals except goats.		Of all animals except browsers (sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
FIRST CIRCLE.						
<i>Reserved Forests.</i>						
	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjam	105	..	520	..	..	..
Vizagapatam ..	11	..	204	..	59	..
Godavari, Upper ..	4	..	826	..	..	..
Do. Lower ..	91	..	400	..	..	..
Guntur	62	..	218	..	332	..
Nellore	155	185	32	..	..	..
Total ..	428	185	2,200	..	391	..
<i>Reserved Lands.</i>						
Vizagapatam ..	..	..	2	..	..	..
Godavari, Upper ..	..	..	19	..	..	..
Do. Lower ..	..	..	40	..	..	..
Guntur	..	..	1	..	..	..
Total ..	..	..	62	..	..	..
Grand Total ..	428	185	2,262	..	391	..
SECOND CIRCLE.						
<i>Reserved Forests.</i>						
Anantapur	22	2	550	2	..	..
Kurnool, East ..	2	..	908	37	..	..
Do. South ..	34	..	631	..	..	..
Do. West ..	11	..	843	..	..	..
Cuddapah, North ..	32	..	726	..	..	..
Do. South ..	77	..	594	..	..	..
Total ..	178	2	4,250	39	..	..
FOURTH CIRCLE.						
<i>Reserved Forests.</i>						
Chittoor	119	..	459	..	..	..
Vellore	41	..	665	..	..	..
Salem, North ..	17	..	550	..	..	..
Do. Central ..	24	..	689	..	..	..
Do. South ..	5	..	251	..	..	..
Total ..	206	..	2,614	..	..	..

Area closed and open to grazing during 1930-31—cont.

Districts.	Closed to all animals.		Open to grazing.			
			Of all animals except goats.		Of all animals except browsers (sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
FOURTH CIRCLE—cont.						
<i>Reserved Lands.</i>						
Chittoor	..	..	..	..	..	..
Vellore	..	..	..	..	..	..
Salem, North ..	..	..	..	..	..	..
Do. Central ..	..	..	6	..	..	..
Do. South ..	..	..	30	..	..	..
Total ..	..	..	36	..	..	..
FIFTH CIRCLE.						
<i>Reserved Forests.</i>						
Kollegal	52	..	895	..	..	..
Coimbatore, North ..	23	..	809	..	..	..
Do. South ..	214	..	172	..	..	..
Madura	127	..	324	..	195	..
Tinnevely	225	2	171	..	..	9
Total ..	641	2	2,371	..	195	9
SIXTH CIRCLE.						
<i>Reserved Forests.</i>						
Mangalore, North ..	25	..	334	..	..	..
Do. South ..	11	..	427	..	..	..
Wynaad	2	..	261	..	..	..
Nilambur	108	..	..	..	..	..
The Nilgiris	23	..	461	..	..	..
Palghat	143	..	100	..	10	..
Total ..	312	..	1,583	..	10	..
<i>Reserved Lands.</i>						
Mangalore, South ..	..	..	9	..	..	..
Nilambur	18	..	..	..	..	..
The Nilgiris	..	..	6	..	..	..
Total ..	18	..	15	..	..	..
Grand Total ..	330	..	1,598	..	10	..
Parlakimedi Maliahs ..	3	..	173	..	..	..
Grand total, Presidency, Reserves.	1,765	189	13,018	39	596	9
<i>Reserved Lands</i> ..	21	..	286	..	..	..
Total ..	1,786	189	13,304	39	596	9

Return of grazing in the State forests during 1930-31—*cont.*

Note for First Circle—

Note for First Circle—

- (a) Six annas per buffalo, 3 annas per cow or bullock and 1 anna 6 pies per sheep.
- (b) One rupee per buffalo, 8 annas per cow or bullock and 4 annas per sheep.
- (c) Twelve annas per buffalo, 6 annas per cow or bullock and 3 annas per sheep.
- (d) One anna per buffalo or cow.
- (e) Four annas per buffalo, 2 annas per cow or bullock and one anna per sheep.
- (f) Kancha fees realized.

(c) One rupee per plough bull.

(g) Sale-proceeds of grass.
(h) Excludes Rs. 81 being outstandings of previous year collected during the year.
(i) Kanaha revenue converted into number of cow units as per instructions in Chief Conservator's Proceedings No. 335, Press, dated 6th December 1924.

Grazing on payment—Number of animals.										
District.	At enhanced or special rates.					At full rates.				
	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
SECOND CIRCLE.					Rs.					Rs.
Anantapur ..	..	..	..	..	..	(a) 572 (b) 889 (c) 1,209	(a) 15,354 (b) 14,123 (c) 5,956 (d) 152	(a) 19,871 (b) 9,261 (c) 12,639 ..	.. .. ..	13,217 7,699 2,755 152
Kurnool, East.	..	..	..	..	..	(a) 3,712 Calves (b) 546	(a) 17,363 (d) 390 (b) 6,610	(d) 38,146 (e) 250 (b) 176	.. .. ..	21,002 129 7,790
Do. South.	..	..	..	..	..	(a) 3,976 ..	(a) 14,179 (*) 1,122	(a) 26,946 ..	.. ..	16,808 570 (m)
Do. West.	..	..	..	..	..	(a) 6,645 (b) 22	(a) 27,799 (b) 5,808	(a) 37,034 (b) 29	.. (f) 1	28,142 5,867
Cuddapah, North.	..	..	..	..	..	(h) 3,571 ..	(h) 12,398 (g) 11,034	(h) 49,243 ..	.. ..	16,561 11,034
Cuddapah, South.	..	(g) 120	..	..	120	(h) 399 ..	(h) 18,289 (l) 2,796	(h) 2,828 ..	.. ..	14,984 ..
Total ..	..	120	..	..	120	21,541	153,373	220,423	1	1,46,710

District.	Grazing on payment—Number of animals— <i>cont.</i>										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.												
	Buttaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	(12)	(13)	(14)	(15)	(16)	(17)	Buttaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	(23)	(24)	(25)	(26)	(27)	(28)	(29)
SECOND CIRCLE — <i>cont.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Anantapur	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	23,828
Kurnool, East.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	31,822
Do. South.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	17,468
Do. West.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	34,937
Cuddapah, North.	..	(i) 405	(k) 350	..	95	265	(a) 255	(a) 875	(a) 1,198	..	928	(h) 49	..	..	..	..	..	..	..	..	..	..	37,897
Cuddapah, South.	..	(j) 126	..	..	..	..	..	(h) 518	..	..	194	..	..	..	..	..	..	..	..	..	..	..	15,298
Total	..	531	350	..	96	265	632	2,327	3,315	..	3,789	52	43	..	..	..	..	..	..	..	..	..	1,50,946

Note for Second Circle—

I. Anantapur—

i. Anantapur—
 (a) Buffaloes at Re. 1, cows at 8 annas; sheep at 4 annas.
 (b) Buffaloes at 12 annas; cows at 6 annas; sheep at 3 annas.
 (c) Buffaloes at 6 annas; cows at 3 annas; sheep at 1½ annas.
 (d) Cows at Re. 1.

II. 3 Kurnool divisions—

(a) Buffaloes at 12 annas; cows at 8 annas; sheep at 4 annas.
 (b) Buffaloes at Rs. 2; cows at Re. 1; sheep at 8 annas.
 (d) Non-penta calf (cow) at 4 annas.

(c) Lamb at 2 annas.

(f) Horse (other animals) at Re 1

(f) Horse (other animals) at Re. 1.
(m) Kancha fees realized

(m) Kancha fees realized.

(*) Kancha revenue converted into number of cow units as per instructions in Chief Conservator's Ref. No. 335, dated 5th December 1924.

Return of grazing in the State forests during 1930-31—cont.

District.	Grazing on payment—Number of animals.							At full rates.			
	At enhanced or special rates.				By right under settlement.			During pleasure of Government or otherwise than under settlement.			
	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
FOURTH CIRCLE.					rs.					rs.	
Chittoor ..	..	..	..	..	..	(a) 255	13,055	7,333	..	8,616	
Vellore ..	(c) 9	2,669	..	..	2,687	(b) 679	36,875	9,201	..	16,687	
Salem, North ..	..	..	..	..	..	(a) 558	57,882	25,351	..	36,837	
Do. Central ..	..	9,097	..	..	9,097	(c) 1,578	54,515	1,634	..	28,849	
Do. South ..	..	..	..	..	..	(g) 120	44,460	2,506	..	470	
						(g) 224	36,510	11,714	..	(f) 55	
						(g) 3	21,208	1,380	..	28,438	
						..	(b) 7,280	21,148	..	18,768	
						..	..	27,675	..	3,965	
Total ..	9	11,766	..	..	11,784	3,417	270,786	111,217	..	1,53,746	

Return of grazing in the State forests during 1930-31—cont.

District.	Grazing on payment—Number of animals—cont.						Grazing free—Number of animals.								Grand total of value at full rates.			
	At privileged rates.						By right under settlement.				During pleasure of Government or otherwise than under settlement.							
	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Actual.	Value at full rates.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buttaloos.	Cows and bullocks.	Goats and sheep.		Other animals.	Value of fees at full rates.	Total value of fees at full rates.
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	
FOURTH CIRCLE																		
—cont.																		
Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	24,303
Vellore	(b) 12	198	15	..	86	115	..	..	..	..	..	..	..	..	..	..	..	57,575
	(d) 3,937	27,192	5,567	23	7,101	18,986	..	..	..	..	..	..	..	..	..	..	..	29,374
Salem, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	66,562
Do. Central	..	11,190	..	..	(h) 1,398	6,294	..	..	..	..	..	..	..	..	..	..	..	23,061
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2,00,875
Total	3,949	38,580	5,582	23	8,585	25,345	..	..	..	..	..	..	..	..	..	..	..	2,00,875

Note for Fourth Circle—

One buffalo = 2 cows = 4 sheep.

(a) Eight annas per cow unit.

(b) Six annas per cow unit.

(c) One rupee per cow unit.

(d) Three annas per cow unit.

(e) Twelve annas per buffalo, eight annas per cow, four annas per sheep.

(f) Revenue realized by issue of permits to permit issuing officers.

(g) Nine annas per cow unit.

(h) Grazing assessment for 11,190 cow units at two annas per cow unit in Attur and Harur ranges.

Return of grazing in the State forests during 1930-31—cont.

District.	Grazing on payment—Number of animals.									
	At enhanced or special rates.					At full rates.				
	Buttaloos.	Cows and bul-looks.	Goats and sheep.	Fees received.	Buttaloos.	Cows and bul-looks.	Goats and sheep.	Other animals (Cow calves).	Fees received.	At privileged rates. Buttaloos. (11) Cows and bul-looks. (12)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
SIXTH CIRCLE.										
<i>Reserved Forests.</i>										
Mangalore, North	..	(a) 15,599	..	1,950	1,285	11,976	..	..	5,294	..
Mangalore, South	..	..	..	..	2,491	17,619	..	..	8,164	..
Wynaad	..	..	..	..	2,084	3,627	..	..	3,898	..
Nilambur	..	..	..	..	..	..	..	..	..	..
The Nilgiris.	(b) 15	303	..	167	6,960	13,419	1,883	19	5,310	..
Palghat ..	12	(c) 7,000	31,150	169	..	4,942	1,859	..	2,948	..
		1,352	49	1,400	10					
Total ..	27	24,254	31,199	3,686	12,830	51,613	3,752	19	25,614	..
<i>Reserved Lands.</i>										
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..

(a) Includes buttaloos.

(b) No grazing allowed. Per each head of

(c) Slaughter cattle.

Enhanced rates—
South Mangalore—Cattle admitted to
Kulgunda cattle fair at As. 2 each.

Full rates—
North and South Mangalore ..
Wynaad and Palghat ..
The Nilgiris ..

Buttaloos and sheep.
Rs. A. P. Rs. A. P. Rs. A. P.
.. 0 10 0 0 6 0 ..
.. 1 0 0 0 8 0 0 4 0
.. 0 6 0 0 3 0 0 1 6

The Nilgiris ..
Buttaloos, Re. 1.
Cow, As. 8.
Cow, As. 3 per 50 per
day; sheep, As. 14
per 50 per day.
Buttaloos, Rs. 2 each.
Cow, Re. 1 each.
Sheep, As. 8 each.

Return of grazing in the State forests during 1930-31—cont.

District.	Grazing free—Number of animals.									
	Grazing on payment—Number of animals—cont.					By right under settlement.				
	At privileged rates—cont.	Fees received.		Value at full rates.		Buttaloos (17)	Cows and bullocks (18)	Goats and sheep (19)	Other animals (20)	Value of fees at full rates (21)
	Goats and sheep (13)	Other animals (14)	Actual (15)	Value at full rates (16)						
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
SIXTH CIRCLE.										
<i>Reserved Forests.</i>										
Mangalore, North	..	..	..	..	..	..	..	..	..	..
Mangalore, South	..	..	..	..	..	..	..	..	..	..
Wynaad	..	..	..	..	..	..	..	..	..	..
Nilambur	..	..	..	..	..	..	..	..	..	..
The Nilgiris.	..	..	..	..	..	..	..	..	..	..
Palghat ..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	..	..	..	170	289	..	..	181
<i>Reserved Lands.</i>										
The Nilgiris ..	..	..	..	..	..	938	252	..	..	399

Grand total of value at full rates.

Total value of fees at full rates.

Value of fees at full rates.

Other animals.

Goats and sheep.

Cows and bullocks.

Buttaloos.

Value of fees at full rates.

Other animals.

Goats and sheep.

Cows and bullocks.

Buttaloos.

Value at full rates.

Actual.

Other animals.

Goats and sheep.

Cows and bullocks.

Buttaloos.

Return of grazing in the State forests during 1930-31.

District.	Grazing on payment—Number of animals.										At privileged rates.	
	At enhanced or special rates.					At full rates.					At privileged rates.	
	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Parlakimedi Malahs ..	..	..	..	..	..	..	2,933	320	..	1,455 9	..	..
Total, Departmental areas, Reserves ..	7,651	44,053	31,342	..	25,531	59,745	793,496	449,004	21	5,35,861 0	11,371	102,240
Unreserved lands ..	6,806	5,555	..	..	7,188	2,335	2,933	330	..	1,456 0	..	..
Grand Total ..	14,457	49,608	31,342	..	32,719	62,081	796,429	449,324	21	5,37,317 0	11,371	102,240
Total, Panchayat areas ..	3,425	53,086	43,957	..	54,584	16,228	222,581	479,311	..	2,55,522 0	5,488	112,732
Grand Total, Presidency.	17,882	102,694	75,309	..	87,303	78,309	1,019,010	928,635	21	7,92,839 0	17,359	114,972

Return of grazing in the State forests during 1930-31—cont.

District.	Grazing on payment—Number of animals—cont.				Grazing free—Number of animals.											
	* At privileged rates—cont.				By right under settlement				During pleasure of Government or otherwise than under settlement.				Total value of fees at full rates.			
	Goats and sheep.	Other animals.	Fees received.	Value at full rates.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Total value of fees at full rates.	Grand total of value at full rates.
(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
Parlakimedi Malahs.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total, Departmental areas, Reserves ..	15,797	23	17,971	41,164	1,310	7,666	3,315	..	5,407	6,691	65,754	209	..	14,880	19,037	6,21,938 0 0
Unreserved lands ..	..	..	..	..	..	..	..	..	..	938	252	..	..	..	399	9,043 0 0
Grand Total ..	15,797	23	17,971	41,164	1,310	7,666	3,315	..	5,407	7,629	66,006	209	..	14,880	19,436	6,30,981 0 0
Total, Panchayat areas.	58,463	..	14,272	17,077	13	1,009	657	..	767	120	405	..	..	121	..	3,32,814 0 0
Grand Total, Presidency.	74,260	23	32,243	58,241	1,323	8,675	3,972	..	6,174	7,749	66,411	209	..	15,001	19,436	9,62,795 0 0

* Genuine inhabitants of the Agency except professional graziers are permitted to graze cattle free of charge and without licence on permit.

A. P.
Buttaloos at 6 0 per head.
Cows at 3 0 "
Sheep at 1 6 "

Note.—Grazing on payment at enhanced or special rates is nil.

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

Circle.	Buffaloes.	Bullocks and cows.	Sheep.	Other animals.	Total.
First Circle ..	35,612	205,434	78,235	..	319,281
Second „ ..	21,541	153,373	220,428	..	395,337
Fourth „ ..	7,375	321,131	116,799	23	445,328
Fifth „ ..	8,389	188,858	45,385	1	242,633
Sixth „ ..	12,657	75,886	34,951	..	123,494
Parlakimedi Maliahs.	2,335	2,933	320	..	5,588
Total, Departmental areas ..	87,909	947,615	496,118	24	1,531,661
Panchayat areas ..	25,641	288,399	581,741	..	895,781
Grand Total ..	113,550	1,236,014	1,077,854	..	2,427,442

ANNUAL FORM No. 34-A.

Progress in afforestation and regeneration under working plans or schemes during the year 1930-31.

ANNUAL

Forest Department,

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during period.	Method of treatment.	Area on which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
FIRST CIRCLE.					
Ganjam	Plain Sal Timber Working Circle.	YEARS 1919-20 to 1933-34	ACS. 2,506	Clear felling and regeneration.	ACS. ..
	Ravine Working Circle.	1920-21 to 1939-40	2,605	Do.	..
Vizagapatam	Sal Working Circle.	1927-28 to 1961-62	681	Do.	..
Godavari Lower	Casuarina Plantation, Kandikuppa Reserve Forest.	1924-25 to 1933-34	682	Planting up with seedlings, 7' x 7'.	64
Nellore	Casuarina Working Circle, Sriharikota Range.	1929-30 to 1938-39	500	Do.	52
	Total ..	..	6,974	..	116
SECOND CIRCLE.					
<i>Anantapur Division.</i>					
<i>Bukkapatnam Range.</i>					
1. Amagondapalyam Reserve.	Compartments 1 and 2.	1905-06 to 1913-14	..	Sowing in patches of 1' square.	..
2. Amagondapalyam Reserve.	Do.	1919-20 to 1927-28	..	Dibbling in bushes.	..
<i>Madanapalle Range.</i>					
3. Horsleykonda Extension (A).	....	1925-26 and 1927-28	..	Dibbling in bushes.	..
4. Horsleykonda Extension (B).	....	1924-25 to 1927-28	..	Do.	..
5. Horsleykonda Extension, main.	....	1921-22	..	Do.	..
	....	1922-23 to 1927-28	..	Do.	..
6. Avulakonda .. ..	....	1921-22	..	Do.	..
	....	1922-23 to 1927-28	..	Do.	..

Form No. 34-A.

Madras Presidency.

Plans or schemes during the year 1930-31.

Area on which regeneration commenced during the year, 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year, 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
(7)	Previous.	During year, 1st April 1930 to 31st March 1931.	Total to 31st March 1931.	(11)	Creation.	Upkeep.	Creation.	Upkeep.	(16)	(17)
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
201	1,923	201	2,124	..	764	1,269	8,029	11,850	..	..
115	594	114	708	..	498	322	4,738	3,699	..	..
18	(a) 92	5	97	13	10	92	32	168	..	..
64	334.8	74	408.8	54	1,279	556	10,332	1,566	380	3,361
50	..	102	102	..	1,216	494	(b) 2,074	(b) 493	..	..
448	(a) 2,943.8	496	3,439.8	67	3,767	2,733	25,205	7,776	380	3,361
..	510	..	510	..	..	..	..	..	..	..
..	19.50	..	19.50	..	..	..	263	262	..	..
..	0.40	..	0.40	..	..	..	..	..	..	..
..	0.70	..	0.70	..	..	..	..	..	..	..
..	6.00	..	6.00	..	..	..	272	285	..	..
..	5.80	..	5.80	..	..	..	..	..	..	..
..	2.00	..	2.00	..	..	..	139	..	..	..
..	7.50	..	7.50	..	..	..	..	..	..	..

(a) Correct area

(b) The correct amount

JB. 211/N31

N30.113

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Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.					
<i>Anantapur Division—cont.</i>					
Madanapalle Range.—cont.					
7. Pentsupad	..	1921-22 to 1927-28	..	Dibbling in bushes.	..
8. Tavalam Reserved Forest.	..	1921-22 to 1926-28	..	Do.	..
Hospet Range.					
9. Savapuram Reserved Forest.	..	1927-28	..	Do.	..
10. Bukkapatnam range ..	12 beats	1928-29	12	Dibbling seeds.	12
11. Madanapalle range.	17 beats	Do.	17	Do.	16
12. Hospet range	9 beats	Do.	9	Do.	9
13. Ganganapalle range.	8 beats	Do.	8	Do.	8
14. Vempalli range ..	11 beats	Do.	11	Do.	11
Bukkapatnam Range.					
15. Amagondapalem (E).	Beat	1929-30 to 1938-39	10	Do.	1
16. Amagondapalem (West).	Do.	Do.	10	Do.	1
17. Gangireddipalle beat.	..	Do.	10	Do.	1
18. Kondakamerla beat ..	..	Do.	10	Do.	1
19. Bukkapatnam beat ..	..	Do.	10	Do.	1
20. Narasampalli beat ..	..	Do.	10	Do.	1
21. Erlampalli beat	..	Do.	10	Do.	1
22. Nallamadda beat	..	Do.	10	Do.	1
23. Mylasamudram beat ..	..	Do.	10	Do.	1
24. Ganginepalli beat ..	..	Do.	10	Do.	1
25. Darsimala beat	..	Do.	10	Do.	1
26. Jannanulapalli beat ..	..	Do.	10	Do.	1
Madanapalle Range.					
27. Tavalam beat	..	Do.	10	Do.	1
28. Chalimamidi beat ..	..	Do.	10	Do.	1
29. Pensupad beat	..	Do.	10	Do.	1
30. Arimanipenta beat ..	..	Do.	10	Do.	1
31. Kandlamadugu beat ..	..	Do.	10	Do.	1
32. Horsleykonda plateau.	..	Do.	10	Do.	1
33. Do. Bunga-low beat.	..	Do.	10	Do.	..
34. Chigulabailu beat ..	..	Do.	10	Do.	1
35. Tittu beat	..	Do.	10	Do.	1

Plans or schemes during the year 1930-31—cont.

[illegible]

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was in progress at commencement of year 1st April 1930.
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.					
<i>Anantapur Division—cont.</i>		YEARS.	ACS.		ACS.
Madanapalle Range—cont.					
36. Chamalagondi beat	..	1929-30 to 1938-39	10	Dibbling seeds.	1
37. Edurudona beat	..	Do.	10	Do.	1
38. Kekkanti beat	..	Do.	10	Do.	1
39. Thummala South beat	..	Do.	10	Do.	1
40. Thummala North beat	..	Do.	10	Do.	1
41. Kuntlapalli beat	..	Do.	10	Do.	1
42. Kalasamudram beat	..	Do.	10	Do.	1
43. Kurli beat	..	Do.	10	Do.	1
Hospet Range.					
44. Moka beat	..	Do.	10	Do.	1
45. Chilakerahetti beat	..	Do.	10	Do.	1
46. Kallahalli beat	..	Do.	10	Do.	1
47. Bandri beat	..	Do.	10	Do.	1
48. Gunda beat	..	Do.	10	Do.	1
49. Sivapuram beat	..	Do.	10	Do.	1
50. Somalapuram beat	..	Do.	10	Do.	1
51. Banavasi beat	..	Do.	10	Do.	1
52. Kupgal beat	..	Do.	10	Do.	1
Ganganapalli Range.					
53. Gondipalli beat	..	Do.	10	Do.	1
54. Nandimandalam beat	..	Do.	10	Do.	1
55. Ellatur beat	..	Do.	10	Do.	1
56. Gollapalli beat	..	Do.	10	Do.	1
57. Jamalpalli beat	..	Do.	10	Do.	1
58. Ganganapalli beat	..	Do.	10	Do.	1
59. Maddimadugu beat	..	Do.	10	Do.	1
60. Cherlopalli beat	..	Do.	10	Do.	1
Vempalli Range.					
61. Palyam Gollapalli beat	..	Do.	10	Do.	1
62. Dinnupadu beat	..	Do.	10	Do.	1
63. Vempalle beat	..	Do.	10	Do.	1
64. Elamananpalle beat	..	Do.	10	Do.	1

Plans or schemes during the year 1930-31 --cont.

[illegible]

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was in progress at commencement of year 1st April 1929.
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.					
<i>Anantapur division—cont.</i>					
Vampalli Range—cont.					
65. Komarkalva beat ..	....	1929-30 to 1938-39	10	Dibbling seeds.	1
66. Rachakuntapalli beat.	....	Do. ..	10	Do. ..	1
67. Gunnala cheruvu beat	....	Do. ..	10	Do. ..	1
68. Talpula beat ..	....	Do. ..	10	Do. ..	1
69. Idupulapaya North beat.	....	Do. ..	10	Do. ..	1
70. Idupulapaya South beat.	....	Do. ..	10	Do. ..	1
71. Chilkampalli beat ..	....	Do. ..	10	Do. ..	1
Total ..	....	..	627	..	111
<i>Kurnool East division.</i>					
1. Maddipenta felling series.	Coppice with standards working circle.	40 from 1928-29.	1,285	Clear-felling and artificial regeneration by broadcast sowing on burnt debris.	107
2. Mogulutla felling series.	Do.	Do. ..	2,278	Do.	189
3. Thunmalabailu felling series.	Do.	Do. ..	2,266	Do.	95
Dornal Range.					
4. Nine beats and 5 sections.	Sandal propagation working circle.	10 from 1928-29.	140	Dibbling seeds in patches amidst bushes or nurseries along streams at six seeds per patch by subordinates free of cost.	28
Turimella Range.					
5. Ten beats and 3 sections.	Do.	Do. ..	130	Do.	26
6. Ganjivaripalli range. (five beats and 2 sections).	Do.	Do. ..	70	Do.	14

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.		ACS.	ACS.	RS.	RS.	RS.	RS.		
1	..	..	..	2	..	..	..	..	..	..
1	..	..	..	2	..	..	..	..	..	..
1	..	..	..	2	..	..	..	..	..	..
1	..	..	..	2	..	..	..	..	..	..
1	..	..	..	2	..	..	..	..	..	..
1	..	..	..	2	..	..	..	..	..	..
1	..	..	..	2	..	..	..	..	..	..
56	559-80	..	559-30	167	..	..	711	567	..	..
17	..	..	..	124	24	20	24	30	..	..
..	..	..	..	189	..	34	54	95	..	..
..	..	..	..	95	..	20	29	49	..	..
14	..	..	..	42	..	..	..	..	..	..
13	..	..	..	39	..	..	..	..	..	..
7	..	..	..	21	..	..	..	..	..	..

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was in progress at commencement of year 1st April 1930.
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.					
<i>Kurnool East division—cont.</i>					
(7) Markapur Range (seven).		YEARS.	ACS.		ACS.
Beats and 1 section	Sandal propagation working circle.	10 from 1928-29.	80	Dibbling seeds in patches amidst bushes or nurseries along streams at six seeds per patch by subordinates free of cost.	11
(8) Erragondapalem Range six beats	Do.	Do.	60	Do.	12
	Total ..	..	6,289	..	482
<i>Kurnool West division.</i>					
	Old Veldurthi working circle new babul working circle.	10 years ..	15	Cultural operation and sowing of palmyra seeds in $\frac{1}{4}$ acre.	..
	Gundlabrahmeswaram old working plan sanctioned in B.P.F. No. 132, dated 24th July 1912.	Do.	10	Stump planting with teak and nallamaddi seeds in blocks over 15 chains.	9.50
	Old Pecheruvu working plan sanctioned in C. C. P. No. 308, Mis., dated 8th December 1925	5 ..	Tending in sandal coupes.	Tending operations.	55.00
	..	..	..	Dibbling sandal seeds.	231.00
<i>Under New Nallamalais :</i>					
Working Plan pending sanction.					
Gundlabrahmeswaram range.	High forest working circle, Gundlabrahmeswaram series.	10 years ..	10	Clear-felling and artificial regeneration	..

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year, 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During year, 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.		ACS.	ACS.	RS.	RS.	RS.	RS.		
12	..	..	..	23	..	..	..	..	..	..
6	..	..	..	18	..	..	..	..	..	..
69	..	..	..	551	24	74	107	174	..	..
..	17.50	..	17.50	..	..	..	81	191	..	..
..	0.60	..	0.60	9.50	..	..	..	242	..	..
..	..	..	..	55.00	..	..	..	25	..	..
..	6.00	..	6.00	231.00	14	..	153	40	..	..
15.00	..	..	..	15.00	..	202	..	202	..	..

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was in progress at commencement of year 1st April 1930.
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.					
SANDALWOOD PROPAGATION CENTRES.					
Nandyal Range	Ramanapenta series.	10	10	Clear felling and artificial regeneration.	..
Pechiruvu Range	Pole coupe I of 1929-30.	Do.	..	Dibbling seeds in debris burnt patches	..
Gundlabrahmeswaram Range.	Pole Working circle, Pole coupe of Sudem, Pangidi and Rudraode.	Do.	..	Staking seedlings in pole coupes.	99
	Do.	..	..	Cutting useless species for purpose of artificial regeneration.	..
	Pole Working circle, Pole coupe of Pangidi series.	..	..	Heaping up burning debris.	..
Bairluty Range	Pole Working circle, Pole coupe of Bairluty, Nagaluty and Pasurutta series.	..	..	Clearing the bamboo regrowth, burning the useless stuff, sowing seeds in burnt patches and staking the seedlings.	289
Total ..		..	45	..	688-50
North Ouddapah division.					
Sidhout Range.					
Sandal sowing in six beats.	Sandal Working circle, sanctioned in Chief Conservator's Proceedings No. 274, Press, dated 1st August 1928.	1928-29	30	Dibbling of sandal seeds shall be done in thorny bushes and under growth in 100 patches in each plot of 4 ares.	4-00
Badvel Range.		1938-39.	40		7-75
Sandal sowing in eight beats.		Do.	50		6-50
Porumamilla Range.		Do.	60		8-50
Sandal sowings in ten beats.		Do.	50		8-19
Vonipenta Range.		Do.	50		8-19
Sandal sowings in twelve beats.					
Vontimitta Range.					
Sandal sowings in ten beats.					

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year (31st March 1931).	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During the year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.		ACS.	ACS.	RS.	RS.	RS.	RS.		
15-00	..	..	..	15-00	..	191	..	191	..	..
26-00	..	..	..	26-00	..	13	..	13	..	..
101	..	..	..	200	..	24	..	24	..	..
..	..	..	..	..	..	73	..	332	..	..
..	..	..	..	..	..	..	..	12	..	..
..	..	..	..	289	..	..	..	638	..	..
157-00	24-10	..	24-10	840-50	14	503	234	1,910	..	..
3-00	..	..	..	7-00	..	..	..	..	..	..
4-00	..	..	..	11-75	..	..	..	..	..	..
5-00	..	..	..	11-50	..	..	..	..	..	..
6-00	..	..	..	14-50	..	..	..	..	..	..
5-00	..	..	..	13-19	..	..	..	..	..	..

Progress on afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE —cont.					
SANDALWOOD PROPAGATION CENTRES—cont.			ACS.		ACS.
<i>North Cuddapah division</i> —cont.					
<i>Vontimitta Range—cont.</i>					
Vanesvaram sandal plot ..	These plots were existing before the sanction of the current Working Plan.	..	..	..	0.62
Rollabodu sandal plot ..		..	..	..	0.81
Kothabhavi sandal plot ..		..	..	..	35.00
Thurthalu sandal plot ..		..	..	..	0.50
Byreni sandal plot ..		..	..	..	0.50
Chinnaletipatibhavi sandal plot.		..	..	..	0.50
Mamilleru sandal plot ..		..	..	..	0.50
Idamadaka sandal plot ..		..	..	..	0.50
Dasarladoddi sandal plot.		..	..	..	20.00
Artificial regeneration in timber improvement coupes of all ranges.	Timber improvement circle.	1928-29 to 1938-39.	..	Early burning, cutting back seedlings, dumping and burning debris and sowing seeds on ash.	1,041.00
Artificial regeneration in fuel coupes of all ranges.	Fuel circle.	Do.	..	Early burning, dumping and burning of debris and sowing of seeds on ash.	..
Total ..			230.00	..	1,184.87
<i>South Cuddapah division.</i>					
<i>Rajampet Range.</i>					
Rajampet improvement felling series.	Coupe V of Rajampet improvement Felling Series.	1920-21	..	Dibbling sandal seeds.	3.00
Rajampet old fuel series ..	Coupe III..	1930-31	0.50	Do.	..

(a) The expenditure noted in column (13) represents cost incurred for early

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year, 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year, 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
(7)	Previous.	During year, 1st April 1930 to 31st March 1931.	Total to 31st March 1931.	(11)	Creation.	Upkeep.	Creation.	Upkeep.	(16)	(17)
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
..	0.62	..	0.62	..	..	5	..	65	..	..
..	0.81	..	0.81	..	..	5	..	53	..	..
..	35.00	..	35.00	..	..	9	..	..	..	..
..	0.50	..	0.50	..	..	5	..	..	..	..
..	0.50	..	0.50	..	..	4	..	..	..	..
..	0.50	..	0.50	..	..	9	..	..	..	..
..	0.50	..	0.50	..	..	5	..	..	..	..
..	0.50	..	0.50	..	..	4	..	..	..	..
..	20.00	..	20.00	..	..	..	..	..	..	..
1,576.00	..	..	..	2,617.00	..	(a) 880	..	(a) 880	..	..
1,937.00	..	..	..	1,937.00	..	(a) 152	..	152	..	..
3,536.00	58.93	..	58.93	4,611.94	..	1,042	36	1,150	..	..
..	3.00	..	3.00	..	..	..	4	..	..	..
0.50	..	0.50	0.50	..	Done free of cost by subordinates.					

burning coupes, cutting back seedlings, dumping of debris and sowing seeds.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was in progress at commencement of year (1st April 1930.)
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.					
SANDALWOOD PROPAGATION CENTRES—cont.					
<i>South Ouddapah Division—cont.</i>					
Kodur Range.					
Gadithalapenta Series.	Fuel Coupe VI ..	1921-22	..	Dibbling sandal seeds.	0.50
Do.	Do. Coupe XVIII ..	Do.	..	Do.	0.50
Do.	Do. Coupe X near Thottamarappagunta.	Do.	..	Do.	1.00
Do.	Do. Coupe XIII near 8th mile.	Do.	..	Do.	1.00
Kodivengambhavi, North beat.	Kodivengambhavi North Improvement Felling Series.	1930-31	0.50	Do.	..
Kodivengambhavi, South beat.	Kodivengambhavi South Improvement Felling Series.	Do.	0.50	Do.	..
Madlobhavi beat (Near Pottetikunta).	Gadela Improvement Felling Series.	Do.	0.50	Do.	..
Gadela beat (Near Nallagattavani kunta.)	Gotlakonda Fuel Series.	Do.	0.50	Do.	..
Balapalli Range.					
Balapalli West Series.	Fuel Coupes II and VII.	1920-21 and 1922	..	Dibbling sandal seeds.	10.00
Thunukonda Fuel Series.	Coupes IV and VII.	1921-22	..	Do.	10.00
Chitvel Range.					
Kodur East Fuel Series ..	Coupe XIII ..	1919-20	..	Dibbling sandal seeds.	4.00
Do. ..	Do. ..	1930-31	0.50	Do. ..	..
Total ..	..	..	3.00	..	30.00
Grand total ..	..	..	7.194	..	2,441.37

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year, 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.		
..	0.50	..	0.50	..	..	..	10	..	..	..
..	0.50	..	0.50	..	..	..	10	..	..	..
..	1.00	..	1.00	..	..	..	..	..	..	..
..	1.00	..	1.00	..	..	..	5	..	..	..
0.50	..	0.50	0.50	..	..	..	Done free of cost by subordinates.			
0.50	..	0.50	0.50	..	..	..				
0.50	..	0.50	0.50	..	..	..				
..	10.00	..	10.00	..	..	..	4	..	..	..
..	10.00	..	10.00	..	..	..	10	..	..	..
..	4.00	..	4.00	..	..	..	6	..	..	..
0.50	..	0.50	0.50	..	..	..	Done free of cost by subordinates.			
3.00	30.00	3.00	33.00	..	..	..	49	..	..	..
3,821.00	672.33	3.00	675.33	6,170.44	38	1,619	1,137	3,801	..	..

Progress in afforestation and regeneration under Working

Division	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
FOURTH CIRCLE.					
<i>Chittoor.</i>					
	Sandal Regeneration Working Circle—All compartments.	1st April 1929 to 31st March 1931.	102	Sandal seeds to be dibbled.	204
	Timber Regeneration Working Circle—Compartment III of each of the four Regeneration series.	Do.	2,428	Early burning, cutting back seedlings early burnt, cutting creepers and sowing seeds in blank areas.	643
Total ..			2,530	..	847
<i>Vellore.</i>					
	Virinchipuram Working Circle.	1888-89 to 1930-31.	Blanks in felled coupes.	Dibbling of seeds of timber species.	..
	Chenur Working Circle.	Do.	Do.	Do.	..
	Kilminnal Working Circle.	Do.	Do.	Do.	..
	Tiruvallam Working Circle.	Do.	Do.	Do.	..
Total ..	..	..	..	..	..
<i>Central Salem.</i>					
	Kurumbapatti Palmyra tope.	16 years from 1926-27.	379	Sowing palmyra seeds.	..
	Shevroys Central Working Circle.	Four years.	321	Planting silver oak and cyprus and sowing seeds of Australian wattle.	..
	Sanniyasimalai Working Circle.	One year.	4	Planting Acacia Deourrens and blue gum.	..

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year (31st March 1931).	Expenditure during year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During the year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
102	..	..	..	306	..	..	..	..	..	..
91	..	..	..	652.1	651	..	1,007	..	..	..
111.1	..	..	..	958.1	651	..	1,007	..	..	..
..	283	..	283	..	..	545	9,552	57,686	1,696	46,762
..	142	..	142	..	..	(a) 493	4,623	4,910	73	7,673
..	104	..	104	..	..	(a) 338 (b) 14	3,157	27,397	4,380	34,953
..	111	..	111	..	..	(a) 826 (b) 16	7,319	62,067	523	37,177
..	640	..	640	..	..	2,232	24,651	1,52,060	6,671	1,26,565
32	75	32	107	..	130	..	442	..	314	1,042
..	143	..	143	..	..	..	..	9,096	..	..
..	4	..	4	..	..	..	108	..	..	..

(a) Cost of establishment.

(b) Cost of collection of Korukapuli seeds and Divi Divi pods.

Progress in afforestation and regeneration under Working.

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area on which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
FOURTH CIRCLE—cont.		YEARS.	ACS.		ACS.
Central Salem—cont.					
.....	Jalluthu Working Circle.	1927-28.	114	1. Felling of fuel coupes under simple coppice.	
			..	2. Sowing of seeds of indigenous species in blank areas.	
Total ..			818	..	..
Grand Total ..			3,348	..	847
FIFTH CIRCLE.					
SOUTH COIMBATORE.					
Regeneration area ..	Mount Stuart Working Circle.	1919 ..	..	Clearing, burning and dibbling teak and other seeds.	..
		1920 ..	..		..
		1921 ..	..		..
		1922 ..	..		..
		1923 ..	..		..
		1924 ..	..		..
		1925 ..	..		..
		1926 ..	..		..
		1927 ..	..		..
		1928 ..	..		..
		1929 ..	..		..
		1930 ..	..		..
		1931 ..	103		(a) 224
Waterfall Plantation ..	.....	1916 ..	..	..	..
Experimental Plantation at Mount Stuart.	.....	..	..	..	..
Experimental Plantation at Karian Shola.	.....	..	..	..	..
Experimental Plantation at Topslip.	.....	..	..	..	..
Planting Eucalyptus seedlings from nursery pits round Topslip.	.....	..	..	..	..
Undersowing Artocarpus Hirsuta.	.....	..	..	..	..

(a) The District Forest Officer reports that the correct area is 224 acres and not 202 noted last year.

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year 1st April 1930 to 31st March 1931.	Area in which regeneration is complete.			Area on which regeneration is still in progress at close of year (31st March 1931).	Expenditure during year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During the year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
..	114	..	114	..	..	..	..	..	..	..
32	336	32	368	..	130	..	550	9,096	314	1,042
143.1	976	32	1,008	958.1	781	2,232	26,208	1,61,156	6,985	1,27,607
..	29	..	29	..	..	24	643	826	..	..
..	8	..	8	..	..	..	584	576	Abandoned.	..
..	29	..	29	..	..	24	546	1,267	..	..
..	126	..	126	..	..	12	3,358	4,308	..	..
..	194	..	194	..	..	46	5,056	6,729	..	..
..	226	..	226	..	..	69	6,459	4,883	..	..
..	260	..	260	..	..	146	9,986	6,531	..	..
..	251	..	251	..	..	60	15,251	1,798	..	..
..	155	..	155	..	..	88	5,406	5,231	..	..
..	144	..	144	..	..	404	4,124	4,050	..	..
..	151	..	151	..	..	1,037	4,133	4,032	..	..
(b) 103	..	224	224	103	1,382	5,193	5,242	5,193	..	..
..	12	..	12	..	3,249	..	3,249	..	..	..
..	5	..	5	..	..	..	..	78	..	..
..	1	..	1	..	..	81	..	93	..	..
..	10	..	10	..	..	..	31	..	..	..
..	..	..	..	..	..	..	57	..	..	..
..	..	..	..	..	..	..	22	..	..	..

(b) Includes 6 acres under control of the Forest Research Officer.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during period.	Method of treatment.	Area on which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
FIFTH CIRCLE—cont.					
SOUTH COIMBATORE—cont.					
Formation of Hopea nurseries.	..	..	..	..	..
Formation of nurseries and gap regeneration area.	..	..	..	..	..
Regeneration plots in compartment IX and X.	Panachi Working Circle.	1924	..	..	..
Two-acre plot in compartment II.			..	..	..
Three-acre plot in compartment XV.			..	..	..
Regeneration area in compartment XIV and XVI.			..	..	..
Ten-acre plot in compartment XV.		1925	..	..	..
Regeneration area in compartment XII and XIII.			..	..	..
Periodic block I			..	..	..
Periodic block			..	..	..
Do.		1926-27	..	..	..
Do.			..	..	..
Do.			..	..	..
Do.			..	..	..
Do.	..	1930	..	..	25
Do.	..	1931	25	..	..
NORTH COIMBATORE.					
Mettupalaiyam range—	..	..	..	Dibbling	..
Mannar Sandalwood Working Circle.	..	..	..	sandal seeds.	..
Jaccanarai Sandalwood compartment.	..	..	..	..	..
MADURA.					
Vannathiparai Cumbum Valley experimental scheme.	..	5 years from 1927-28 to 1932-33.	5	Artificial regeneration of teak, rosewood, etc.	..
Total ..	..	..	133	..	249

NOTE.—Total expenditure on regeneration Rs. 12,306
Add amount relating to 1929-30 adjusted in 1930-31 6,221
Total 18,527 (a)

(a) Excludes Rs. 137 erroneously debited to regeneration and Rs. 336 to be adjusted to Mount Stuart commercial concern.

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year, 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During the year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
..	..	..	..	..	..	..	45	..	..	..
..	..	..	..	..	491	..	491	..	..	..
..	..	..	..	..	5,122	7,184	64,680	44,590	..	..
..	5	..	5	..	..	..	86	128	..	..
..	2	..	2	..	..	99	75	126	..	..
..	3	..	3	..	..	..	146	98	..	..
..	25	..	25	..	..	86	524	1,220	..	..
..	10	..	10	..	..	..	245	404	..	..
..	25	..	25	..	..	..	431	25	..	..
..	25	..	25	..	..	29	327	124	..	..
..	25	..	25	..	..	26	22	183	..	..
..	25	..	25	..	..	20	185	120	..	..
..	25	..	25	..	..	26	160	26	..	..
..	..	25	25	..	86	53	200	53	..	..
25	..	..	..	* 25	169	..	169	..	..	..
..	..	..	..	..	255	339	2,570	2,507	..	..
..	132	..	132	..	..	..	69	75	..	..
..	108	..	108	..	..	..	30	..	..	..
5	18	5	23	..	† 176	142	1,296	142	..	3,753
133	2,029	254	2,283	128	5,553	7,665	68,645	47,314	..	3,753

* Excludes Rs. 340 spent in root wounding rosewood trees in compartments 7, 8 and 9 collection of seeds, experiments in 5 acre sandal plots in compartments 5 and 2 and burning lantana in periodic blocks 1929.

† Excludes Rs. 43 spent on opening nurseries in Surli plateau.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE.					
Mangalore, North	Coupe I, Catechu working series in Baindur and Wandse.	1926-27	375 acres in coupe I, of Baindur and 180 acres in coupe I, of Wandse series.	Fencing and sowing <i>Acacia Sundra</i> (catechu) at stakes 12' x 12' in filled pits 1' x 1' x 10".	120 acres (51 in coupe I Baindur and 69 acres in coupe II, Baindur).
	Coupe II, Catechu working series.	1927-28	580 acres in Baindur coupe II and 785 acres in Wandse coupe II.		75 acres in coupe II, Baindur.
	Coupe III, Catechu working series.	1928-29	550 acres in coupe III Baindur and 1,030 acres in coupe III, Wandse.		13 acres in coupe III Baindur and 76 acres in coupe III, Wandse.
	Coupe IV of Wandse working series.	1929-30	1,470 acres in coupe IV of Wandse series.		34 acres in coupe IV of Wandse series.
	Total ..	..	4,970	..	318
Wynaad	Experimental working circle, Begur and Chedleth ranges.	1892-93 to 1929-30	(a) 1,551	Regular planting and Taungya planting.	..
	Cultural operations in Begur and Chedleth ranges.	..	..	Patch regeneration by dibbling seeds.	..
	Clear-felling working circle in Begur and Chedleth ranges.	1929-30 to 1938-39	(a) 1,500	Concentrated regeneration by stump planting.	152

(a) Total area provided in the Working Plan.

Plans or schemes during the year 1930-31—cont.

Area in which regeneration commenced during the year 1st April 1930 to 31st March 1931.	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year (31st March 1931).	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During the year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
..	..	..	..	120	..	36	352	437	..	..
..	..	..	..	75	..	70	396	406	..	..
..	..	..	..	13	..	25	86	90	..	..
..	..	..	..	76	..	78	440	213	..	..
..	..	..	..	34	..	54	306	54	..	..
..	..	..	..	318	..	263	1,580	1,200	..	..
..	1,395	..	1,395	..	..	6,523	58,386	54,138	491	28,725
..	(b) 227	..	227	..	..	..	1,924	180	..	..
135	..	152	152	135	8,859	..	12,892	..	..	..

(b) Patch or regeneration done in Begur and Chedleth ranges from 1914-15 to 1921-22 now shown in this return as the patches lie in the area covered by Working Plan.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE—cont.		YEARS.	ACS.		ACS.
Wynaad—cont.	Selection felling working circle felling series I and III, Begur and Chedleth ranges.	1929-30 to 1938-39.	(a) 6,924	Patch regeneration by dibbling and stump planting.	576
	Selection felling working circle felling series I.	..	..	Taungya planting.	..
	Improvement felling working circle in Sultan's Battery range.	..	..	Taungya planting and dibbling.	..
		..	..	Patch planting and dibbling.	..
Total ..	..	..	9,975	..	728
Nilambur ..	Plantation working circle.	1928-29 to 1937-38.	1,290	Artificial ..	98
	Conversion working circle.	Do.	2,209	Do. ..	186
	Beypore Cocoonut tope.	1930-31	..	Do. ..	..
Total ..	..	..	3,499	..	284
The Nilgiris ..	Mudumalai clear felling working circle.	1927 to 1937.	300	Artificial regeneration.	20
	Do.	Do.	105 (one acre per 100)	Dibbling sandal seed.	4
	Sandal area, Begur range.	1930-31	25	Do.	..
	Sandalwood area, Coonoor range.	Do.	25	Do.	..
	Nilgiris plantations and Arambly Block V, compartment 178.	Do.	..	Artificial regeneration by planting bluegum.	..
	Baikie Block IV, compartment I.	Do.	..	Do.	..
	Snowdon Block III, compartment 2 B.	Do.	..	Do.	..

(a) Total area provided in the Working Plan.

Plans or schemes during the year 1930-31—cont.

Area on which regeneration commenced during the year (1st April 1930 to 31st March 1931.)	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year (31st March 1931.)	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During the year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
705	..	576	576	705	284	..	481	..	..	..
(b) 29	..	29	29	..	125	..	125	..	..	..
(c) 1	(d) 9	..	10	..	107	..	107	117	..	..
..	(e) 2	..	2	..	..	12	67	88	..	..
870	1,633	758	2,391	840	9,375	6,535	73,982	54,503	491	28,725
82	346	93	439	87	4,415	..	16,329	..	..	..
276	266	186	452	276	11,330	..	31,813	..	..	..
..	37	..	37	..	..	2,144	884	16,363	..	..
358	649	279	928	363	15,754	2,144	49,026	16,363	..	..
35	22.5	35	57.5	20	766	..	3,291	286	677	2,976
29	1	5	6	24	153	9	180	9	..	..
25	50	25	75	..	55	..	183	..	..	..
25	50	25	75	..	60	34	235	68	..	..
..	3.7	..	3.7	..	..	..	95	12	..	..
..	1.5	..	1.5	..	..	..	27	..	..	..
..	4.5	..	4.5	..	..	..	4	..	..	..

(b) Tuckle planting done at Belgole in Selection felling Working Circle Felling Series 1.

(c) Sandal tuckle in Sultan's Battery.

(d) Tuckle planting in Sultan's Battery Range.

(e) Experimental patch regeneration in Sultan's Battery range of sandalwood and satinwood.

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE— <i>cont.</i>		YEARS.	ACS.		ACS.
The Nilgiris— <i>cont.</i>	Snowdon Block III, compartment 3.	1930-31	..	Artificial regeneration by planting bluegum.	..
	Brooklands compartment 3.	Do.	..	Artificial regeneration by planting <i>Eucalyptus eugenioides</i> .	..
	Springfield compartment 2.	Do.	..	Artificial regeneration with <i>Eucalyptus eugenioides</i> .	..
	Springfield compartment 3.	Do.	..	Do.	..
	Springfield compartment 4.	Do.	..	Do.	..
	Springfield compartment 5.	Do.	..	Do.	..
	Coonoor Peak Block II, compartment 2 A.	Do.	..	Artificial regeneration with <i>Eucalyptus globulus</i> .	..
	Governorshola Block IV, compartment 4.	Do.	6.4	Do.	..
	Governorshola Block IV, compartment 1.	Do.	10	Do.	..
	Cairnhill Block I, compartment 9(b).	Do.	3	Do.	..
	Marlimund Block III, compartment 1.	Do.	3.7	Do.	..
	Aramby Block VII, compartment 3.	Do.	8	Do.	..
	Brooklands compartment 4.	Do.	5.3	Do.	..
	Coonoor Peak Block II, compartment 2 B.	Do.	3.2	Do.	..
	Tigerhill Reserved Forest.	Do.	12	Do.	..

Plans or schemes during the year 1930-31—*cont.*

Area on which regeneration commenced during the year (1st April 1930 to 31st March 1931).	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year (31st March 1931).	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During year 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
..	1	..	1	..	..	..	10	..	..	..
..	5	..	5	..	..	..	211	33	..	..
..	5.2	..	5.2	..	..	10	145	28	..	..
..	5.2	..	5.2	..	..	7	141	23	..	..
..	5.8	..	5.8	..	..	29	120	29	..	..
..	5.8	..	5.8	..	..	30	125	30	..	..
..	3.2	..	3.2	..	..	..	36	..	..	..
..	6.4	..	6.4	..	..	..	52	..	..	..
..	10	..	10	..	..	30	178	30	..	..
..	3	0.4	3.4	..	..	2	45	2	..	..
..	3.7	..	3.7	..	..	6	42	6	..	..
..	3	..	3	..	..	4	46	4	..	..
..	5.3	..	5.3	..	..	237	195	237	..	..
3.2	..	3.2	3.2	..	38	..	38	..	..	..
12	..	12	12	..	167	..	167	..	..	..

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE— <i>cont.</i> The Nilgiris— <i>cont.</i>		YEARS.	ACS.		ACS.
	Bleakhouse, compartment 1.	1930-31	7.6	Artificial regeneration with <i>Eucalyptus pillularis</i> .	..
	Aranby Block VII, compartment 3 (b).	1930-31	3	Artificial regeneration with <i>Eucalyptus Globulus</i> .	..
	Cairnhill Block I, compartment 9 (b) ii.	1930-31	3.5	Do.	..
	Brooklands, compartment 5.	1930-31	5.8	Artificial regeneration with <i>Eucalyptus pillularis</i> .	..
Total ..	....	..	521.5	..	24
Palghat	Walayar Forest Pole working circle, Block I, compartment 3	1926-27	181	..	..
	Pole working circle, Block II, compartment 8, coupe I.	1927-28	112	..	..
	Pole working circle, Block II, compartment 8, coupe II.	1928-29	125	..	..
	Pole working circle, Block II, compartment 8, coupe III.	1929-30	79	..	..
	Pole working circle, Block II, compartment 8, coupe IV.	1930-31	(g) 91	..	..
		1931-32	..	..	..
		1932-33	..	..	..
	Bolampatty Forests, Ponam working circle, compartment 17, coupe I.	1926-27	45	..	..

Plans or schemes during the year 1930-31—*cont.*

Area in which regeneration commenced during the year (1st April 1930 to 31st March 1931).	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year, 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During year, 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
7.6	..	7.6	7.6	..	170	..	170	..	..	..
3	..	3	8	..	33	..	33	..	..	..
3.5	..	3.5	3.5	..	41	..	41	..	..	..
5.8	..	5.8	5.8	..	304	..	304	..	..	..
149.1	195.8	125.5	321.3	44	1,787	398	6,114	797	677	2,976
..	181	..	181	..	..	45	2,245	1,192	..	..
..	112	..	112	..	..	49	1,733	493	..	..
..	125	..	125	..	..	125	1,064	307	..	..
..	79	..	79	..	..	249	1,011	249	..	..
91	..	91	91	..	615	..	1,092	..	..	..
..	..	..	..	..	874	..	1,012	..	..	..
..	..	..	..	..	90	..	90	..	..	..
..	45	..	45	..	..	..	30	118	..	..

Progress in afforestation and regeneration under Working

Division.	Working circle and block.	Period.	Area to be regenerated during the period.	Method of treatment.	Area in which regeneration was in progress at commencement of year (1st April 1930).
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE—cont.		YEARS.	ACS.		ACS.
Palghat—cont.	Ponam working circle, compartment 16, coupe II.	1927-28	44	Ponam ..	..
	Ponam working circle, compartment 16, coupe III.	1928-29	25	Do. ..	..
	Ponam working circle, compartment 16, coupe IV.	1929-30	28	Do. ..	..
	Ponam working circle, compartment 16, coupe V.	1930-31	28	Do. ..	..
	Mullangadu compartment 27.	1931-32	..	Clearing the area.	..
	Singapathi coupe II.	1927-28	120	Do. ..	..
	Mullangadu coupe II.	1928-29	33	Do. ..	..
	Kallar coupe I ..	1928-29	31	Do. ..	..
	Kallar coupe II ..	1928-29	18	Do. ..	..
	& 1929-30	1928-29	31	Do. ..	..
	Kallar strip II of Singapathi coupe III.	1929-30	13	Do. ..	..
	Kallar coupe III ..	1930-31	28	Do. ..	..
	Singapathi coupe IV.	1930-31	33	Do. ..	..
	Mullangadu coupe IV.	1930-31	33	Do. ..	..
	I strip of Singathy coupe V.	1930-31	16	Do. ..	..
	I strip of Mullangadu coupe V.	1930-31	16	Do. ..	..
	I strip of Kallar coupe IV.	1930-31	19	Do. ..	..
	Sholakarai coupe IV.	1930-31	58	Tending ..	..
Total ..	..	..	1,207	..	..
Grand Total ..	..	..	20,172.5	..	1,354
Grand Total, Presidency.	..	..	37,821	..	5,007

Plans or schemes during the year 1930-31—cont.

Area in which regeneration commenced during the year (1st April 1930 to 31st March 1931).	Area on which regeneration is complete.			Area on which regeneration is still in progress at close of year, 31st March 1931.	Expenditure during the year.		Expenditure from commencement of period.		Revenue during the year.	Total revenue from date of creation.
	Previous.	During year, 1st April 1930 to 31st March 1931.	Total to 31st March 1931.		Creation.	Upkeep.	Creation.	Upkeep.		
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
ACS.	ACS.	ACS.	ACS.	ACS.	RS.	RS.	RS.	RS.	RS.	RS.
..	44	..	44	..	..	..	3	554	..	..
..	25	..	25	..	..	89	112	467	..	..
..	28	..	28	..	..	244	169	244	..	..
28	..	28	28	..	50	..	172	..	..	..
..	120	..	120	..	45	..	44	180	..	..
..	33	..	33	..	..	..	..	99	..	..
..	31	..	31	..	..	..	..	34	..	..
..	18	..	18	..	..	..	..	50	..	..
..	31	..	31	..	..	..	..	141	..	..
..	13	..	13	..	..	..	..	36	..	..
28	..	28	28	..	..	56	..	56	..	..
33	..	33	33	..	..	66	..	66	..	..
33	..	33	33	..	..	50	..	50	..	..
16	..	16	16	..	..	16	..	16	..	..
16	..	16	16	..	..	16	..	16	..	..
19	..	19	19	..	..	38	..	38	..	..
58	..	58	58	..	..	14	..	14	..	..
322	885	322	1,207	..	1,674	1,057	8,777	4,420	..	..
1,699.1	3,362.8	1,484.5	4,847.3	1,565	28,590	10,397	1,39,479	77,283	1,168	31,701
52.44	9,984	2,219	12,203	8,938	38,729	24,646	2,60,674	2,97,330	8,533	1,66,422

shown in this return as the patches lie in the area covered by working plan.

- (a) Total area provided in the Working Plan.
 (b) Patch or gap regeneration done in Begur and Chedleth Ranges from 1914-15 to 1921-22 now
 (c) Tackle planting done at Belgole in selection felling Working Circle Felling Series I.
 (d) Sandal tackle in Sultan's Battery Range.
 (e) Tackle planting in Sultan's Battery Range created in 1917 and 1918.
 (f) Experimental patch regeneration in Sultan's Battery Range of Sandalwood and Satinwood.
 (g) Excludes 15 acres handed over to the Forest Research Officer.

ANNUAL FORM
Forest Department,
Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres.			
		At commencement of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
FIRST CIRCLE.					
<i>Regular Plantations.</i>					
Guntur	Muthayapalam, 1924-25 ..	5	..	..	5
Nellore	Ulavapad, Casuarina Planting.	162	..	162	..
	Total ..	167	..	162	5
<i>Taungya Operations.</i>					
Godavari, Upper ..	Taungya operations ..	(a) 282	29	..	311
<i>Cultural Operations.</i>					
Vizagapatam	Tangedu experimental plot in Arlova reserved forest, 1928-29.	6	6	..	12
	Sal experimental plots in Makava and Polla, 1928-29.	1.5	..	..	1.5
	Sal experimental plots in Chinnagora reserved forest, 1930-31.	..	2.25	..	2.25
Godavari, Upper ..	Clear-felling to establish a better quality of trees and tending, etc.	(a) 2,089.66	107.8	..	2,197.46
Godavari, Lower ..	Artificial regeneration with teak.	(a) 33	16	..	49
Guntur	Muthayapalam, 1912-13 ..	5	..	..	5
	Guttikonda, 1924-25 ..	6	..	..	6
	Venkatayapalem, 1926-27.	3	..	..	3
	Kondapalli, 1927-28 ..	1	..	..	1
	Nachugunta, 1927-28 ..	0.2	..	..	0.2
	Muthukur, 1926-27 ..	..	48	..	48
Nellore	Sreeharikota, 1927-28 ..	5	1.5	5	1.5
	Kambakkam Sandal, 1927-28.	12	0.5	..	12.5
	Udayagiri Durgam Sandal.	6.72	0.25	6.72	0.25
	Total ..	2,169.08	182.30	11.72	2,339.66

(a) Correct areas.

No. 34-B.
Madras.
during the year 1930-31.

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Rs.	Rs.	Rs.	Rs.	Rs.	ACS.	Rs.	Rs.	Rs.	Rs.
..	..	193	9	202	..	..	202	..	9
..	..	1,56,709	17,666	1,74,375	..	..	1,74,375	..	13,011
..	..	1,56,902	17,675	1,74,577	..	..	1,74,577	..	13,020
448	831	2,175	2,093	4,268	..	454	2,996	15	28,235
56	..	88	11	99	..	..	99	..	..
..	..	3	..	3	..	..	3	..	..
19	..	19	..	19	..	..	19	..	..
1,269	1,762	51,936	3,699	55,635	..	..	55,635	2,536	2,83,109
321	109	1,043	571	1,614	..	..	1,614	..	..
..	..	22	..	22	..	..	22	..	..
..	..	..	..	..	..	..	..	..	..
..	..	38	..	38	..	..	38	..	..
..	..	5	..	5	..	..	5	..	..
..	..	11	..	11	..	..	11	..	..
4	..	4	..	4	..	..	4	..	..
10	..	60	..	60	5	..	10	..	..
..	..	103	..	103	..	..	103	..	..
4	..	20	..	20	6.72	..	4	..	..
1,688	1,871	53,342	4,281	57,633	11.72	..	57,607	2,536	2,83,109

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres.			
		At commencement of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year, 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE.					
REGULAR PLANTATION.					
<i>Anantapur Division.</i>					
Hospet Range.					
1. Kuppagal Reserved Forest.	Planting Yepi, 1905-06.	520	..	..	520
2. Banavasi Reserved Forest.*	Sowing of Nim, 1905-06.	272	..	..	272
3. Moka Reserved Forest.	Planting of Casuarina with a mixture of Sissoo.	489	..	..	489
<i>Kurnool East Division.</i>					
Kurnool East	Teak, Yegi Nallamaddi and Sandal in Peddachama, Peddamantrala, Chinnamantrala and Maddipenta, 1908.	102	3	34	71
Kurnool South	1923-24	71	..	..	71
Kurnool West	Planting of teak trees, etc., 1905-06.	1,154	..	..	1,154
<i>South Ouddapah Division.</i>					
(Kodur Red Sanders Plantation.)	Planted in 1865 the trees being planted 9' X 8' apart.	20	..	..	20
Total ..		2,628	3	34	2,597
TAUNGYA PLANTATION.					
<i>Kurnool West Division.</i>					
Kurnool West	Sowing of field crops along with forest species, 1921-22.	327	..	..	327
CULTURAL OPERATION.					
<i>Anantapur division.</i>					
Horsleykonda Reserved Forest.	Dibbling of bamboos ..	1	..	..	1
Do.	Clearing lantana ..	780	..	..	780
Total ..		781	..	..	781

* This Reserved Forest has been transferred from class I to III with effect from 1st July 1931.

during the year 1930-31—cont.

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
..	8	14,808	3,233	18,041	4,454	..	3,142	116	116
..	..	7,941	1,991	9,932	1,544	..	1,417	..	..
..	..	9,374	65,030	74,404	91	..	63,090	296	18,758
..	..	38,471	26,169	64,640	265	9,279	18,290	..	22
..	..	2,295	654	2,949	110	..	1,194	..	..
..	130	2,35,950	70,638	3,06,588	276	..	3,06,588	1,085	33,874
..	144	23	2,088	2,111	..	..	2,111	668	19,506
..	282	3,08,862	1,60,803	4,78,665	6,740	9,279	3,95,832	2,160	72,276
..	..	5,895	120	6,015	..	..	6,015	..	718
..	..	40	..	40	10	..	40	..	..
..	..	734	46	770	155	..	741	..	..
..	..	764	46	810	165	..	781	..	..

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres.			
		At commencement of year, 1st April 1930.	Added during year 1st April 1930 to 31st March 1931.	Excluded during year 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.					
CULTURAL OPERATION—cont.					
<i>Kurnool East Division.</i>					
Turimilla Range.					
Maddipenta Emergency coupes.	Tending seedlings in emergency coupes clear-felled, 1921-22 to 1924-25.	53	..	..	53
Chinnamantrala Emergency coupes.	Tending seedlings in emergency coupes clear-felled, 1920-21 to 1924-25.	67	..	..	67
	Total ..	120	..	..	120
<i>Kurnool South Division.</i>					
Timber Coupe II Baireni series.	Maintaining 200 seedlings per acre.	72	..	..	72
Timber Coupe II Isukagundam.	Maintaining 200 seedlings per acre.	200	..	..	200
Timber Coupe II Mamidigundam.	Maintaining 200 seedlings per acre.	47	..	..	47
Timber Coupe II Ulladavanka.	Maintaining 200 seedlings per acre.	57	..	..	57
Regeneration Coupe II at Isukagundam.	Weeding	23	..	..	23
	Total ..	399	..	..	399
<i>Kurnool West Division.</i>					
.....	Dibbling sowing, weeding and tending operations, 1919-20.	7,140	..	..	7,140
Experimental plots.					
Gundlabrahmeswaram Range.	Opening of 5 acres experimental plot for stump planting and sowing seeds.	..	5	..	5
.....	Cultural operations in 5 acres experimental plot of 1929.	5	..	..	5
.. .. .	Weeding the 5-acre plot, 1928-29.	5	..	..	5
.. .. .	Opening of a 5-acre plot.	..	5	..	5
	Total ..	7,150	10	..	7,160

during the year 1930-31—cont.

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.			RS.		
..	..	..	20	20	..	..	20	..	..
..	..	..	21	21	..	..	21	..	..
..	..	..	41	41	..	..	41	..	..
..	..	..	86	86	..	..	86	..	..
..	..	167	153	320	..	..	320	..	..
..	..	..	53	53	..	..	53	..	..
..	..	..	80	80	..	..	80	..	..
..	..	..	29	29	..	..	29	..	..
..	..	167	401	568	..	..	568	..	..
..	..	33,878	9,195	43,073	..	..	43,073	..	..
119	..	119	..	119	..	..	119	..	..
..	30	..	30	30	..	..	30	..	..
..	15	..	15	15	..	..	15	..	..
23	..	23	..	23	..	..	23	..	..
142	45	34,020	9,240	43,260	..	..	43,260	..	..

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres			
		At commencement of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year, 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
SECOND CIRCLE—cont.		ACS.	ACS.		ACS.
CULTURAL OPERATION—cont.					
<i>South Cuddapah—cont.</i>					
<i>Cuddapah Range—cont.</i>					
Kerthemadugu beat (Chelamabhavi).	Dibbling of sandal seeds ..	..	0.50	..	0.50
<i>Chitvel Range.</i>					
Moodurallagundam van-kah.	Dibbling of seeds in 1921-22.	3	..	..	3
Gundlakona	Do.	1	..	..	1
Kootalamarri	Dibbling of seeds in 1918-19.	4	..	..	4
Nalareddikona	Dibbling of seeds in 1918.	1	..	..	1
Chamakona	Dibbling of seeds in 1929-30.	1	..	..	1
Salivendla beat (Chamakona).	Dibbling of seeds in 1930-31.	..	0.50	..	0.50
Chiyyavaram beat (Metrasikara).	Do.	..	0.50	..	0.50
Reddivaripalli beat (Mudurallagundam).	Dibbling sandal seeds in 1930-31.	..	0.50	..	0.50
Rachapalli beat (Kuntakona).	Do.	..	0.50	..	0.50
Venkataraajupalli beat Mallamma Nakkankona.	Do.	..	0.50	..	0.50
Rachakuntla beat (Reddichervu).	Do.	..	0.50	..	0.50
Chitral beat (Nukireddikona).	Do.	..	0.50	..	0.50
Dandlopalli beat (Rendubhavi Tanah).	Do.	..	0.50	..	0.50
Mallamma Kanama	Dibbling sandal seeds in 1929-30.	1	..	..	1
<i>Sanipaya Range.</i>					
Ammabhavi	Dibbling sandal seeds in 1918-19.	1.50	..	..	1.50
Mudampad rest-house compound.	Do.	2.00	..	..	2.00
Near old tanah in Mudampad beat.	Do.	1.00	..	..	1.00
Nallakona vankah in Seshachallam extension.	Do.	0.50	..	..	0.50
Chelagadda narwa	Dibbling of sandal seeds in 1929-30.	2.00	..	..	2.00
Stream near Ippanabhavi.	Do.	2.00	..	..	2.00

during the year 1930-31—cont.

[illegible]

Plantations not under Working Plans

Division and forest, (1)	Method of formation and year of commencement. (2)	Area in acres			
		At commence- ment of year, 1st April 1930. (3)	Added during year, 1st April 1930 to 31st March 1931. (4)	Excluded during year, 1st April 1930 to 31st March 1931. (5)	On 31st March 1931. (6)
SECOND CIRCLE—cont.		ACS.	ACS.		ACS.
CULTURAL OPERATION— cont.					
<i>South Cuddapah— cont.</i>					
<i>Sanipaya Range—cont.</i>					
Gadikola beat (Mangala- kona).	Dibbling of sandal seeds in 1930-31.	..	0.50	..	0.50
Kallimotta beat (Dasari- kona).	Do.	..	0.50	..	0.50
Veeraballi beat Gandiras- tha on the bank of Mandanya river.	Do.	..	0.50	..	0.50
Palem—Polem beat (Neeti- kona).	Do.	..	0.50	..	0.50
Rayavaram beat (Puli- kona).	Do.	..	0.50	..	0.50
Sanipaya beat (Tumma- kona).	Do.	..	0.50	..	0.50
Meedampad (Nallakona)..	Do.	..	0.50	..	0.50
Dinnala beat (Bonthalla cheruvu).	Do.	..	0.50	..	0.50
Jillalamanda beat (Pori- banda).	Do.	..	0.50	..	0.50
Total ..	..	39.70	23.00	..	62.70
Grand total under "Cultural operation".	..	8,489.70	33.00	..	8,522.70
FOURTH CIRCLE.					
<i>Vellore.</i>					
Ambur tope ..	Planting in 1913 ..	6.00	..	..	6.00
Amerdi plantation ..	Clear-felling and artifi- cially stocking with tim- ber species in 1922-23.	92.25	..	..	92.25
Total ..	..	98.25	..	..	98.25
<i>Central Salem.</i>					
Kurumbapatti plantation.	Sowing teak, 1920-21 ..	1.75	..	..	1.75
Ayyanthiramaligai ..	Sowing several species, 1929-30.	..	..	..	..
Chitteries ..	Lac cultivation in 1929-30.	..	..	..	..
Total ..	..	1.75	..	..	1.75

during the year 1930-31—cont.

Expenditure during the year.		Total expenditure from com- mencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from com- mencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation. (7)	Upkeep. (8)	Creation. (9)	Upkeep. (10)	Total (11)					
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
Done free of cost by subordinates.									
..	..	88	..	88	6	19	76	..	..
142	45	35,039	9,728	44,767	171	19	44,726	..	..
..	15	..	30	30	..	..	30	5	1,736
..	5	3,102	2,220	5,322	..	..	5,322	50	10,846
..	20	3,102	2,250	5,352	..	..	5,352	55	12,582
..	..	202	34	236	..	..	236	..	..
..	..	131	69	200	..	..	200	..	..
196	..	200	..	200	..	..	200	..	..
196	..	533	103	636	..	..	636	..	..

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres			
		At commence- ment of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year, 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
FOURTH CIRCLE—cont.					
<i>South Salem.</i>					
Topes attached to the District Forest Officer's quarters.	Raising mango trees, 1904.	9.5	..	..	9.5
	Grand total ..	109.50	..	..	109.50
FIFTH CIRCLE.					
<i>Madura.</i>					
Gundam shola blue gum plantation.	1906	245	..	..	245
Pambar pine plantation.	Planting ..	842	..	..	842
Gundam valley ..	acacia decu- rrans.	148	..	..	148
Valaombai teak planta- tion.	1870	18	..	..	18
Vannathiparai teak plan- tation.	1920-21	4	..	..	4
Sethuvaikal new teak plantation.	1920-21	53	..	..	53
Alagar Hills Planting Mahagony.	..	3	..	..	3
<i>Tinnevely.</i>					
Kudiramoli teri Reserved Forest.	Dibbling palmyra nuts and Dodonea and Viscoosa seeds.	4,544	1,100	..	5,644
Kariar teak plantation ..	1922-24 ..	85	..	..	85
Kodamady teak planta- tion.	1917 ..	111	..	..	111
Richmond plantation ..	1906 ..	1	..	..	1
Kariar Kani area ..	1912 ..	23	..	..	23
Haynes plantation ..	..	23	..	..	23
Mundanthurai ..	Dibbling teak ..	10	..	..	10
<i>North Coimbatore.</i>					
Minohiguly plantation ..	Dibbling teak, vengai and rosewood seeds and watering and weeding, 1918.	5	..	..	5
Ainagiri plantation ..	Planting seedlings of shola species, 1918.	42	..	..	42
Tinnevely (b) ..	..	..	..	..	..
	Total ..	6,157	1,100	..	7,257

(a) Represents expenditure on the maintenance of the acacia fire belt.

(b) A sum of Rs. 291 was spent on experiments conducted by the Assistant Working Plans Officer

during the year 1930-31—cont.

Expenditure during the year.		Total expenditure from com- mencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from com- mencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.			RS.	RS.	RS.
..	..	467	1,760	2,227	..	..	2,227	..	280
196	20	4,102	4,113	8,215	..	..	8,215	55	12,862
..	..	18,985	..	18,985	..	..	18,985	118	5,627
..	(a) 674	33,486	5,452	38,938	..	..	38,938	107	1,077
..	..	3,106	131	3,237	..	..	3,237	..	..
..	..	1,124	142	1,266	..	..	1,266	..	2,315
..	..	1,405	..	1,405	..	..	1,405	..	2,125
..	..	3,770	759	4,529	..	..	4,529	..	..
..	..	64	..	64	..	..	64	..	..
2,639	..	11,847	1,899	13,746	..	..	13,746	1,523	54,002
..	..	1,642	757	2,399	..	..	2,399	..	107
..	..	4,236	1,237	5,473	..	..	5,473	..	218
..	..	5	..	5	..	..	5	..	94
..	..	47	310	357	..	..	357	..	178
..	..	26	37	63	..	..	63	..	..
..	..	182	85	217	..	..	217	..	..
..	..	123	618	741	..	..	741	..	..
..	..	670	522	1,192	..	..	1,192	..	..
2,639	674	80,718	11,899	92,614	..	..	92,614	1,748	65,743

in evergreen forests and Rs. 10 on planting stamps in teak plantation in fuel coupe 28 Padarnalai.

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres.			
		At commence- ment of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year, 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE.					
<i>Mangalore North.</i>					
<i>Udipi Range.</i>					
Someshwar	Sowing of Hopea, Dhupa and wild jack in prepared patches, 1920-21 and 1927-28.	659	..	..	659
	Sowing of teak, xylia, rosewood, etc., in gaps formed by timber felling in coupe IV, 1929-30.	2	..	..	2
	Sowing of teak, xylia, rosewood, etc., in gaps formed by timber felling in coupe V, 1929-30 and 1930-31.	4	..	..	4
	Sowing of Hopea in timber coupe III felled area in 1930-31.	65	..	..	65
	Repairing ground for sowing of Hopea in coupe III felled area in 1931-32.	..	91	..	91
	Repairing ground for sowing of teak, etc., in gaps formed by timber felling in coupe VI-a in 1931-32.	..	4	..	4
Jatkatmale	Sowing of Hopea and Dhupa in prepared patches.	1,139	..	..	1,139
Halesomeshwar	Sowing of Hopea in prepared patches, 1922-23, 1924-25 and 1926-27.	1,744	..	..	1,744
<i>Coondapoor Range</i>					
Madibare	Sowing of xylia in prepared patches, 1927-28.	11	..	..	11
<i>Mangalore Range.</i>					
Kodimale	Sowing of Hopea in prepared patches, 1921-22.	52	..	..	52
<i>Mangalore South.</i>					
	Total ..	3,676	95	..	3,771
Parappa Reserved Forest, do. VI (portion).	Sowing of deciduous species after clearfelling and burning, 1924.	16	..	..	16
Parappa Reserved Forest, compartment VIII (portion).	1926-27 do	23	..	..	23
Parappa Reserved Forest, compartments I to X.	Sowing and planting of evergreen species.	1,967	..	..	1,967

during the year 1930-31—cont.

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.		
..	257	2,593	1,929	4,522	19	..	4,414	..	..
..	26	155	26	181	..	..	181	..	..
40	..	159	..	159	..	..	159	..	..
292	..	416	..	416	..	..	416	..	..
200	..	206	..	200	..	..	200	..	..
51	..	51	..	51	..	..	51	..	..
..	204	3,122	5,686	8,808	152	..	8,039	..	..
26	911	7,254	5,055	12,309	99	..	12,034	..	..
..	..	121	25	146	..	..	146	..	..
..	..	145	14	159	..	..	159	..	..
609	1,398	14,216	12,735	26,951	270	..	25,799	..	..
..	17	99	123	222	..	..	222	..	..
..	24	407	265	672	..	..	672	..	..
..	..	5,456	5,861	11,317	275	1,021	10,296	..	..

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres			
		At commencement of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year, 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE—cont.		ACS.	ACS.		ACS.
Mangalore South—cont.					
Parappa compartment IX (portion).	Sowing with <i>Artocarpus hirsuta</i> and <i>Malia Dubia</i> —(area felled in 1926-27) in 1929.	16	..	..	16
Jalsur East Reserved Forest, coupes I and II.	Sowing and planting of <i>Hopea</i> under existing growth.	252	..	..	252
Do.	Natural regeneration of evergreen species, 1926-27.	147	..	..	147
Parappa Reserved Forest, compartment V (portion).	Sowing and planting of teak, 1930.	30	..	..	30
Aletti West Reserved Forest, strip II.	Artificial regeneration over 35 acres with <i>Hopea</i> , etc., and natural regeneration over 20 acres—(area felled in 1928-29) 1929-30 plantation.	55	..	..	55
Aletti West Reserved Forest, strips I, III to V.	Natural regeneration, i.e., tending natural <i>Hopea</i> seedlings over an area of 56 acres and artificial regeneration with <i>Hopea</i> , <i>Artocarpus hirsuta</i> over 121 acres—(area felled in 1929-30) 1930-31 plantation.	..	177	..	177
Uppinangadi Range.					
Porkala and Padnur Reserved Forest.	Sowing and planting of evergreen species, mainly <i>Hopea</i> , 1920-24.	1,405	..	..	1,405
Nerankimale Reserved Forest.	Clear-felling, burning and sowing deciduous species.	89	..	..	89
Kidu Reserve	Natural regeneration of evergreen forests started in 1922.	19	..	..	19
Mujur Reserved Forest, coupe I.	Planting <i>Hopea</i> seedlings over 23 acres, planting <i>Hopea</i> in patches in gaps formed by felling over 131 acres and planting teak and vengai over 1 acre (1930-31) plantation.	..	155	..	155
Puttur Range.					
Nalkur Reserved Forest, coupes I and II.	Natural regeneration of evergreen forests started in 1922.	1,154	..	..	1,154

during the year 1930-31—cont.

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.		
..	105	617	135	752	5	197	555	..	..
..	..	1,541	2,695	4,236	..	..	4,236	..	..
..	75	289	4,741	5,030	..	..	5,030	..	..
722	..	900	..	900	..	..	900	..	..
..	65	206	65	271	..	..	271	..	..
706	..	706	..	706	..	..	706	..	..
..	..	6,520	6,984	13,504	214	217	13,287	..	..
..	..	357	559	916	..	..	916	..	..
..	..	..	170	170	..	..	170	..	..
275	..	275	..	275	..	..	275	..	..
..	163	..	8,730	8,730	..	..	8,730	..	..

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres			
		At commencement of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year, 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE.— <i>cont.</i>		ACS.	ACS.	ACS.	ACS.
Puttur Range.— <i>cont.</i>					
Sampaji Reserved Forest, coupe II.	Clear-felling, burning and sowing with teak (area felled in 1929-30), 1930 plantation.	26	..	..	26
Do.	Experimental area of 1929-30, clear-felling, burning and sowing with teak.	4	..	..	4
Sampaji Reserved Forest, coupe III.	Clear-felling, burning and sowing teak (plantation, 1931-32)	..	12	..	12
Beltangady Range.					
Mundaje Kap Reserved Forest.	Sowing and planting of evergreen species (Hopea), 1926.	277	..	..	277
Do.	Sowing and planting of evergreen species (Hopea), 1927.	132	..	..	132
	Total ..	5,612	344	..	5,956
Wynaad.					
Kannote Range ..	Regular plantations ..	273	..	..	273
	Taungya do. ..	354	..	..	354
	Cultural operations ..	4	(a) 1,812	..	1,816
	Total ..	631	1,812	..	2,443
Nilambur—Nil.					
The Nilgiris—Nil.					
Palghat.					
Puliyampatti tope reserve.	Taungya plantations, 1919-20.	20	..	..	20
Vallapathi ..	Cultural operations, 1929-30.	39	..	..	39
Muthikulam bungalow compound.	Cultural operations, 1921-22.	4	..	..	4
Palghat Range office compound.	Cultural operations, 1919-20.	1	..	..	1
Dhone Reserve ..	Do.	10	..	..	10
Elival teak plantation (old).	Do.	10	..	..	10
Elival teak plantation ..	Cultural operations, 1928-29.	21	..	..	21
	Cultural operations, 1929-30.	33	..	..	33

(a) Represents sleeper worked areas in Peria Reserve during 1925-26, 1927-28 and 1929-30 in which

during the year 1930-31—*cont.*

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.		RS.
670	..	948	..	948	..	..	948	..	..
127	..	171	..	171	..	..	171	..	..
193	..	193	..	193	..	..	193	..	..
..	37	1,725	736	2,461	..	..	2,461	..	..
..	38	624	294	918	..	..	918	..	..
2,693	524	21,034	31,358	52,392	494	1,435	50,957	..	..
..	69	1,284	6,271	7,555	..	..	7,555	..	2,344
..	13	902	4,435	5,337	..	..	5,337	..	3,488
189	..	200	10	210	..	..	210	..	..
189	82	2,386	10,716	13,102	..	..	13,102	..	5,832
..	..	..	329	329	..	..	329	..	..
..	..	573	59	632	..	..	632	..	..
..	..	110	..	110	..	..	110	..	..
..	..	50	53	103	..	..	103	..	..
..	6	221	129	350	..	..	350	..	..
..	5	..	144	144	..	..	144	..	..
..	21	343	107	450	..	..	450	..	..
..	112	677	112	789	..	..	789	..	..

223 gaps of different sizes were regenerated. It does not represent the actual area regenerated.

Plantations not under Working Plans

Division and forest.	Method of formation and year of commencement.	Area in acres.			
		At commencement of year, 1st April 1930.	Added during year, 1st April 1930 to 31st March 1931.	Excluded during year 1st April 1930 to 31st March 1931.	On 31st March 1931.
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE—cont.		ACS.	ACS.	ACS.	ACS.
Palghat—cont.					
Elival teak plantation—cont.	Cultural operations—				
	1930-31	..	35	..	35
	1931-32	..	..	..	..
	1932-33	..	..	..	..
Chenat Nair plantation ..	1920-21	264	..	..	264
Dhone 4-acre plot (teak) ..	1928-29	4	..	..	4
	1929-30	26	..	..	26
	1930-31	..	23	..	23
	1931-32	..	..	..	..
	1932-33	..	..	..	..
Sappal teak plantation ..	1928-29	5	..	..	5
	1929-30	13	..	..	13
	1930-31	..	..	..	..
	1929-30	..	..	..	..
Regeneration in Silent Valley, coupe I.	1930-31	..	..	..	..
Regeneration in Silent Valley, coupe II	1930-31	..	..	..	..
Experimental nursery of satin wood.	1928-29	..	..	..	..
Evergreen nursery at Dhoni.	1928-29	..	..	..	..
Nursery for coffee robusta.	1928-29	..	..	..	..
Nursery Andaman Padauk.	1928-29	..	..	..	..
Nursery Burma Padauk ..	1928-29	..	..	..	..
Evergreen nursery in Silent Valley	1928-29	..	..	..	..
	Total	450	58	..	508
	Grand Total	10,369	2,309	..	12,678
	Parlakimedi Maliahs ..	217	18	..	235
	Grand Total, Presidency ..	30,466	3,645	46	34,066

during the year 1930-31—cont.

Expenditure during the year.		Total expenditure from commencement including expenditure on all failed areas.			Total area written off from start.	Expenditure in failed areas during the year.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of creation.
Creation.	Upkeep.	Creation.	Upkeep.	Total.					
(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.	RS.	RS.	ACS.	RS.	RS.	RS.	RS.
670	..	840	..	840	..	..	840	..	..
387	..	387	..	387	..	..	387	..	..
70	..	70	..	70	..	..	70	..	..
..	134	2,866	5,073	7,939	..	..	7,939	..	..
..	4	50	16	66	..	..	66	..	..
..	219	626	219	844	..	..	844	..	..
618	..	914	..	914	..	..	914	..	..
310	..	310	..	340	..	..	340	..	..
60	..	60	..	60	..	..	60	..	..
..	5	103	9	112	..	..	112	..	..
..	45	386	45	431	..	..	431	..	..
..	..	863	..	863	..	..	863	..	..
..	40	674	40	714	..	..	714	..	..
244	..	244	..	244	..	..	244	..	..
..	..	13	13	26	..	..	26	..	..
..	..	30	..	30	..	..	30	..	..
..	..	12	..	12	..	..	12	..	..
..	..	18	..	18	..	..	18	..	..
..	..	7	..	7	..	..	7	..	..
..	..	48	..	48	..	..	48	..	..
2,359	591	10,524	6,348	16,872	..	..	16,872	..	..
5,850	2,595	48,160	61,157	1,09,317	764	1,435	1,06,730	..	5,832
66	..	646	1,625	2,272	..	..	2,270	7	7
10,575	5,487	5,36,764	2,62,726	7,99,498	7,687	10,733	7,14,009	6,506	4,40,546

ANNUAL FORM No. 35.
Forest Department, Madras Presidency.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation.

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	(2) Government.	(3) Purchasers.	(4) Free grantees.	(5) Right holders.	(6) Total.	(7) Government.	(8) Purchasers.	(9) Free grantees.	(10) Right holders.	(11) Total.	(12) Government.	(13) Purchasers.	(14) Free grantees.	(15) Right holders.	(16) Total.
FIRST CIRCLE.															
<i>I. Reserved Forests.</i>															
Ganjam ..	109	26	17	18	170	..	69	3	..	72	..	..	..	..	..
Vizagapatam ..	10	..	..	..	10	..	24	1	..	26	..	..	..	..	..
Godavari, Upper ..	27	1	..	..	28	14	..	..	..	14	..	..	..	..	..
Do. Lower ..	3	17	..	..	20	..	..	..	..	..	..	..	..	..	..
Guntur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	149	44	17	18	228	15	93	4	..	112	..	..	..	..	..
<i>II. Leased Forests—Nil.</i>															
<i>III. Reserved Lands—Nil.</i>															
<i>IV. Unreserved Lands.</i>															
Ganjam ..	22	34	21	..	77	..	16	..	..	16	..	..	..	..	..
Vizagapatam ..	..	..	..	..	..	..	15	..	..	19	..	..	..	..	..
Godavari, Upper ..	4	34	..	..	38	4	6	..	..	6	..	..	..	..	..
Do. Lower ..	..	217	40	..	257	..	..	..	..	..	..	..	..	..	..
Guntur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	26	285	61	..	372	4	37	..	..	41	..	..	..	..	..
Grand Total ..	175	329	78	18	600	19	130	4	..	153	..	..	..	..	..

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—cont.

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn.
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	
	Government.	Purchasers.	Free grantees.	Right holders.	Total.	Government.	Purchasers.	Free grantees.	Right holders.	Total.	Government.	Purchasers.	Free grantees.	Right holders.	Total.	
FIRST CIRCLE—cont.																
I. Reserved Forests—cont.																
Ganjam ..	..	..	..	..	..	109	95	20	18	242	34	361	2	55	452	
Vizagapatam ..	..	..	..	..	..	11	24	1	..	36	..	194	..	..	194	
Godavari, Upper ..	..	..	..	..	..	41	1	..	..	42	..	..	..	..	42	
Do. Lower ..	..	..	..	..	..	3	17	..	..	20	29	376	110	..	515	
Guntur ..	2	7	..	..	9	2	7	..	..	9	12	774	..	..	786	
Nellore ..	..	..	..	..	..	..	..	..	..	..	1	549	..	..	550	
Total ..	2	7	..	..	9	166	144	21	18	349	76	2,254	112	55	2,497	
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands—cont.																
Ganjam ..	..	..	..	..	..	22	34	21	..	77	..	100	..	..	177	
Vizagapatam ..	..	..	..	..	..	..	16	..	..	16	..	62	..	..	52	
Godavari, Upper ..	..	..	..	..	..	8	49	..	..	57	4	44	..	..	48	
Do. Lower ..	..	..	..	..	..	..	223	40	..	263	..	65	..	..	328	
Guntur ..	..	29	16	..	45	..	29	16	..	45	..	142	..	..	187	
Nellore ..	..	11	17	..	28	..	11	17	..	28	..	25	..	..	51	
Total ..	..	40	33	..	73	30	362	91	..	486	4	426	..	..	916	
Grand Total ..	2	47	33	..	82	196	506	115	18	835	80	2,680	112	55	2,927	
															3,762	

(a) The figures for all divisions under reserved forests and for Vizagapatam and Upper Godavari under unreserved lands are actuals.

GANJAM :—Under "Unreserved lands" the figures under "Purchasers" are estimates obtained by converting revenue at seigniorage rates. The other figures are actuals.

LOWER GODAVARI :—The figures under "Unreserved lands" for timber are estimates obtained by converting revenue at Re. 0-1-6 per cubic foot. The figures under free grantees and other figures are actuals.

GUNTUR :—The figures under "Unreserved lands" except under free grantees are estimates obtained by converting revenue at Re. 0-1-0 per cubic foot. Under free grantees they are actuals.

NELLORE :—The figures under "Unreserved lands" are estimates obtained by converting revenue at Re. 0-0-3 per cubic foot.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SECOND CIRCLE.															
I. Reserved Forests.															
Anantapur ..	..	15	1	..	16	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	1	9	..	..	10	1	1	1	..	3	1	..	..	..	1
Do. South ..	28	16	..	..	44	5	110	2	..	117	..	..	..	..	..
Do. West ..	2	23	..	..	25	1	11	6	..	18	1	37	..	..	38
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	31	63	1	..	95	7	122	9	..	138	(a) 2	(a) 37	..	..	39
II. Leased Forests—Nil.															
III. Reserved Lands—Nil.															
IV. Unreserved Lands.															
Anantapur ..	..	109	5	..	114	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	3	27	..	30	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	3	..	..	3	..	4	..	..	4	..	..	..	..	..
Do. West ..	..	29	..	..	29	..	..	..	..	..	..	..	..	..	..
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	144	32	..	176	..	4	..	..	4	..	..	..	..	..
Grand Total ..	31	207	33	..	271	7	126	9	..	142	(a) 2	(a) 37	..	..	39

(a) Sawn timber.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.				Total outturn. (32)	
	Government. (17)	Purchasers. (18)	Free Grantees. (19)	Right- holders. (20)	Total (21)	Government. (22)	Purchasers (23)	Free Grantees. (24)	Right- holders. (25)	Total. (26)	Government. (27)	Purchasers. (28)	Free Grantees. (29)	Right- holders. (30)		Total. (31)
SECOND CIRCLE—cont.																
I. Reserved Forests —cont.																
Anantapur ..	..	..	..	..	..	..	15	1	..	16	3	189	..	..	..	172
Kurnool, East ..	1	1	..	..	2	4	11	1	..	16	..	31	..	..	..	31
Do. South ..	1	..	..	..	1	34	126	2	..	162	33	192	..	..	..	225
Do. West ..	..	..	..	..	..	4	71	6	..	81	11	1,305	..	..	..	1,316
Cuddapah, North ..	..	32	1	..	33	..	32	1	..	33	32	2,061	..	..	..	2,093
Do. South ..	3	19	3	..	25	3	19	3	..	26	101	5,952	..	..	..	6,053
Total ..	5	52	4	..	61	45	274	14	..	333	180	9,710	..	..	..	10,223
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands —cont.																
Anantapur ..	..	..	..	..	..	..	109	5	..	114	..	8	..	..	..	8
Kurnool, East ..	..	..	..	..	..	..	3	27	..	30	..	4	..	..	..	4
Do. South ..	..	..	..	..	..	..	7	..	..	7	..	11	..	..	..	11
Do. West ..	..	..	..	..	..	..	29	..	..	29	..	43	..	..	..	43
Cuddapah, North ..	..	1	..	..	1	..	1	..	..	1	..	11	..	..	..	11
Do. South ..	..	3	..	..	3	..	3	..	..	3	..	5	..	..	..	5
Total ..	..	4	..	..	4	..	152	32	..	184	..	82	..	..	..	82
Grand Total ..	5	56	4	..	65	45	426	46	..	517	180	9,792	..	..	..	9,972
																10,489

* Actuals.

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

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
					Total.					Total.					Total.
FOURTH CIRCLE.															
<i>I. Reserved Forests.</i>															
Chittoor	..	..	..	..	..	(c)	..	..	..	..	..	..	..	..	..
Vellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Central	1	10	..	..	11	..	..	..	..	..	(d) 1	..	..	..	1
Do. South	(c)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	10	..	..	11	..	..	..	..	..	1	..	..	..	1
<i>II. Leased Forests</i>															
—Nil.															
<i>III. Reserved Lands</i>															
—Nil.															
<i>IV. Unreserved Lands.</i>															
Chittoor	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vellore	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. Central	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	2	..	2	..	..	..	..	..	..	..	..	..	..
Grand Total	1	10	2	..	13	..	..	..	..	..	1	..	..	..	1

(a) Represents sandalwood less than 500 cubic feet. Hence ignored.

(b) Represents sandalwood. (d) Sawed timber and it represents the net outturn of sawn materials.

(c) Timber less than 500 cubic feet. Hence ignored.

(e) Sandalwood two quarters = One cubic foot.

Government Agency.—Based on actuals.

Reserves.—Timber and fuel.—Purchasers.—Chittoor and Central Salem.—Based on actuals.

Vellore and South Salem.—Actuals based on contractor's accounts.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division.	Miscellaneous.				Total timber.						Fuel.				(32) Total outturn.	
	(17) Government.	(18) Purchasers.	(19) Free grantees.	(20) Right- holders.	(21) Total.	(22) Government.	(23) Purchasers.	(24) Free grantees.	(25) Right- holders.	(26) Total.	(27) Government.	(28) Purchasers.	(29) Free grantees.	(30) Right- holders.		(31) Total.
FOURTH CIRCLE—cont.																
I. Reserved Forests																
—cont.																
Chittoor ..	(a) 2	1	..	..	3	2	1	..	..	3	21	524	..	..	545	
Vellore ..	(b) 11	21	..	..	32	11	21	..	..	32	27	252	..	..	279	
Salem, North ..	(b) 6	(c) ..	..	..	6	7	..	..	..	7	6	118	..	..	124	
Do. Central ..	(b) 1	..	..	..	1	2	10	..	..	12	12	229	..	..	241	
Do. South ..	(b) 1	1	..	..	2	1	1	..	..	2	9	146	..	..	155	
Total ..	21	23	..	..	44	23	33	..	..	56	76	1,264	..	..	1,344	
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands—cont.																
Chittoor ..	(a) ..	25	3	..	28	..	25	3	..	28	..	22	..	..	22	
Vellore ..	..	153	5	..	158	..	153	5	..	158	..	458	..	..	458	
Salem, North ..	..	..	2	..	4	..	40	2	..	44	..	13	..	..	13	
Do. Central ..	..	334	..	..	334	..	334	2	..	336	..	81	..	..	81	
Do. South ..	..	102	5	..	107	..	102	5	..	107	..	79	..	..	79	
Total ..	2	614	15	..	631	2	654	17	..	673	..	653	..	..	653	
Grand Total ..	23	637	15	..	675	25	687	17	..	729	75	1,922	..	..	1,997	

North Salem.—Timber calculated on money value at 2 annas per cubic foot and fuel based on actuals furnished by coupe contractors.

Unreserved Lands.—Purchasers.—Timber and fuel.—Based on money value obtained by sale in all divisions as follows:—

Chittoor.—Trees on darkhast lands at 3 annas per cubic foot and wind-fallen trees at 1½ annas per cubic foot.

Vellore.—Timber at 2 annas per cubic foot and fuel at one anna per cubic foot.

North Salem.—Timber at 2 annas per cubic foot and fuel at 1½ annas per cubic foot.

Central and South Salem.—Timber at 4 annas per cubic foot and dead tree and fuel at one anna per cubic foot.

Free grants.—Palmyra trees—Chittoor and Central Salem.—Twenty cubic feet per tree.

Vellore.—Ten cubic feet per tree.

South Salem.—Seven cubic feet per tree.

Other timber based on seigniorage rates.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free Grantees.	Right- holders.	Total.	Government.	Purchasers.	Free Grantees.	Right- holders.	Total.	Government.	Purchasers.	Free Grantees.	Right- holders.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
FIFTH CIRCLE.															
<i>I. Reserved Forests.</i>															
Kollegal	11	2	..	..	13	..	..	..	..	15	..	(g) 2	..	..	2
Coimbatore, North	6	5	..	..	11	..	..	..	..	2	(e) 53	..	..	..	53
Do. South	(a) 126	..	..	..	126	(b) 2	..	..	..	1	(g) 6	(g) 11	..	..	17
Madura	..	70	..	..	70	..	1	..	..	1	64	13	..	..	72
Tinnevely	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	143	77	..	..	220	18	1	..	..	19	64	13	..	..	72
<i>II. Leased Forests.</i>															
Coimbatore, South	(e) 4	..	..	..	4	..	..	..	..	..	(f) 1	..	..	..	1
<i>III. Reserved Lands—</i>															
Nil.															
<i>IV. Unreserved Lands.</i>															
Kollegal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tinnevely	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Grand Total	147	77	..	..	224	18	1	..	..	19	60	13	..	..	73

(e) Includes 111,220 c.ft. of timber extracted from Mount Stuart Government forests.
(b) Represents 1,903 c.ft. of do.
(c) Do. Punachi squared timber 7,177 c.ft., Valparai sleepers 43,862 c.ft., and red-cedar scantlings from Valparai 2,185 c.ft.
(d) Do. brake poles from Punachi Range (1,400 c.ft.), spokes and felloes from Punachi Range (748 c.ft.) and spokes and felloes—Mount Stuart (3,250 c.ft.)
(e) Do. 3,801 c.ft. of timber from Mount Stuart leased forests.
(f) Do. 740 c.ft. of do.
(g) Do.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division.	Miscellaneous.				Total timber.				Fuel.				Total.	(31)	(32)
	Government.	Purchasers.	Free Grantees.	Right- holders.	Total.	Government.	Purchasers.	Free Grantees.	Right- holders.	Total.	Government.	Purchasers.				Free Grantees.	Right- holders.
(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
FIFTH CIRCLE—cont.															
I. Reserved Forests—															
cont.															
Kollegal	..	4	..	..	4	11	8	..	19	..	305	..	..	305	324
Coimbatore, North	(d) 5	..	..	..	..	21	5	..	26	..	764	..	..	786	812
Do. South	..	1	..	..	6	186	1	..	187	20	199	..	..	199	386
Madura	..	3	..	..	3	1	3	..	4	53	724	..	..	777	781
Tinnevely	..	3	..	..	3	6	85	..	91	1	579	..	..	580	671
Total	5	11	..	..	16	225	102	..	327	96	2,551	..	..	2,647	2,974
II. Leased Forests—cont.															
Coimbatore, South	..	..	..	..	..	5	..	..	5	..	..	..	..	..	5
III. Reserved Lands—															
Nil.															
IV. Unreserved Lands—															
cont.															
Kollegal	..	17	..	..	17	..	17	..	17	..	5	..	..	5	22
Coimbatore, North	..	41	10	..	51	..	41	..	51	..	43	..	..	43	94
Do. South	..	9	1	..	10	..	9	1	10	..	54	..	..	54	64
Madura	..	143	7	..	150	..	143	7	150	..	157	..	..	157	307
Tinnevely	..	..	6	..	6	..	..	..	6	..	55	..	..	55	61
Total	..	210	24	..	234	..	210	24	234	..	314	..	..	314	548
Grand Total	5	221	24	..	250	230	312	24	566	96	2,865	..	..	2,961	3,527

Factor of conversion.
Sandalwood 2 quarters = 1 c.ft.

Unreserved lands.
North Coimbatore and Kollegal.
South Coimbatore.

Miscellaneous timber : 2 annas = 1 c.ft.,
Do. 4 annas = 1 c.ft.,
Fuel 1 anna = 1 c.ft.,
Tinnevely and Madura : Timber and fuel 1 anna = 1 c.ft.

[illegible]

* Timber extracted in Chenat Nair is less than 1,000 c.ft.

(a) Represents squared timber extracted and not logs converted.

(a) Represents squared timber extracted and not logs conveyed.
(b) Represents outturn of spokes and felloes converted from top ends and also sleepers from inaccessible working circle converted directly after feeding.

[illegible]

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division (1)	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.				
	Government (2)	Purchasers. (3)	Free grantees. (4)	Right- holders. (5)	Total. (6)	Government. (7)	Purchasers. (8)	Free grantees. (9)	Right- holders. (10)	Total. (11)	Government. (12)	Purchasers. (13)	Free grantees. (14)	Right- holders. (15)	Total. (16)
SIXTH CIRCLE— <i>cont.</i>															
IV. <i>Unreserved Lands—cont.</i>															
The Nilgiris ..	..	13	..	..	13	..	..	..	..	..	..	..	..	..	..
Palghat ..	..	13	..	..	13	..	..	..	..	..	..	..	..	..	..
Total ..	..	63	..	..	63	112	1	..	..	113	306	2	..	..	307
Grand Total ..	794	217	18	18	1,098	118	217	13	..	348	362	50	..	..	412
TOTAL PRESIDENCY.	845	277	27	..	304	34	..	..	..	34	6	2	..	..	8
Reserves ..	26	442	95	..	553	4	81	..	..	85	..	..	..	..	..
Leased forests ..	1,148	686	113	18	1,965	156	298	13	..	467	368	52	..	..	420
Unreserved lands ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1,148	686	113	18	1,965	156	298	13	..	467	368	52	..	..	420

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1930-31 and agency of exploitation—*cont.*

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn. (32)
	(17) Government	(18) Purchasers.	(19) Free grantees.	(20) Right- holders.	(21) Total.	(22) Government.	(23) Purchasers.	(24) Free grantees.	(25) Right- holders.	(26) Total.	(27) Government.	(28) Purchasers.	(29) Free grantees.	(30) Right- holders.	(31) Total.	
SIXTH CIRCLE—cont.																
IV. <i>Unreserved Lands</i> —cont.																
The Nilgiris ..	..	..	1	..	1	..	13	1	..	14	..	23	..	..	23	23
Palghat ..	..	..	..	..	..	..	..	..	..	..	..	76	..	..	76	90
Total ..	..	53	1	16	70	..	66	1	16	83	..	208	..	14	222	305
Grand Total ..	..	73	2	16	91	1,211	139	2	16	1,368	677	1,939	..	14	2,630	3,998
TOTAL PRESIDENCY.																
Reserves ..	33	113	5	..	151	1,358	597	36	18	2,009	1,103	17,503	112	55	18,773	20,782
Leased Forest ..	..	..	..	..	..	317	20	..	..	346	1	12	..	..	13	359
Unreserved lands ..	2	921	73	16	1,012	32	1,414	168	16	1,661	4	1,683	..	14	1,701	3,361
Total ..	35	1,034	78	16	1,163	1,707	2,070	204	34	4,015	1,108	19,198	112	69	20,487	24,502
										(a) + 107 (b) + 157					(a) + 107 (b) + 157	
										4,279					(c) 24,764	

(a) Added to represent the log equivalent of sawn timber.
(b) Do. of square timber.

(c) The total outturn excludes the figures for Palakimedi Malus (i.e., 44 c.ft. of timber and 126 c.ft. of fuel).

Wynaad.—Money value converted at 6 annas per cubic foot for timber and 8 annas per cart-load of 20 c.ft. for fuel.

The Nilgiris.—Converted from money value at 4 annas per cart-load of 20 c.ft. of fuel.

Palghat.—Converted from money value at 4 annas per cubic foot of timber and 6 pies per cubic foot of fuel.

RIGHT-HOLDERS AND FREE GRANTEES.—Actuals.

PRIVATE AGENCY.—

Forest Department.—Based on figures furnished by contractors.

REVENUE DEPARTMENT.—

North and South Mangalore.—Based on taluk accounts and also in the

case of fuel by conversion of money value at 10 annas per cart-load of 20 c.ft.

ANNUAL FORM No. 36.

Forest Department, Madras Presidency.

Outturn of minor forest produce during the year 1930-31.

Circle.	Description of produce.	Produce removed or utilized.				
		By Govern- ment agency.	By purcha- sers.	By free grantees.	By right- holders.	Total.
		Value.	Value.	Value.	Value.	Value.
First Circle.	<i>Reserved Forests.</i>	RS.	RS.	RS.	RS.	RS.
	Bamboos	235	78,635	1,294	..	80,164
	Grazing	..	1,06,827	14,818	187	1,21,832
	<i>Other produce.</i>					
	Grass (hay, thatch, etc.) ..	60	1,111	37	..	1,208
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	2,227	2,565	..	..	4,792
	Horns, skins, wax, resin, gum, honey, etc.	..	435	..	..	435
	Tangedu, etc., barks and fibres, sarasaparilla, etc.	1,323	7,905	..	..	9,228
	Date and palmyra leaves, stalks, modugu, etc., leaves.	..	290	..	..	290
	Manure leaves, thorns, etc. ..	..	490	..	..	490
	Stone, gravel, etc.	..	411	..	..	411
	Tree owners' fees	..	..	..	..	..
	Lease of shandies	..	6,528	..	..	6,528
	Miscellaneous	3,470	7,453	..	335	11,258
	Total, other produce ..	7,080	27,188	37	335	34,640
	Total, Reserved Forests ..	7,315	2,12,650	16,149	522	2,36,636
	<i>Reserved Lands.</i>					
	Bamboos	..	54,662	..	..	54,662
	<i>Other produce.</i>					
	Grass (hay, thatch, etc.) ..	..	132	..	..	132
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	..	29,530	..	..	29,530
	Horns, resin, skins, wax, gum, honey, etc.	..	162	..	..	162
	Date and palmyra leaves, stalks, etc.	..	491	..	..	491
	Tangedu, etc., barks and fibres, sarasaparilla, etc.	..	54	..	..	54
	Total, other produce ..	..	30,369	..	..	30,369
	Total, Reserved Lands ..	..	85,031	..	..	85,031
	<i>Unreserves.</i>					
	Bamboos	36	8,327	16	..	8,379

Outturn of minor forest produce during the year 1930-31—cont.

Circle.	Description of produce.	Produce removed or utilized.				
		By Govern- ment agency.	By purcha- sers.	By free grantees.	By right- holders.	Total.
		Value.	Value.	Value.	Value.	Value.
First Circle—cont.	<i>Other produce.</i>	RS.	RS.	RS.	RS.	RS.
	Grass (hay, thatch, etc.) ..	16	206	..	..	222
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	..	1,689	..	..	1,689
	Horns, skins, wax, resin, gum, honey, etc.	..	50	..	..	50
	Tangedu barks and fibres, sarasaparilla, etc.	4	1,158	..	..	1,162
	Date and palmyra leaves, stalks and modugu, etc., leaves	..	284	675	..	959
	Stone, gravel, etc.	..	869	..	..	869
	Tree owners' fees	..	41,962	..	..	41,962
	Lease of shandies	..	..	..	..	..
	Miscellaneous	..	7,321	1,315	..	8,636
	Total, other produce ..	20	53,539	1,990	..	55,549
	Total, Unreserves ..	56	59,866	2,006	..	61,928
	<i>Abstract.</i>					
	Bamboos	271	1,39,624	1,310	..	1,41,205
	Grazing	..	1,06,827	14,818	187	1,21,832
	Other minor forest produce ..	7,100	1,11,096	2,027	335	1,20,558
	Total ..	7,371	3,57,547	18,155	522	3,83,595
	<i>Reserves.</i>					
	Bamboos	233	68,702	388	..	69,323
	Grazing	..	1,47,689	..	3,826	1,51,515
	Podder grass	..	3,335	..	..	3,335
	Penning fees	..	2,466	..	..	2,466
	Kanoha fees	..	570	..	..	570
	Total, grazing fees ..	..	1,54,060	..	3,826	1,57,886
Second Circle.	<i>Minor forest produce.</i>					
	Grass (hay, thatch, etc.) ..	87	182	39	..	308
	Tamarind, soapnuts and nux-vomica.	..	3,246	..	..	3,246
	Stone, gravel and earth ..	..	5,462	243	..	5,705
	Date, palmyra and plate leaves ..	..	1,125	..	..	1,125
	Manure leaves, bats' dung and thorns.	..	4,052	..	..	4,052
	Tunki leaves	..	4,146	..	..	4,146
	Horns, honey, wax, resin, gums and galnuts.	..	4,140	..	..	4,140
	Tangedu, rela, yepi and seeds ..	40	12,702	..	..	12,742
	Miscellaneous including tree- tapping fees and amaroy.	..	2,181	..	..	2,181
	Total of minor forest produce.	127	37,236	282	..	37,645
	Grand total of grazing and minor forest produce of Reserves.	127	1,91,296	282	3,826	1,95,531

Outturn of minor forest produce during the year 1930-31—*cont.*

Circle.	Description of produce.	Produce removed or utilized.				
		By Govern- ment agency.	By purcha- sers.	By free grantees.	By right- holders.	Total.
		Value.	Value.	Value.	Value.	Value.
Second Circle— <i>cont.</i>	<i>Unreserves.</i>	RS.	RS.	RS.	RS.	RS.
	Bamboos	..	..	..	..	..
	<i>Minor forest produce.</i>					
	Thatch grass and palmyra leaves.	..	..	166	..	166
	Tamarind, soapnuts and nux-vomica.	..	887	..	..	887
	Stone, gravel and earth	..	1,782	..	..	1,782
	Date, palmyra and plate leaves.	..	81	..	..	81
	Manure leaves, bats' dung and thorns.	..	207	..	..	207
	Tangedu, rela, yepi and seeds ..	..	69,304	..	..	69,304
	Tumki leaves	..	668	..	..	668
Fourth Circle.	Miscellaneous, including tree-tapping fees.	..	1,23,898	..	..	1,23,898
	Total of minor forest produce of Unreserves.	..	1,96,827	166	..	1,96,993
	Grand total of bamboos of Reserves and Unreserves.	233	68,702	388	..	69,323
	Grand total of grazing and minor forest produce of Reserves and Unreserves.	127	3,88,123	448	3,826	3,92,524
	<i>Reserved Forests.</i>					
	Bamboos	7	1,13,739	412	..	1,14,168
	Grass and grazing	..	1,84,985	..	..	1,84,985
	<i>Other minor produce.</i>					
	Thatch grass	..	3	..	..	3
	Avaram and konnai bark	..	12,139	..	..	12,139
Fifth Circle.	Date, palmyra, tooki plate, etc., leaves.	..	270	..	..	270
	Manure leaves	1	4,663	..	..	4,664
	Stone, gravel, sand, etc.	..	1,370	..	..	1,370
	Soapnuts and galnuts	..	4,145	..	..	4,145
	Lao	308	..	..	..	308
	Miscellaneous	1,048	25,531	11	..	26,590
	Total	1,357	48,121	11	..	49,489
	<i>Reserved Lands.</i>					
	Manure leaves	..	685	..	..	685
	<i>Unreserves.</i>					
Sixth Circle.	Bamboos	..	..	23	..	23
	Grass	..	..	1	..	1

Outturn of minor forest produce during the year 1930-31—*cont.*

Circle.	Description of produce.	Produce removed or utilized.				
		By Govern- ment agency.	By purcha- sers.	By free grantees.	By right- holders.	Total.
		Value.	Value.	Value.	Value.	Value.
Fourth Circle— <i>cont.</i>	<i>Other produce.</i>	RS.	RS.	RS.	RS.	RS.
	Avaram, konnai, etc., barks ..	..	5,574	..	..	5,574
	Date, palmyra, tooki plate, etc., leaves.	..	2,150	19	..	2,169
	Manure leaves	..	2,359	..	..	2,359
	Tamarind and nux-vomica	..	9,006	..	..	9,006
	Stone gravel, sand, etc.	..	1,587	..	..	1,587
	Miscellaneous including tree tapping fees.	..	61,113	1	..	61,114
	Total	..	81,789	20	..	81,809
	<i>Leased Forests — Nil.</i>					
	<i>Abstract.</i>					
Fifth Circle.	Bamboos	7	1,13,739	435	..	1,14,181
	Grass and grazing	..	1,84,985	1	..	1,84,986
	Other produce	1,357	1,30,595	31	..	1,31,983
	Total	1,364	4,29,319	467	..	4,31,150
	Bamboos	5	(a) 38,158	376	..	38,539
	Grazing	..	1,19,454	15	1,416	1,20,885
	Fodder grass	..	1,212	..	..	1,212
			1,20,666	15	1,416	1,22,097
	<i>Other produce.</i>					
	Grass (thatch, eacham, aocha fibre and creeper).	..	279	22	..	301
Sixth Circle.	Tamarind, galnuts, soapnuts, shekoi, mangoes, cardamoms, jack, etc.	3,516	26,733	..	..	30,249
	Avaram, konnai, vembadam	..	9,139	..	..	9,139
	Date leaves, korai grass, kaya leaves, manure leaves, palmyra, etc.	..	7,904	..	611	8,515
	Stones, trees, massies, mud, lime stone, etc.	..	2,582	..	..	2,582
	Deer horns, sambur horns, honey, tusks, wax, etc.	926	26	..	..	952
	Miscellaneous	..	13,216	..	..	13,216
	Total	4,442	59,879	22	611	64,954
	<i>Unreserved Lands.</i>					
	Bamboos	..	3	..	..	3
	<i>Other produce.</i>					
	Avaram, konnai, amarooy	..	5,020	..	..	5,020
	Sivai-jama tree tax, fees on trees, stones, etc.	..	5,950	..	..	5,950
	Usufructs of trees, palmyras, tamarind, etc.	..	11,232	..	..	11,232

(a) Rs. 1,700 relates to Mount Stuart Working Circle.

* Includes Rs. 357 relating to the Nilgiris, Rs. 25 to Wynad and Re. 1 to South Mangalore.

Outturn of minor forest produce during the year 1930-31—*cont.*

Circle.	Description of produce.	Produce removed or utilized.				
		By Govern- ment agency.	By pur- chasers.	By free grantees.	By right- holders.	Total.
		Value.	Value.	Value.	Value.	Value.
Fifth Circle— <i>cont.</i>	<i>Other produce—cont.</i>	RS.	RS.	RS.	RS.	RS.
	Kaya leaves, korai and grass ..	..	5,976	..	..	5,976
	Miscellaneous ..	..	8,005	..	..	8,005
	Total ..	..	36,183	..	..	36,183
	<i>Abstract.</i>					
	Bamboos ..	5	38,161	375	..	38,542
	Grazing and fodder grass ..	..	1,20,666	15	1,416	1,22,097
	Other produce ..	4,442	96,062	22	611	1,01,137
	Total ..	4,447	2,54,889	413	2,027	2,61,776
	<i>Reserved Forests.</i>					
Sixth Circle.	Bamboos ..	8,860	18,076	115	..	27,051
	Grazing and fodder grass ..	214	29,501	182	..	29,897
	<i>Other produce.</i>					
	Stones, gravel, etc. ..	..	1,364	21	..	1,385
	Canes ..	13	684	..	..	697
	Wood oil ..	..	511	..	..	511
	Coconuts ..	..	3,286	..	..	3,286
	Hopea bark ..	3,502	..	..	..	3,502
	Dhupa fruits ..	..	1,100	..	..	1,100
	Other items, including tusks, etc. ..	1,337	17,072	..	..	18,409
	Total ..	4,862	24,017	21	..	28,890
	Total, Reserves ..	13,926	71,594	318	..	85,838
	<i>Reserved Lands.</i>					
	Bamboos ..	7	102	3	..	112
	Grazing and fodder grass ..	..	..	399	..	399
	Total, Reserved Lands ..	7	102	402	..	511
	<i>Leased Forests.</i>					
	Bamboos ..	2,348	..	..	..	2,348
	Other minor produce ..	17	215	..	..	232
	Total, Leased Forests ..	2,365	215	..	..	2,580
	<i>Unreserved Lands.</i>					
	Bamboos ..	..	38	..	..	38

Outturn of minor forest produce during the year 1930-31—*cont.*

Circle.	Description of produce.	Produce removed or utilized.				
		By Govern- ment agency.	By pur- chasers.	By free grantees.	By right- holders.	Total.
		Value.	Value.	Value.	Value.	Value.
Sixth Circle— <i>cont.</i>	<i>Other produce.</i>	RS.	RS.	RS.	RS.	RS.
	Stones, gravel, etc. ..	..	779	..	..	779
	Other items ..	..	6,392	..	..	6,392
	Total, Unreserved Lands ..	..	7,209	..	..	7,209
	<i>Abstract.</i>					
	Bamboos ..	11,215	18,216	118	..	29,549
	Grazing and fodder grass ..	214	29,501	581	..	30,296
	Other produce ..	4,869	31,403	21	..	36,293
	Grand total ..	16,298	79,120	720	..	96,138
	<i>Reserved Forests.</i>					
Parlakimedi Malaha.	Bamboos ..	10	3,221	113	104	3,448
	Grazing ..	..	1,456	..	..	1,456
	Other produce ..	235	19,758	25	58	20,076
	Total ..	245	24,436	138	162	24,880
	<i>Reserved Forests.</i>					
	Bamboos ..	9,340	3,17,310	2,585	..	3,29,235
	Grazing ..	..	5,66,762	44,334	5,611	6,16,697
	Other produce ..	17,858	1,96,441	373	946	2,15,618
	<i>Reserved Lands.</i>					
	Bamboos ..	10	57,890	215	107	58,222
Total, Presidency.	Grazing ..	..	1,456	399	..	1,855
	Other produce ..	235	50,812	25	58	51,130
	<i>Unreserved Lands.</i>					
	Bamboos ..	36	6,368	39	..	6,443
	Grazing ..	..	..	1	..	1
	Other produce ..	20	3,75,509	2,176	..	3,77,705
	<i>Grand total, Presidency.</i>					
	Bamboos ..	9,386	3,81,568	2,839	107	3,93,900
	Grazing ..	..	5,68,208	44,734	5,611	6,18,553
	Other produce ..	18,113	6,22,762	2,574	1,004	6,44,453
	Total ..	27,499	15,72,538	50,147	6,722	16,56,906

ANNUAL FORM No. 37.

Forest Department, Madras Presidency.

Account of timber, fuel, bamboos and minor produce cut or collected by Government agency and brought to depot, sold locally or otherwise disposed of during 1930-31.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
TIMBER (IN THOUSANDS OF CUBIC FEET).					
<i>First Circle.</i>					
Ganjam	31	131	162	(a) 114 (b) 1 (c) 11	38
Vizagapatam	..	11	11	(a) 11	..
Godavari, Upper	57	50	107	(a) 18 (b) 5	84
Do. Lower	1	3	4	(a) 1	3
Guntur	..	2	2	(b) 2	..
Nellore	1	..	1	(b) 1	..
Total	90	197	287	164	123
<i>Second Circle.</i>					
Anantapur	..	..	..	(a) 2 (b) 1	1
Kurnool, East	..	4	4	(a) 32 (b) 5 (c) 1	3 2
Do. South	1	34	35	(a) 1	..
Do. West	4	4	8	(a) 4 (b) 4 (c) 3	..
Cuddapah, North	1	..	1	(a) 3	..
Do. South	..	3	3	..	..
Total	6	45	51	45	6
<i>Fourth Circle.</i>					
Chittoor	..	2	2	(b) 2	..
Vellore	1	(a) 20	21	(b) 10	11
Salem, North	1	9	10	9	1
Do. Central	..	2	2	2	..
Do. South	1	1	2	1	1
Total	3	34	37	24	13

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

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

Note for the Fourth Circle.—(a) Includes 9,000 cubic feet of sandalwood from other divisions.

(b) Nine thousand cubic feet sold and 1,000 cubic feet deficit.

Note.—Timber includes sandalwood.

Account of timber, fuel, bamboos and minor produce cut or collected by Government agency and brought to depot, sold locally or otherwise disposed of during 1930-31—cont.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
TIMBER (IN THOUSANDS OF CUBIC FEET)—cont.					
<i>Fifth Circle.</i>					
Kollegal	..	(f) 11	11	11	..
Coimbatore, North	2	(f) 21	23	20	3
Do. South—	..	..	..	..	..
Non-commercial area ..	14	24	38	26	12
Commercial	(a) 82 + 25	245	352	221	131
Valparai (scantlings) ..	..	2	2	2	..
Madura	1	1	2	1	1
Tinnevely	5	6	11	8	3
Total	129	310	439	289	150
SLEEPERS (IN NUMBER)					
Coimbatore, South—	..	..	..	..	..
Valparai, B.G.	3,660	10,860	14,510	13,306	1,204
Do. M.G.	..	4,968	4,968	4,251	717
TIMBER (IN THOUSANDS OF CUBIC FEET).					
<i>Sixth Circle.</i>					
Mangalore, North	55	53	108	(a) 53 (b) 2 (c) 2	51
Do. South	(f) 145	66	211	(a) 101 (b) 6 (c) 2 (d) 19 (e) 5	83
Forest Utilization Officer (logs) ..	5	..	5	..	..
Forest Utilization (sawn timber) ..	53	19	72	(a) 47	25
Total, Mangalore, South ..	203	85	288	180	108
Wynaad	(f) 188	433	621	(a) 130 (b) 13 (c) 27 (d) 24 (e) 9 (f) 17 (g) 19	427
Forest Utilization Officer (logs) ..	3	23	26	..	..
Forest Utilization Officer (sawn timber) ..	23	5	28	(a) 19	9
Total, Wynaad	214	461	675	239	436
Nilambur	508	422	930	(a) 534 (b) 157 (c) 272	396
Forest Utilization Officer (logs) ..	114	315	429	..	..
Forest Utilization Officer (sawn timber) ..	23	5	28	12	16
Total, Nilambur	645	742	1,387	975	412

Note for the Fifth Circle.—(a) Represents opening balance in respect of Pollachi timber sale depot taken over by the district. (f) Includes sandalwood 2 quarters being equal to 1 cubic foot.

Note for the Sixth Circle.—(a) Sales. (b) Used departmentally. (c) Written off. (d) Supplied as specimen to Dehra Dun. (e) Delivered to the Forest Utilization Officer. (f) Difference in the closing stock of last year, now corrected. (h) Stock transferred to the respective division by the Forest Utilization Officer.

Account of timber, fuel, bamboos and minor produce cut or collected by Government agency and brought to depot, sold locally or otherwise disposed of during 1930-31—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
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TIMBER (IN THOUSANDS OF CUBIC FEET)—*cont.*

<i>Sixth Circle—cont.</i>					
The Nilgiris	25	67	92	(a) 15	77
Palghat	8	106	114	79	35
Forest Utilization Officer (sawn timber).	1	..	1	..	1
Forest Engineer (sawn timber).	(g) 13	..	13	13	..
Total, Palghat ..	22	106	128	92	36
Total, Sixth circle ..	1,164	1,514	2,678	1,558	1,120
Parlakimedi Maliahs ..	..	5	5	4	1
Grand total, Presidency ..	1,392	2,105	3,497	2,084	1,413

FUEL (IN THOUSANDS OF CUBIC FEET).

<i>First Circle.</i>					
Ganjam	5	34	39	(a) 38	1
Godavari, Upper	..	4	4	(a) 3	..
Do. Lower	17	29	46	(b) 1	..
Guntur	2	12	14	(a) 22	24
Nellore	..	1	1	(a) 8	6
.. ..	..	..	..	(a) 1	..
Total ..	24	80	104	73	31
<i>Second Circle.</i>					
Anantapur	6	3	9	(a) 8	1
Kurnool, East	..	..	..	(a) 13	23
Do. South	3	33	36	(a) 94	3
Do. West	86	11	97	(a) 50	21
Cuddapah, North	39	32	71	(a) 98	6
Do. South	3	101	104	..	..
Total ..	137	180	317	263	54
<i>Fourth Circle.</i>					
Chittoor	10	21	31	17	14
Vellore	44	27	71	52	19
Salem, North	..	6	6	2	4
Do. Central	..	12	12	..	12
Do. South	7	9	16	7	9
Total ..	61	75	136	78	58

Note for the Sixth Circle.—(a) Sales. (g) Correct figures furnished by the Forest Engineer.

Note for the First Circle.—(a) Sold departmentally. (b) Used departmentally.

Note for the Second Circle.—(a) Sold departmentally.

Account of timber, fuel, bamboos and minor produce cut or collected by Government agency and brought to depot, sold locally or otherwise disposed of during 1930-31—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
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FUEL (IN THOUSANDS OF CUBIC FEET)—*cont.*

<i>Fifth Circle.</i>					
Coimbatore, North ..	..	22	22	22	..
Do. South	..	20	20	9	11
Madura	1	53	54	48	6
Tinnevely	7	..	7	7	(b) ..
Total ..	8	95	103	86	17
<i>Sixth Circle.</i>					
Mangalore, North ..	24	1	25	(i) 16	..
.. ..	..	..	..	(j) 8	1
Nilambur	38	1	39	39	..
The Nilgiris	189	674	863	514	349
Total ..	251	676	927	577	350
Parlakimedi Maliahs ..	29	71	100	44	56
Grand total, Presidency ..	510	1,177	1,687	1,121	566

BAMBOOS (IN NUMBER).

<i>First Circle.</i>					
Ganjam	..	4,149	4,149	(b) 4,149	..
Vizagapatam	..	917	917	(b) 767	150
Godavari, Upper	..	13,315	13,315	(b) 11,215	2,100
Do. Lower	..	990	990	(a) 990	..
Nellore	..	7	7	(b) 7	..
Total ..	..	19,378	19,378	17,128	2,250
<i>Second Circle.</i>					
Anantapur	..	..	..	(a) 13,405	..
Kurnool, East	..	14,415	14,415	(b) 1,010	..
.. ..	..	..	..	(b) 5,350	..
Kurnool, South	..	5,350	5,350	(a) 654	..
Kurnool, West	654	110	764	(b) 110	..
Cuddapah, North	..	1,695	1,695	(b) 1,695	..
Cuddapah, South	..	450	450	(b) 450	..
Total ..	654	22,020	22,674	22,674	..
<i>Fourth Circle.</i>					
Vellore	..	100	100	100	..
Salem, North	..	230	230	230	..
Salem, South	..	285	285	..	285
Total ..	..	615	615	330	285

Note for the Fifth Circle.—(b) Four hundred and sixty cubic feet which is less than 1,000 cubic feet has been shown as Nil.

Note for the Sixth Circle.—(i) Sold. (j) Written off.

Note for the First Circle.—(a) Sold departmentally. (b) Used departmentally.

Note for the Second Circle.—(a) Sold departmentally. (b) Used departmentally.

Account of timber, fuel, bamboos and minor produce cut or collected by Government agency and brought to depot, sold locally or otherwise disposed of during 1930-31—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
BAMBOOS (IN NUMBER)—<i>cont.</i>					
<i>Fifth Circle.</i>					
Coimbatore, North	..	1,448	1,448	1,448	..
<i>Sixth Circle.</i>					
Mangalore, South	..	9,049	9,049	(k) 9,049	..
Wynaad	1,166	16,677	16,833	(i) 215 (k) 16,618	..
Nilambur	7,765	1,36,037	1,43,802	1,36,483	8,319
Palghat	23	7,995	8,018	3,075	4,943
Total ..	8,944	1,68,758	1,77,702	1,64,440	13,262
Parlakimedi Maliahs ..	400	200	600	600	..
Grand total, Presidency ..	9,998	2,12,419	2,22,417	2,08,620	15,797

MINOR FOREST PRODUCE (IN QUARTERS OF 28 LB.)

<i>First Circle.</i>					
Ganjam	..	2,720	2,720	(b) 2,720	..
Vizagapatam	86	96	182	(a) 96 (c) 5	81
Godavari, Upper	750	3,436	4,186	(a) 29 (b) 3,682 (c) 102	373
Do. Lower	29	94	123	(b) 51	72
Guntur	38	87	120	(a) 106	15
Nellore	290	14,262	14,552	(a) 4,635 (b) 267 (c) 364	9,286
Total ..	1,188	20,695	21,883	12,056	9,827
<i>Second Circle.</i>					
Anantapur	15	95	110	(b) 55 (c) 1	54
Kurnool, East	38	3,295	3,333	(b) 3,307	26
Do. South	134	394	528	(b) 358	170
Do. West	..	..	..	..	..
Cuddapah, North	261	881	1,142	(a) 4 (b) 573	565
Do. South	188	656	844	(b) 796	48
Total ..	636	5,321	5,957	5,094	863

Notes for the Sixth Circle.—(i) Sold departmentally. (k) Used departmentally.
Notes for the First and Second Circles.—(a) Sold departmentally. (b) Used departmentally. (c) Written off.

Account of timber, fuel, bamboos and minor produce cut or collected by Government Agency and brought to depot, sold locally or otherwise disposed of during 1930-31—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
MINOR FOREST PRODUCE (IN QUARTERS OF 28 LB.)—<i>cont.</i>					
<i>Second Circle—<i>cont.</i></i>					
Chittoor	2	485	487	215	272
Vellore	93	491	584	185	399
Salem, North	99	377	476	109	367
Do. Central	3	20	23	..	23
Do. South	5	260	265	28	237
Total ..	202	1,633	1,835	537	1,298
<i>Fifth Circle.</i>					
Coimbatore, North ..	(c) 28	(d) 4,246	4,274	1,430	2,844
Do. South	79	(e) 54	133	91	42
Total ..	107	4,300	4,407	1,521	2,886
<i>Sixth Circle.</i>					
Mangalore, North ..	720	1,448	2,168	(i) 2,160	8
Do. South	(l) 1,069	84	1,153	(i) 619 (j) 534	..
Wynaad	..	1	1	(i) 1	..
The Nilgiris	51	179	230	(i) 220	10
Total ..	1,840	1,712	3,552	3,534	18
Parlakimedi Maliahs ..	6	14	20	6	14
Grand total, Presidency ..	3,979	33,675	37,654	22,748	14,906

Notes for the Fifth Circle.—(c) Correct opening balance.
 (d) Includes seeds one measure being equal to 1 lb.
 (e) Includes seeds one bag being equal to 2 quarters.
Notes for the Sixth Circle.—(i) Sold. (j) Written off. (l) Correct figure adopted.

ANNUAL FORM No. 38.

Forest Department, Madras Presidency.

Statement showing the value of timber and other produce at sale depots for the year 1930-31.

District.	Description of timber or produce	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number	Cubic feet.	Value.	Number	Cubic feet.	Value.	In favour of the year	Against the year.
	<i>First Circle.</i>			RS.			RS.	RS.	RS.
Vizagapatam.	Timber ..	1	12	16	4	67	17	1	..
Nellore ..	..	..	465	80	..	..	..	..	80
	Total timber ..	..	477	96	..	67	17	..	79
Nellore ..	Fuel ..	..	40	1	..	230	4	3	..
Vizagapatam.	Minor forest produce ..	..	QRS. 86	59	..	QRS. 81	32	..	27
Nellore ..	Do. ..	..	262	295	..	9,317	4,266	3,971	..
	Total minor forest produce.	..	348	354	..	9,398	4,298	3,944	..
	Grand, total ..	..	..	451	..	..	4,319	3,868	..
	<i>Second Circle.</i>								
Kurnool, South.	Timber ..	..	1,882	2,356	..	3,112	3,077	721	..
	Total ..	..	1,882	2,356	..	3,112	3,077	721	..
Kurnool, South.	Fuel ..	..	3,691	37	..	23,137	402	366	..
Cuddapah, South.	Fuel ..	..	2,460	41	..	..	..	..	41
	Total ..	..	6,151	78	..	23,137	402	366	41
	Grand, total ..	..	..	2,434	..	..	3,479	1,045	..
	<i>Fourth Circle</i>								
Chittoor ..	Timber ..	..	76	9	24	46	4	..	5
	Fuel ..	..	10,091	946	..	13,732	1,287	341	..
	Timber ..	..	..	..	..	10,315	2,03,811	2,03,811	..
Vellore ..	Minor forest produce.	..	..	..	..	QRS. 276	138	138	..
	Timber ..	..	609	2,491	..	988	3,650	1,156	..
	Fuel ..	..	..	..	..	4,000	105	105	..
Salem, North.	Minor forest produce.	..	QRS. 99	470	..	QRS. 367	692	213	..
	Timber ..	..	22	579	..	41	533	..	46
	Fuel ..	..	..	..	..	12,313	548	548	..
Salem, Central.	Minor forest produce.	..	QRS. 3	11	..	QRS. 20	70	59	..

Statement showing the value of timber and other produce at sale depots for the year 1930-31—cont.

District.	Description of timber or produce.	On hand at commence- ment of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
Salem, South.	<i>Fourth Circle</i> — cont.			RS.			RS.	RS.	RS.
	Timber	..	1,246	3,253	..	714	1,320	..	1,933
	Fuel	..	6,570	122	..	8,880	162	40	..
	Bamboos	..	..	..	285	..	30	30	..
	Minor forest produce.	..	QRS. 5	4	..	QRS. 237	162	158	..
	Total	..	..	7,897	..	..	212,512	204,615	..
Coim- batore, North.	<i>Fifth Circle.</i>								
	Timber	..	213	107	..	..	..	..	107
	Sandalwood ..	..	1,658	46,424	..	2,809	56,180	9,756	..
	Sambur and deer horns.	QRS. 28	..	72	29	..	119	47	..
	Gallnuts	..	..	..	2,813	..	3,516	3,516	..
Coim- batore, South.	Timber	..	30,802	38,132	..	49,247	56,182	18,050	..
	Spokes and fel- loes.	SETS. 354	..	5,753	12	..	1,372	..	4,381
Madura ..	Timber	..	272	95	..	270	95	..	..
	Brake-poles ..	NO. 131	..	33	304	..	76	43	..
	Sandalwood ..	..	..	..	..	(a) ..	10	10	..
	Fuel	..	561	70	..	6,055	757	687	..
	Charcoal	..	16	16	..	44	35	19	..
	Seeds	..	..	..	MES. 547	..	27	27	..
Tinnevely.	Lac	..	..	..	LB. 26	..	14	14	..
	Timber	..	5,102	5,740	..	3,516	4,611	..	1,129
	Sandalwood ..	..	19	595	..	30	825	230	..
	Fuel	..	7,110	1,777	..	460	36	..	1,741
	Timber	..	36,389	44,074	..	53,033	60,888	16,814	..
Abstract ..	Brake-poles ..	131	..	33	304	..	76	43	..
	Sandalwood ..	..	1,677	47,019	..	2,839	57,015	9,996	..
	Spokes and fel- loes.	SETS. 354	..	5,753	12	..	1,372	..	4,381
	Fuel	..	7,671	1,847	..	6,515	793	..	1,054
	Charcoal	..	16	16	..	44	35	19	..
	Sambur and deer horns.	QRS. 28	..	72	29	..	119	47	..

(a) 20 lb. of sandalwood which is less than 1 qr. has been shown as nil.

Statement showing the value of timber and other produce at sale depots for the year 1930-31—cont.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
Abstract.	<i>Fifth Circle</i> —cont.			RS.			RS.	RS.	RS.
	Gallnuts ..	..	..	..	2,818	..	3,516	3,516	..
	Seeds ..	..	..	..	MRB. 547	..	27	27	..
	Lac ..	..	..	..	LR. 26	..	14	14	..
	Total ..	..	..	98,814	..	..	1,23,855	25,041	..
Mangalore, North.	<i>Sixth Circle.</i>								
	Timber ..	..	29,550	23,899	..	32,536	30,442	6,543	..
	Do. ..	..	13,138	13,684	..	28,292	34,878	21,194	..
	Sawn Timber ..	..	52,715	1,05,400	..	24,574	30,400	..	75,000
	Total, Mangalore, South.	..	65,853	1,19,084	..	52,866	65,278	..	53,806
Wynaad Forest Utilization division.	Timber ..	..	12,910	36,238	..	153,223	2,87,864	2,51,626	..
	Sawn Timber ..	..	22,580	54,500	..	9,466	15,400	..	39,100
	Total, Wynaad.	..	35,490	90,738	..	162,689	3,03,264	2,12,526	..
Nilambur ..	Timber ..	..	* 1,37,627	† 90,667	..	171,042	93,731	3,064	..
Palghat ..	Forest Utilization Officer, Sawn Timber.	..	1,344	2,350	..	1,344	† 1,277	..	1,073
	Forest Engineer, Logs.	..	411	194	..	..	..	..	194
	Forest Engineer, Sleepers.	..	6,098	7,121	..	..	..	..	7,121
	Total, Palghat.	..	7,853	9,665	..	1,344	1,277	..	8,388
	Total, Sixth Circle.	..	276,373	3,34,053	..	420,477	493,992	2,22,133	62,194
Mangalore, North.	Minor produce (Hopea bark).	..	TONS. 4½	439	..	..	..	..	439

Notes.—(1) The stock shown in South Coimbatore relates to Pollachi depot which was taken over by the District during the year.

(2) Factor of conversion: Sandalwood 2 qrs. = 1 c.ft. Charcoal 40 lb. = 1 c.ft.

* Correct figure adopted. † Value revised with reference to the Audit report for 1929-30.

‡ Revised value adopted by the Forest Utilization Officer.

Statement showing the value of timber and other produce at sale depots for the year 1930-31—cont.

District.	Description of timber or produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.	
		Number.	Cubic feet.	Value.	Number.	Cubic feet.	Value.	In favour of the year.	Against the year.
Parlakimedi Maliahs.	<i>Sixth Circle</i> —cont.			RS.			RS.		
	Timber ..	124	245	372	356	1,230	1,727	1,355	..
	Fuel ..	292	29,200	1,168	564	56,400	2,256	1,088	..
	Bamboos ..	400	..	7	..	..	..	..	..
	Minor forest produce.	..	QRS. 6	170	..	14	538	373	..
Total, Presidency.	Timber ..	..	..	4,40,091	..	..	8,27,482	3,87,391	..
	Fuel ..	..	..	4,178	..	..	5,592	1,414	..
	Bamboos ..	..	..	7	..	..	30	23	..
	Minor forest produce.	..	..	1,529	..	..	9,574	8,045	..
Grand Total, Presidency.	..	..	..	4,45,805	..	..	8,42,678	3,96,873	..

ANNUAL FORM No. 39.
Forest Department, Madras Presidency.
Summary of Revenue of the different districts—1930-31.

Budget heads.	Direction.	Ganjam.	Vizaga- patam.	Godavari Upper.	Godavari Lower.	Guntur.	Nellore.	Total.	Parlakimedi Maliabs.	Golconda Agency.	Grand total.
FIRST CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest Receipts.											
Timber and other produce removed by Government Agency—	..	23,963 1,416	12,357 ..	2,938 119	522 1,995	8 429	12 28	39,800 4,078	3,869 1,768	3,559 ..	47,228 6,846
Timber ..	..	52	..	..	..	..	..	52	10	..	62
Firewood and charcoal.	..	52	49	..	..	..	1,620	7,126	235	..	7,361
Bamboos ..	(a) 5,405										
Other minor forest pro- duce.											
Forest Depart- ment—											
Timber ..	..	1,722	31	4,204	15,108	668	..	21,723	7,517	610	29,850
Firewood ..	(a) 40,330	27,916	6,025	693	49,009	56,019	37,487	2,16,479	4,925	..	2,21,404
Bamboos ..	..	6,857	17,831	16,498	91,143	6,913	..	1,39,242	3,221	..	1,42,463
Grazing ..	..	9,148	2,371	8,272	17,784	47,523	21,739	1,06,837	1,456	273	1,08,566
Other minor forest produce.	215	2,015	6,278	3,959	36,968	5,331	6,095	60,861	19,753	800	81,419
Revenue Depart- ment—											
Timber ..	..	11,395	1,048	..	7,217	1,828	1,733	23,221	..	..	23,221
Firewood ..	..	3,490	1,300	..	1,445	8,887	1,666	16,788	..	..	16,788
Bamboos ..	..	135	..	..	..	..	..	135	..	..	135
Other minor forest produce.	..	3,975	2,043	..	23,444	15,923	6,297	51,882	..	..	51,882

(a) Relates to Nellore.

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Ganjam.	Vizaga- patam.	Godavari Upper.	Godavari Lower.	Guntur.	Nellore.	Total.	Parlakimedi Maliabs.	Golconda Agency.	Grand total.
FIRST CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest Receipts —cont.											
Drift and wail- wood.	..	970	40	1,007	3,030	132	331	5,510	42	..	5,552
Fines and forfeitures.	(a) 40	357	455	15	2,924	516	685	4,922	124	12	5,128
Rents of buildings.	..	1,471	386	1,680	1,229	400	854	5,920	175	68	6,163
Other sources.	(b) 150	5,582	3,487	1,460	8,293	13,485	9,028	41,485	1,381	78	42,944
Total ..	46,231	1,00,516	53,701	40,745	2,60,311	1,57,052	87,575	7,46,131	44,481	5,400	7,96,012
Deductions—Refunds ..	..	1,999	106	112	2,481	— 41	752	5,409	..	1	5,410
Net total ..	46,231	98,517	53,595	40,633	2,57,830	1,57,093	86,823	7,40,722	44,481	5,399	7,90,602

(a) Relates to Nellore.

(b) Out of Rs. 150, Rs. 6 relates to Lower Godavari.

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Anantapur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
SECOND CIRCLE.								
VIII. Forest Receipts.								
(a) Timber and other produce removed from forests by Government Agency—		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Other produce—								
Timber	..	126	1,200	13,442	2,430	22	4,750	22,170
Firewood and charcoal	..	362	70	70	1,343	123	103	1,941
Bamboos	..	..	145	2	..	..	..	147
Total (a)	..	428	1,345	13,514	3,973	145	4,853	24,258
(b) Timber and other produce removed from the forests by consumers or purchasers—								
Forest Department—								
Timber	..	1,159	1,162	11,997	4,127	3,029	3,229	24,703
Firewood and charcoal	..	4,771	2,219	7,844	12,640	19,956	1,23,953	1,71,333
Bamboos	..	425	3,300	38,175	15,480	5,945	4,923	68,230
Grazing and fodder grass	..	23,829	29,337	19,699	34,598	27,689	15,103	1,56,256
Other minor produce	..	7,393	4,734	3,149	17,508	3,953	3,430	40,167
Total, Forest Department	..	37,577	40,752	80,864	84,333	60,572	1,50,640	4,54,786
Revenue Department—								
Timber	..	16,204	368	957	3,589	147	396	21,661
Firewood and charcoal	..	4,877	278	1,107	2,677	659	333	9,929
Other minor produce	..	1,43,426	5,294	4,783	33,045	4,040	4,666	1,95,254
Total, Revenue Department	..	1,64,507	5,940	6,845	39,311	4,846	5,395	2,26,844
Total (b)	..	2,02,084	46,692	87,709	1,23,644	65,418	1,56,035	6,81,582
(c) Drift and waifwood and confiscated forest produce	..	109	69	722	729	123	628	2,380

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Anantapur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total.
SECOND CIRCLE—cont.								
VIII. Forest Receipts—cont.								
(e) Miscellaneous—		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Fines and forfeitures	..	776	58	2,757	983	662	420	5,656
Rents of buildings	..	411	1,260	2,614	2,354	1,433	1,213	9,315
Other sources	70	17,693	3,993	10,016	13,407	5,371	6,320	56,870
Total (e)	70	18,880	5,311	15,417	16,744	7,466	7,953	71,841
Total	70	2,21,501	53,417	1,17,362	1,45,090	73,152	1,69,469	7,80,961
(h) Deduct—Refunds—Voted—								
Refunds by Forest officers	..	430	15	362	65	203	347	1,422
Grand total	70	2,21,071	53,402	1,17,000	1,45,025	72,949	1,69,122	7,79,539

NOTE.—This return excludes the revenue of Rs. 771 realized in IV Circle on account of sale of sandalwood, as it will be included in the return of IV Circle.

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Research.	Working Plans, Mount Stuart.	Working Plans, Mangalore.	Total.
THIRD (WORKING PLANS) CIRCLE.	RS.	RS.	RS.	RS.	RS.
VIII. Forest Receipts.					
(a) Timber and other produce removed from forests by Government Agency— Other produce— Timber		3	..	..	3
(e) Miscellaneous— Fines and forfeitures Rents of buildings Other sources	.. 456 158	1 121 5	.. 288 283	.. 2 1	1 867 447
Total (e) ..	614	127	571	3	1,315
Total ..	614	130	571	3	1,318
(A) Deduct—Refunds—Voted— Refunds by forest officers ..	9	..	..	..	9
Grand total ..	605	130	571	3	1,309

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
FOURTH CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
VIII. Forest Receipts.							
(e) Timber and other produce removed from forests by Government Agency— Sandalwood Other produce— Timber Firewood and charcoal Bamboos Other minor produce Total	2,535	348 3,953 114	78,742 86 1,064 5 112	78,544 385 25	6,127 9 12	8,233 182 178 .. 7	1,74,529 4,615 1,393 5 119
Total (e) ..	2,535	4,415	80,109	78,954	6,148	8,500	1,80,661
(b) Timber and other produce removed from the forests by consumers or purchasers— Forest Department— Timber Firewood and charcoal Bamboos Grazing and fodder grass Other minor produce Total, Forest Department .. ..	.. .. .. .. .. .. ..	301 12,387 15,245 24,303 7,090 59,326	465 26,745 71,909 45,712 18,948 1,83,779	22 5,224 5,937 29,374 7,683 48,240	1,001 25,132 15,220 61,666 8,380 1,11,399	46,390 25,631 4,911 15,128 45,670	1,789 72,452 1,13,827 1,84,115 56,951 4,29,134
Revenue Department— Timber Firewood and charcoal Bamboos Other minor produce Total, Revenue Department .. ..	.. .. .. .. ..	4,620 2,037 9,651 16,308 75,634	19,540 29,772 28,755 78,070 2,41,849	4,972 1,414 10,614 17,000 65,240	11,048 5,316 12,571 28,935 1,40,334	25,631 4,911 15,128 45,670 92,060	65,811 43,450 76,719 1,85,983 6,15,117
Total (b) ..	..	75,634	2,41,849	65,240	1,40,334	92,060	6,15,117

† Rs. 2,055 realized during 1931-32 and apportioned by the District Forest Officers, Vellore, excluded to tally with audited figures.

* Sandalwood revenue relating to other circles—
Tinnevely 1,764
Anantapur 661
South Cuddapah 110
Total .. 2,535

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
FOURTH CIRCLE—cont.							
VIII. Forest Receipts—cont.							
(c) Drift and waifwood and confiscated forest produce	..	94	104	168	195	147	708
(c) Miscellaneous—							
Fines and forfeitures	..	556	1,224	395	370	1,239	3,864
Rents of buildings	..	2,418	3,007	980	1,402	336	8,092
Other sources	..	7,758	24,597	7,537	22,959	12,333	75,184
Total (c)	2,535	10,742	28,898	8,862	24,731	13,907	87,140
Total	2,535	90,885	3,50,860	1,53,224	1,71,408	1,14,714	8,83,626
(b) <i>Deduct—Refunds—Voted—</i>							
Refunds by forest officers	..	174	7,028	242	1,478	— 189	8,733
Grand Total	2,585	90,711	3,43,832	1,52,982	1,69,930	1,14,903	8,74,898

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevely.	Tanjore.	Total.
FIFTH CIRCLE.								
VIII. Forest Receipts.								
Timber and other produce removed from the forests by Government Agency—								
Sandalwood	45,792	..	1,95,324	2	..	..	..	(a) 2,41,118
Other produce—								
Timber	..	51	634	1,67,721	839	8,697	..	1,77,942
Firewood and charcoal	..	..	..	120	722	4	..	846
Other minor produce	..	..	268	585	..	..	..	853
Timber and other produce removed from the forests by consumers or purchasers—								
Forest Department—								
Timber	..	3,437	1,049	724	1,214	30	9	6,463
Firewood and charcoal	..	3,917	24,588	15,716	91,630	90,391	480	2,26,722
Bamboos	..	6,146	17,435	7,995	2,957	1,920	..	36,453
Grazing and fodder grass	..	45,614	37,483	4,634	24,478	8,426	336	1,20,971
Other minor produce	..	5,133	(b) 7,938	6,704	28,468	13,468	2,865	64,576
Revenue Department—								
Timber	..	2,091	5,075	2,210	8,963	295	196	18,830
Firewood and charcoal	..	175	2,584	2,972	9,722	13,646	3,372	32,571
Bamboos	..	1,391	2,441	2,254	16,472	18,359	28	31
Other minor produce	..	34	164	47	344	294	3,365	39,282
Drift and waifwood and confiscated forest produce	..	..	..	38,464	..	..	..	891
Profits from Government commercial undertakings—								
Mount Stuart	..	..	..	..	..	..	..	38,464
Miscellaneous—								
Fines and forfeitures	..	43	537	79	748	797	..	2,204
Rents of buildings	..	1,076	935	922	2,111	1,338	3	6,384
Other sources	23	5,279	13,316	5,566	21,913	9,936	5,323	61,356
Recoveries of indirect charges from Government commercial undertakings—								
Mount Stuart Forests	..	..	..	6,544	..	..	..	6,544

(a) The amount is distributed as follows :—It excludes Rs. 1,763 realized in IV Circle on account of Tinnevely.

Kollegal	Rs. 1,40,175	The Nilgiris	Rs. 1,670
Coimbatore, North	98,791	Madras Forest College	480
Coimbatore, South	2		

(b) Includes Rs. 354 relating to the Nilgiris.

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinne- velly.	Tanjore.	Total.
FIFTH CIRCLE—cont.								
VIII. Forest Receipts—cont.								
Recoveries of investments in Government Commercial undertakings—								
Mount Stuart Forests	..	..	..	68	..	..	..	68
Total ..	45,815	74,387	3,09,870	2,63,327	2,10,584	1,62,601	15,985	10,82,569
Deduct—Refunds—Voted—								
Refunds by forest officers	..	23	2,118	2,360	1,697	90	+ 1,101	5,187
Net Total ..	45,815	74,364	3,07,752	2,60,967	2,08,887	1,62,511	17,086	10,77,382

Summary of revenue of the different districts, 1930-31—cont.

Budget heads.	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris.	Palghat.	Nilambur.	Total.
SIXTH CIRCLE.								
VIII. Forest Receipts.								
(a) Timber and other produce removed from forests by Government Agency—								
Sandalwood	..	6,000	3,500	..	12,195	..	..	21,695
Other produce—								
Timber	..	36,983	1,39,859	3,44,998	17,148	1,36,080	..	6,76,068
Firewood and charcoal	..	..	6	..	30,333	285	..	30,624
Bamboos	..	..	..	6	..	576	..	582
Other minor produce	1,144	2,358	41	29	851	..	..	4,423
Total ..	1,144	39,341	1,39,906	3,45,033	48,332	1,36,941	..	7,10,697
Total (a) ..	1,144	45,341	1,43,406	3,45,033	60,527	1,36,941	..	7,32,392
(b) Timber and other produce removed from the forests by consumers or purchasers—								
Forest Department—								
Timber	..	113	383	73	81	..	..	650
Firewood and charcoal	..	13,226	2,581	3	4,782	58,334	..	78,926
Bamboos	..	21	381	922	1,701	15,152	2	18,179
Grazing and fodder grass	..	5,294	10,114	3,897	5,742	4,453	..	29,500
Other minor produce	..	1,799	2,532	5,224	2,845	6,825	522	19,747
Total, Forest Department ..	..	20,453	15,991	10,119	15,151	84,764	524	1,47,002
Revenue Department—								
Timber	..	5,182	8,619	3,744	212	3,338	..	21,095
Firewood and charcoal	..	6,028	2,149	709	298	2,371	..	11,555
Bamboos	..	2	36	..	..	..	..	38
Other minor produce	..	1,120	1,656	1,024	56	3,303	..	7,169
Total, Revenue Department ..	..	12,332	12,470	6,477	566	9,012	..	39,857
Total (b) ..	..	32,785	28,461	15,596	15,717	93,776	524	1,86,859

(h) *Deduct*—Refunds—Voted—
Refunds by forest officers

RS.

Details of Revenue collected outside the circle—

Source of revenue collected outside the circle—	1935-36	1936-37
V. Circle—Sandalwood	1,670	336
Minor Forest Produce (Ivory)	350	13,200
Minor Forest produce	2,301	2,693
Chenat Nair Concern	..	..
Forest Engineer (Saw Mills)	..	..
Baypore Tope	..	..
Total	20,550	20,550

VIII. Forest Receipts.

Budget heads.	Chief Forest Engineer.	Forest Utiliza- tion. Officer.	Forest Engineer.	Total.
ENGINEERING BRANCH.	RS.	RS.	RS.	RS.
<i>VIII. Forest Receipts.</i>				
(a) Timber and other produce removed from the forest by Government Agency—				
Timber	..	394	2,294	2,688
(b) Timber and other produce removed by consumers or purchasers—				
Forest Department				
Other minor produce	..	2,220	..	2,220
Recoveries of investments in Govern- ment Commercial undertakings ..	..	..	2,500	2,500
(c) Miscellaneous—				
Fines and forfeitures	..	201	..	201
Rents of buildings	..	48	..	48
Other sources	6	1,533	61,319	62,858
Grand Total ..	6	4,396	66,113	70,515
(h) Deduct—Refunds—Voted	10	116	61,230	61,356
Net Total ..	4	4,280	4,883	9,157

Summary of expenditure of the different districts for the year 1930-31.

Account heads (major and minor and sub-heads and units of appropriation).	Direction.	Ganjam.	Vizagapatnam.	Godavari, Upper.	Godavari, Lower.	Guntur.	Nellore.	Total.	Parlakimedi Malahs.	Golconda Agency.	Total.	Grand total.
FIRST CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. d. Conservancy and Works.												
I. Forest produce removed by Government agency—Voted—												
Timber	..	7,854	3,751	5,980	668	..	6	18,259	847	2,286	..	21,392
Other produce—	..	..	..	89	14	132	..	235	467	..	..	702
1. Firewood and charcoal ..	..	..	..	..	40	..	8,884	8,924	80	..	..	9,004
2. Minor forest produce ..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	7,854	3,751	6,069	722	132	8,890	27,418	1,394	2,286	..	31,098
II. Timber and other produce removed by consumers, etc.	..	9,099	2,968	6,914	11,661	12,654	5,875	49,171	1,987	550	..	51,748
III. Maintenance, repairs and renewals—												
(a) Feed and upkeep of cattle ..	..	..	..	2,435	755	..	38	3,228	..	..	..	3,228
(b) Renewals or replacements of stores, etc.	..	331	44	869	1,479	1,213	2,841	6,777	178	..	..	6,955
Roads and bridges ..	..	3,018	766	677	1,537	1,895	1,297	9,190	..	..	..	9,190
Buildings ..	..	14,074	1,329	2,680	1,854	881	2,521	23,339	352	206	..	23,897
Rates and taxes ..	..	95	78	..	179	112	10	474	..	..	..	474
Other works ..	..	251	..	139	..	48	75	513	99	..	..	612
Total ..	..	17,769	2,217	6,800	5,804	4,149	6,782	43,521	629	206	..	44,356
IV. Conservancy and regeneration—												
Maintenance of boundaries ..	..	..	..	490	1,014	274	50	1,828	..	440	..	2,268
Forest surveys—	284	..	92	3,526	590	165	67	4,724	68	338	..	5,130
(a) Regeneration ..	..	6,670	416	4,512	2,168	..	300	14,066	592	69	..	14,727
(b) Fire protection ..	..	5,662	150	2	149	394	310	6,667	..	23	..	6,690
(c) Other works ..	..	..	..	..	..	..	..	..	..	..	..	..

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ganjam.	Vizagapatnam.	Godavari, Upper.	Godavari, Lower.	Guntur.	Nellore.	Total.	Parlakimedi Malahs.	Golconda Agency.	Total.	Grand total.
FIRST CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. d. Conservancy and Works—cont.												
V. Miscellaneous—												
Non-voted—												
Rates and Taxes ..	..	..	3	..	162	..	..	165	..	..	..	165
Voted—(Law charges) ..	..	..	..	..	..	2	..	2	..	..	..	2
Drift and waifwood ..	..	8	..	62	14	11	..	95	..	..	..	95
Honoraria—Voted ..	..	..	..	..	16	129	..	145	..	..	..	145
Supplies and service miscellaneous.	..	..	..	2	..	..	..	2	..	..	..	2
Rent of leased forests ..	..	..	525	..	4,455	..	..	4,980	..	..	..	4,980
VI. Suspense—Works Advances ..	..	40	..	..	..	..	..	40	..	..	..	40
Total ..	284	47,102	10,122	28,377	26,765	17,910	22,274	1,52,834	4,670	3,952	..	1,61,456
8. c. Establishments.												
Pay of officers—Non-voted ..	26,771	16,447	1,087	1,411	10,395	900	10,800	66,811	..	..	..	66,811
Pay of officers—Voted ..	..	13,625	8,450	17,646	8,333	7,940	..	55,594	7,850	..	7,850	63,844
Pay of establishments—												
Permanent ..	..	52,868	18,415	42,083	44,359	34,800	28,170	2,29,198	17,170	2,042	19,212	2,48,410
Temporary ..	..	2,454	888	2,997	1,311	..	..	7,650	1,016	1,956	2,972	10,622
Cost of passages granted under the Superior Civil Services.	2,879	..	..	..	..	..	..	2,979	..	..	..	2,979
Allowances—Non-voted—												
Travelling allowances ..	4,004	3,589	..	734	2,150	356	1,939	12,772	..	..	..	12,772
Allowances—Voted—												
Travelling allowances ..	1,436	10,528	4,141	9,230	7,143	4,881	4,386	41,744	4,709	748	5,457	47,201

Summary of expenditure of the different districts for the year 1930-31—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ganjam.	Vizagapatnam.	Godavari, Upper.	Godavari, Lower.	Guntur.	Nellore.	Total.	Parlakimedi Malahs.	Golconda Agency.	Total.	Grand total.
FIRST CIRCLE—<i>cont.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
8. c. Establishments—<i>cont.</i>												
Allowances—Voted—<i>cont.</i>												
Fixed travelling allowances ..	..	2,498	944	2,451	2,756	1,781	782	11,215	692	195	887	12,102
Other compensatory ..	..	1,109	347	826	853	612	471	4,218	244	70	314	4,532
Non-voted rates and taxes ..	1,447	126	918	..	413	502	437	3,843	4	96	100	3,943
Rents ..	819	728	2,046	..	1,658	1,301	880	7,432	588	277	865	8,297
Telephone charges ..	..	..	..	..	150	..	..	150	..	..	..	150
Books and periodicals ..	4	..	..	2	..	2	2	14	2	..	2	16
Miscellaneous ..	2,065	3,595	1,374	2,600	3,070	2,150	1,986	16,840	1,704	299	2,003	18,843
Apparatus and materials ..	35	448	87	240	105	55	65	1,036	50	..	50	1,086
Charges payable to Government, Departments and others ..	..	870	295	..	..	412	..	1,577	3,048	..	3,048	4,825
Grand Total ..	47,062	1,08,887	38,992	80,220	82,698	55,696	49,918	4,63,473	37,077	5,883	42,760	5,06,233
52-A. Capital outlay on Forests.												
Forest surveys ..	..	810	..	..	2,112	..	..	2,922	..	58	..	2,980
Demarcation ..	..	1,021	..	832	3,043	..	205	5,101	..	105	..	5,206
Sowing and planting ..	..	..	..	..	2,111	1,583	1,709	5,403	..	..	..	5,403
Other Works ..	..	..	..	..	..	..	..	..	..	..	..	..
Roads and bridges—												
Works in progress ..	..	797	202	599	4,826	..	100	6,524	..	..	..	6,524
New works ..	..	3,199	1,043	508	..	..	..	4,750	..	..	..	4,750
Buildings—												
Works in progress ..	..	..	451	1,574	1,551	..	..	3,576	..	..	..	3,576
New works ..	..	1,640	35	60	1,726	185	219	3,865	10	23	..	3,898

Summary of expenditure of the different districts for the year 1930-31—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Ganjam.	Vizagapatnam.	Godavari, Upper.	Godavari, Lower.	Guntur.	Nellore.	Total.	Parlakimedi Malahs.	Golconda Agency.	Total.	Grand total.
FIRST CIRCLE—<i>cont.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
52-A. Capital outlay on Forests—<i>cont.</i>												
Other Works—												
Works in progress ..	..	..	212	310	..	..	..	310	..	..	..	310
New works ..	..	..	189	41	24	..	57	293	..	..	..	293
Purchase of stores and tools, etc. ..	..	174	..	..	93	240	..	737	..	..	..	737
Total ..	..	7,641	2,132	3,924	15,486	2,008	2,290	33,181	10	186	..	33,677

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation)	Direction	Ananta- pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total
SECOND CIRCLE.								
8. b. Conservancy and Works.								
I. Forest produce removed by Government agency—Voted—								
Timber	..	..	1,233	5,115	1,476	..	1,503	9,327
Other produce—	..	..	..	..	..	..	..	..
1. Firewood and charcoal	..	30	..	..	77	46	..	153
2. Bamboos	..	..	77	..	..	..	..	77
3. Sandalwood	..	188	..	..	..	..	30	218
Total, I	..	218	1,310	5,115	1,553	46	1,533	9,775
II. Timber and other produce removed from the Forests by Conservators and purchasers.								
.. .. .	..	8,024	6,375	7,308	7,613	9,180	11,957	50,457
III. Maintenance, repairs and renewals—								
(a) Feed and keep of cattle	..	20	..	..	2,134	..	..	2,154
(b) Renewal and replacement of stores, tools and plant.	..	51	109	87	301	269	72	889
Total, II	..	71	109	87	2,435	269	72	3,043
(c) Communications and buildings—								
Roads and bridges	..	374	1,729	880	612	629	1,786	6,010
Buildings	..	1,810	1,233	1,676	1,601	1,508	1,774	9,602
Rates and taxes—(Non-voted)	..	107	18	242	234	102	153	856
Other works	..	4	20	44	14	21	9	112
Total, III	..	2,295	3,000	2,842	2,461	2,260	3,722	16,580

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation)	Direction	Ananta- pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total
SECOND CIRCLE—cont.								
8. a. Conservancy and Works—cont.								
IV. Conservancy and regeneration—								
1. Maintenance of boundaries	..	30	177	84	179	29	20	519
2. Forest Surveys	..	..	600	..	..	..	..	600
3. Regeneration	..	170	97	146	747	949	38	2,147
4. Fire protection	..	199	828	467	1,510	247	757	4,008
5. Other works	..	38	73	..	52	77	163	403
Total, IV	..	437	1,775	697	2,488	1,302	978	7,577
V. Miscellaneous—								
Honoraria—Voted	..	370	95	..	..	..	15	480
Non-Voted—Rates and taxes	..	..	..	..	..	..	6	6
Law charges	..	..	..	..	..	..	1	1
Drift and waifwood and confiscated produce ..	..	15	4	60	75	1	7	162
Supplies and Services—(Voted) Miscellaneous.	..	130	158	..	8	10	..	306
Total, V	..	515	257	60	83	11	29	955
VI. Suspense—Works Advances—								
Voted	..	..	..	..	—62	..	..	—62
Total	..	11,560	12,826	16,109	16,571	13,068	18,291	86,425
Non-voted								
Voted	..	107	18	242	234	102	159	862
Total	..	11,453	12,808	15,867	16,337	12,966	18,182	87,563
Total	..	11,560	12,826	16,109	16,571	13,068	18,291	86,425

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Amenta- pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total
SECOND CIRCLE—cont.								
8. c. Establishments.								
Pay of officers—Non-voted ..	42,325	8,164		13,449	16,719	8,105	8,242	97,004
Pay excluding passage pay ..		5,585	8,812		4,302	425	2,067	21,191
Pay of officers—Voted ..								
Pay of establishments—Voted—								
1. Permanent ..	9,628	32,928	29,814	38,648	44,084	32,732	40,073	2,27,907
2. Temporary ..		275	861	634	1,538	708	288	4,994
Total of Pay of establishment ..	9,628	33,203	30,665	39,282	45,622	33,440	40,361	2,32,201
Allowances—Non-voted—								
Travelling allowance ..	1,885	1,885		2,480	2,704	1,738	1,101	11,793
Allowances—Voted—								
1. Travelling allowance ..	1,231	4,407	6,709	5,766	6,309	3,755	4,070	32,247
2. Fixed travelling allowance ..		1,125	1,700	2,090	2,132	1,420	1,738	10,205
3. Other compensatory ..		779	900	518	1,222	750	1,031	5,200
Total of allowances—Voted ..	1,231	6,311	9,309	8,374	9,663	5,925	6,839	47,652
Contingencies—Non-voted—								
Rates and taxes ..	796	293	28	90	48	319	86	1,559
Non-contract contingencies—Voted—								
1. Rents ..	1,738	1,894	420	516	1,116	596	1,131	7,511
2. Books and periodicals ..	27	2	2	2	8	2		43
3. Miscellaneous ..	3,175	2,341	2,785	2,498	2,243	2,333	2,099	17,475
Total ..	5,736	4,530	3,236	3,206	3,415	3,150	3,315	26,598
Charges payable to Government, departments and others.	1,647	151					327	2,125

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Amenta- pur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Cuddapah, North.	Cuddapah, South.	Total
SECOND CIRCLE—cont.								
8. c. Establishments—cont.								
Supplies and Services—General—								
Apparatus and materials ..		48	628	176	153	125	173	1,303
Total ..	62,452	59,877	52,650	66,967	82,578	52,908	62,808	4,40,240
Non-voted ..	45,006	10,342	28	16,019	19,471	10,062	9,811	1,10,739
Voted ..	17,446	49,535	52,622	50,948	63,107	42,846	52,997	3,29,501
52-A. b. Conservancy and Works.								
Communications and buildings—								
Roads and bridges—								
Works in progress ..					7,078	1,344	714	7,078
New works ..								2,058
Buildings—								
Works in progress ..		2,206	1,469	1,447	117	3,178	1,449	5,241
New works ..			547			445	271	5,443
Other works—								
Works in progress ..			541		55			445
New works ..								598
Total ..		2,206	2,557	1,447	7,250	4,967	2,434	20,861
(e) Live-stock, stores, tools and plant—								
Purchase of stores, tools and plant ..		48		53			17	118
Total ..		2,254	2,557	1,500	7,250	4,967	2,451	20,979

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation)	Direction.	Research.	Working Plans Division.				Total.
			Mount. Stuart.	Mangalore.	Ganjam.	North Colimbatores.	Wynad.
III (WORKING PLANS) CIRCLE.	RS.	RS.					RS.
8. b. Conservancy and Works.	47	..	..	..	..	..	47
Forest produce removed by Government Agency— Voted— Timber	..	172	..	..	..	..	172
III. Maintenance, repairs and renewals— Renewals, replacements of stores and tools and plant.	..	..	..	..	..	..	..
Communications and buildings— Buildings	..	412	..	..	..	..	412
Total	47	584	..	..	..	..	631
IV. Conservancy and Regeneration— (c) Regeneration	..	129	..	..	..	..	129
Voted	..	713	..	..	..	..	713
Total	..	713	..	..	..	..	713
8. c. Establishments.							
Pay of officers—Non-voted— 1. Pay excluding passage pay	..	16,182	..	..	..	..	16,182
Pay of establishments—Voted— 1. Permanent	..	6,609	..	..	..	..	6,609

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation)	Direction.	Research.	Mount. Stuart.	Mangalore.	Ganjam.	North Colimbatores.	Wynad.	Total.
III (WORKING PLANS) CIRCLE—cont.	RS.	RS.	RS.					RS.
8. c. Establishments—cont.								
Allowances—Non-Voted— Travelling allowance	..	3,511	..	..	..	..	..	3,511
Allowances—Voted— 1. Travelling allowance	..	2,530	..	..	..	..	..	2,530
2. Fixed Travelling allowance	..	263	..	..	..	..	..	263
3. Other compensatory	..	694	..	..	..	..	..	694
Total	..	6,998	..	..	..	..	..	6,998
Contingencies—Non-voted— Rates and Taxes	..	92	..	..	..	..	..	92
Contingencies—Voted— 1. Rents	..	79	..	..	..	..	..	79
2. Books and periodicals	..	74	..	..	..	..	..	74
3. Miscellaneous	..	888	..	..	..	..	..	888
Total	..	1,133	..	..	..	..	..	1,133
Supplies and Services—General— 1. Apparatus and materials	..	60	..	..	..	..	..	60
2. Miscellaneous	..	6,588	..	..	..	..	..	6,588
Total	..	6,648	..	..	..	..	..	6,648
Grand Total	..	37,570	..	..	..	..	..	37,570
52-A. Capital Outlay on Forests.								
(c) Live-stock, stores and tools and plant—Voted— Purchase of stores and tools and plant	466	..	2	..	..	..	..	468

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Research.	Working Plans Division.					Total.
			Mount Stuart.	Mangalore.	Ganjam.	North Colmbatore.	Wynad.	
III (WORKING PLANS) CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
52-A. Capital Outlay on Forests—cont.								
(b) Organization, improvement and extension of forests—Voted—								
Working plans	5,728	..	2,325	1,530	440	2,829	2,075	14,927
Grand Total ..	6,194	..	2,327	1,530	440	2,829	2,075	15,395
REGENERATION.								
52-A. f. Establishments.								
Pay of officers—Non-voted—								
Pay excluding passage pay	25,830	..	8,899	9,696	9,027	9,164	8,989	71,575
Pay of officers—Voted—	14,988	..	..	8,911	..	..	..	23,899
Pay of establishments—Voted—	9,269	9	7,907	7,592	5,117	7,761	2,745	40,400
1. Permanent	3,289	..	6,281	385	123	1,446	201	11,725
2. Temporary								
Total ..	27,546	9	14,188	16,888	5,240	9,207	2,946	76,024
Allowances—Non-voted—								
1. Travelling allowance	4,842	..	1,384	2,847	2,202	3,384	2,850	17,509
Allowances—Voted—	6,601	..	2,627	6,679	1,959	4,560	1,679	24,005
1. Travelling allowance	959	..	3,033	528	42	1,173	395	6,228
2. Fixed travelling allowance	1,264	1	2,620	165	236	182	99	4,567
3. Other compensatory								
Total ..	13,556	1	9,664	10,317	4,439	9,299	5,023	52,309

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation)	Direction.	Research.	Working Plans Division.					Total.
			Mount Stuart.	Mangalore.	Ganjam.	North Colmbatore.	Wynad.	
III (WORKING PLANS) CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
REGENERATION—cont.								
52. A. f. Establishments—cont.								
Contingencies—Voted—								
1. Rents	386	..	..	51	..	..	..	437
2. Books and Periodicals	40	..	320	438	357	600	197	40
3. Miscellaneous	2,673	..	..	..	..	..	..	4,580
Total ..	3,099	..	320	484	357	600	197	5,067
Supplies and Services—General—								
1. Apparatus and materials	502	..	..	..	4	..	..	502
2. Miscellaneous	1,165	..	..	..	..	..	..	1,169
Total ..	1,667	..	..	..	4	..	..	1,671
Grand Total ..	71,678	10	33,071	37,386	19,063	28,274	17,155	2,06,636
Add 52-A. Working Plans and Stores ..	6,194	..	2,327	1,530	440	2,829	2,075	15,395
Total ..	77,872	10	35,398	38,915	19,503	31,103	19,230	2,22,031

Summary of expenditure of the different districts for the year 1930-31—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
FOURTH CIRCLE.							
8. b. Conservancy, Maintenance and Regeneration.							
Forest produce removed by Government Agency—							
Voted—							
Timber		824	19	576	..	..	1,419
Other produce—							
1. Sandalwood		241	17,453	17,523	2,209	3,319	40,814
2. Grass and other minor produce		..	59	..	16	..	75
Total		1,065	17,531	18,168	2,225	3,319	42,308
II. Timber and other produce removed from the forests by consumers and purchasers							
III. Maintenance, repairs and renewals—							
Feed and keep of cattle		30	8	..	..	..	38
Renewals or replacement of stores and tools and plant		85	115	58	154	123	562
Total		115	123	58	154	120	570
IV. Communications and buildings—							
Roads and bridges							
Buildings		3,414	5,113	3,852	1,990	2,114	16,483
Rates and taxes—Non-voted		2,516	4,381	1,600	2,381	1,641	13,019
Other works		584	368	45	80	41	785
Total		6,765	9,922	5,507	4,370	3,890	31,064
V. Conservancy and regeneration—							
1. Maintenance of boundaries		102	137	130	913	..	1,262
2. Regeneration		2,553	1,753	984	1,285	764	6,819
3. Fire protection		499	1,885	673	1,462	1,177	5,696
4. Other works		21	26	..	30	..	77
Total		3,175	3,311	1,787	3,690	1,941	13,904

Summary of expenditure of the different districts for the year 1930-31—*cont.*

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
FOURTH CIRCLE—<i>cont.</i>							
8. b. Conservancy, maintenance and regeneration.							
V. Miscellaneous—							
Rates and taxes—Non-voted		..	3	..	..	..	3
Law charges		19	1	1	..	5	26
Drift and waifwood and confiscated forest produce		..	9	3	..	23	35
Rent of leased forests and payments to shareholders in forests managed by Government.		..	..	46	..	..	46
Honoraria—Voted		20	20	..	92	57	189
Supplies and Services—General—Miscellaneous		..	..	2,941	22	80	3,043
Total		39	33	2,991	114	165	3,342
VI. Suspense—Works Advance—Voted							
Non-voted		..	75	..	..	..	75
Voted		251	371	45	80	41	788
Grand Total		21,794	43,925	34,762	23,259	16,080	1,39,820
8. c. Establishments.							
Pay of Officers—Non-voted		22,045	44,296	34,807	23,339	16,121	1,40,608
Total		14,382	24,593	10,400	1,913	..	77,188
Pay of Officers—Voted		..	11,451	3,052	6,949	12,998	34,450
Pay of Establishments—Voted—							
1. Permanent		40,049	57,386	40,394	43,355	31,970	2,23,779
2. Temporary		788	2,316	3,157	1,084	1,466	8,811
Total		40,837	71,153	46,603	51,388	48,434	2,67,040

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
FOURTH CIRCLE—cont.							
8. c. Establishments—cont.							
Allowances—Non-voted—							
Travelling allowance	2,617	1,777	4,590	2,198	322	..	11,504
Cost of passage	..	..	..	1,260	..	..	1,260
Allowances—Voted—							
1. Travelling allowance	859	3,856	5,748	6,616	4,509	5,973	27,561
2. Fixed travelling allowance	..	1,863	3,206	2,130	1,771	1,673	10,643
3. Other Compensatory	..	511	628	1,002	714	611	3,466
Total	859	6,230	9,582	9,748	6,994	8,257	41,670
Contingencies—Non-voted—							
Rates and taxes	..	20	469	..	8	15	512
Contingencies—Voted—							
1. Rents	2,880	284	2,292	624	537	170	6,787
2. Books and periodicals	..	..	2	2	..	..	4
3. Miscellaneous	1,192	2,047	3,739	2,804	2,506	2,625	14,913
Total	4,072	2,351	6,502	3,430	3,051	2,810	22,216
Charges payable to Government, departments and others.							
Supplies and Services—General—							
Apparatus and Materials	28	66	1	88	99	228	490
Total	45,975	65,643	1,16,674	74,010	64,413	58,024	4,24,739
Non-voted	28,416	16,179	29,762	13,858	2,243	15	90,464
Voted	17,559	49,464	86,922	60,152	62,170	58,009	3,34,275

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Chittoor.	Vellore.	North Salem.	Central Salem.	South Salem.	Total.
FOURTH CIRCLE—cont.							
8. c. ii.—Research.							
Charges payable to Government, departments, and others							
Total	..	..	..	14,646	..	..	14,646
Grand Total	..	..	..	14,646	..	..	14,646
(a) Forest surveys	..	..	..	..	..	..	..
(b) Organization, improvement and extension of forests—							
Demarcation	..	..	..	124	253	1,721	2,098
Sowing and planting	..	..	..	..	..	..	..
Other works	..	12	162	..	..	..	174
Total	..	12	162	124	253	1,721	2,272
(c) Communications and buildings—							
Roads and bridges—							
Works in progress	..	..	152	..	..	..	152
New works	..	224	2,432	4,143	..	800	8,407
Buildings—							
Works in progress	..	..	574	..	..	26	600
New works	..	94	5,402	2,445	..	1,713	10,024
Other works—							
Works in progress	..	..	812	163	..	..	975
New works	..	294	276	144	..	50	764
Total	..	612	9,648	6,895	1,178	2,589	20,922
(e) Livestock, stores, tools and plant—							
Purchase of stores, tools and plant	..	960	1,061	902	896	699	4,518
Total	..	..	..	..	..	..	..
Grand Total	..	1,684	10,871	7,921	2,887	6,029	29,292

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevely.	Tanjore.	Total.
FIFTH CIRCLE.								
8. b. Conservancy, Maintenance and Regeneration.								
Forest produce removed by Government agency—								
Timber	..	..	146	85,675	398	5,950	..	92,169
Firewood	..	..	351	164	1,017	..	..	1,532
Sandalwood	1,027	14,731	16,994	..	93	346	..	33,191
Grass and other minor produce	..	10,363	2,285	64	..	..	..	2,349
Timber, and other produce removed from the forest by consumers and purchasers.	..	..	10,720	2,929	13,524	6,890	417	44,833
Maintenance, repairs and renewals—								
Feed and up keep of cattle	..	..	10	13,834	..	..	..	13,844
Renewals or replacements of stores, tools and plant.	..	26	87	317	78	294	..	802
Communications and buildings—								
Roads and bridges	..	7,531	7,813	4,670	11,216	4,500	..	36,730
Buildings	..	2,286	2,381	3,166	2,514	3,597	120	14,064
Other works	..	44	66	1,453	78	123	..	1,764
Rates and taxes—Non-voted	..	76	53	50	126	78	..	383
Conservancy and regeneration—								
Maintenance of boundaries	..	..	..	219	..	3	..	222
Regeneration	..	232	150	13,049	364	301	..	14,096
Fire protection	..	713	1,878	1,549	3,556	439	..	8,135
Other works	..	329	1,000	1,782	331	236	82	3,760
Miscellaneous—								
Rates and taxes—Non-voted	..	..	..	..	238	..	..	238
Drift and waifwood and confiscated forest produce.	..	26	..	..	..	..	..	26
Rent of leased forests and payments to shareholders in forests managed by Government.	..	..	..	2,500	..	..	..	2,500
Honoraria—Voted	..	..	48	..	..	..	..	48
Supplies and services—Voted—Miscellaneous.	..	..	497	54	29	359	..	939
Suspense—Works—Advances—Voted	..	..	599	79	..	127	..	393
Total	1,027	36,347	45,078	1,31,396	33,562	22,989	619	2,71,018

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevely.	Tanjore.	Total.
FIFTH CIRCLE—cont.								
8. c. District Establishments.								
Pay of officers—Non-voted	25,936	10,400	9,957	24,076	15,763	7,770	..	93,832
Pay of officers—Voted	1,411	..	3,850	1,791	2,640	..	..	9,692
Pay of establishment—Voted—								
Permanent	10,261	33,919	39,541	34,077	47,292	36,418	1,101	2,02,609
Temporary	23	368	731	1,986	1,054	629	..	4,791
Allowances—Non-voted—								
Travelling allowances	3,748	3,230	3,030	5,669	3,512	1,638	..	20,827
Cost of passages granted under the Superior Civil Services Rules, 1924.	5,314	..	..	..	..	..	..	5,314
Allowances—Voted—								
Travelling allowances	2,215	5,329	6,774	5,700	6,515	4,412	122	31,127
Fixed travelling allowances	..	1,987	1,961	1,601	2,368	835	114	8,856
Other compensatory	1	544	671	601	1,486	160	..	3,463
Contingencies—Non-voted—								
Rates and taxes	335	45	719	365	112	79	..	1,655
Contingencies—Voted—								
Rents	1,193	1,118	1,386	865	764	690	..	6,016
Telephone charges	..	..	..	548	..	..	..	548
Books and periodicals	42	..	2	3	1	..	..	48
Miscellaneous	2,232	2,401	2,179	1,874	2,738	2,190	50	13,664
Charges payable to Government, departments and others.	..	108	923	807	28	100	..	1,966
Supplies and services—Voted—								
Apparatus and materials	..	70	117	468	59	111	..	825
Total	52,711	59,519	71,831	80,491	84,332	54,962	1,387	4,06,233
5 2.A. Capital Outlay on Forests.								
Organisation, improvement and extension of forests—								
Demarcation	..	318	562	..	1,670	..	..	2,550
Sowing and planting	..	..	..	6,221	..	2,640	..	8,861
Protection from fire	..	..	..	1,609	..	..	..	1,609
Other works	..	160	..	386	868	..	..	1,354

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Account heads (major, minor and sub-heads and units of appropriation).	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevely.	Tanjore.	Total.
FIFTH CIRCLE—cont.								
52-A. Capital Outlay on Forests—cont.								
Communications and buildings—								
Roads and bridges—								
Works in progress	..	1,903	..	2,925	334	1,627	..	3,259
New works	..	..	..	6,586	493	..	..	10,609
Buildings—								
Works in progress	..	8,992	1,785	176	1,690	..	..	176
New works	..	..	..	2,688	..	..	..	15,155
Other works—								
Works in progress	..	15	437	..	489	..	..	881
New works	..	..	..	60	..	..	..	..
Livestock, stores, tools and plant—								
Purchase of live-stock	..	291	306	17,452	432	1,555	96	17,452
Purchase of stores, tool and plant	..	..	..	82	..	..	..	2,762
Investments in Government Commercial undertakings.	..	..	..	..	..	..	..	..
Mount Stuart Forests ..	..	..	..	46,449	..	..	..	46,449
Total ..		11,679	3,090	8,434	5,976	5,822	96	18,239
Deduct—Receipts and recoveries on capital accounts.								
Mount Stuart Forests ..	..	..	..	17,580	..	..	..	17,580
Net Total ..		11,679	3,090	26,014	5,976	5,822	96	649

Summary of expenditure of the different districts for the year 1930-31—cont.

8. Forest—Exploitation—V Circle—1930-31.

Account head.	Direction.	Circle total.
	RS.	RS.
Pay of officers—Voted	449	449
Total	449	449

8. d. Losses on Government Commercial undertakings—Voted.

Account head.	South Coimbatore.	Circle total.
	RS.	RS.
8. d. Losses on Government Commercial undertakings—Voted—		
Mount Stuart Forests	3,704	3,704
Total	3,704	3,704

52-A. Forest—Establishments—V Circle—1930-31.

Account head.	South Coimbatore.	Circle total.
	RS.	RS.
Pay of establishments—Voted.		
Permanent	4,066	4,066
Temporary	592	592
Allowances—Voted—		
Travelling allowances	613	613
Fixed travelling allowances.	444	444
Other compensatory	77	77
Contingencies—Voted—		
Telephone charges	409	409
Supplies and services—Voted—		
Apparatus and materials	161	161
Total	6,862	6,862

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor, sub-heads and units of appropriation).	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris.	Palghat.	Nilambur.	Total.
SIXTH CIRCLE.								
8. b. Conservancy, Maintenance and Regeneration.								
I. Forest produce removed by Government Agency—Voted—								
Timber	..	25,771	51,127	1,97,119	9,379	1,13,726	..	3,97,122
Firewood and charcoal	..	..	..	..	18,007	..	..	18,007
Bamboos	..	..	..	..	..	705	..	705
Sandalwood	..	1,000	663	..	2,098	..	..	3,761
Grass and other minor produce	..	1,386	188	2	564	..	..	2,140
Total (I)	..	28,157	51,978	1,97,121	30,048	1,14,431	..	4,21,735
II. Forest produce removed by private agency—Voted								
.. .. .	..	1,300	1,192	2,280	624	5,489	270	11,155
III. Maintenance, repairs and renewals—								
Feed and keep of livestock	..	5,075	11,221	34,436	7,028	6,908	..	64,671
Renewals and replacement of stores and tools and plant	..	632	880	3,077	716	518	..	5,823
Communications and buildings—	..	..	..	..	..	..	..	..
Roads and bridges	..	920	1,156	12,058	2,388	3,238	965	20,725
Buildings	192	1,123	1,066	2,417	3,249	3,046	3,153	14,246
Other works	..	62	23	1,161	35	231	40	1,552
Buildings—Rates and taxes (non-voted)	..	..	139	..	477	86	..	702
Total (III)	195	7,812	14,485	53,119	13,893	14,027	4,158	1,07,719
IV. Conservancy and regeneration—								
Maintenance of boundaries	..	25	103	437	1,145	145	..	1,855
Regeneration	..	2,300	3,377	16,912	4,283	5,679	22,277	54,828
Protection from fire	..	2,108	1,914	1,555	2,919	2,711	3,762	14,969

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor, sub-heads and units of appropriation)	Direction.	Mangalore, North.	Mangalore, South.	Wynaad.	The Nilgiris.	Palghat.	Nilambur.	Total.
SIXTH CIRCLE—cont.								
8. b. Conservancy, Maintenance and Regeneration—cont.								
IV. Conservancy and Regeneration—cont.								
Other works	..	40	628	2	591	283	218	1,762
Total IV	..	4,473	6,022	18,906	8,938	8,818	26,257	73,414
V. Miscellaneous—								
Rates and taxes—Non-voted	..	..	..	56	1,880	51	..	1,987
Drift and waifwood and forest produce	..	7	10	14	..	6	..	37
Grants-in-aid—Nilgiris Game Association	..	..	..	..	4,833	..	..	4,833
Supplies and Services—General—	..	21	44	1,029	2	149	..	1,245
Miscellaneous	..	41	35	..	..	..	..	76
Honoraria (voted)	..	69	89	1,099	6,715	206	..	8,178
Total V	..	..	444	396	..	262	..	214
VI. Suspense—Works Advance								
Grand Total	195	41,811	73,322	2,72,951	60,218	1,43,233	30,686	6,22,415
Non-voted	..	..	139	56	2,357	137	..	2,689
Voted	195	41,811	73,183	2,72,895	57,861	1,43,096	30,685	6,19,726
8. c. Establishments.								
Pay of Officers—Non-voted—								
Pay excluding passage pay	28,122	5,999	7,220	18,932	10,934	6,875	8,228	86,070
Pay of Officers—Voted								
.. .. .	4,968	2,099	5,797	12,010	427	10,141	7,361	42,803
Pay of Establishments—Voted—								
Permanent	14,875	36,660	29,569	52,992	38,957	36,015	21,175	2,30,243
Temporary	144	432	1,443	1,379	1,239	1,136	3,434	9,207
Total	19,987	39,191	36,809	66,391	40,623	47,292	31,970	2,82,253

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor, sub-heads and units of appropriation).	Direction.	Mangalore, North.	Mangalore, South.	Wynad.	The Nilgiris.	Palghat.	Nilambur.	Total.
SIXTH CIRCLE—cont.								
8. a. Establishments—cont.								
Allowances—Non-voted—								
Travelling allowance	3,244	2,228	2,927	4,760	3,019	1,510	1,601	19,289
Other compensatory	..	..	..	(-) 15	..	..	..	(-) 15
Total	3,244	2,228	2,927	4,745	3,019	1,510	1,601	19,274
Allowances—Voted—								
Travelling allowance	4,133	4,151	6,682	11,683	6,230	10,375	2,959	46,213
Fixed travelling allowance	..	2,369	2,243	3,029	1,904	1,904	1,548	13,131
Other compensatory	1,843	380	369	390	5,023	384	476	8,865
Total	5,976	6,900	9,294	15,102	13,291	12,663	4,983	68,209
Contingencies—Non-voted—								
Rates and taxes	153	35	42	..	160	24	..	414
Contingencies—Voted—								
Rents	930	563	811	1,145	843	880	..	5,172
Telephone charges	..	..	..	..	..	..	180	180
Books and periodicals	7	2	2	2	..	2	..	15
Miscellaneous	2,169	1,820	2,563	2,542	1,882	2,060	511	13,547
Total	3,259	2,420	3,418	3,689	2,885	2,966	691	19,326
Charges payable to Governments, departments and others.	..	..	..	..	1,105	..	..	1,105
Supplies and Services—General—								
Apparatus and Materials	79	110	79	3	261	273	10	815
Total	79	110	79	3	1,366	273	10	1,920
Grand Total	60,667	56,848	59,747	1,08,612	72,118	71,579	47,483	4,77,054
Non-voted	31,519	8,262	10,189	23,437	14,113	8,409	9,829	1,05,758
Voted	29,148	48,586	49,558	85,175	58,005	63,170	37,654	3,71,296

Summary of expenditure of the different districts for the year 1930-31—cont.

Account heads (major, minor, sub-heads and units of appropriation).	Direction.	Mangalore, North.	Mangalore, South.	Wynad.	The Nilgiris.	Palghat.	Nilambur.	Total.
SIXTH CIRCLE—cont.								
52. A—b. Organization, improvement and extension of Forests.								
Demarcation	..	..	..	487	..	..	2	489
Cost of Forest Settlement and compensation for land and rights.	..	..	104	..	..	..	..	104
Working plans	..	28	..	..	..	..	196	224
Total 52 A—b	..	28	104	487	..	..	198	817
52. A—c. Communications and Buildings								
Roads and bridges—								
Works in progress	..	..	..	4,548	..	78	..	4,626
New works	..	..	749	735	..	2,451	..	3,935
Buildings—								
Works in progress	..	421	51	913	(-) 216	..	2,355	3,524
New works	..	567	1,967	734	596	409	7,854	12,127
Other works—								
Works in progress	..	144	..	335	..	1,091	768	1,947
New works	..	839	327	175	..	..	..	2,432
Total 52 A—c	..	1,971	3,094	7,440	380	4,029	10,977	27,891

Summary of expenditure of the different districts for the year 1930-31—*cont.*

Account heads (major, minor, sub-heads and units of appropriation)	Direction.	Mangalore, North.	Mangalore, South.	Wynad.	The Nilgiris.	Palghat.	Nilambar.	Total.
SIXTH CIRCLE—<i>cont.</i>								
62. A—<i>a. Livestock, stores, tools and plant.</i>								
Purchase of livestock	..	..	..	3,398	2,249	558	2,824	9,029
Purchase of stores, tools and plant	..	149	292	363	220	981	207	2,212
Total 62 A— <i>e</i>	..	149	292	3,761	2,469	1,539	3,031	11,241
62. A—<i>b. Investments in Government commercial undertakings.</i>								
Nilambar Valley Forests	..	..	..	..	..	..	—52,196	52,196
Grand Total 62 A— <i>b, c and e</i>	..	2,148	3,490	11,688	2,849	5,558	—37,989	—12,246

Summary of expenditure of the different divisions of the Forest Engineering Branch for the year 1930-31.

Budget heads.	Chief Forest Engineer.	Forest Utilization Officer.	Forest Engineer.	Total.
ENGINEERING BRANCH.	RS.	RS.	RS.	RS.
8. b. Conservance, Maintenance and Regeneration.				
I. Forest produce removed by Government Agency—Voted—				
Timber	..	13,876	292	14,168
II. Forest produce removed by consumers and purchasers.	..	127	..	127
III. Maintenance, repairs and renewals—				
Renewals or replacements of stores, tools and plants.	..	26	394	420
Communications and buildings—				
Roads and bridges	..	..	1,188	1,188
Buildings	..	10	21	31
Other works	..	24	..	24
Conservance and regeneration—				
Regeneration	..	1,907	..	1,907
Miscellaneous—Rates and taxes—	..	52	..	52
Non-voted.	..	..	69	69
Supplies and services—Miscellaneous.	..	..	2,065	2,065
Supervise works advances	..	..	..	..
Total	..	16,022	101	16,921
62-A. Capital outlay on forests.				
Communications and buildings—				
Roads and Bridges—				
Works in progress	..	..	15,887	15,887
New works	..	..	1,973	1,973
Buildings—				
New works	..	167	..	167
Livestock, stores, tools and plant—				
Purchase of stores, tools and plant	..	..	499	499
Investments in Government commercial undertakings—				
Nilambar Valley forests	..	..	1,360	1,360
Chenai Nair	..	..	1,87,874	1,87,874
Deduct receipts and recoveries of capital expenditure	..	..	6,405	6,405
8. c. iii. Exploitation.				
Pay of officers—				
Non-voted	..	19,000	12,200	31,200
Voted	19,161	5,480	7,024	31,665
Pay of establishments—Voted—				
Permanent	98	4,057	10,226	14,381
Temporary	2,011	8,954	3,164	14,129

Summary of expenditure of the different divisions of the Forest Engineering Branch for the year 1930-31—*cont.*

Budget heads.	Chief Forest Engineer.	Forest Utilization Officer.	Forest Engineer.	Total.
ENGINEERING BRANCH— <i>cont.</i>	RS.	RS.	RS.	RS.
8. c. iii. <i>Exploitation</i> — <i>cont.</i>				
Allowances—Non-voted—				
Travelling allowance	..	5,992	4,629	10,621
Other compensatory	..	4,200	..	4,200
Cost of passages, etc.	..	..	2,991	2,991
Allowances—Voted—				
Travelling allowance	4,536	5,199	5,898	15,633
Fixed travelling allowance	..	38	529	567
Other compensatory	43	867	299	1,229
Contingencies—Non-voted—				
Rates and taxes	..	65	..	65
Contingencies—Voted—				
Rents	698	1,559	1,337	3,594
Telephone charges	26	85	..	111
Books and periodicals	51	..	..	51
Miscellaneous	111	1,323	1,432	2,866
Supplies and services—Voted—				
Apparatus and materials	..	40	36	76
Miscellaneous	..	..	15	15
Total ..	26,735	56,879	49,780	1,33,394

ANNUAL FORM NO. 39.

Summary of Revenue and Expenditure for 1930-31.

ANNUAL

Summary of Revenue and

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
VIII. FOREST—RECEIPTS.						
(a) Timber and other produce removed from the forests by Government Agency—	RS.	RS.	RS.	RS.	RS.	RS.
Sandalwood	..	..	..	1,74,529	2,41,118	21,695
Other produce—						
Timber	39,800	22,170	3	4,615	1,77,942	6,75,068
Firewood and charcoal.	4,078	1,941	..	1,393	846	30,624
Bamboos	52	147	..	5	(a) + 20	582
Other minor produce ..	7,126	..	..	119	853	4,423
					(a) + 354	
Total ..	51,056	24,258	3	6,132	1,79,641	7,10,697
Total (a) ..	51,056	24,258	3	1,80,661	4,20,759	7,32,392
(b) Timber and other produce removed from the forests by consumers or purchasers—						
Forest Department—						
Timber	21,723	24,703	..	1,789	6,463	650
Firewood and charcoal ..	2,16,479	1,71,383	..	72,452	2,26,722	78,926
	(z) + 9	..	..	..	..	..
Bamboos	1,39,242	68,230	..	1,13,827	36,453	18,179
Grazing and fodder grass	1,06,837	1,50,255	..	1,84,116	1,20,971	29,500
Other minor produce ..	60,861	40,167	..	56,951	64,576	19,747
					(a) — 356	
Total, Forest Department ..	5,45,142	4,54,738	..	4,29,134	4,55,185	1,47,002
Revenue Department—						
Timber	23,221	21,661	..	65,811	18,830	21,095
	(a) + 4	..	..	..	..	..
Firewood and charcoal.	16,788	9,929	..	43,450	32,571	11,555
	(a) + 7	..	..	..	..	..
Bamboos	135	..	..	3	31	38
Other minor produce ..	51,882	1,95,254	..	76,719	39,282	7,169
		(a) + 10	..	(a) — 10	..	..
Total, Revenue Department ..	92,026	2,26,844	..	1,85,983	..	39,857
(c) Drift and waif wood and confiscated forest produce.	5,510	2,380	..	708	891	1,250
(d) Profits from Government commercial undertakings—						
Nilambur Valley Forests.	..	..	..	..	..	1,21,189
Mount Stuart	..	..	..	..	38,464	..
(e) Recoveries of indirect charges from Government commercial undertakings—						
Russellkonda Saw Mills.	..	..	..	..	..	..
Mount Stuart Forests ..	..	..	..	..	6,544	..
Nilambur Valley Forests.	..	..	..	..	..	..
Chenat Nair	..	..	..	..	..	..
Total (a) ..	..	..	..	..	6,544	..

(a) Added or deducted with reference to Accountant-General's actuals.

Form No. 39.

Expenditure for 1930-31.

Forest Engineering Branch.	Parlakimedi Maliahs.	Golconda Agency.	Forest College.	Research officer.	Chenchu officer.	Chief Conservator.	Total.	
							1930-31.	1929-30.
(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
RS.	RS.	RS.				RS.	RS.	RS.
..	..	..	..	..	..	..	4,37,342	9,86,618
2,688	3,869	3,559	..	..	..	1,124	9,30,838	10,02,840
..	1,768	..	..	..	..	..	40,650	60,873
..	10	..	..	..	..	..	796	275
..	235	..	..	..	..	..	12,756	22,110
2,686	5,882	3,559	..	..	..	1,124	9,85,040	10,86,098
2,686	5,882	3,559	..	..	..	1,124	14,22,382	20,72,716
..	7,517	610	..	..	..	..	63,455	1,46,389
..	4,925	..	..	..	..	..	7,70,887	7,68,972
..	3,221	..	..	..	..	..	3,79,152	4,40,295
..	1,456	273	..	..	..	..	5,93,407	6,41,629
2,220	19,758	800	..	..	..	..	2,65,080	3,28,014
2,220	36,877	1,683	..	..	..	..	20,71,981	23,20,299
..	..	..	..	..	..	..	1,50,618	2,33,866
..	..	..	..	..	..	..	1,14,293	1,22,639
..	..	..	..	..	..	..	207	1,208
..	..	..	..	..	..	4,893	3,65,413	5,52,566
..	..	..	..	..	..	4,893	6,30,531	9,10,179
..	42	..	..	..	..	..	10,781	12,496
..	..	..	..	..	..	..	1,21,189	1,24,370
..	..	..	..	..	..	..	38,464	..
..	..	..	..	..	..	..	6,544	34,125
..	..	..	..	..	..	..	..	63,939
..	..	..	..	..	..	..	..	26,954
..	..	..	..	..	..	..	6,544	1,15,018

Summary of Revenue and

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
VIII. FOREST—RECEIPTS—						
<i>cont.</i>						
(f) Recoveries of investments in Government commercial undertakings—	RS.	RS.	RS.	RS.	RS.	RS.
Russellkonda Saw Mills ..	..	..	..	..	..	..
Chenat Nair Exploitation Scheme including Olavakkot Saw Mill.	..	..	..	..	..	..
Nilambur ..	..	..	..	..	..	..
Mount Stuart ..	..	..	..	..	68	..
Total (f) ..	..	..	..	..	..	..
(g) Miscellaneous—						
Fines and forfeitures ..	4,992	5,656	1	3,864	2,204	1,471
Forest College ..	5,920	9,315	867	8,092	6,384	12,162
Rents of buildings ..	(a) + 477	..	(a) — 5	..	..	..
Other sources ..	41,485	5,6870	447	75,184	61,356	50,697
	(a) — 476	..	(a) — 15	..	..	..
Total (g) ..	52,397	71,811	1,315	87,140	69,944	64,330
Total ..	7,46,131	7,80,061	1,318	8,83,626	10,82,569	11,06,020
Deduct — Refunds — Voted—Refunds by forest officers.	5,409	1,090	9	8,733	5,187	3,161
	(b) + 621	(b) + 332	..	(b) + 595	(b) + 2,204	..
Grand Total ..	7,40,100	7,78,639	1,309	8,74,298	10,75,178	11,02,859
	(a) + 11	(a) + 10	(a) — 21	(a) — 10	..	(a) + 1
Loss or gain by exchange ..	..	..	..	..	..	..
	7,89,992	7,78,649	1,288	8,74,288	10,75,178	11,02,860
EXPENDITURE.						
8. (b) Conservancy, Maintenance and Regeneration.						
I. Forest produce removed by Government agency—						
Voted—						
Timber ..	18,259	9,327	47	1,419	92,169	3,97,122
	..	(a) + 15	..	..	..	..
Firewood and charcoal.	235	153	..	..	1,532	18,007
Bamboos ..	..	77	..	..	..	706
Sandalwood ..	..	218	..	40,814	33,191	3,761
Grass and other minor produce.	8,924	..	..	75	2,349	2,140
Total I ..	27,418	9,775	47	42,308	1,29,241	4,21,786

(a) Added or deducted with reference to the Accountant-General's actuals.

(b) Added as the Conservators have not included the Accountant-General's adjustments in

Expenditure for 1930-31—cont.

Forest Engineering Branch.	Parlakimedi Maliahs.	Golconda Agency.	Forest College.	Research officer.	Chenchu officer.	Chief Conservator.	Total.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)	1930-31.	1929-30.
RS.	RS.	RS.	RS.			RS.	RS.	RS.
..	..	..	..	..	..	..	..	1,21,000
..	..	..	..	..	..	..	..	— 1,21,000
..	..	..	..	..	..	..	..	2,448
..	..	..	..	..	..	..	..	— 2,448
..	..	..	..	..	..	..	..	1,832
..	..	..	..	..	..	..	..	— 1,832
2,500	..	..	..	..	..	..	2,568	..
..	..	..	..	..	..	..	..	1,25,280
..	..	..	..	..	..	..	..	— 1,25,280
201	124	12	..	..	..	..	18,525	19,469
..	..	..	54,689	..	..	..	54,689	46,294
48	175	68	983	..	..	..	44,014	57,022
62,858	1,381	78	..	..	..	171	3,50,527	3,46,066
63,107	1,680	158	55,672	..	..	171	4,67,755	4,68,851
70,515	44,481	5,400	55,672	..	..	— 3,598	47,72,195	61,49,208
61,856	..	1	..	..	..	..	84,946	30,217
..	..	..	..	..	..	..	(b) + 3,752	..
9,159	44,481	5,399	55,672	..	..	— 3,598	46,83,497	61,18,992
..	..	..	..	..	..	..	(a) — 9	— 1,25,280
..	..	..	..	..	..	..	— 94	(a) + 1 + 352
9,159	44,481	5,399	55,672	..	..	— 3,598	46,83,394	61,19,344
..	..	..	..	..	..	..	..	— 1,25,280
..	..	..	..	..	..	..	..	59,93,712 + 352
..	..	..	..	..	..	..	..	59,94,064
14,168	847	2,286	..	..	..	..	5,35,644	5,48,270
..	467	..	..	..	..	..	20,394	18,459
..	..	..	..	..	..	..	783	126
..	..	..	..	..	..	..	77,984	68,108
..	80	..	..	..	..	..	13,568	9,608
14,168	1,394	2,286	..	..	..	..	6,48,873	6,44,571

March Final Accounts correctly in their accounts.

Summary of Revenue and

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
EXPENDITURE—cont.	RS.	RS.	RS.	RS.	RS.	RS.
8. b. Conservancy, Maintenance and Regeneration—cont.						
II. Forest produce removed by private agency—Voted— Timber and other produce.	49,171	50,457	..	49,345	44,833	11,155
III. Maintenance, repairs and renewals—						
(a) Feed and keep of live-stock.	3,228	2,154	..	38	13,844	64,671
(b) Renewals or replacements of stores, tools and plant.	6,777	889	172	532	802	5,828
(c) Communications and buildings—						
Forest college.	..	..	..	..	..	..
Chenchu officer.	..	..	..	..	..	..
Roads and bridges.	9,190	6,010	(a) — 6	16,483	35,730	20,725
Buildings ..	23,339	9,602	412	13,019	14,064	14,246
			(a) — 6			(a) + 19
Non-voted—						
Rates and taxes.	474	857	..	785	383	702
					(a) — 76	
Other works ..	513	112	..	777	1,764	1,552
					(a) — 77	
Total III ..	43,521	19,624	584	31,064	86,587	1,07,719
IV. Conservancy and Regeneration—						
(a) Maintenance of boundaries.	1,828	519	..	1,282	222	1,855
(b) Forest surveys ..	..	600	..	..	..	..
(c) Regeneration ..	4,724	2,147	129	6,849	14,098	54,828
(d) Fire protection ..	14,066	4,008	..	5,696	8,135	14,969
					(a) — 114	
(e) Other works ..	6,667	403	..	77	3,760	1,762
Total IV ..	27,285	7,677	129	13,904	26,213	73,414
V. Miscellaneous—						
Rates and taxes—Non-voted.	165	6	..	3	238	1,987
					(a) + 76	
Law charges ..	2	1	..	26	..	..
Drift waifwood and confiscated produce	95	162	..	35	26	37
Rent of leased and part-owned forests.	4,990	..	..	46	2,500	..
Grants-in-aid—Recurring — Voted.	..	..	..	..	..	4,833
Miscellaneous—						
Supplies and services— Voted.	2	306	..	3,043	939	1,245
Honoraria—Voted ..	145	480	..	189	48	76
Other charges ..	..	..	..	..	..	..
Total V ..	5,399	955	..	3,342	3,751	8,178

(a) Added or deducted with reference to the Accountant-General's actuals.

Expenditure for 1930-31—*cont.*

[illegible]

Summary of Revenue and

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
EXPENDITURE—cont.	RS.	RS.	RS.	RS.	RS.	RS.
8. <i>b. Conservancy, Maintenance and Regeneration—cont.</i>						
VI. Suspense—Works—Advances.	40	— 62	..	25	893	214
Grand Total ..	1,52,834 (a) + 7	88,426 (a) + 16	760 ..	1,40,558 ..	2,71,028 (a) — 190	6,22,416 (a) + 19
Added or deducted with reference to Accountant-General's actuals.	1,52,841	88,441	760	1,40,558	2,70,828	6,22,436
8. <i>c. Establishments.</i>						
Pay of officers—Non-voted ..	66,811	97,004	— 35	77,188	93,832 (a) + 290	86,070
Pay of officers—Voted	55,994	21,191	..	34,450	9,692 (a) + 44 ¹	42,803
Pay of Establishments—Voted—						
Permanent	2,29,198	2,27,907	(a) 40	2,23,779	2,02,609 (a) + 13	2,30,243
Temporary	7,650	4,294	..	8,811	4,791	9,207
Allowances—Non-voted—						
Travelling allowance	12,772	11,793	..	11,504	20,827	19,289
Other Compensatory	..	..	..	..	..	15
Cost, passages, etc.	2,979	..	..	1,260	5,314	..
Allowances—Voted—						
Travelling allowance	41,714	32,247	..	27,561	31,127	46,213
Fixed travelling allowance ..	11,215	10,205	(a) 8	10,643	8,556	13,131
Other compensatory	4,218	5,200	..	3,466	3,463	8,865
Grants-in-aid	..	..	..	..	..	..
Honoraria— Voted	..	..	..	..	..	..
Contract contingencies—Voted ..	..	..	..	..	..	..
Contingencies—Non-voted—						
Rates and taxes	3,843	1,942	..	512	1,655	414
Non-contract contingencies—						
Voted—						
1. Pay of menials	..	..	..	..	..	5,172
2. Rents	7,432	7,511	..	6,787	6,016	..
3. Electric current	..	..	..	..	..	..
4. Telephone charges	150	..	..	..	548	180
5. Books and periodicals	14	43	..	4	48	15
6. Miscellaneous	16,840	17,475 (a)—15	..	14,913	13,664	13,547
Customs duty—Voted	..	..	..	..	..	..
Supplies and services—Voted—						
1. Clothing and equipment	..	..	..	..	..	..
2. Scholarships and stipends ..	..	..	..	..	..	..
3. Apparatus and materials	1,036	1,303	..	490	825	815
4. Books and periodicals	..	..	..	..	..	..
5. Miscellaneous	..	..	..	..	..	..
6. Charges payable to Govern- ments, Departments and others.	1,577	2,125	..	3,372	1,968	1,105
Total ..	4,63,473 (a) + 1	4,40,240 (a)—16	— 35 + 48	4,24,739 (a) — 1	4,05,288 (a) + 308 (a) + 449	4,77,054 ..
52-A. Capital outlay.	4,63,474	4,40,224	7	4,24,738	4,05,985	4,77,054
(b) Conservancy and works.	..	..	..	..	..	..
II. Forest produce removed by private agency.	..	..	..	..	..	..

(a) Added or deducted with reference to the Accountant-General's actuals.

(b) Includes figures relating to general direction and the Golconda agency.

(c) Chief Conservator's office.

Expenditure for 1930-31--*cont.*

[illegible]

Summary of Revenue and

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
EXPENDITURE—cont.	RS.	RS.	RS.	RS.	RS.	RS.
52-A. Capital outlay—cont.						
(b) Conservancy and works—cont.						
IV. Rent of leased and part-owned forest.	..	..	..	..	..	..
V. Live-stock, stores, tools and plant—						
Purchase of cattle ..	..	..	..	..	17,452	9,029
Feed and keep of live-stock.	..	..	..	..	2,762	..
Purchase of stores, tools and plant.	737	118	468	4,518	..	2,212
Total ..	737	118	468	4,518	20,214	11,241
VI. Works—Voted—						
Forest College—						
Works in progress	..	..	..	..	..	..
Roads and bridges—						
Works in progress	6,524	7,078	..	152	3,259	4,628
New works	4,750	2,058	..	8,407	10,609	3,935
Buildings—						
Works in progress	3,576	5,241	..	600	176	3,524
New works	3,865	5,443	..	10,024	15,155	12,127
Other works—						
Works in progress	310	445	..	975	(a) + 200	1,247
New works	269	596	..	764	881	2,432
(a) — 8						
Total ..	19,294	20,861	..	20,922	30,080	27,891
VII. Organization, improvement and extension of forests—						
Demarcation	5,101	..	..	2,098	2,550	489
Cost of forest settlement, etc.	..	..	..	..	..	104
Surveys—Local	2,922	..	..	1,580	..	..
Working plans	..	..	14,927	..	..	224
Sowing and planting	5,403	..	..	..	8,861	..
Protection from fire	..	..	..	..	1,609	..
(a) + 115						
Other works	24	..	..	174	1,364	..
(a) — 115						
Total ..	13,450	..	14,927	3,852	14,384	817
VIII. Miscellaneous—						
Non-contract contingencies—						
Non-voted—						
Rates and taxes	..	..	..	..	..	..
General—Miscellaneous	..	..	..	..	..	..
Total ..	..	..	..	..	..	..
Grand Total ..	33,481	20,979	15,395	29,292	..	..

(a) Added or deducted with reference to the Accountant-General's actuals.

Expenditure for 1930-31—cont.

Forest Engineering Branch.	Parkimedi Maliahs.	Golconda Agency.	Forest College.	Research officer.	Chenohu officer.	Chief Conservator.	Total.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)	1930-31	1929-30.
RS.	RS.	RS.				RS.	RS.	RS.
..	..	..	..	..	..	..	..	2,500
..	..	..	..	..	..	..	26,481	13,228
..	..	..	..	..	..	..	2,762	1,429
499	..	..	..	..	..	6,042	14,594	15,303
499	..	..	..	..	..	6,042	43,837	32,880
..	..	..	..	..	..	..	..	..
15,887	..	..	..	..	..	..	37,526	11,083
1,973	..	..	..	..	..	..	31,732	50,469
..	..	..	..	..	..	..	13,117	22,185
167	10	23	..	..	..	..	46,814	66,929
..	..	..	..	..	..	..	2,977	4,488
..	..	..	..	..	..	..	4,942	4,456
18,027	10	23	..	..	..	..	1,37,108	1,59,610
..	..	105	..	..	..	..	10,343	6,663
..	..	..	..	..	..	..	104	..
..	..	58	..	..	..	..	4,560	11,977
..	..	..	..	..	..	..	15,151	12,040
..	..	..	..	..	..	..	14,264	31,132
..	..	..	..	..	..	..	1,609	8,685
..	..	..	..	..	..	..	1,562	1,133
..	..	163	..	..	..	..	47,593	66,630
..	..	..	..	..	..	..	..	96
..	..	..	..	..	..	..	..	96
..	10	186	..	..	..	..	..	2,59,217
								(a) + 26
								2,59,243

Summary of Revenue and

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
EXPENDITURE—cont.	RS.		RS.		RS.	RS.
<i>52-A. b. Regeneration.</i>						
Pay of officers—						
Non-voted	..	..	71,188	..	..	..
Voted	..	..	(a)+387	..	..	..
Pay of establishments—Voted—			23,899			
Permanent	..	..	40,400	..	4,066	..
Temporary	..	..	11,725	..	592	..
Allowances—Non-voted—						
Travelling allowance	..	..	17,509	..	..	..
Cost of passages, etc.	..	..	..	..	..	..
Allowances—Voted—						
Travelling allowance	..	..	24,035	..	613	..
Other compensatory	..	..	(a)+ 90	..	..	..
Fixed travelling allowance	..	..	4,567	..	77	..
	..	..	6,228	..	444	..
Total	..	..	1,99,521	..	5,792	..
Contract contingencies—Voted	..	..	..	..	..	..
Non-contract contingencies—						
Non-voted—						
Rates and taxes	..	..	..	..	..	..
Non-contract contingencies—						
Voted—						
Rents	..	..	437	..	..	..
Telephone charges	..	..	..	..	409	..
Books and periodicals	..	..	40	..	..	..
Miscellaneous	..	..	4,580	..	..	..
	..	..	(a)— 6	..	..	..
Total	..	..	5,057	..	409	..
Supplies and Services—Voted—						
Apparatus and materials	..	..	502	..	161	..
Miscellaneous	..	..	1,169	..	..	..
Total	..	..	1,671	..	161	..
Grand total	..	..	2,06,249	..	6,362	..
	..	..	(a)+471	..	..	..
<i>52-A. d. Investments in Government commercial undertakings.</i>						
Mount Stuart forests.. .. .	..	..	..	..	46,488	52,195
Nilambur valley forests	..	..	..	..	..	..
Chenat Nair forests	..	..	..	..	..	..
Deduct—Recoveries of invest- ments in Government Com- mercial undertakings.	..	..	..	..	17,580	..

(a) Added or deducted with reference to Accountant-General's actuals.

Expenditure for 1930-31—cont.

[illegible]

Summary of Revenue and

Budget heads.	First Circle.	Second Circle.	Third Circle.	Fourth Circle.	Fifth Circle.	Sixth Circle.
(1)	(2)	(3)	(4)	(5)	(6)	(7)

Ab

VIII. Forest—Receipts	..	..	..	..	..	..
8. Expenditure—						
(a) General direction—	..	..	..	..	..	..
Chief Conservator's						
Office.						
(b) Conservancy and						
works.						
(c) i, iii and iv—District	..	..	..	..	..	..
establishments inclu-						
ding the Engineering						
Utilization Officers						
Division and Forest						
College.						
(c) ii. Forest Research	..	..	..	..	..	..
Officer.						
(c) v. Chenchu Officer ..	..	..	..	..	..	..
(e) Losses in Govern-	..	..	..	..	..	..
ment Commercial						
undertakings.						
Loss by exchange ex-	..	..	..	..	..	..
pense in Eng-						
land.						
20 Interest—Interest on deposits	..	..	..	..	..	..
from depreciation reserve						
of Government commercial						
undertakings.						
52. A. Capital outlay on forests.						
(b) Conservancy and	..	..	..	..	..	..
works.						
(c) ii. Regeneration ..	..	..	..	..	..	..
(d) Investments in Gov-	..	..	..	..	..	..
ernment commercial						
undertakings.						
Total ..	..	..	..	..	..	..
Deduct—Recoveries of investments	..	..	..	..	..	..
on Government commercial						
undertakings.						
Grand total ..	..	..	..	..	..	..

Expenditure for 1930-31—cont.

Forest Engineering Branch.	Parlaki-medi Maliahs.	Gol-gonda Agency.	Forest College.	Research officer.	Chenchu officer.	Chief Conservator	Total.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)	1930-31.	1929-30.
							(15)	(16)

stract.

..	..	..	..	..	..	..	Rs. 46,83,394	Rs. 59,94,064
..	..	..	..	..	..	..	1,12,524	1,38,067
..	..	..	..	..	..	..	13,13,327	12,72,997
..	..	..	..	..	..	..	24,74,745	25,18,629
..	..	..	..	..	..	..	52,281	44,933
..	..	..	..	..	..	..	27,158	26,470
..	..	..	..	..	..	..	3,704	69,946
..	..	..	..	..	..	..	1,844	..
..	..	..	..	..	..	..	1,64,280	1,93,881
..	..	..	..	..	..	..	2,28,730	2,59,243
..	..	..	..	..	..	..	2,13,100	1,85,204
..	..	..	..	..	..	..	— 2,87,877	— 1,67,905
..	..	..	..	..	..	..	..	2,76,542
..	..	..	..	..	..	..	23,985	17,902
..	..	..	..	..	..	..	42,79,831	45,23,563

ANNUAL FORM No. 40.
Forest Department, Madras Presidency.

Outstandings and liabilities on account of contractors and disbursers for the year 1930-31.

Division.	Department debtor.			Department creditor.			Balance due	
	At com- mencement of the year.	Recoveries in cash and value of supplies and work done during the year.	At close of the year.	At com- mencement of the year.	Payments made during the year.	At close of the year.	To depart- ment (out- standings).	By depart- ment (liabi- lities).
<i>First Circle.</i>								
Conservator	..	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	..
Parlakimedi Malisals	..	957 14 3	23,551 1 2	1,268 14 8	975 9 9	976 14 0	18 15 9	..
Vizagapatam	..	33,551 1 2	33,907 1 11	391 10 11	23,550 12 8	24,519 11 4	968 10 2	..
Upper Godavari	..	78,099 7 9	89,404 0 2	310 1 2	78,572 15 0	78,883 0 2	37 1 0	..
Lower Godavari	..	89,404 0 2	78,391 8 0	1,045 10 0	89,446 6 5	90,092 0 5	783 8 5	..
Nellore	..	78,391 8 0	62,806 11 10	2,000 11 1	78,276 11 5	78,477 6 6	688 0 3	..
Guntur	..	62,806 11 10	9,530 13 11	2,457 4 1	50,410 1 3	62,867 5 4	85 14 6	..
Golconda Agency	..	9,530 13 11	1,32,451 12 7	199 8 8	9,345 14 0	9,645 6 8	60 9 6	..
Gadjan	..	1,32,451 12 7	4,99,100 7 7	551 8 3	1,31,818 6 5	1,32,769 14 8	14 8 9	..
Total	..	4,99,100 7 7	4,99,100 7 7	6,826 9 1	4,95,249 4 11	5,02,075 14 0	318 2 1	..
<i>Second Circle.</i>								
Direction II Circle	..	1,376 10 0	60,394 1 11	29 8 1	1,389 6 0	1,418 14 1	42 4 1	..
South Cuddapah	..	60,394 1 11	48,895 0 1	158 3 11	60,284 15 6	60,443 3 5	49 4 6	..
North "	..	48,895 0 1	67,701 9 7	216 11 4	48,954 4 0	49,170 15 4	275 15 3	..
East Kurnool	..	67,701 9 7	62,589 13 10	637 11 2	67,652 7 0	68,290 2 2	588 8 7	..
South "	..	62,589 13 10	76,662 15 2	0 7 4	62,590 9 3	62,590 9 3	0 11 5	..
West "	..	76,662 15 2	45,814 0 8	218 0 0	76,514 15 0	76,732 15 0	69 15 10	..
Anantapur	..	45,814 0 8	3,63,434 3 3	245 0 5	45,766 9 6	46,011 9 11	197 9 3	..
Total	..	3,63,434 3 3	3,63,434 3 3	1,605 10 3	3,63,152 10 11	3,64,658 5 2	1,224 1 11	..

<i>Third Circle.</i>								
Direction	..	31,598 14 9	31,598 14 9	781 13 9	31,737 13 0	32,519 10 9	920 12 0	..
Working Plans—	..	5,903 4 6	5,903 4 6	194 11 6	5,708 9 0	5,903 4 6	118 4 0	..
Lower Godavari	..	4,543 0 0	4,543 0 0	..	4,661 4 0	4,661 4 0	323 11 0	..
Wynad	..	9,129 15 0	6,926 1 0	28 15 0	9,424 11 0	9,453 10 0	110 3 0	..
North Coimbatore	..	6,926 1 0	22,960 13 0	34 3 0	7,002 1 0	7,036 4 0	40 0 10	..
South Mangalore	..	22,960 13 0	13,120 4 3	107 4 4	22,893 9 6	23,000 13 10	185 13 0	..
Mount Stuart	..	13,120 4 3	94,182 4 6	115 1 6	13,190 15 9	13,306 1 3	..	..
Forest research	..	94,182 4 6	4,08,423 6 2	1,262 1 1	94,618 15 3	95,881 0 4	1,698 11 10	..
Total	..	4,08,423 6 2	4,08,423 6 2	1,535 0 0	4,08,316 12 0	4,09,851 12 0	1,428 5 10	..
<i>Fourth Circle.</i>								
Direction	..	866 15 6	866 15 6	50 9 8	657 10 5	708 4 1	41 4 7	..
Salem, South	..	54,111 13 0	67,469 1 6	221 5 10	54,176 4 9	54,397 10 7	285 13 7	..
Do. Central	..	67,469 1 6	87,530 0 10	287 3 1	67,340 9 6	67,627 12 7	158 11 1	..
Do. North	..	87,530 0 10	1,35,444 3 3	377 6 10	87,178 8 4	87,555 15 2	25 14 4	..
Vellore	..	1,35,444 3 3	63,201 4 1	496 6 5	1,35,351 4 0	1,35,847 10 5	403 7 2	..
Chittoor	..	63,201 4 1	4,08,423 6 2	102 0 2	63,612 7 0	63,714 7 2	513 3 1	..
Total	..	4,08,423 6 2	4,08,423 6 2	1,535 0 0	4,08,316 12 0	4,09,851 12 0	1,428 5 10	..
<i>Fifth Circle.</i>								
Direction	..	1,511 7 3	1,511 7 3	51 1 11	1,461 15 0	1,513 0 11	1 9 8	..
Coimbatore, South	..	98,555 14 4	98,555 14 4	474 6 5	1,00,428 3 0	1,00,902 9 5	7,345 11 1	..
Do. North	..	98,555 14 4	87,160 15 0	277 13 6	98,169 14 8	98,447 12 2	176 8 3	..
Kollegal	..	87,160 15 0	62,583 7 9	349 10 1	86,919 3 7	87,268 13 8	107 14 8	..
Tinnevely	..	62,583 7 9	1,06,120 13 4	377 4 5	62,723 7 3	63,100 11 8	517 3 11	..
Madura	..	1,06,120 13 4	136 9 0	513 2 2	1,05,921 13 0	1,06,434 15 2	314 1 10	..
Tanjore	..	136 9 0	4,49,340 6 7	..	136 9 0	136 9 0	..	..
Total	..	4,49,340 6 7	4,49,340 6 7	2,043 6 6	4,55,761 1 6	4,57,804 8 0	8,264 1 5	..
<i>Sixth Circle.</i>								
Direction	..	9,303 12 7	9,303 12 7	79 5 5	10,045 8 0	10,134 13 5	821 0 10	..
North Mangalore	..	72,945 10 2	72,945 10 2	1,117 7 5	72,335 5 9	73,452 13 2	507 3 0	..
South Mangalore	..	1,14,299 1 11	1,14,299 1 11	480 14 3	1,14,177 8 6	1,14,658 6 9	359 4 10	..

Outstandings and liabilities on account of contractors and disbursers for the year 1930-31—cont.

Division.	Department debtor.			Department creditor.			Balance due	
	At com- mencement of the year.	Recoveries in cash and value of supplies and work done during the year.	At close of the year.	At com- mencement of the year.	Payments made during the year.	At close of the year.	To depart- ment (out- standings).	By depart- ment (liabili- ties).
<i>Sixth Circle—cont.</i>								
Palghat	..	2,26,502 11 8	2,26,502 11 8	Rs. A. P. 1,535 6 6	Rs. A. P. 2,25,484 0 5	Rs. A. P. 2,27,019 6 11	Rs. A. P. 516 11 3	..
Kilgiris	..	1,00,371 15 7	1,00,371 15 7	380 14 8	1,00,319 1 0	1,00,729 15 8	358 0 1	..
Wynaad	..	2,43,715 11 4	2,43,715 11 4	1,112 12 6	2,44,242 8 1	2,45,356 4 7	1,639 9 3	..
Total	..	7,67,138 15 3	7,67,138 15 3	4,706 12 9	7,66,633 15 9	7,71,340 12 6	4,201 13 3	..
Forest Engineer ..	..	68,114 15 5	68,114 15 5	7,102 0 0	64,499 5 10	71,501 5 10	3,486 6 5	..
Forest College ..	..	57,960 8 10	57,960 8 10	1,350 10 6	57,823 10 2	59,174 4 8	1,213 11 10	..
Forest Utilization division.	..	25,516 0 3	25,516 0 3	411 0 5	25,016 7 0	25,427 7 5	88 8 10	..
Grand total, Presidency.	..	27,33,211 3 10	27,33,211 3 10	26,743 2 7	27,31,072 3 4	27,57,815 5 11	24,604 2 1	..

ANNUAL FORM No. 41.

Forest Department, Madras Presidency.

Revenue received and outstandings on account of revenue
during the year 1930-31.

ANNUAL FORM No. 41.
Forest Department, Madras Presidency.

Revenue received and outstandings on account of revenue during the year 1930-31.

District.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during the year.	Total.	Amount realized during the year.	Balance due to the department at the end of the year.
<i>First Circle.</i>						
Direction ..	Timber and other produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Ganjam ..	Do.	3,985 0 0	46,231 0 0	46,231 0 0	46,231 0 0	..
Vizagapatam ..	Do.	663 2 0	98,620 13 0	1,02,605 13 0	98,517 0 0	4,088 13 0
Godavari, Upper ..	Do.	1 5 0	55,615 15 10	56,279 1 10	53,595 0 0	2,684 1 0
Do. Lower ..	Do.	9,423 0 8	43,323 0 0	43,324 5 0	40,633 0 0	2,691 5 0
Guntur ..	Do.	29,071 12 5	2,56,260 2 2	2,66,683 2 10	2,57,830 0 0	7,853 2 10
Nellore ..	Do.	57,902 6 0	1,38,438 7 7	1,67,510 4 0	1,57,093 0 0	10,417 4 0
	Do.		86,301 11 10	1,44,204 1 10	86,823 0 0	57,381 1 10
	Total ..	1,01,046 10 1	7,24,791 2 5	8,25,837 12 6	(a) 7,40,722 0 0 (b) — 621 0 0	(c) 86,115 12 6
<i>Second Circle.</i>						
Direction ..	Timber and other produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Anantapur ..	Do.	1,94,334 4 6	1,51,676 8 4	3,46,010 12 10	2,21,501 7 9	1,24,509 5 1
Kurnool, East ..	Do.	6,495 13 0	46,922 0 10	53,417 13 10	53,417 5 10	0 8 0
Do. South ..	Do.	358 0 0	1,33,654 7 2	1,34,012 7 2	1,17,361 13 2	16,630 10 0
Do. West ..	Do.	14,080 12 11	1,57,202 0 0	1,71,282 12 11	20 0 0	26,203 3 0
Cuddapah, North ..	Do.	16,184 0 0	77,826 6 9	93,810 6 9	73,161 9 9	20,658 13 0
Do. South ..	Do.	1,12,648 2 11	61,541 5 9	1,74,189 8 8	1,59,469 5 8	4,637 3 0
	Total ..	3,44,111 1 4	6,28,692 12 10	9,72,803 14 2	(c) 7,80,061 4 1 + 103 0 0 (d) — 1,422 0 0	(e) 1,92,639 10 1

FOREST DEPARTMENT

<i>Fourth Circle.</i>						
Direction ..	Timber and other forest produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Chittoor ..	Do.	4 12 0	2,534 11 10	2,534 11 10	2,534 11 10	..
Vellore ..	Do.	1,024 0 0	90,880 6 3	90,885 2 3	90,885 2 3	2,683 4 0
Salem, North ..	Do.	379 0 0	3,52,517 3 5	3,53,541 3 5	3,50,857 15 5	313 10 0
Do. Central ..	Do.	155 0 0	1,63,159 7 5	1,63,638 7 5	1,53,224 13 5	718 10 5
Do. South ..	Do.	940 9 0	1,71,372 7 5	1,72,127 7 5	1,71,408 13 0	100 0 0
	Do.		1,13,874 3 4	1,14,814 12 4	1,14,714 12 4	
	Total ..	2,503 5 0	8,84,938 7 8	8,87,441 12 8	(a) 8,83,626 4 3 (b) — 9,328 0 0	(b) 3,815 8 5
<i>Fifth Circle.</i>						
Direction ..	Timber and other forest produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Kollegal ..	Do.	4,949 13 0	22 8 0	22 8 0	22 8 0	..
Coimbatore, North ..	Do.	45,447 11 0	2,12,036 7 6	2,16,986 4 6	2,14,539 1 3	2,447 3 3
Do. South ..	Do.	(c) 1,19,289 6 0	2,15,031 9 1	2,60,479 4 1	(a) 2,13,368 8 1 (b) 15,135 10 0	31,975 2 0
Madura ..	Do.	1,03,615 14 10	2,22,593 13 5	3,41,883 3 5	(f) 2,60,966 11 5	80,916 8 0
Tinnevely ..	Do.	2,929 0 0	2,04,732 13 6	3,08,348 12 4	(c) 2,08,886 7 11 (d) 722 1 8	98,740 2 9
Tanjore ..	Do.	..	1,63,720 7 4	1,66,649 7 4	(e) 1,64,274 6 4	2,375 1 0
	Do.		17,086 1 5	17,086 1 5		
	Total ..	2,76,231 12 10	10,35,223 12 3	13,11,455 9 1	(g) 10,96,001 8 1 (h) — 2,244 0 0	(h) 2,16,454 1 0
<i>Sixth Circle.</i>						
Direction ..	Timber and other forest produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Mangalore, North ..	Do.	14,345 14 9	97,715 12 9	1,12,061 11 6	86,899 0 0	25,144 11 6
Do. South ..	Do.	60,784 13 1	1,67,649 11 4	2,18,434 8 5	(a) + 28 0 0	34,894 8 6
Wynad ..	Do.	1,17,280 14 0	3,16,412 5 6	4,33,693 3 6	1,83,540 0 0	59,710 3 6
The Nilgiris ..	Do.	26,145 8 10	93,851 1 1	1,19,996 9 11	3,73,983 0 0	19,691 9 11
Palghat ..	Do.	1,20,226 6 0	2,83,073 8 0	4,03,299 14 0	(b) 2,63,926 0 0 (c) + 4 0 0	1,49,369 14 0

Revenue received and outstandings on account of revenue during the year 1930-31—cont.

District	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during the year.	Total.	Amount realized during the year.	Balance due to the department at the end of the year.
<i>Sixth Circle—cont.</i>						
Nilambur ..	Timber and other forest produce	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.	RS. A. P.
Direction ..	Do.	..	1,26,650 0 0	1,26,650 0 0	1,26,650 0 0	..
	Total ..	3,38,783 8 8	10,76,597 6 8	14,15,380 15 4	(c) 11,26,570 0 0 (e) — 3,161 0 0	(d) 2,88,810 15 4
<i>Add—</i>						
Parlakimedi Maliahs ..	..	..	..	..	44,481 0 0	..
Golconda Agency ..	..	..	..	..	5,399 0 0	..
Working Plan Circle ..	..	..	..	..	1,288 0 0	..
Forest Engineering Branch.	..	..	..	..	9,159 0 0	..
Forest College ..	..	..	..	..	56,672 0 0	..
Chief Conservator ..	..	..	..	..	— 3,598 0 0	..
Loss or gain by exchange.	..	..	..	..	— 94 0 0	..
	Grand Total, Presidency.	10,62,676 5 11	43,50,243 9 10	54,12,919 15 9	47,38,287 0 0 (a) — 16,736 0 0 (b) — 38,171 0 0	7,86,835 15 4

Notes for First Circle. (a) Includes a portion of refunds (Rs. 6,409) but excludes revenue realized in Parlakimedi Maliahs (Rs. 44,481) and Golconda Agency (Rs. 5,399).

(b) Deduct a portion of refunds (Rs. 621) not taken into account.

(c) Out of this, Rs. 20,595 fell due within the year 1930-31.

(d) Written off in Conservator's No. A 1-1031/30, dated 5th June 1930.

Notes for Second Circle. (e) This amount was ordered to be eliminated from Form No. 10 on account of wrong demand, in Conservator's No. A 1-433-30, dated 20th July 1930.

(f) Excludes Rs. 771 being the value of sandalwood realized in Vellore division.

(g) Deduct refunds (Rs. 1,422) not taken into account.

(h) Out of this amount the sum of Rs. 1,65,963-4-0, falls due after 31st March 1931.

Notes for Fourth Circle.

(a) Deduct refunds (Rs. 9,328) not taken into account.

(b) There are no outstandings on account of sales effected by the Forest Utilization Officer.

(c) Includes Rs. 480 relating to Madras Forest College and Rs. 2,024 to the Nilgiris.

(d) Value of produce written off. (e) Amount deleted.

(f) Includes a sum of Rs. 1,763 relating to sandalwood revenue realized in the IV Circle.

(g) Includes Rs. 96,256-12-0 outstanding against Railways and not Rs. 97,721-0-6 as shown as closing balance in the last year's return.

(h) Includes Rs. 1,47,033-11-0 realized by the Forest Utilization Officer.

(i) Includes Rs. 63,948 outstanding, as per Forest Utilization Officer's Return No. 1927-31 B-1, dated 20th April 1931.

(j) Out of this, a sum of Rs. 16,943-8-8 represents overdues, which includes Rs. 10,044-10-9 due from contractor A. Subba Pillai. The collection of this amount is kept in abeyance pending orders on his letter-patent appeal to the High Court.

(k) Includes a portion of refunds (Rs. 6,187).

(l) Deduct a portion of refunds (Rs. 2,204) not taken into account.

Total revenue realized as shown in Form No. 41 RS. A. P.

Deduct— RS. A. P.

Amount written off 15,867 11 8

Sandalwood revenue relating to Tinnevely realized in the IV Circle and 1,763 0 0

excluded in Form No. 39.

Net total .. 10,77,380 12 5

or

Rs. 10,77,381 against Rs. 10,77,382 shown in Form No. 39.

The difference of Rs. 1 is due to rounding off.

(a) Written off.

(b) Includes Rs. 2,301 realized by the Forest Engineer, Saw Mills, Ra. 2693 realized by the Forest Utilization Officer and

(c) Deduct refunds (Rs. 3,161) not taken into account.

(d) Of the total outstandings, Rs. 35,989-10-7 fell due within the year.

Total revenue realized as shown in Form 41 RS.

Deduct— RS.

Revenue collected outside the circle—

Fifth circle—Sandalwood 1,670

Minor forest produce (ivory) 336

Minor forest produce purchasers 350

Chenat Nair concern 13,200

Forest Engineer (Saw mills) 2,301

Beypore tope 2,493

Net total .. 11,06,020

(This is the figure shown in Form No. 39).

(a) Refund not taken into account in the various circles.

(b) Deducted on account of double adjustments in the Fifth and Sixth circles (Rs. 17,621 in the Fifth Circle and Rs. 20,550 in the Sixth).

(c) Added to represent the difference due to rounding off.

ANNUAL FORM No. 42.

Forest Department, Madras Presidency.

Financial results for the year 1930-31.

District.	Timber and other produce removed from the forest by Government Agency.		Other revenue.		Formation, protection and improvements of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
<i>First Circle.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam ..	25,515	16,760	75,060	84,470	74,706	1,00,575	1,75,936
Vizagapatam ..	12,406	8,377	41,329	38,404	8,878	53,735	55,659
Godavari, Upper.	3,060	22,772	37,708	60,143	38,898	40,768	1,21,813
Do. Lower.	2,562	10,038	2,57,961	94,060	30,234	2,60,523	1,34,332
Guntur ..	447	2,282	1,56,678	71,991	7,647	1,57,125	81,920
Nellore ..	7,066	16,278	1,26,339	54,274	9,576	1,33,405	80,128
Total ..	61,056	76,507	6,95,075	4,03,342	1,69,939	7,46,131 (a) — 6,030	6,49,788
Net ..	..	..	..	..	..	..	..
<i>Second Circle.</i>							
Anantapur ..	(a) 1,089	218	2,20,978	62,913	20,022	2,22,067	83,153
Kurnool, East ..	1,345	1,310	52,070	56,103	20,083	53,415	77,496
Do. South ..	13,514	5,115	1,03,498	66,975	21,948	1,17,012	94,038
Do. West ..	3,973	1,553	1,41,066	86,793	31,301	1,45,039	1,19,647
Cuddapah, North	145	46	72,821	59,847	20,511	72,966	80,404
Do. South ..	(b) 4,963	1,533	1,64,280	70,677	22,696	1,69,243	94,906
Total ..	25,029	9,775	7,54,713	4,03,308	1,36,561	7,79,742 (c) — 332	5,49,644
<i>Fourth Circle.</i>							
Chittoor ..	4,415	2,580	86,470	75,634	19,025	90,885	97,239
Vellore ..	80,009	25,521	2,70,851	1,27,230	33,249	3,50,860	1,86,000
Salem, North ..	78,954	35,200	74,270	64,762	(c) 40,407	1,53,224	1,40,369
Do. Central ..	6,148	3,681	1,65,260	79,334	16,442	1,71,408	98,457
Do. South ..	8,600	5,849	1,06,114	64,014	17,558	1,14,714	87,221
Total ..	1,78,126	72,631	7,02,965	4,10,974	1,25,681	(a) 8,81,091 (b) — 9,328	6,09,286
<i>Fifth Circle.</i>							
Kollegal ..	1,40,226	25,301	74,318	56,516	36,496	2,14,544	1,18,313
Coimbatore, North.	99,693	33,624	1,11,530	73,166	25,144	2,11,223	1,31,934
Do. South ..	1,68,429	83,957	92,188	48,956	73,280	2,60,617	2,06,193
Madura ..	1,560	3,033	2,07,331	98,384	33,427	2,08,891	1,34,844
Tinnevely ..	10,464	11,242	1,53,814	64,210	18,577	1,64,278	94,029
Tanjore ..	..	104	17,089	1,780	218	17,089	2,102
Total ..	4,20,342	1,57,261	6,56,270	3,43,012	1,87,142	(a) 10,76,642 (b) — 2,204	(c) 6,87,415

Note for the First Circle—(a) Refunds.

Note for the Second Circle—(a) Includes the sum of Rs. 661 being the value of sandalwood realized in Vellore division. (b) Includes the sum of Rs. 110 being the value of sandalwood realized in Vellore division. (c) Deduct refunds not taken into account by the Conservator.

Note for the Fourth Circle—(a) Excludes Rs. 2,535 sandalwood revenue relating to other circles. (b) Refunds. (c) Includes Rs. 14,646 spent on the investigation of spike disease in sandal by the Indian Institute of Science, Bangalore, under S. cii. Research.

Note for the Fifth Circle—(a) Includes Rs. 1,763 being sandalwood revenue realized in the IV Circle and excludes Rs. 480 relating to the Forest College and Rs. 2,024 relating to the Nilgiris. (b) Deduct Rs. 2,204 being a portion of refunds not taken into account. (c) Includes Rs. 3,704 being loss on Government commercial undertakings.

Financial results for the year 1930-31—cont.

District.	Timber and other produce removed from the forests by Government agency.		Other revenue.		Formation, protection and improvements of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.
<i>Sixth Circle.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Mangalore, North	45,341	58,184	41,628	32,150	15,319	86,969	1,05,653
Do. South.	1,44,861	1,06,589	39,042	22,639	18,293	1,83,903	1,47,521
Wynaad ..	3,45,058	3,45,488	26,701	15,084	60,751	3,71,759	4,21,323
The Nilgiris ..	50,002	95,280	51,286	9,522	35,425	1,01,288	1,40,227
Palghat ..	1,36,941	1,89,716	1,03,841	9,499	30,857	2,40,782	2,30,072
Nilambur ..	(a) 1,23,621	(a) 40,179	..	..	..	1,26,368	71,243
	2,693	21,720	..	..	..	..	..
	54	4,497	..	..	..	..	..
	..	4,847	..	..	..	..	..
Chenai Nair ..	13,200	46,035	..	..	..	13,200	46,035
Forest Engineer ..	2,301	..	..	..	..	2,301	..
Inspector of Live-stock ..	..	7,709	..	..	..	..	7,709
Total ..	8,64,072	9,20,244	2,62,498	88,894	1,60,645	(c) 11,26,570 (d) — 3,161	(d) 11,69,788
Parlakimedi Mali-ahs.	..	..	..	..	..	44,481	41,757
Golconda Agency.	..	..	..	..	..	5,399	9,821
Forest Engineer- ing Branch.	..	..	..	..	..	9,159	— 27,798
Forest College ..	..	..	..	..	..	55,672	79,857
Working Plans Circle.	..	..	..	..	..	1,288	2,22,888
Chief Conservator. Forest Research Officer.	..	..	..	..	..	— 3,598	1,12,524
Chenchu Officer ..	..	..	..	..	..	..	37,635
Expenditure in England.	..	..	..	..	..	..	27,158
Loss gained by ex- change	..	..	..	..	..	..	1,64,280
	..	..	..	..	..	— 94	1,844
Deduct— Refunds (not taken into account).	..	..	..	..	..	47,22,483	43,35,882
	..	..	..	..	..	..	(d) — 82,559
	..	..	..	..	..	21,055	(e) + 23,186
	..	..	..	..	..	47,01,428	(f) + 598
	..	..	..	..	..	(a) — 20,550	(g) — 2,971
	..	..	..	..	..	(b) + 2,504	(h) + 5,423
	..	..	..	..	..	..	(i) + 303
	..	..	..	..	..	..	42,79,861
	..	..	..	..	..	46,83,382	(j) — 30
	..	..	..	..	..	(c) + 12	..
	..	..	..	..	..	46,83,394	42,79,831

Note for the Sixth Circle—(a) Figures represent revenue and expenditure for the whole division. (b) Deduct refunds (Rs. 3,161) not taken into account. (c) Revenue and expenditure of Direction have been apportioned amongst divisions. (d) Refunds due to previous years' recovery of charges taken under Miscellaneous receipts.

General—(a) Deducted on account of double adjustments in the Sixth Circle and the Forest Engineering Branch. (b) Added to represent the revenue relating to the Forest College (Rs. 480) and the Nilgiris (Rs. 2,024). (c) Added to represent the difference due to rounding off. (d) Deducted on account of double adjustments in the Sixth Circle and the Engineering Branch. (e) Represents expenditure booked against the Chief Conservator. (f) Represents expenditure on chenohu works. (g) Deducted on account of double adjustments made in the First Circle and against the Chief Conservator. (h) Represents expenditure on works in the Forest College. (i) Represents expenditure not shown in the Fifth Circle. (j) Deducted to tally with the Accountant-General's actuals.

ANNUAL FORM No. 43.

Forest Department, Madras Presidency.

PART I.

Statement of live-stock (1) elephants and (2) other live-stock during 1930-31.

District.	On hand at the commencement of the year.		Number received during the year.	Number disposed of during the year.	On hand at the end of the year.		Total expenditure on maintenance during the year.
	Number.	Value.			Number.	Value.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(1) ELEPHANTS.		RS.				RS.	RS. A. P.
<i>First Circle.</i>							
Godavari, Upper..	2	6,204	..	..	2	6,204	(a) 2,225 0 0
Do. Lower..	1	2,500	..	..	1	2,500	755 0 0
Total ..	3	8,704	..	..	3	8,704	2,980 0 0
<i>Second Circle.</i>							
Kurnool, West ..	2	4,000	..	..	2	4,000	(b) 2,134 5 0
Total ..	2	4,000	..	..	2	4,000	2,134 5 0
<i>Fourth Circle—Nil.</i>							
<i>Fifth Circle.</i>							
Coimbatore, South.	26	66,500	13	5	34	76,850	37,317 0 0
Total ..	26	66,500	13	5	34	76,850	37,317 0 0
<i>Sixth Circle.</i>							
Mangalore, North.	4	8,200	3	..	7	12,200	5,074 11 6
Do. South.	13	23,950	1	2	12	24,400	10,921 4 9
Wynaad ..	32	66,500	12	7	37	79,900	32,712 0 0
Nilambur ..	27	78,450	3	8	22	70,500	24,082 0 3
Nilgiris ..	9	19,700	5	3	11	22,400	5,649 0 4
Palghat ..	5	13,300	2	3	4	10,000	6,523 0 0
Total ..	90	2,10,100	26	23	93	2,19,400	84,962 0 10
Grand Total, Presidency.	121	2,89,304	39	28	132	3,08,954	1,27,393 5 10
(2) OTHER LIVE-STOCK.							
<i>First Circle.</i>							
Nellore ..	1	40	..	..	1	40	38 0 0
Total ..	1	40	..	..	1	40	38 0 0
<i>Second Circle.</i>							
Anantapur ..	2(c)	75	..	..	2	75	20 0 0
Total ..	2	75	..	..	2	75	20 0 0

(a) Out of this, Rs. 892 is debitable to Revenue department.

(b) Out of this, Rs. 960 represents pay of establishment.

(c) Buffaloes.

Statement of live-stock (1) elephants and (2) other live-stock during 1930-31—cont.

District.	On hand at the commencement of the year.		Number received during the year.	Number disposed of during the year.	On hand at the end of the year.		Total expenditure on maintenance during the year.
	Number.	Value.			Number.	Value.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(2) OTHER LIVE-STOCK—cont. *		RS.				RS.	RS. A. P.
<i>Fourth Circle.</i>							
Chittoor ..	1	15	..	..	1	15	30 1 0
Total ..	1	15	..	..	1	15	30 1 0
<i>Fifth Circle—Nil.</i>							
<i>Sixth Circle.</i>							
Wynaad ..	9	799	..	..	9	799	1,545 0 0
Nilambur ..	24	1,720	4	6	22	1,680	6,059 12 5
Nilgiris ..	4	305	..	..	4	305	1,378 12 8
Palghat ..	4	440	..	4	..	..	384 0 0
Total ..	41(b)	3,264	4(a)	10 (a)	35(c)	2,784	9,367 9 1
Grand Total, Presidency.	45	3,394	4	10	39	2,914	9,455 10 1

(a) Buffaloes.

(b) 32 buffaloes, 4 bulls and 5 asses.

(c) 26 buffaloes, 4 bulls and 5 asses.

PART II.

Statement of elephants gone off the list during the year 1930-31.

District.	Names.	When purchased or otherwise obtained by Government.	Age.	How disposed of.
		<i>First Circle—Nil.</i>	YES.	
		<i>Second Circle—Nil.</i>		
		<i>Fourth Circle—Nil.</i>		
		<i>Fifth Circle.</i>		
South Coimba- tore.	1. Marudu ..	Captured on 14th August 1904 ..	26	Died on 29th April 1930.
	2. Seeta ..	Do 23rd August 1926 ..	24	Do 8th March 1931.
	3. Damayan- thi.	Do 13th October 1929 ..	..	Do 29th December 1930.
	4. Gomathy (calf of Kanthi- mathi).	Born on 27th December 1930 ..	1 month	Do 30th January 1931.
	5. Leela ..	Captured on 16th August 1929 ..	2½	Do 13th April 1930..
		<i>Sixth Circle.</i>		
South Manga- lore.	Sarojini ..	Born to Netrarati 11th Febru- ary 1929.	1	Sold.
	Sridaran ..	Born to Maharani 27th October 1929.	1½	Died.
Wynaad.	Devamaji ..	Captured on 3rd February 1926 in Coorg and purchased.	29	Transferred to North Mangalore.
	Rukmani ..	Captured on 22nd May 1926 ..	22	Do.
	Krishnaveni.	Do 17th January 1930..	2	Sold.
	Sarasvathi ..	Do 18th January 1930..	7	Do.
	Sundari ..	Do 9th April 1930 ..	1½	Do.
	Blind tusker. Calf ..	Do 5th May 1930 .. Do 23rd February 1931.	1 1	Shot dead. Bolted.
Nilambur.	Libera ..	Do 7th March 1909 ..	36	Transferred to Wynaad.
	Kali ..	Do 12th January 1919..	34	Do.
	Krishna ..	Do 30th March 1916 ..	29	Do.
	Chandra- mathi.	Do 22nd February 1927.	48	Do.
	Gajotha- man.	Born to Jhelom on 6th January 1929.	2	Sold.
	Nargish ..	Born to Godavari on 2nd May 1929.	2	Transferred to Wynaad.
	Susheela ..	Captured on 27th December 1929.	5	Presented to Australian Zoo.
Nilgiris ..	Rajkumar ..	Do 10th April 1930 ..	1½	Died.
	Kuttikri- shna.	Do 13th January 1930..	7	Transferred to Wynaad.
	Kumaran ..	Do do ..	1½	Sold.
	Chandra ..	Do 15th March 1930 ..	2	Presented to Australian Zoo.
Palghat ..	Nitthyan ..	Do 26th January 1928..	13	Transferred to Nilambur.
	Dowlat ..	Do 6th January 1931..	1	Sold.
	Farhat ..	Do 5th February 1931.	1	Do.

ANNUAL FORM NO. 44.

Forest Department, Madras Presidency.

Abstract showing the value of stores, tools and plant for 1930-31.

Forest Department, Madras Presidency.

Abstract showing the value of stores, tools and plant for 1930-31.

District.	Stores.					Difference.	
	On hand at the commencement of the year.		Additions or exclusions during the year.		On hand at the end of the year.		Against the year.
	Number.	Value.	Number.	Value.	Number.	Value.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
First Circle.							
Direction	314	Rs. 5,032	3	39	317	Rs. 5,071	Rs. 39
Ganjam	6,689	1,69,721	108	337	4,521	1,58,034	.. 1,687
Vinayapatnam	1,706	8,521	23	2,024	..	..	..
Upper Godavari	4,266	(b) 18,540	(a) 158	579	1,571	8,828	307
Lower Godavari	3,018	35,482	62	272	4,223	18,823	283
Guntur	6,430	15,443	157	291	3,028	36,823	1,341
Nellore	60,876	(c) 74,550	(a) 1,041	382	5,798	15,221	222
	+ 9 miles of tram.		(a) 52	480	38,326	69,895	4,755
			(a) 22,602	5,235	+ 9 miles of tram.		
Total	82,299	3,17,389	814	6,195	57,784	3,12,695	4,694
	+ 9 miles of tram.		(a) 25,329	9,889	+ 9 miles of tram.		
Second Circle.							
Direction	378	6,432	+ 18	+ 145	395	6,567	135
Anantapur	4,883	12,641	— 1	— 10	3,956	11,676	985
			— 927	— 965			

.. .. .	3,648	16,143	+ 345	+ 1,427	3,621	17,103	960	..
.. .. .	2,307	15,825	+ 373	+ 1,457	3,649	16,729	904	..
.. .. .	7,342	25,368	+ 210	+ 1,887	6,397	25,002	..	366
.. .. .	3,905	13,297	+ 966	+ 793	3,915	13,372	75	..
.. .. .	3,505	15,992	+ 89	+ 380	3,459	16,590	598	..
Total	25,988	1,05,698	+ 2,049	+ 5,517	25,392	1,07,039	1,341	..
			— 2,625	— 4,176				
Fourth Circle.								
Direction	225½	* 7,494	(a) 1	26	226½	7,520	26	..
Chittoor	4,008	11,792	(a) 435	2,413	4,017	13,350	1,558	..
			(b) 426	855				
Vellore	8,113	28,104	(a) 473	1,651	8,390	29,013	909	..
			(b) 196	742				
Salem, North	3,993	19,593	(a) 232	2,157	3,988	20,652	1,059	..
			(b) 237	1,098				
Do. Central	3,685	13,413	(a) 267	1,301	3,642	14,091	678	..
			(b) 310	623				
Do. South	4,049½	12,325	(a) 260	3,278	3,969½	14,172	1,847	..
			(b) 330	1,431				
Total	24,074	92,721	+ 1,658	+ 10,826	24,233	98,798	8,077	..
			— 1,499	— 4,749				

* Correct figure.

(a) Represents exclusions.

(b) Revised figures furnished by District Forest Officer, Upper Godavari.

(c) Revised value now furnished by District Forest Officer, Nellore.

Note for First Circle. — Nil.

Note for Second Circle. — Nil.

Note for Fourth Circle. — (a) Additions and revaluations.

(b) Written off, transferred or otherwise disposed of.

