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Government of Madras

DEVELOPMENT DEPARTMENT

G.O. No. 243, 13th February 1925

Forests—Administration report—1923-24—Recorded.

Order—No. 243, Development, dated 13th February 1925.

Recorded.

2. The Chief Conservator's report, in addition to the usual account of the past year's working, gives a summary of the progress in Forest administration during the quinquennium ending with 31st March 1924.

3. In contrast to the quinquennium ending with June 1919, which synchronised roughly with the war period when progress was hampered for lack of funds and still more for lack of men, the quinquennium under review marked definitely a step forward towards the scientific exploitation of the undeveloped forest resources of the Presidency. With the constitution of a special branch of the service to deal with exploitation and engineering problems, a scheme was developed for the utilization of the Chenai Nair evergreen forests which included the erection of a saw-mill at Olavakode and investigation was begun into the possibilities of working the Papanasam forests of Tinnevely and a large area of North Mangalore on new lines. Working-plans were completed and sanctioned for the Nilambur valley forests in Malabar and the valuable sal areas in Ganjam, the latter of which was an urgent necessity in view of the opening of the Russelkonda Saw-mill.

4. The area under control at the beginning and at the end of the quinquennium showed no marked variation but important changes were made in the administrative machinery by the development of the Forest Panchayat system. With the appointment of a special forest panchayat staff it was found possible to transfer an area of a thousand square miles of reserve forests to panchayat management. The Government consider that the new policy of enlisting the co-operation of the very class of person, which traditionally used to regard the Forest department as its enemy, in the management of the smaller reserves has already had a most beneficial effect not

only in reducing the possibilities of friction, but also in educating public opinion to appreciate the necessity of scientific protection. They trust that in the new quinquennium rapid strides will be made towards the evolution of a completed system under which the control of areas in which local interests predominate will be vested in the communities whose real interest it is to protect them while the officers of the department will be set free to concentrate their attention on the development of the valuable major forests of the Presidency, the full possibilities of which yet remain to be explored.

5. The quinquennium under review witnessed important changes in Sylviculture. Perhaps the most interesting experiment was the new system of fire-protection which at half the expense seems likely to double the effectiveness of the operations. The Government observe with satisfaction that the area of forests open to grazing had increased to four-fifths of the total area by the end of the quinquennium and that the number of animals allowed free grazing was trebled.

6. The figures of forest offences show no important variation. The outbreak of organized lawlessness during the non-co-operation campaign, which was specially virulent in Guntūr district resulted in the murder of several forest subordinates. The Mappilla rebellion completely dislocated work in Malabar for a time; but both these events were transient features which are not likely to recur.

7. The financial results of the quinquennium were at first sight disappointing. The handsome surplus of 1919-20 was during 1921-22 converted into a deficit by a sharp drop in revenue and an equally rapid rise of expenditure. The last two years, however, made a better showing: an upward tendency in receipts and a small but steady reduction of expenditure produced results which, if not comparable with the abnormal figures of the war boom period, can at least be considered promising. The Government trust that a more scientific and economic system of exploitation coupled with improved methods of marketing forest produce will, given normal trade conditions, enable the department to make a progressively increasing contribution to revenue in the new quinquennium.

8. Apart from the observations already made the work of the year under review calls for little comment. The Government note with satisfaction that the new system of fire-protection which was in operation on a largely extended area appears to have been accepted with equanimity by the local population and to have caused no trouble. The results obtained at a considerably reduced cost were creditable.

9. The Government attach much importance to the development of new markets for Madras timber both in India and abroad. Since the close of the year arrangements have been made for the opening of a small saw-mill plant at Beypore with a view to the supply of sleepers direct to Indian Railways. The Government see no reason why West Coast timber should not establish its position in markets in which Burma teak at present enjoys a practical monopoly. The attention which the so-called Indian Laurel (*Terminalia tomentosa*) attracted at the British Empire Exhibition will, it may be hoped, stimulate a demand for this class of wood, the sale of which on a small scale in the London market has proved to be remunerative.

10. The Government note with interest the initial success of the experiment in natural regeneration of evergreen forests following on a system of clear-felling but consider that at this stage it would be premature to come to any definite conclusion.

11. The failure of the Russellkonda Saw-mill to earn a profit in the second year of full working was disappointing, but the Government understand that the figures for the current year are more encouraging. The experience gained will be of great value to the department in the working of the mill which is now in the course of erection at Olavakode and of the new plant at Beypore which has recently been sanctioned.

12. The Government observe with satisfaction the progress of forest panchayat system and the success with which many of the panchayats worked. Reorganization of the panchayat staff is under consideration. The future of the 'Forest village system' must still be considered doubtful in view of the varying results in different districts but the Government consider that the experiment is worth continuance and extension to new localities.

13. The financial results of the year were an improvement over those of the previous year but as observed by the Chief Conservator, the fact that the Sixth Circle which contains the largest area of valuable timber was the only circle to show a deficit suggests that there must be some radical defect in the past system of working. The Government trust that the expenditure incurred on new methods of exploitation in this area will be justified by a proportionate expansion of revenue.

14. The Government consider that the new form in which the administration report is cast has enabled the Chief Conservator to

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give a clearer and more concise view of the activities of the department in a year which, as a whole, may be characterized as one of steady progress on new and improved lines.

(By order of the Governor in Council)

G. T. H. BRACKEN,
Secretary to Government.

To the Chief Conservator of Forests.

„ Accountant-General.

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

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

Editors' Table.

Proceedings of the Chief Conservator of Forests

Procs. No. 295, Press, 16th October 1924

Administration Report—Forest Department—1923-24.

H. TIREMAN, Esq.,

Acting Chief Conservator of Forests.

Proceedings—No. 295, Press, dated 16th October 1924.

I have the honour to submit the progress report of Forest Administration in the presidency for the year ending 31st March 1924 with the following review :—

In accordance with the orders of Government my review is submitted separately from the reports of the Conservators. It is illustrated with photographs and is printed in a form which, it is hoped, may prove more attractive to the general public than previous reports which embodied along with the review the reports of each Conservator.

CONSTITUTION OF STATE FORESTS.

ALTERATION IN AREA.

2. About 20 square miles of reserved lands were finally settled under the Forest Act, and 3 square miles were added by the rectification of boundaries and recomputation of areas. About 24 square miles were disforested chiefly to provide lands for the extension of cultivation, in the districts of Anantapur 2 square miles), Guntūr (3 square miles), South Salem (2 square miles), South Kurnool (3 square miles), Chingleput (2 square miles), Chittoor (2 square miles), North Vellore (3 square miles) and North Coimbatore (4 square miles). 107 square miles were excluded (106 square miles in the North Coimbatore division) as a result of re-computation of areas.

The net result was a decrease of 109 square miles in the area of the reserved forests which at the end of the year was 18,956 square miles. The area of reserved lands decreased from 192 to 172 square miles owing to the operation of forest settlement.

FOREST SETTLEMENT.

3. Settlement operations were in progress in respect of 151 square miles, the principal forests concerned being the Mudumalai block in the Nilgiris (75 square miles) and the Paithur block in South Salem division (20 square miles).

DEMARCATION.

4. 94 miles of boundaries were demarcated (chiefly in Lowe Gōdāvari, South Salem, Kollegal and Madura divisions) at cost of Rs. 2,221. The demarcation of 21,599 miles of boundary lines was repaired. 656 miles of boundary lines remained to be demarcated at the close of the year.

SURVEY.

5. A Survey of India party was engaged in defining the disputed portion of the boundary between the Bastar State and the Cherla range in the Upper Gōdāvari division, and another party surveyed 548 square miles of reserves in the North and West Cuddapah divisions on the one inch scale.

Madras Survey parties carried out boundary surveys in Kistna, Salem, Malabar and Trichinopoly districts.

MANAGEMENT.

WORKING PLANS.

6. A working plan to regulate the grazing over an area of 117 square miles in the forests of the Gooty range in the Anantapur division and one for small timber, fuel and bamboos for 85 square miles in the Chandragiri range in the Chittoor division were sanctioned during the year. Working plans for the Sirvel range in the South Kurnool division and for the South and West Vellore divisions were completed and are awaiting sanction. A reconnaissance for the Owk and Gundlakama ranges in the South Kurnool division and one for the forests of the Wynaad were completed. Revised working schemes for the Mangrove forests of the Kandikuppa reserve in the Lower Gōdāvari division and for the bamboo and fuel areas in the Central Salem division were sanctioned. As regards the preparation of simple schemes to meet the demands of the villagers for agricultural implements and small timbers referred to in paragraph 9 of G.O. No. 315, Development, dated 18th February 1924, on the last year's report, I have received the Conservators' reports and am submitting a separate report to Government.

In my review last year I drew attention to the pressing need for working plans for the more important forests. It has not been possible to make much progress in this direction but some exceedingly useful work in the way of mapping and enumeration of the stock was carried out by the Logging Engineer in the Chenat Nair forests. The methods used by this officer are those which have been evolved by the lumber industry on the Pacific Coast of the

United States and are a great advance on any hitherto employed in India. Topographical work and enumeration are done simultaneously. The topographical map is divided into squares of two acres each and the results of the enumeration are depicted on the map in such a way that it can be seen at a glance how much timber exists on each block. The map is prepared on a large enough scale to show rock outcrops and other obstructions, and this renders it possible to lay out a system of roads on the map and to decide how each piece of forest shall be exploited.

ROADS AND COMMUNICATIONS.

7. The chief new work of the year was the Mount Stuart Ghat road, 6 miles and 3 furlongs of which were constructed at a cost of Rs. 68,236. Hitherto the only means of communication between the Mount Stuart forests and the outside world has been a very steep cart-track along which timber can be carted down with difficulty but no loaded cart can go up. The new road which will very shortly be completed will not only cheapen extraction of timber but will very greatly facilitate inspection of the operations in progress in the forest.

A sum of Rs. 6,011 was spent on the collection of metal and on spreading and consolidating it over about 5 miles of the Chedleth-Sultan's Battery road in the Wynaad. The two new roads in the Javadi hills referred to in the last year's report were opened during the year.

The total expenditure on new works amounted to Rs. 1,08,083 and on repairs to Rs. 94,230 as compared with Rs. 1,37,655 and Rs. 95,504 in the previous year, the decrease being due to financial stringency. 176 miles of new roads were made and 1,419 miles were repaired as compared with 204 and 1,242 miles, respectively, in the previous year.

BUILDINGS.

8. The total expenditure on buildings amounted to Rs. 1.45 lakhs against 1.62 lakhs in the previous year. A sum of Rs. 7,231 was spent on the reconstruction of buildings at Nilambur damaged during the Mappilla rebellion, the expenditure on this account during the previous year being Rs. 17,006. Miscellaneous buildings such as inspection bungalows, range offices and subordinates' quarters were constructed in various divisions.

As has been stated on several previous occasions, the department is seriously handicapped by the lack of buildings especially in the more important timber forests where it will be necessary in the near

future to incur considerable expenditure in this direction. Accommodation is also very limited in headquarter stations and the question of providing District Forest Officers with a cheaper type of residence is now engaging attention.

OTHER WORKS.

9. Rupees 11,048 were spent on the construction and repair of wells, the improvement of water-supply in the forests and eradication of rank vegetation. This sum includes Rs. 6,667 spent on improving the water-supply in grazing grounds by the construction of wells and the repair of wells, tanks and springs. Those wishing to do so were permitted to repair water-sources in reserves at their own cost.

Improvements to the Paishwani river in the South Mangalore division over a length of 7 miles were carried out by the Public Works Department at a cost of Rs. 35,378; the work is reported to have facilitated the transport of timber from the Parappa forests to Kasaragod. Improvements were also effected over 6 miles of the Kumaradhari river in the same division and boats carrying fuel can now be taken down this river from a reserve which was previously exploitable only by carts.

LIVESTOCK.

ELEPHANTS.

10. The number of elephants in charge of the department at the beginning of the year was 113 valued at Rs. 3,57,550 including four baggage elephants working in Upper Gōdāvari and West Kurnool divisions. Nineteen elephants were captured, 10 were born in captivity, 15 died and 23 were sold and the stud at the end of the year was 104 valued at Rs. 3,42,350. A sum of Rs. 35,855 was realized by the sale of 23 elephants.

Capturing operations were conducted in the South Coimbatore, the Nilgiris, the Wynaad and Nilambur divisions and resulted in 19 captures (viz., 1 in South Coimbatore, 10 in the Nilgiris, 3 in the Wynaad and 5 in Nilambur) as compared with 32 in the previous year. Two captures died and five were sold for Rs. 7,365. One has died since the close of the year and the remaining eleven valued at Rs. 14,850 are reported to be in good condition. The cost of the operations was Rs. 6,239 as against Rs. 7,222 in the previous year. Kheddah operations in the Mysore forests, the constant blasting incidental to the Mount Stuart Ghat road construction and shortage of fodder due to an unusually short

PLATE No. 1.



TRAINING SCHOOL FOR CAPTURED ELEPHANTS.

monsoon and to the flowering of bamboos account for the fact that only 19 elephants were caught as compared with 32 in the previous year.

Plate No. 1 depicts the training of the young elephants after capture. It is found that circus tricks, such as the one shown, are an excellent medium for teaching obedience to words of command.

CATTLE.

11. 227 buffaloes and bullocks were in stock at the beginning of the year valued at Rs. 18,584. Seventeen died, 21 were sold, 9 were destroyed and 2 were killed by tigers. Thirty-nine animals (17 buffaloes and 22 bulls) were purchased in the South Coimbatore division and 7 bulls were confiscated in forest offences in the South Kurnool division. The stock at the end of the year was 224 animals with a book value of Rs. 19,274.

FOREST CONSERVANCY.

BREACHES OF THE FOREST ACT.

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

Cases.	Injury to forests by fire.		Unauthorised felling.		Unauthorised grazing.		Other offences.		Total.		Average of three years ending 1922-23.
	1923-23.	1923-24.	1922-23.	1923-24.	1922-23.	1923-24.	1922-23.	1923-24.	1922-23.	1923-24.	
Cases taken to court.	31	47	5,132	6,080	1,636	2,161	381	377	7,186	8,665	7,080
Cases compounded.	74	85	16,579	15,628	6,043	4,938	1,015	804	23,711	21,455	19,806
Cases undetected.	1,595	1,051	452	489	19	18	7	28	1,983	1,586	1,734
Total ..	1,610	1,182	22,163	22,197	7,698	7,117	1,403	1,209	32,874	31,706	28,620

The number of offences reported was much the same as during the previous year, and was higher than the average for the preceding three years; I am not prepared to hazard a guess as to the reason for the increase. Of the 30,205 cases disposed of including the pending cases of the previous year, 9,023 were taken to court, 19,719 were compounded and 1,463 were withdrawn, the corresponding figures of the previous year being 30,878, 7,491, 20,790 and 2,597 respectively. Of the 9,023 cases disposed of by Magistrates, 6,448 ended in conviction and 2,575 in acquittal, the percentage of acquittal being nearly 28 per cent against 18 per

cent in the previous year. The increase is chiefly due to the fact that the number of cases compounded after being taken on to the Magistrate's file was larger than in the previous year. The largest number of acquittals occurred, as in the previous year, in the III Circle, and of a total of 1,016, nine hundred and nine cases (or 89 per cent) were acquitted on payment of compounding fees, 29 cases were withdrawn by the District Forest Officers and only 78 cases (or 7.6 per cent) acquitted after actual trial.

Rupees 2,81,310 were realized as compounding fees against Rs. 2,72,080 in the previous year. The average fee per case and person was Rs. 14-4-3 and Rs. 6-4-1 respectively against Rs. 13-5-7 and Rs. 6-3-6 respectively in the previous year.

PROTECTION FROM FIRE.

(Calendar year 1923.)

13. The system of early burning under departmental supervision was continued in Upper Gōdāvari, the three divisions of Kurnool, North Coimbatore, Kollegal, South Mangalore, the Nilgiris and the Wynaad and was extended during the year to the three Cuddapah divisions, Chittoor, North Vellore, North Salem and North Mangalore divisions. The results on the whole were good. With reference to the remarks of Government in paragraph 11 of G.O. No. 315, Development, dated 18th February 1924, Conservators report that generally the people do not seem to care which system is adopted, that in some cases (e.g., South Kanara) the early burning system is preferred and that in very few cases have any objections been raised to it. Regarding Cuddapah, the district specially mentioned by Government as disliking the new system, the Conservator writes as follows :—

“The attitude of the people towards early burning was on the whole that of indifference. They got their grass as usual by free removal in sufficient quantity and had also fresh green grass in the forest for their cattle as a result of these early burning operations.

“In North Cuddapah on two different occasions the ryots asked that early burning operations might be delayed for a month or so; but when it was explained to them why this could not be done they understood and did not press the matter any further.

“In South Cuddapah early burning is said to be popular and not a single petition from the ryots complaining against it was received.

“In West Cuddapah only two complaints were received about scarcity of fodder on account of early burning which were

found to be more imaginary than real. The first relates to a petition received by the Collector for opening the closed pentas in reserves for grazing about the middle of March 1924. When the concession was granted they refused to avail themselves of the concession as the grazing year for which the new permits would be valid was drawing to a close. In the second case the petitioners were found to be selling the grass obtained by the concession of free removal to cartmen.”

The year was a favourable one except in Upper and Lower Gōdāvari where considerable areas were burnt. Early burning was carried out over about 3,855 square miles as against 2,000 square miles in the previous year. The area over which special protection was attempted was 5,811 square miles, of which 320 square miles (5.5 per cent) were burnt, the figures for the previous year being 5,480 square miles, 597 square miles and 10.9 per cent respectively.

The expenditure during the official year 1923-24 was Rs. 59,929. In 1922-23 it was Rs. 78,854 and the average expenditure during the previous five years was Rs. 1,18,417. This very considerable reduction in expenditure has been brought about by the adoption of the system of early burning.

SUPPLY.

TIMBER.

14. The output of timber was 99,520 tons of 50 cubic feet against 104,980 tons in the previous year; 26,260 tons were extracted by departmental agency and 65,540 tons by purchasers as compared with 23,500 and 76,160 tons respectively in the previous year. In last year's review the figures quoted were tons of 40 cubic feet; I have adopted here the more usual unit of a ton of 50 cubic feet. The increased departmental extraction is attributed chiefly to the resumption of fellings in Ganjām which had been stopped in 1922-23 to prevent over-stocking in the Russellkonda depot. The decrease in the quantity removed by purchasers is largely due to the change in the factor of conversion for timber from the unreserved lands in North Mangalore division; the value was taken at 3 annas per cubic foot instead of 1 anna adopted in the previous year.

Apart from timber sent to London to be shown in the British Empire Exhibition, 15,951.64 cubic feet of teak, rosewood, laurel (*Terminalia tomentosa*), *Lagerstromia lanceolata*, *Cedrela Toona*, *Mesua ferrea*, *Pterocarpus Marsupium* and *Calophyllum tomentosum* were sent to Messrs. Howard Bros. & Co. Part of this was to provide a stock of timber to be sold to buyers who might be attracted by the exhibits, and part was in the ordinary course of business. The London timber trade continued very slack and sales during the

year amounted only to 509 cubic feet. Since the business with Messrs. Howard Bros & Co. was inaugurated the total sales to the end of the year were 4,333 cubic feet on which a *net* profit of about Rs. 3 per cubic foot was realized. Although this compares very favourably with the profit obtainable in India (except in the case of teak), the volume of the business at present is almost negligible, and must remain so until the timber trade improves. Messrs. Howard Bros. & Co. were appointed during the year to be sole agents to the Madras Government for the sale of Indian timber in Europe.

FUEL.

15. 23,567 tons of fuel were removed by departmental agency and 319,267 tons by purchasers against 21,033 and 304,533 tons respectively in the previous year. Prices of fuel in the large towns showed a tendency to decrease. The prices in Madura and Tanjore were Rs. 20 and Rs. 16 against Rs. 24 and Rs. 22-8-0 in the previous year.

BAMBOOS.

16. The total value of bamboos removed from the forests by all agencies during the year was Rs. 4.03 lakhs against Rs. 4.08 lakhs in the previous year.

SANDALWOOD.

17. 710 tons of sandalwood were sold for Rs. 7,86,118 (at Satyamangalam 402 tons, at Tirupattur 259 tons and at Vellore 49 tons). The average price realized was Rs. 1,108 per ton against Rs. 1,182 in the previous year.

The quantity sold was very considerably larger than the average of past years, and it is improbable that extraction on such a large scale is justifiable as a permanent measure. I have, however, purposely risked exceeding the possibility for the time being in order to provide the funds which are urgently required at present for the development of the more valuable timber forests. When once these commence to yield a reasonable profit from which further development can be financed, it may be necessary to curtail the exploitation of sandalwood.

GRAZING.

18. 20.7 per cent of the total area of reserved forests in the Presidency was closed to grazing, either throughout the year (16.3 per cent) or for part of the year (4.4 per cent). The areas closed were more or less the same as in the previous year. For grazing in the open area of 16,043 square miles permits were issued for 2,141,770

animals against 2,037,062 animals in the previous year. 93,299 animals were allowed free grazing during the year against 74,177 in the previous year, the increase being due to concessions allowed in Salem, Coimbatore, North Arcot, Bellary, Anantapur, Kurnool and Chittoor divisions on account of the unfavourable season.

The incidence of grazing works out to 4.59 acres per animal as compared with 4.88 acres in the previous year.

19. *Removal of forest produce by right holders and free grantees.*—The estimated value of forest produce removed by free grantees and right holders amounted to Rs. 87,496 against Rs. 62,207 in the previous year, the increase being chiefly due to free grants made in connexion with the floods on the West Coast and the cyclone in the Northern Circars.

SYLVICULTURE.

SECTION I.

(i) *General progress of areas under regeneration.*

20. The most important areas under regeneration are situated in

- (a) The Ghumsur forests in Ganjām.
- (b) The Upper Gōdāvari forests.
- (c) The Mount Stuart deciduous forests in South Coimbatore.
- (d) The Nilambur deciduous forests.
- (e) The Wynaad deciduous forests in the Wynaad and Nilgiri divisions.
- (f) The Nilgiri eucalyptus plantations.
- (g) The deciduous forests of North and South Mangalore.
- (h) The Chenat Nair forests—chiefly evergreen.
- (i) The Papanasam evergreen forests in Tinnevely.

Satisfactory progress was made in the regeneration of these areas. In the Mount Stuart forests the area (251 acres) operated on by the clear-felling method followed by sowing teak was considerably larger than any area treated in previous years; on the other hand it was found necessary to limit the scope of the sowings in North and South Mangalore and in Tinnevely.

(ii) *Establishment of reproduction under working plans or schemes.*

(a) *Mainly natural.*

Chenat Nair.—In paragraph 21 of my last year's review I stated that there was every reason to hope that in the evergreen forests exploited under the method of clear felling a considerable proportion of the existing young crop would survive. Experience in the Chenat Nair forests goes far to justify this hope. In spite

(c) Afforestation.

Very little work of this kind was undertaken. In North Coimbatore experimental work was continued in the direction of extending some small sholas (evergreen forests at high elevation) by sowing suitable species; in the Nilgiris in order to restore the tree growth destroyed by fires on the kundahs seed of various species suitable to the locality was sown, and root-suckers of *Acacia dealbata* were planted.

(iii) *Plantation and other forms of regeneration not under working plans or schemes.*

Upper Gōdāvari.—275 acres were clear felled. The debris of the fellings was collected into heaps and burnt, and the burnt patches were sown with teak seed. This operation appears to give promise of success; the regeneration from teak coppice is especially good considering the comparatively small rainfall.

Nallamalais (South Kurnool division).—Seventy-three acres were clear felled in four different localities, burnt, and sown with teak, *Pterocarpus Marsupium*, *Gmelina arborea* and *Terminalia tomentosa*. Germination was fairly successful, but the growth is slow and artificial regeneration must be extremely expensive owing to the extent to which weeding is required. It would appear to be out of the question to sow or plant in the ordinary way with any prospect of financial success, but stump planting may prove feasible and experiments will now be undertaken to determine the cost of adopting this method which consists in keeping seedlings in a nursery until they are vigorous enough after cutting off most of the stem and root to throw up coppice shoots which will overtop the weeds. In the better portions of the Nallamalais natural regeneration is plentiful and in all probability will suffice to provide a new crop if properly treated. In clearings (such as fire lines) regeneration of *Hardwickia binata* (a very valuable tree) is often profuse, and experiments will now be undertaken with a view to inducing similar regeneration where mature trees exist.

Tinnevely.—Fifty-five acres were planted in the Papanasam forests with teak. The experimental regeneration work in the evergreen forests referred to in paragraph 21 of last year's review was continued; very considerable success has been obtained but as I have already stated there is reason to hope that nature will do all that is required. The work done in Tinnevely however will provide valuable data should it be found necessary to supplement natural by artificial regeneration.

North and South Mangalore.—The existing establishment cannot do much more than carry out the tending required in the somewhat

of the severe exposure following the fellings the quantity of young seedlings in the felled areas is more than sufficient, and nothing beyond careful tending is required to make the new crop considerably more valuable than that which previously stood on the ground. Although the method employed in exploiting the forests is called 'clear felling,' it does not entail the removal of every tree; many of the trees are either unsound or too small to make their removal profitable and in consequence a considerable degree of shade remains which appears to be sufficient for the protection of the young crop during the hot weather following the felling. By the next hot weather the young crop may be considered to be established.

Ghumsur.—In Ganjām, the regeneration of sāl following clear felling and burning is all that can be desired, while that of other species in woods where sāl is not predominant appears to be quite satisfactory. Clear fellings were as usual carried out in the plains sāl timber working circle; the area clear felled has not however been reported.

The Nilgiris eucalyptus plantations.—The usual clear fellings for fuel were made in the Ootacamund and Coonoor ranges. The regeneration of these areas is by coppice; the yield from the coppice which in many cases is in its fourth rotation is said to be diminishing and steps are being taken to replant where coppice shoots fail.

(b) Mainly artificial.

Mount Stuart forests.—251 acres clear felled in the previous year were sown chiefly with teak; where as is often the case after felling and burning the soil proved to be too waterlogged for teak, seed of *Terminalia tomentosa* was sown. The operations in these forests which were commenced on a small scale in 1919 have been most successful and by the end of the year under report 431 acres had been stocked with an established crop chiefly consisting of teak. Recent inspection of the 1922 area disclosed the existence of a dense under-crop of *Adina cordifolia* which had come in naturally; this species is probably far too much of a light-demander to grow under teak but it will serve the useful purpose of assisting in the formation of a mixed crop.

Nilambur.—The usual clear fellings both of mature teak plantations and natural forests were undertaken and 175 acres were planted or sown; the chief species raised was teak, but 3 acres unsuitable for that species were sown with *Lagerstromia Flos-Reginae* and *Terminalia tomentosa*. Some of the plantations suffered severely from the floods of August 1923 and subsequently from a very severe hot season. Plate No. 2 shows a three-year old crop of teak at Nilambur.

PLATE No. 2.



TEAK AT NILAMBUR. A three-year old crop.

extensive crop of hopea which has already been established, and it has been found necessary considerably to reduce the scale on which sowings are undertaken. 535 acres in North Mangalore were prepared for sowing and in the South Mangalore division sowing was carried out over an area of 336 acres. A further area of 32 acres clear felled for timber was sown with deciduous species. The necessity for curtailing the sowing operations is a matter for regret as it has been shown to be easy and inexpensive to establish a young hopea crop under the existing crop of deciduous species, and as hopea yields an exceedingly valuable timber the cost should be amply repaid when the trees come to maturity. The present financial stringency makes it impossible to increase the establishment until exploitation of the more valuable forests of the district has been organized and it becomes possible to obtain considerably more revenue than the district yields at present.

Wynaad (Wynaad and Nilgiri divisions).—In the Wynaad clear fellings were continued and 80 acres were felled in two ranges. Sixty-one acres were dibbled with teak seed, 2 acres with *Terminalia tomentosa* and 3 acres with *Dalbergia latifolia* and *Pterocarpus Marsupium*, while 9 acres were planted with teak stumps; the results have not been reported. In the Mudumalai range of the Nilgiri division an area of 100 acres which had been felled during the previous year was burnt for planting during the rains of 1924.

II. TENDING OF THE GROWING STOCK.

21. Tending operations were carried out in all plantations and regeneration areas where necessary. In the natural sandal forests in the IV Circle the crop was tended by removing overhead shade, climbers, etc. In Cuddapah climbers and trees interfering with the more valuable trees (especially *Pterocarpus santalinus*) were cut out. Thinnings and improvement fellings were undertaken in various forests. One of the most important works undertaken was the tending of the natural regeneration of hopea in the Nalkur reserve in South Mangalore division where a very fine young crop only awaits the admission of light to become an extremely valuable asset. Plate No. 3 shows (somewhat indistinctly) a natural young crop of hopea after tending.

RESEARCH AND EXPERIMENTS.

22. Mr. J. M. Sweet, Deputy Conservator of Forests, was in charge of silvicultural research throughout the year, and continued to study the germination and early growth of the principal ever-green species of the Western Ghats, and of *Terminalia paniculata*, *Xylia xylocarpa*, *Bombax malabaricum*, *Lagerstromia lanceolata* and *Gmelina arborea*. Experiments in raising an underwood of *Artocarpus hirsuta* and *Hopea parviflora* in the Nilambur teak plantations were

PLATE No. 3.



NATURAL REGENERATION OF *Hopea parviflora*.

continued. These experiments have been singularly unfortunate; the Mappilla rebellion interfered with them in 1921-22 and 1922-23, torrential rains followed by a severe drought ruined them in 1922-23, and it is to be feared that the recent unprecedented floods will once more have swamped all the seedlings. Sufficient however has been learnt to show that given normal conditions it is a comparatively easy matter to establish an underwood of hopea or *Artocarpus* under a ten year old teak crop. The report on the work done during the year is being published in a separate bulletin.

DEVELOPMENT.

(i) RUSSELLKONDA SAW MILL.

23. Messrs. Parry & Co. continued to manage the mill during the year as agents for Government and their local agent reports as follows regarding its working :—

“ *Mill working.*—On the 1st April 1923, the mill entered upon its second year of working. During the period under review the plant ran smoothly and well and no breakdown or stoppage of importance occurred. The efficiency of the operatives had improved with the result that the intake increased by 31,000 cubic feet. A pleasing feature was that no accident occurred to any of the men engaged on the various machines during the year.

“ In the early months of the year the work of the mill was seriously interfered with by a shortage of water for the boiler, and the Forest Department commenced the construction of a new well in the compound. This well was still under construction at the close of the year.

“ *Logs.*—During the year the intake of logs to the mill was 158,000 cubic feet and from this quantity 53,000 cubic feet of finished timber was outturned. For the first nine months the percentage of wastage was very high but by December all the old stocks of logs have been disposed of and the more recent fellings were operated upon, the result being that wastage fell from 70·60 per cent for the first nine months to 55·87 per cent for the last quarter of the year.

“ Although the quality of logs cut during the last quarter improved considerably, their girth and, most particularly, their length left much to be desired, the average size of log being under 10 cubic feet. Logs of such small cubic contents caused a considerable loss of time in conversion owing to the fact that so many of them had to be handled to make up a reasonable day's work.

“ *Markets and prices.*—The general timber market remained in a more or less comatose condition throughout the year, but towards the close there appeared to be a slightly increased interest and more

enquiries were coming through from the Calcutta side. Owing to considerable orders for large section beams the mill was able to slightly increase its level of selling prices.

"*Sales.*—In spite of the abovementioned condition of the market the mill was able to more than double its sales as compared with the previous year, the quantity sold being approximately 41,500 cubic feet valued at Rs. 1,42,000.

"*Future prospects.*—The mill may be said to have passed its initial stage during the year and to have settled down to steady work. I feel confident that, given reasonably sound logs and a revival of the timber market, the future outlook is most promising."

The result of the year's operations was a loss of Rs 36,082-4-2 including an interest charge of Rs. 28,179-1-0; the loss during the previous year was Rs. 6,216-0-9 exclusive of interest. As regards the size of logs, it is impossible to obtain large logs in any quantity and there is no getting away from the fact that the Ghumsur forests contain little timber of the size for which the machinery was designed, while much of it is unsound. In spite of this however and of a very depressed market the mill was working at a profit towards the end of the year. The agents have accomplished a good deal in organizing a market for sawn sal and it is satisfactory to note that sales were more than doubled.

The new well has since been sunk and it is hoped that sufficient water will now be available.

(ii) CHENAT NAIR FORESTS.

24. The exploitation of the Chenat Nair forests was continued and 92,182 cubic feet of timber were extracted. The report of the auditors for the year has not yet been received. Great improvements in the working of the logging machinery were introduced by the Chief Forest Engineer and the Logging Engineer with the result that considerable economy was effected while the quantity extracted was increased. The best outturn in any one month in the previous year was 10,093 cubic feet and this was far above the average; the outturn in March 1924 was 16,088 cubic feet. As an incentive to better production Government sanctioned the payment to the subordinates concerned of a bonus of 3 annas for every cubic foot over and above 12,000 cubic feet of timber delivered monthly at Olavakkode.

The work has been seriously hampered by malaria. It was hoped when buildings for the staff were constructed on Sappal ridge that a healthy site had been found, but unfortunately this has not proved to be the case and the staff has suffered very severely.

PLATE No. 5.



O BE 'YARDED,'

PLATE No. 4.



SF WITH CABLE.

PLATE No. 6.



SIXTEEN MEN DRAGGING ONE LOG.

PLATE No. 8.



VIEW IN PAPANASAM FOREST.

In my review of the previous year (paragraph 24) I commented on the fact that as it was necessary in the absence of a saw mill to limit exploitation to the timbers for which a market could be assured, the machinery employed could not work economically. Sanction of the Government and the Legislative Council has now been accorded to the erection of a saw mill and seasoning plant at Olavakkode which, it is hoped, will shortly commence work. There is every prospect that sufficient orders will be forthcoming to keep this mill fully employed and I hope that the Chenat Nair project will before long be converted into a paying proposition.

The following photographs give some idea of the methods employed in the extraction of the timber: Plate No. 4 shows the 'spar tree' over a block near the top of which runs the wire cable by means of which the 'yarding' tractor (unfortunately out of the picture) hauls the logs to the dragpath from the valley on the left of the picture. Plate No. 5 shows the logs lying in the valley in question waiting to be 'yarded' or hauled up to the dragpath. (These logs have been dragged down to the bottom of the valley by manual labour.) Plate No. 6 shows the pole road running along the dragpath with 16 men dragging one log. Plate No. 7 shows the improvement effected over manual labour by the use of a tractor: a small 'cletrac' is dragging three logs along the pole road.

25. The Chief Forest Engineer made preliminary investigations into the possibility of exploiting the Papanasam forest in Tinnevely for timber, paper pulp, fuel and matches, and the forests in the neighbourhood of Someswar in the North Mangalore division for timber. Both these projects give promise of yielding a considerable profit, but they will require much detailed examination before definite proposals can be put forward. Plate No. 8 gives some idea of the country to be exploited in the Papanasam forest.

FOREST PANCHAYATS.

26. The work of the special panchayat staff was confined to the following eleven districts, as in the previous year:—

North Arcot.	Cuddapah.	Trichinopoly.
South Arcot.	Chittoor.	Guntūr.
Chingleput.	Bellary.	Kistna.
Salem.	Coimbatore.	

358 square miles of forests were handed over to panchayats, and the total area under panchayat management at the close of the year was 858 square miles managed by 457 panchayats. The Forest Panchayat Officer reports that in 137 cases the administration was good and in 169 fair. Several of the better panchayats were inspected by Conservators after the close of the year and their

reports were on the whole favourable. In some cases it was found that protection was better than it had been under departmental management, while several panchayats had successfully raised small plantations of trees and had effected improvements by providing water facilities in and removing rank growth from grazing grounds. Some of the most efficient panchayats were found in the Guntūr district; this is in marked contrast to the lawlessness which prevailed there only a few years ago. When it is borne in mind how short a time has elapsed since the panchayat staff was organized, and how many difficulties there are in the way of organizing the administration of forests on communal lines, I venture to think that the progress made augurs well for the future of the system. Towards the close of the year a conference of panchayatdars was held at Saidapet presided over by the Hon'ble Sir Arthur Knapp, K.C.I.E.; it served to bring together those interested in the movement in various parts of the country and to disseminate sound ideas on the value of the minor forests to the rural community and the consequent necessity for protecting and improving them.

It became obvious during the year that the panchayat staff as originally sanctioned had reached the limit of its capacity to organize new panchayats and to supervise the working of those previously formed and proposals for increasing the staff and extending the sphere of its activities are now under the consideration of Government.

The spread of the panchayat movement rendered possible the abolition of two ranges—one in Bellary and the other in Cuddapah.

In Kurnool, Coimbatore, Anantapur, Tinnevely, Madura, Nellore and Ramnad districts 38 panchayats working under the control of the Revenue Department administered an area of 124 square miles.

The forest village system was in force during the year in certain reserves in the South and West Vellore, North and South Coimbatore, Palghat, East and South Salem, and North and South Mangalore divisions. The system on the whole worked satisfactorily, especially in the Tiruvannāmalai range in the South Vellore division. The panchayats in this range held regular meetings and maintained their accounts properly. Some effected improvement to the forests by providing water facilities for cattle and by carrying out sowing operations. Owing to unsatisfactory work it was necessary to dissolve certain panchayats formed under this system in the East Salem and North Mangalore divisions. The fifth annual darbar for the Tiruvannāmalai panchayats was held during the year and refunds of grazing fees were distributed. The meeting was largely attended by the surrounding village panchayatdars and

forest villagers and went a great way to demonstrate the advantages of co-operation in protecting the forests under the forest village system.

FINANCE.

27. The total gross revenue during the year was Rs. 54.87 lakhs as against Rs. 52.73 lakhs in the previous year. The expenditure debited to the Forest Department (including a loss of Rs. 27,459 by exchange transactions in England) was Rs. 46.30 lakhs as against 47.89 lakhs in the previous year. The result was a surplus of 8.57 lakhs as against Rs. 4.84 lakhs in the previous year. There was a surplus in all circles except the Sixth which showed a deficit of Rs. 1.51 lakhs; this was chiefly due to the continued slump in the timber market. The fact that this circle which contains the largest area of valuable timber forests in the presidency should work at a loss is an interesting commentary on the need for forest development in Madras.

The Forest College worked at a loss of Rs. .60 lakh. General direction cost Rs. 1.18 lakhs, the Engineering branch Rs. .62 lakh, and the Forest Panchayat staff Rs. .30 lakh.

GENERAL.

28. In paragraph 27 of my last year's review I stated that 1922-23 had been to a large extent a year of marking time. In the past year, however, the department has begun to move forward. Mr. C. S. Martin arrived from the United States early in October and took up his appointment of Chief Forest Engineer. He brought with him Mr. J. K. Pearce to fill the appointment of Logging Engineer. These two gentlemen were not long in making their presence felt as witness the report of the Chief Forest Engineer printed in Volume II of this report.

Another most important step forward was the appointment of a Forest Utilization Officer. Mr. T. Clear was appointed to this post on 1st April 1923 and on his promotion to act as Conservator Mr. J. W. K. Wernham took his place. The urgent need which existed for an officer who could deal exclusively with the commercial side of the department and be a 'liaison officer' between it and the trade has been conclusively proved by the manner in which the work of this section has expanded. So much is this the case that it has recently become impossible for one officer to cope with it and a second officer has been appointed. Some idea of the extent of the work to be done may be obtained from a perusal of paragraph VI of the Chief Forest Engineer's report referred to above.

A number of exhibits were sent to England for the British Empire Exhibition. Those shown in the Madras Court were

chiefly of a museum type except for a very fine inlaid map in wood and some ornamental screens. The timber exhibit shown by Messrs. Howard Bros. & Co. in the all-India Court, however, is said to be very effective and contains several Madras timbers such as *Terminalia tomentosa*, *Dipterocarpus turbinatus*, teak, rosewood, *Lagerstromia*, *Cedrela Toona* and *Hardwickia pinnata*. Plate No. 9 shows a suite of furniture made of *Terminalia tomentosa*.

The following extracts from the well-known American Lumber journal "The Timberman" for July 1924 are of interest. 'Laurel' is the trade name for *Terminalia tomentosa*:—

"All the woodwork in the Forestry Court of the Indian pavilion is of a very high order, with the first place going to the laurel wood billiard room, in which all the fittings, the panelling and the billiard table have been entirely made in this wood. Throughout the court in fact, this wood can be seen to advantage in many articles, including bookcases, chiffoniers, bureaux, tables, music cabinets and especially in some very beautiful screens."

"Although admittedly one of the finest woods the world possesses, laurel wood has not yet been received with the enthusiastic acclaim it merits. The magnificent displays at the Empire Exhibition are, however, undoubtedly having an effect on its popularity."

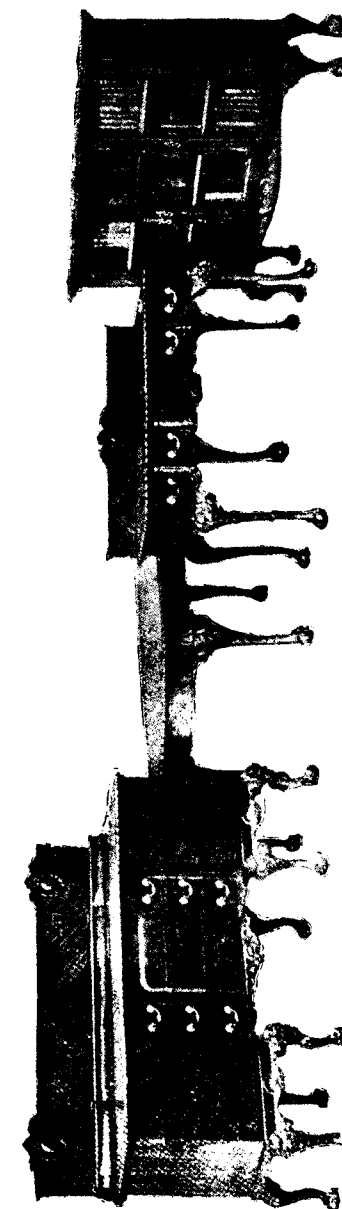
"In the opinion of James Roger, of Garland and Roger, Leith, who has been in the trade for 45 years and has an expert knowledge of hard woods laurel wood is the finest wood he has ever seen. So impressed was he with it that he had the aforementioned billiard table executed in it, with the result that furniture manufacturers who have seen it declare it is probably the finest billiard table ever designed."

Of the two committees appointed for the investigation of forest grievances in the Kurnool and Chittoor districts and referred to in the last report, the Chittoor Committee submitted its report during the year and most of its recommendations were accepted. The report of the Kurnool Committee which was received after the close of the year is under consideration.

FOREST COLLEGE.

29. Mr. C. C. Wilson was the Principal of the college from 1st April 1923 to 5th August 1923 when he was relieved by Mr. W. G. Dyson who was in charge for the rest of the year. Twenty-six students passed out of the college in 1924. Of these, 9 were from the Central Provinces, 5 from Ceylon, 2 from Hyderabad, 1 from

PLATE No. 9



DINING ROOM SUITE IN LAUREL WOOD (*Terminalia tomentosa*) SHOWN IN THE
BRITISH EMPIRE EXHIBITION.

Bihar and Orissa, 1 from the Orissa Feudatory States, 1 from Central India and 7 from Madras (four Government stipendiary students, one Court of Wards student, one from the Vizianagram estate and one private student). One student from Ceylon, the private student and the four Government stipendiary students received Honours certificates. Fifteen students were granted Higher Standard certificates and the remaining five obtained Lower Standard certificates. There were no failures.

VERNACULAR TRAINING SCHOOLS.

30. Vernacular Training schools were held in the I, III, IV and V Circles. The results were satisfactory. Five students from Bihar and Orissa were trained in the school held in the Ganjām district.

H. TIREMAN,
Acting Chief Conservator of Forests.

The following is a summary of the progress made in Forest Administration in the Madras Presidency during the quinquennium ending with the year 1923-24.

2. *Administration.*—The chief features of interest were the creation of a special branch of the department to deal with the exploitation of the valuable timber forests and the engineering problems ancillary thereto and the division of the presidency into six Conservators' circles. As stated by Government in G.O. No. 2293, dated 11th December 1919, the war had revealed the magnitude of the undeveloped forest resources of the State and the necessity for their exploitation, but valuable as are the timber forests of Madras they are for the most part situated in difficult and inaccessible country and it was realised at an early stage that if exploitation was to be successful it must be controlled by men specially trained in the work. Government therefore decided to form an Engineering Branch of the Forest Department and to place it in the first instance under the control of an expert in lumbering. The gentleman selected for this post was Mr. C. S. Martin, an expert of great experience in lumbering practice in the west of the United States, who had for three years previously served as Consulting Forest Engineer to the Government of India. Mr. Martin arrived and took over the new branch in October 1923. A second American expert (Mr. J. Kenneth Pearce) was engaged at the same time as Logging Engineer. On Mr. Martin's arrival, the Forest Utilization Officer who had been appointed in April 1923, the Forest Engineer and the officer in charge of exploitation in the Chenai Nair reserved forest were placed under his orders.

3. The non-co-operation campaign brought about organized defiance of the forest law. This was especially serious in the Guntur district where many cases of violence against forest officials occurred. Several forest guards were murdered. The definite break-down of the movement towards the close of the quinquennium had an important reaction for the better on forest protection. Lawlessness was much less in evidence, the change being specially marked in Guntur. During the Mappilla rebellion in 1921, the Nilambur division was for several months in the hands of the rebels. The District Forest Officer and his subordinates had narrow escapes from death; work was entirely dislocated and most of the buildings were destroyed, or badly damaged.

4. The special 'Forest year' from July to June was abolished in 1920-1921 and the administration reports from that year onwards correspond to the official year.

5. With a view to keep the Government in touch with non-official opinion in regard to forest policy, a standing Forest Advisory Committee was formed in 1921 consisting of non-official members of the Legislative Council presided over by the Hon'ble Member in charge of the forest portfolio. Besides, in furtherance of the policy of enlisting public opinion in local forest matters, committees consisting of the local forest officers, the members of the Legislative Council and other non-official gentlemen were appointed by Government to enquire into the forest grievances in the Coimbatore,

Chittoor and Kurnool districts. The recommendations of the Coimbatore and Chittoor committees were generally given effect to. The report of the Kurnool committee is now under consideration.

6. *Organization.*—The Indian Forest Service was reorganized with reference to the recommendations of the Public Services Commission and the cadre was raised from 43 to 64. 12½ per cent of the posts in the Indian Forest Service were regarded as listed appointments to be filled by the promotion of officers of the Madras Forest Service. The Madras Forest Service was also reorganized with effect from 1st January 1922.

7. The strength of the subordinate executive and protective staff was increased and the pay raised with effect from 1st October 1919. The revision resulted in an increase in the number of Rangers of 37, Foresters 257 and Forest Guards 770; the class of 'Deputy Rangers' was abolished and merged in that of 'Foresters'. The pay of the clerical staff was raised with effect from 1st March 1921 along with the general revision of pay of non-gazetted subordinates in the Presidency and a time-scale of pay fixed. As a measure of retrenchment, the Foresters' cadre was subsequently reduced by 15 per cent, range clerks were reduced to one in all ranges and several clerks, attenders and peons in Conservators' and District Forest offices were dispensed with, as also a number of temporary subordinates such as reserve watchers, tannadars, permit gumastas, bungalow watchers, etc.

8. *Development—Russellkonda saw mill.*—With a view to secure a market for Ganjam timbers, especially sal, a saw mill was established at Russellkonda under the management of Messrs. Parry & Co., and began working in April 1922. In the first year, sallogs measuring 126,571 cubic feet were put into the mill and produced 41,318 cubic feet of sawn timber. The intake in the second year (1923-24) was 158,000 cubic feet from which 53,000 cubic feet of sawn timber were obtained. In the first year the sales realised Rs. 49,929 and in the second, Rs. 1,42,000. The financial result was a loss of Rs. 6,216-0-9 in 1922-23 and of Rs. 7,903-3-2 in 1923-24. This was largely due to the slump in the Calcutta timber market, the large proportion of unsound timber, and the fact that the machinery was designed for timber considerably larger than is found in the forests. The managing agents feel confident, however, that with a revival of the timber market, the future outlook is promising.

9. *Exploitation.*—Until the beginning of the quinquennium the ever-green forests had been looked on as more or less valueless partly owing to their inaccessibility and partly to the fact that much of the timber being unknown was regarded as 'useless'. It seemed absurd, however, that the enormous quantities of timber growing in these forests should be left to fall and rot and in 1919 an attempt was made to exploit the Chenai Nair reserved forest, which—although in very difficult country—is not far from the railway. It was found, however, that mechanical appliances were essential and that to obtain efficient work from machines expert supervision was required. In the absence of such supervision the result has hitherto been a financial loss but much valuable experience has been gained and with the advent of the Chief Forest Engineer and the Logging Engineer and the installation of a saw mill now in course of erection at Olavakkode there is every reason to hope that the exploitation will prove a paying proposition.

10. The Chief Forest Engineer has made preliminary investigations into the possibility of exploiting the Papanasam forests in Tinnevely and the

forests in the neighbourhood of Someshwar in the North Mangalore division. These forests contain large quantities of fine timber and should prove a great asset to the State.

11. Messrs. Howard Brothers and Company of London were appointed in 1923 sole agents to the Madras Government for the sale of Indian timbers in Europe. Small quantities of timber (chiefly *Terminalia tomentosa*) have been consigned to this firm and have been sold at prices which compare favourably with those obtainable in India. There appears to be a great future before *Terminalia tomentosa* (known in London as "Laurel"); a small parcel of this timber was sold for Rs. 40 per cubic foot. The total sales in England to the end of the quinquennium were 4,333 c.ft. on which a net profit of about Rs. 3 per cubic foot was realised.

12. *Panchayats*.—An important feature of the quinquennium was the development of the forest panchayat system. With a view to examine the question of promoting this system for class V reserves, Mr. D. G. Bles, I.C.S., was placed on special duty for a period of six months in 1920, and as a result of his recommendations a special staff consisting of a Forest Panchayat Officer and six Panchayat Inspectors was appointed. The operations of the staff were confined to the districts of Kistna, Guntur, Cuddapah, Bellary, Chittoor, Chingleput, South Arcot, North Arcot, Trichinopoly, Salem and Coimbatore. At the close of the period under review 858 square miles of forests in these districts had been placed under panchayat management. There were also 38 panchayats administering an area of 124 square miles in districts not under the control of the special staff. The spread of the panchayat movement has already rendered possible the abolition of two ranges, one in the Bellary district and the other in the Cuddapah district and of the Kistna division (since the close of the quinquennium). As the further expansion of the system is beyond the capacity of the existing staff, proposals for increasing the staff and extending the sphere of its activities are now under the consideration of the Government.

13. The forest village system was in force at the close of the period in the South and West Vellore, North and South Coimbatore, Palghat, East and South Salem, and North and South Mangalore divisions.

14. *Sylviculture*.—The quinquennium has witnessed a great advance in sylviculture, a subject which in Madras had not previously received the attention which was due to it. Improvement fellings and the so-called "selection system" have been practically done away with in all important forests in favour of regeneration under the system of clear felling. When exploitation of the evergreen forests was first undertaken it was feared that regeneration would be a difficult matter, but experience shows that the problem is likely to be easy of solution owing to the abundance of natural regeneration, which can easily be supplemented by sowings. Sowing of *Hopea parviflora* has been undertaken with considerable success on a large scale in South Kanara under the shade of a badly grown deciduous crop—the result of shifting cultivation in the past—and some 5,500 acres are now stocked with an established crop of this valuable species.

15. *Research*.—A special officer was placed in charge of sylvicultural research work in the presidency in 1919 and was attached to the VI circle. The results of the experiments and investigations conducted by him are published in the annual bulletins.

16. *Changes in the area*.—The area under control remained practically the same as in the previous quinquennium as shown below :—

		At the commencement of the quinquennium.	At the end of the quinquennium.
		Square miles	Square miles.
Reserved forests	...	18,712	18,956
Reserved lands	...	682	172
		19,394	19,128

17. *Forest settlement*.—Forest settlement work is practically complete in the presidency. The area of 500 square miles mentioned in the last report was settled during the period under review.

18. *Demarcation*.—The total length of artificially marked boundaries at the end of the quinquennium was 31,132 miles as against 32,575 miles at the end of the previous quinquennium, the decrease being chiefly due to disforestation.

19. *Surveys*.—About 924 square miles on the two-inches scale and about 404 square miles on the one-inch scale were surveyed by the Survey of India Party chiefly in the districts of Kurnool, Guntur, Nellore, West Cuddapah and Chittoor. The party was also at work in the South Coimbatore division making $1\frac{1}{2}$ " scale maps of the hilly tracts of Udamalpet range and carried out a survey of the Amphill Downs reserve in the Kodaikanal range, Madura district, and a resurvey of the Cumbum, Palni and Sholavandan ranges in the same district.

20. *Working plans*.—Two important working plans—one for the Nilambur valley forests and the other for the Ghumsur forests in Ganjam—were sanctioned during the period under review. Working plans were in force for 6,258 square miles as against 8,312 square miles in the previous quinquennium. The decrease is largely due to the cancellation of old working plans which had become obsolete. Most of the working plans in force are merely simple arrangements for working fuel and grazing reserves. Except in the case of Nilambur and Ghumsur, there are no working plans for the valuable timber forests and a forward policy in this respect is urgently required.

21. *Communications and buildings*.—The average annual expenditure on communications and buildings and other works amounted to Rs. 4,26,022 as compared with Rs. 2,77,505 in the previous quinquennium, the increase being due to the execution of works which had been postponed on account of the war and to the construction of the Russellkonda saw mills, the Javadi hill roads, and the Mount Stuart Ghat road and the reconstruction of the buildings destroyed by the Mappilla rebels in Nilambur.

22. *Forest offences*.—The average annual number of forest offences was 29,021 against 28,933 for the previous period. There was a small increase in the number of offences under 'unauthorized fellings' from 18,716 to 19,253 and 'other offences' from 1,177 to 1,246, while those under 'injury to forests by fire' fell from 1,318 to 1,292 and under 'unauthorized grazing' from 7,722 to 7,230.

APPENDICES.

APPENDIX A.—Comparative statement of number and origin of fires that
occurred during the calendar year 1923.

23. *Fire protection.*—The average area under systematic fire protection amounted to 17,040 square miles against 16,060 square miles in the previous period. The system of early burning under departmental supervision—whereby the grass is burnt as soon as it is dry enough, the resulting fire being less severe than if it occurred later in the season and doing very little damage—was introduced for the first time in the Nallamalais in the Kurnool district in 1919-20 and extended to other districts with much success. As a result of the adoption of this system, there has been a considerable saving in the expenditure under fire protection which fell from Rs. 1,19,994 in 1918-19 to Rs. 59,929 in 1923-24.

24. *Protection from cattle.*—One-fifth of the total area of forests was closed to grazing during the year 1923-24 while about one-fourth of the total area was closed during 1918-19. The number of animals grazed slightly increased from 2,045,678 at the beginning of the period to 2,141,770 in the closing year, the increase being chiefly due to grazing concessions allowed in the closing year in the districts of Salem, Coimbatore, North Arcot, Bellary, Anantapur, Kurnool and Chittoor, on account of unfavourable season. The number of animals allowed free grazing increased from 29,075 at the beginning of the period to 93,299 at the end of it. The average grazing incidence during the last year of the period worked out to 4.59 acres per animal. With the extension of the forest village and panchayat systems the villagers have begun to evince interest in the conservancy and improvement of the grazing grounds adjacent to villages.

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

—				Timber and fuel.	Bamboos.	Minor forest produce.
				C.F.T.	RS.	RS.
1914-15 to 1918-19	..	..	..	25,161,000	3,11,727	18,43,032
1919-20 to 1923-24	..	..	..	24,848,600	3,49,372	18,89,604

The figures have remained more or less constant for ten years ; now that exploitation of the valuable timber forests is being taken in hand a considerable increase may be looked for in the quantity of timber extracted.

26. *Financial results.*—The average annual financial results of the last two periods were as follows :—

—				Revenue.	Expenditure.	Surplus or deficit.
				RS.	RS.	RS.
Average for the period 1914-15 to 1918-19				46,13,000	28,76,000	17,37,000
..	..	1919-20	..	59,53,910	35,16,428	24,37,482
..	..	1920-21	..	46,16,184	34,22,522	11,93,662
..	..	1921-22	..	47,96,900	48,42,366	— 45,466
..	..	1922-23	..	52,72,957	47,89,463	4,83,494
..	..	1923-24	..	54,86,963	46,29,514	8,57,449
Total				2,61,26,914	2,12,00,293	49,26,621
Average				52,25,383	42,40,059	9,85,324

The deficit in 1921-22 was due to the heavy expenditure incurred during that year on development and to increased salaries and travelling allowances.

27. *Forest education.*—146 students passed out of the Madras Forest College, Coimbatore, during the period, of whom 25 obtained Honours certificates, 81 Higher Standard and 40 Lower Standard certificates. 69 students were subordinates of the Madras Forest Department.

Vernacular Training Schools with a six months' course for the training of Foresters and Forest Guards were held annually in the I, III, IV and V Circles and their working was satisfactory.

28. *Hill tribes.*—The Malayalees on the Javadi hills, the Khonds in Ganjam and Koyas and Reddis in the Godavari divisions assisted the department as usual in the protection of the forests.

The Chenchus of Kurnool got out of hand in 1919 and 1920 and severe measures had to be taken to control their criminal propensities and to afford adequate protection to Government servants employed among them. Steps have been taken to reform the younger generation by means of education and the able-bodied by providing regular and suitable employment in the forests. It was decided that all expenditure in connexion with the Chenchus should be met from the forest budget.

H. TIREMAN,
Acting Chief Conservator of Forests.

APPENDIX A.—Comparative statement of number and origin of

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 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	9	1,459	15	3,932	..	..	19	1,703	3	68	..	..
Vizagapatam ..	..	..	..	..	1	100	11	926	..	..	..	..
Godavari, Upper ..	2	60	13	19,783	..	..	4	26,457	..	..	..	..
Do. Lower ..	1	(b)	5	5,772	..	..	15	3,219	..	..	..	..
Kistna	..	..	..	..	..	..	..	..	..	..	..	..
Total	12	1,519	33	29,487	1	100	49	32,305	3	68	..	..
<i>Second Circle.</i>												
Bellary	..	..	..	..	15	2,727	16	1,326	4	531	..	..
Anantapur	..	..	..	..	1	30	2	170	3	541	..	..
Guntur	..	..	..	..	..	..	5	2,713	..	..	..	..
Kurnool, East ..	1	80	12	8,635	1	3	..	..	..	..	..	..
Do. South	..	..	10	15,519	..	..	8	8,351	3	12,080	..	..
Do. West	2	25	1	600	2	207	..	..	..	..	..	..
Total	3	105	23	24,754	19	2,967	31	12,560	10	13,132	..	..
<i>Third Circle.</i>												
Uddapah, North ..	..	..	15	12,255	..	..	4	568	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..
Do. West	..	..	..	..	1	51	4	414.50	..	..	..	..
Nellore	..	..	1	128	1	1	5	772	..	..	..	..
Chingleput	..	..	..	..	..	..	..	..	..	..	..	..
Chittoor	3	840	9	1,738	..	..	4	163	..	..	..	..
Vellore, North ..	..	..	2	177	..	..	..	..	..	..	..	..
Total	3	840	27	14,298	2	52	17	1,917.50	..	..	..	..
<i>Fourth Circle.</i>												
Vellore, South ..	..	..	1	50	1	40	6	160	1	4	..	..
Do. West	..	..	1	64	..	..	7	218	..	..	..	..
Salem, East	..	..	..	..	..	..	5	82	..	..	1	1
Do. North	1	40	5	1,345	..	..	5	381	..	..	..	..
Do. Central	..	..	2	47	1	*	10	269	..	..	..	..
Do. South	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	40	9	1,506	2	40	33	1,110	1	4	1	1

Includes fires in unprotected areas as under—

Ganjam	ACS.
Vizagapatam ..	6,067
Godavari, Upper ..	50
(b) Less than an acre.	40
* Less than an acre (0.02).	

DICES.

fires that occurred during the calendar year 1923.

fires that occurred during

reserves or fire-traced areas.

By intentional firing.						Total.		Causes unknown.		Total of A, B and C and 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)
1	50	7	4,649	8	1,374	38	7,814	4	376	66	(a) 13,611
..	..	12	52,570	1	5,798	12	1,026	..	..	12	(a) 1,026
..	..	..	..	..	..	17	84,825	6	43,362	38	1,48,030
..	..	..	..	..	..	15	3,219	20	3,246	41	12,237
..	..	..	..	..	..	..	..	1	50	1	50
1	50	19	57,219	9	7,172	82	96,914	31	47,034	158	1,74,954
..	..	..	..	..	..	35	4,584	29	7,444	64	12,028
2	147	..	..	..	..	8	888	12	2,096	20	2,984
..	..	..	..	..	..	5	2,713	..	..	5	2,713
3	245	4	3,981	3	162	11	4,391	32	15,398	56	28,504
..	..	1	1,492	1	10	13	21,913	12	14,267	35	51,699
..	..	..	..	2	35	4	242	3	75	10	942
5	392	5	5,473	6	207	76	34,731	88	39,280	190	98,870
24	7,945	..	..	1	..	28	8,513	10	1,600	53	22,368
..	..	..	..	5	..	1	5	..	..	1	5
3	194	..	..	9	1,025	17	1,684.50	11	1,650	28	3,334.50 or 3,335 in round figures.
..	..	..	..	1	0.90	7	773.90	1	0.10	9	902
..	..	..	..	..	..	10	1,601.50	37	6,217.85	59	10,397.35
14	2,537	6	1,438.50	9	495	23	3,032	8	203	33	3,412
41	10,676	6	1,438.50	20	1,525.90	86	15,609.90	67	9,670.95	183	40,418.85
12	522	..	..	9	390	29	1,116	5	142	35	1,308
1	60	..	..	9	357	17	635	14	327	32	1,026
1	2	..	..	3	5	10	90	19	104	29	194
2	40	1	245	..	..	8	666	16	4,465	30	6,516
12	289	3	128	2	71	28	755	2	77	32	879
..	..	..	..	..	..	..	..	12	517	12	517
28	913	4	371	23	823	92	3,262	68	5,632	170	10,440

Appendix A.—Comparative statement of number and origin of

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 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>Fifth Circle.</i>												
Kollegal ..	..	..	..	..	1	52	1	15	..	..	..	..
Coimbatore, North.	..	..	5	215	..	..	38	2,159	3	152	..	..
Do. South.	..	..	1	640	2	253	..	..	..	..	..	..
Madura ..	1	18	2	73	2	106	..	..	..	..	..	..
Tinnevely ..	..	..	9	321	5	340	2	479	..	..	2	86
Total ..	1	18	17	1,249	10	751	41	2,653	3	152	2	86
<i>Sixth Circle.</i>												
Mangalore, North.	1	1	..	..	..	..	14	88	..	..	..	..
Do. South.	..	..	11	109	..	..	5	152	..	..	..	..
Wynaad ..	..	..	..	..	..	..	..	..	..	..	..	..
Nilambur ..	3	45	..	..	..	..	..	..	..	..	..	..
Palghat ..	1	15	4	37	3	20	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	3	42	3	150	1	30	..	..
Total ..	5	61	15	146	6	62	22	390	1	30	..	..
Grand total for 1923.	25	2,583	124	71,440	40	3,972	193	50,936	18	13,386	3	87
Grand total for 1922.	29	5,499	255	122,790	80	30,245	325	96,571½	15	737	5	1,140

fires that occurred during the calendar year 1923—cont.

In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.		Total.		Causes unknown.		Totals of A, B and C and causes unknown.	
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	989	..	..	..	..	8	1,056	1	1	9	1,057
..	..	..	..	..	..	41	2,311	6	539	52	3,065
..	..	..	..	..	..	2	253	..	..	3	893
..	..	..	..	124	5,139	126	5,245	57	1,550	186	6,886
3	195	48	14,117	..	..	60	15,217	..	..	69	15,538
9	1,184	48	14,117	124	5,139	237	24,082	61	2,090	319	27,439
..	..	1	60	..	..	15	148	8	473	24	622
..	..	..	..	..	..	5	152	11	333	27	594
..	..	..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..	..	..
1	50	..	..	2	55	6	125	2	2	13	179
..	..	..	..	..	..	7	222	5	34	12	256
1	50	1	60	2	55	33	647	27	842	80	1,696
85	13,265	83	78,679	184	14,922	606	175,246	345	104,549	1,100	353,818
464	2,44,680	47	15,047	220	39,456	1,156	427,876½	971	238,001½	2,411	894,167

* The area burnt was only 4 feet square.

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ANNUAL REPORT OF THE

APPENDIX B.—Comparative statement of impounded cattle during 1923-24.

Districts.	Number of cattle impounded.		Average for three years ending 1922-23.
	1922-23.	1923-24.	
<i>First Circle.</i>			
Ganjam	999	751	865
Vizagapatam	1,134	781	1,047
Godavari, Upper	368	845	475
Do. Lower	941	1,171	722
Kistna	5,394	3,906	4,263
Total ..	8,833	7,454	7,372
<i>Second Circle.</i>			
Bellary	9,209	9,081	7,380
Anantapur	13,626	8,071	10,790
Guntur	17,635	19,965	16,186
Karnool, East	6,807	5,958	5,376
Do. South	9,459	9,058	8,698
Do. West	8,323	7,573	8,819
Total ..	65,059	59,706	57,259
<i>Third Circle.</i>			
Cuddapah, North	3,932	4,361	2,751
Do. South	1,919	1,598	1,529
Do. West	8,535	6,761	7,181
Nellore	12,068	9,411	10,034
Chingleput	2,337	2,294	2,744
Chittoor	6,968	6,840	8,092
Vellore, North	8,638	6,428	7,561
Total ..	44,397	37,493	39,885
<i>Fourth Circle.</i>			
Vellore, South	5,692	5,260	6,900 *
Do. West	5,101	2,010	3,923 *
Salem, East	6,901	5,126	7,526 *
Do. North	1,659	1,727	1,076 *
Do. Central	3,570	3,664	3,237 *
Do. South	4,990	5,377	4,283 *
Total ..	27,913	23,164	26,945
<i>Fifth Circle.</i>			
Kollegal	3,998	2,383	3,558
Coimbatore, North	4,643	3,514	3,715
Do. South	431	398	488
Madura	7,799	8,957	5,495
Tinnevely	2,898	2,225	2,551
Total ..	19,769	17,477	15,907
<i>Sixth Circle.</i>			
Mangalore, North	74	304	242
Do. South	1,019	580	629
Wynaad	180	145	94
Nilambur	Nil.	Nil.	Nil.
The Nilgiris	762	601	700
Palghat	1,674	972	1,018
Total ..	3,709	2,602	2,690
Grand total, Presidency ..	169,683	147,896	150,058

* Average for two and three-fourths years ending 31st March 1923.

ANNUAL FORM No. 65.

Forest Department, Madras Presidency.

Area of reserved forests and reserved lands during 1923-24.

Districts.	Area of reserved forests.					
	Area on 1st April 1923.		Added during the year.	Excluded during the year.	Area on 31st March 1924.	
	Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
First Circle.						
Ganjam	400,110	625	..	6	400,104	625
Vizagapatam ..	196,967	308	24	..	196,981	308
Godavari, Upper ..	531,346	830	(a) 181	(f) 93	531,434	830
Do. Lower	303,531	474	7,966	..	311,497	487
Kistna	169,196	265	..	(f) 215	168,981	264
Total	1,601,140	2,502	8,171	314	1,608,997	2,514
Second Circle.						
Bellary	359,753	562	..	(b) 66	359,752	562
Anantapur	467,312	730	..	(b) 1,042	466,271	729
Guntur	501,988	784	..	(b) 1,855	500,132	781
Kurnool, East ..	620,767	970	..	..	620,767	970
Do. South	483,383	760	(a) 8,393	(b) 1,720	493,055	770
Do. West	546,154	853	..	(c) 9,171	536,983	839
Total	2,982,357	4,659	(a) 8,393	13,789	2,976,960	4,651
Third Circle.						
Cuddapah, North ..	381,492	596	38	73	381,457	596
Do. South	295,614	462	..	..	295,614	462
Do. West	477,609	746	..	14	477,595	746
Nellore	459,407	718	..	216	459,191	717
Chingleput	128,472	201	..	1,048	127,424	199
Chittoor	527,902	824	1	1,131	526,772	823
Vellore, North ..	289,757	453	26	1,816	287,967	450
Total	2,560,253	4,000	65	4,298	2,556,020	3,993
Fourth Circle.						
Vellore, South ..	307,016	480	(a) 26-00	(d) 40-00	307,002-00	480
Do. West	244,507	382	..	..	244,507-00	382
Salem, East	358,655	560	(b) 1,216	..	359,871-00	562
Do. North	333,793	(g) 522	..	..	333,793-00	522
Do. Central	262,327	410	(c) 42	..	262,369-00	410
Do. South	219,983	344	(a) 3 460	(d) 1,184	222,259-00	347
Total	1,725,281	2,698	4,744	1,224	1,729,801-00	2,703

First circle—

(a) Rectification of boundary.

(f) Disforestation.

Second circle—

(a) Addition due to transfer of the area from Kurnool West to Kurnool South as per G.O. No. 227, dated 10th February 1923, with effect from 1st April 1923.

(b) Disafforested.

(c) Includes 8,393 acres transferred to Kurnool South, 588 acres disforested and 190 acres handed over to the Banganapalli State—vide G.O. No. 514, Development, dated 24th March 1924.

Fourth circle—

(a) Transferred to reserved forest.

(b) 1,209 acres added owing to the adoption of the areas calculated by the Survey of India for Thirthamalai, Elayambadi and Onnakarai reserves.

(c) Change is due to adopting the area calculations made by the Survey of India on their recent 2 inches = 1 mile survey for Masakal and Singarahalli—Parappadipath reserves.

(d) Area disafforested during the year.

(g) As per correct calculation.

No. 65.

Madras Presidency.

lands during 1923-24.

Area of reserved lands.						Total area of reserved forests and reserved lands in square miles.
Area on 1st April 1923.		Added during the year.	Excluded during the year.	Area on 31st March 1924.		
Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)
(c) 1,313 (d) 14 (e) 24	.. 2	.. ..	.. (b) 24	(c) 1,313 (d) 14	.. 2	625 310
7,966 381	.. 12- 1	.. .. ..	(b) 7,966 ..	.. (d) 381	 1	830 487 265
9,698	15	..	7,990	1,708	3	2,517
.. .. .. .. .. ..	.. .. .. .. .. ..	89 .. .. .. .. ..	.. .. .. .. .. ..	89	.. 14	562 729 781 970 770 839
..	..	89	..	89	.. 14	4,651
431 128 .. 7,159 .. 1 26	1 11	.. (a) 4 .. 3	38 (b) 32 1 26	361 132 .. 7,162	1 11	597 462 746 728 199 823 450
7,745	12	7	97	7,655	12	4,005
26-00 7,492-00 7,884-00 20,874-00 38,276-00	0-4 12-00 12-00 32-61 56-65	(c) 4-00 4-00	(a) 26-00 (f) 10-00 (a) 3,460-00 3,498-00	4-00 7,482-00 7,884-00 17,414-00 32,784-00	0-1 12-00 12-00 27-21 51-22	480-01 382-00 574-00 522-00 422-00 374-21 2,754-22 or 2,754

First circle—

(b) Transferred to reserved forests.

(c) Leased forests.

(d) Notified under section 26 of the Forest Act.

(e) Notified under section 4.

Third circle—

(a) Due to the adoption of the areas as settled by the Forest Settlement Officer.

(b) Area excluded at Settlement.

Fourth circle—

(c) Area added during the year by notification under section 4.

(f) Area excluded under settlement in Pallipatti extension reserve, viz., 3-00 acres and 7 acres transferred to reserved forests.

Area of reserved forests and reserved

Districts.	Area of reserved forests.					
	Area on 1st April 1923.		Added during the year.	Excluded during the year.	Area on 31st March 1924.	
	Aores.	Equivalent in square miles.	Aores.	Aores.	Aores.	Equivalent in square miles.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>Fifth Circle.</i>						
Kollegal	602,627	941	..	..	602,627	941
Coimbatore, North ..	563,972	881	(a) 432	{ (b) 2,781 (c) 68,056 }	498,617	771
Do. South ..	290,388	454	..	(b) 777	289,611	453
Madura	422,331	660	(e) 203	(b) 9	422,525	660
Tinnevely	271,242	424	(f) 1,292	(g) 222	272,312	426
Total ..	2,150,560	3,360	1,927	71,795	20,80,692	3,251
<i>Sixth Circle.</i>						
Mangalore, North ..	229,976	360	..	(a) 74	229,902	359
Do. South ..	280,888	439	..	..	280,888	439
Wynaad	168,424	263	..	(a) 11	168,423	263
Nilambur	68,947	108	..	..	68,947	108
Palghat	168,839	264	..	(a) 712	168,127	263
The Nilgiris ..	263,556	412	(b) 109	1	263,654	412
Total ..	1,180,630	1,846	109	798	1,179,941	1,844
Grand total, Presidency.	12,201,221	19,065	23,409	92,218	12,132,411	18,956

Fifth circle—

(e) Area omitted by mistake in last year's return and now added.

(b) Disforested.

(c) Due to correct computation at the time of the revision of the District Reference Map in 1923.

(e) Added by rectification.

(f) Added during the year under section 16.

(g) Due to revision of boundary as per orders in G.O. Mis.No. 467, Political, dated 13th November 1923.

Sixth circle—

(a) Disforested.

(b) Addition to reserved forests, section 16.

lands during 1923-24—cont.

Area of reserved lands.						Total area of reserved forests and reserved lands in square miles.
Area on 1st April 1923.		Added during the year.	Excluded during the year.	Area on 31st March 1924.		
Aores.	Equivalent in square miles.	Aores.	Aores.	Aores.	Equivalent in square miles.	
(8)	(9)	(10)	(11)	(12)	(13)	(14)
..	..	(d) .. 7	..	.. 7	* ..	941
..	..	..	..	..	..	771
..	..	(d) .. 228	..	.. 228	* ..	453
..	..	..	(h) 1,292	..	..	660
1,292	2	..	..	..	..	426
1,292	2	235	1,292	235	..	3,251
..	..	..	..	..	..	359
..	..	..	..	..	..	439
.. 22	..	..	..	(d) .. 22	..	263
12,252	19	..	..	(e) 12,252	19	127
..	..	..	..	..	..	263
{ 52,580	82	..	..	52,471	82	499
2,878	* 5	..	(e) 109	2,878	* 5	
67,732	106	..	109	67,623	106	1,950
122,743	192	385	12,984	110,094	172	19,128

Fifth circle—

(d) Notified under section 4.

(h) Transferred to reserved forest.

* Less than one square mile.

Sixth circle—

(e) Transferred to reserved forests, section 16.

(d) Botanical gardens at Manantoddy.

(e) Leased forests.

* Toda patta lands.

Appendix to Form No. 65.

Details of classification of forests in the several districts for 1923-24.

SEVERAL DISTRICTS FOR 1925-26.

District.	Area of reserved forests in square miles.	Details of classification in square miles.						Un-classified.
		I	II	III	IV	V	VI	
<i>First Circle.</i>								
Ganjam	625	388	230	(a) ..	7	..	..	..
Vizagapatam	308	211	72	(a) ..	7	18	..	..
Godavari, Upper ..	830	217	613	..	..	..	..	..
Do. Lower	487	97	256	..	134	..	..	..
Kistna	264	22	83	..	26	133	..	..
Total	2,514	935	1,254	..	174	151	..	..
<i>Second Circle.</i>								
Bellary	562	36	257	13	121	132	..	3
Anantapur	729	..	304	..	376	49	..	..
Guntur	781	..	..	5	683	93	..	..
Kurnool, East	970	280	333	..	231	126	..	..
Do. South	770	281	300	..	187	2	..	..
Do. West	839	487	288	..	58	6	..	..
Total	4,651	1,084	1,482	18	1,656	408	..	3
<i>Third Circle.</i>								
Cuddapah, North ..	596	568	..	3	25	..	..	..
Do. South	462	431	2	..	29	..	..	..
Do. West	746	277	219	..	1	212	37	..
Nellore	717	172	164	4	326	51	..	..
Chingleput	199	..	40	..	143	16	..	..
Chittoor	823	266	329	1	17	209	1	..
Vellore, North	450	67	319	4	7	52	1	..
Total	3,993	1,781	1,073	12	548	540	39	..
<i>Fourth Circle.</i>								
Vellore, South	480	31	(a) 392	..	..	(a) 57	..	..
Do. West	382	22	(b) 343	..	3	(e) 6	8	..
Salem, East	562	(d) 317	(h) 134	..	..	61	(i) 50	..
Do. North	522	..	420	..	102	..	..	..
Do. Central	410	86	213	1	89	21	..	..
Do. South	347	(e) 215	55	..	..	(f) 73	(g) 4	..
Total	2,703	671	1,557	1	194	218	62	..

Note for First Circle.

- (a) Less than half a square mile.
 (b) 100 square miles, consisting Coringa and its extension and Kandikuppa, have been shown under class II although they are classed under classes II and IV.

Note for Fourth Circle.

- (a) 4 square miles were transferred from class V to class II, viz., parts of Alialamangalam and Siruvadi reserves.
 (b) Melchanganam reserve an area of 1,542.00 acres was transferred from class V to class II.
 (c) 900 acres (Thirgarapalli reserve) was transferred from class II to class V.
 (d) An area of about 1½ square miles were added to Thirthamalai reserve by adopting the area given in the 2-inches scale maps published by the survey of India.
 (e) 5 square miles (Vappadi reserve) was added to class I during the year.
 (f) About 1½ square miles in Irur reserve was disforested.
 (g) About half a square mile was disforested.
 (h) 180.00 acres were added to Elavambadi reserve by adopting the area given in 2-inches scale survey of India map.
 (i) This includes provisional class IV area of 40 square miles.

Details of classification of forests in the several districts for 1923-24—cont.

District.	Area of reserved forests in square miles	Details of classification in square miles.						Un-classified.
		I	II	III	IV	V	VI	
<i>Fifth Circle.</i>								
Kollegal	941	754	140	..	43	4	..	..
Coimbatore, North ..	771	555	171	..	45	..	..	..
Do. South	453	375	62	..	11	5	..	..
Madura	660	247	398	..	..	15	..	..
Tinnevely	426	198	196	..	14	9	9	..
Total	3,251	2,129	967	..	113	33	9	..
<i>Sixth Circle.</i>								
Mangalore, North ..	359	266	35	1	37	..	..	..
Do. South	439	254	67	..	118	..	..	..
Wynaad	263	226	37	..	..	..	..	..
Nilambur	108	100	8	..	..	..	..	..
Palghat	263	142	82	..	23	7	..	(a) 9
The Nilgiris	412	348	57	3	2	..	..	(b) 2
Total	1,844	1,356	286	4	180	7	..	11
Grand total, Presidency.	18,956	7,956	6,619	35	2,865	1,357	110	14

Note for Sixth Circle. { (a) Five reserves with an area of 9 square miles have not yet been classified.
 (b) Area of Rangaswami Peak reserve forest not yet classified.

ANNUAL REPORT OF THE

ANNUAL FORM No. 67.

Forest Department, Madras Presidency.

Record of demarcation and maintenance of boundaries during 1923-24.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
<i>First Circle.</i>	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Ganjam	..	(a) 1,357	..	1,375	..	80	1,455	..	9
Vizagapatam ..	..	(a) 564	..	564	..	19	583	..	(d) 23
Godavari, Upper ..	..	(b) 595	..	595	15	151	761	..	(e) 4
Do. Lower ..	23	(a) 736	..	781	20	71	852	480	(e) 25
Kistna	..	(a) 422	..	422	..	40	462	..	(e) 222
Total ..	23	(a) 3,099 (b) 595	118	3,841	35	361	4,237	480	(e) 78 (e) 226 (e) 23
<i>Second Circle.</i>									
Bellary	..	(a) 946 (b) 514	..	1,460	..	..	1,460	(d) 145	..
Anantapur ..	..	(c) 20 (a) 1,685	..	1,705	..	34	1,739	..	138
Guntur	..	(a) 41 (a) 567	1,172	1,213	..	..	1,213	..	184
Kurnool, East ..	..	(b) 15 (a) 594	30	612	..	48	660	..	..
Do. South ..	(f) 4	(a) 809 (c) 31	65	864	..	5	869	(e) 166 (e) 33 (k) 10	.. 507
Do. West ..	(f) 4	(a) 4,642 (b) 529 (c) 51	20	5,222	..	100	5,322	..	..
Total ..	8	(a) 4,642 (b) 529 (c) 51	1,277	6,507	..	187	6,694	354	829

* Less than a mile.

- Note for First Circle.*
- (a) Cleared by subordinates free of cost.
 - (b) Cleared by hill tribes for fire-protection, the cost being debited to B VIII (f).
 - (c) Cost of works other than boundaries of forests finally notified.
 - (d) Deduction owing to disforestation.
 - (e) Cost of surveying the boundaries with a view to rectification
- Note for Second Circle.*
- (a) Boundaries repaired free of cost by subordinates.
 - (b) Do. do. by panchayatdars.
 - (c) Do. do. by the department.
 - (d) Cost of demarcating panchayat division boundaries.
 - (e) Do. disafforested areas.
 - (f) Length of disafforested boundaries newly demarcated.
 - (k) This amount was wrongly credited to B VIII-a instead of to B VII-a shown here, to agree with Accountant-General's figures.

FOREST DEPARTMENT

Record of demarcation and maintenance of boundaries during 1923-24—cont.

District.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries still to be demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.	
								On new work.	On repairs.
<i>Third Circle.</i>	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Cuddapah, North ..	..	(a) 168.50	391.50	560	..	13	573	24	75
Do. South ..	..	(a) 215	111	326	..	40	366	..	..
Do. West ..	..	(a) 457	928	1,385	..	22	1,407	..	(d) 304
Nellore	..	(a) 1,907	47	(b) 1,956	..	84	2,040	..	(f) 167
Chingleput ..	..	(a) 675	170	(c) 854	..	..	854	..	625
Chittoor	..	(a) 611	333	1,446	..	60	1,506	21	302
Vellore, North ..	1	(a) 1,028	..	(e) 1,029	..	11	1,040	..	(g) 115
Total ..	1	5,574.50	1,980.50	7,556	..	230	7,786	45	1,290
<i>Fourth Circle.</i>									
Vellore, South ..	..	915	..	915	..	15	930	..	..
Do. West ..	..	596	33	629	..	13	642	..	50
Salem, East ..	..	1,168	..	1,168	..	4	1,172	..	685
Do. North ..	..	462	22	484	..	118	600	..	..
Do. Central ..	..	646	38	684	..	15	699	(a) 15	422
Do. South ..	38	(b) 987	..	1,026	25	..	1,050	499	131
Total ..	38	4,774	93	4,935	25	163	5,093	514	(a) 1,288

- Note for Third Circle.*
- (a) Cleared by subordinates free of cost.
 - (b) Difference due to exclusion of areas disafforested.
 - (c) Revised figure.
 - (d) Charged to B II.
 - (e) Last year's figure—1,043 miles. { —13 due to disafforestation.
Deduct. 15 miles. { —2 due to acquisition in certain reserves.

Balance	1,028
Add as in	1
Col. 2.	
Total ..	1,029

- (f) Cost of demarcation stones for Podalakur reserved forest.
(g) Added to agree with the Accountant-General's figures.

- Note for Fourth Circle.*
- (a) Represents the cost of construction of 29 cairns owing to exclusion of a portion of Kurumbapatti reserve.
 - (b) Difference of 10 miles is due to exclusion of areas disafforested. Excludes Rs. 43 spent in Tanjore.

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Forest Department, Madras Presidency.

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Record of demarcation and maintenance of boundaries during 1923-24—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.
Fifth Circle.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	MILES.	RS.	RS.
Kollegal	11	(a) 299	..	310	138	152	595	410	..
Coimbatore, North ..	..	(a) 585	..	585	170	106	861	(e) 20	..
Do. South	..	(a) 28	(b) 129	220	..	72	292	..	83
Madura	11	(a) 1,004	(b) 322	1,327	229	171	1,737	320	..
Tinnevely	..	(a) 252	(b) 192	429	..	34	463	..	(d) 41
Total ..	22	2,169	690	2,881	532	535	3,948	750	124
Sixth Circle.									
Mangalore, North ..	..	..	(b) 1,226	(a) 1,226	..	103	1,329	..	28
Do. South	..	..	(b) 1,135	1,135	..	101	1,236	..	2
Wynaad	2	52	(b) 1,103	1,180	28	36	1,244	78	369
Nilambur	..	(e) 95	..	95	20	55	170	..	..
The Nilgiris	..	6	(b) 1,208	1,511	..	299	1,810	..	* 343
Palghat	..	6	(b) 297	206	(a) 295	16	39	350	..
Total ..	2	159	5,281	5,442	64	633	6,139	78	876
Grand total, Presidency.	94	21,598½	8,439½	31,132	656	2,109	33,897	2,221	4,734

- Notes for Fifth Circle.**
- (a) Cleared by subordinates free of cost.
 - (b) Due to disforestation.
 - (c) Cost of cairns prepared for demarcation of Arigam enclosure.
 - (d) Added to agree with the Accountant-General's figures.
 - (e) Clearing District boundary line.
- Notes for Sixth Circle.**
- (a) Decrease due to disafforestation of reserves.
 - (b) Usual line-clearing by subordinates.
 - (c) Cost of line-clearing charged to fire-tracing operations.

Progress made in working plans during 1923-24.

District.	Areas for which working plans have been completed and approved by the Chief Conservator.		Areas for which working plans are being compiled or have been compiled but not sanctioned.		Areas for which working plans have still to be taken in hand.	Areas for which working plans are not at present required.	Total forest area as per Form No. 65.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.			
FIRST CIRCLE.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Reserved forests.							
Ganjām	625	..	..	42	..	18	625
Vizagapatam	183	62	..	..	830	..	308
Godavari, Upper ..	..	..	..	..	107	67	830
Do. Lower	313	..	..	..	..	24	487
Kistna	240	..	..	..	..	..	264
Total ..	1,364	62	..	42	937	109	2,514
Reserved lands.							
Vizagapatam	..	..	..	..	..	2	2
Kistna	..	..	..	..	..	1	1
Total ..	..	..	..	..	..	3	3
SECOND CIRCLE.							
Reserved forests.							
Bellary	..	..	..	..	(a) 482	80	562
Anantapur	315	(b) 117	..	..	297	..	729
Guntur	..	1	(d) 34	(e) 602	..	144	781
Kurnool, East	..	..	176	..	(f) 761	33	970
Do. South	..	..	(g) 9	196	565	..	770
Do. West	(k) 298	..	(h) 1	167	..	373	839
Total ..	613	118	220	965	2,105	630	4,651
Reserved lands.							
Bellary	..	..	..	..	14	..	..

Notes for Second Circle.

- (a) Includes lapsed working plans for 89 square miles of Harpanahalli and Kudligi Ranges and for 50 square miles of Adoni Range cancelled.
- (b) Gooty Range revised working plan sanctioned in C.C.P. Mis. No. 507, dated 28th September 1923.
- (d) Repalle Mangalore working scheme sanctioned by Conservator under revision.
- (e) Working plans for Sattenapalle, Palnad and Vinukonda Ranges under compilation during the year.
- (f) Includes lapsed working plan for 123 square miles of Gudem Range.
- (g) Gazulapalli working scheme sanctioned by Conservator transferred from Kurnool West to Kurnool South division.
- (i) Veldurti working scheme sanctioned by Conservator.
- (k) Includes 31 square miles of Gundlabrahmeswararam Range working plan held in abeyance.

Progress made in working plans during 1923-24—cont.

District.	Areas for which working plans have been completed and approved by the Chief Conservator.		Areas for which working plans are being compiled or have been compiled but not sanctioned.		Areas for which working plans have still to be taken in hand.	Areas for which working plans are not at present required.	Total forest area as per Form No. 65.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.			
THIRD CIRCLE.							
Reserved forests.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Cuddapah, North ..	31	..	48	2	500	15	596
Do. South ..	96	..	..	..	..	366	462
Do. West ..	53	..	..	24	..	672	746
Nellore ..	— 3 (c) 87 (d)	..	107	..	25 (a)	509	728
Chingleput ..	182 — 2 (b) + 19 (a)	..	..	..	..	..	199
Chittoor ..	33	85	..	..	11 (a)	695	824
Vellore, North ..	404 + 17 (a) — 3 (b)	..	..	..	..	32	450
Total ..	914	85	155	26	536	2,289	4,005
Reserved lands—Nil.							

District.	Regular working plans.	Schemes.	Revised or new working plans.	Revised or new schemes.	Existing working plans.	Existing schemes.	New working plans or scheme.	Existing working plans.	Existing schemes.	New working plans or schemes.			
FOURTH CIRCLE.													
Reserved forests.													
Vellore, South ..	(b) 413	..	..	..	127	..	..	353	..	..	..	..	480
Do. West ..	381	..	..	..	369	..	..	..	..	..	..	1	382
Salem, East ..	(c) 336	* 12	..	..	..	..	74	* 15	..	..	..	152	562
Do. North ..	96	..	..	..	..	..	217	..	..	..	..	209	522
Do. Central ..	(d) 193	..	..	{ (d) 67 45	..	{ 17 (a) 3	36	..	..	..	(d) 114	..	410
Do. South ..	153	75	..	3	..	28	..	..	..	3	45	40	347
Total ..	1,159	75	70	70	127	28	327	353	..	3	159	402	2,703
Grand total ..	1,234		70		482		356						

Note for Third Circle.

(a) Temporary working schemes.

(b) Disafforestation.

(c) Area for which working plan has been cancelled by the Chief Conservator of Forests.

(d) Revised consequent on the working plans having lapsed or requiring revision.

Note for Fourth Circle.

* The figures are excluded in vertical totals as they are included in the figures column 2, sub-column 1.

(a) This is excluded in vertical total as it is included in the figure in column 3.

(b) 1. This is excluded in vertical total as it is included in the figures in columns 4 and 5.

2. Correct figure furnished by the District Forest Officer.

(c) Correct area as per survey of India sheet.

(d) A part of the area under regular working plans was brought under a new scheme (67 square miles in column 3) and for 2 square miles working plan is still to be taken in hand column 6.

Progress made in working plans during 1923-24—cont.

District.	Areas for which working plans have been completed and approved by the Chief Conservator.		Areas for which working plans are being compiled or have been compiled but not sanctioned.		Areas for which working plans have still to be taken in hand.	Areas for which working plans are not at present required.	Total forest area as per Form No. 65.
	At commencement of the year.	During the year.	At commencement of the year.	Taken in hand during the year.			
FIFTH CIRCLE.							
<i>Reserved forests.</i>							
Kollegal ..	{ (a) 3 (b) *141	..	29	..	81	*687	941
Coimbatore, North. *	{ (a) 78 (b) 266 (c) 222	..	..	..	28 (d) — 4	181	771
Do. South.	(a) 65	..	..	..	25	337 (d) — 1	426
Madura ..	(a) 351	..	15	..	279	15	660
Tinnevely ..	(e)	(b) 287	..	..	..	139	426
Total ..	1,126	287	44	..	409	1,358	3,224
<i>Leased forests.</i>							
Coimbatore, South	(a) 20	..	..	..	..	7	27
Grand total ..	1,146	287	44	..	409	1,365	3,251
SIXTH CIRCLE.							
<i>Reserved forests.</i>							
Mangalore, North.	..	(d) 25	..	..	(a) 330 4	..	359
Do. South.	3	..	..	..	(a) 436	..	439
Wynad ..	..	..	..	..	(a) 178 22	63	263
Nilambur ..	108	..	..	..	..	..	108
The Nilgiris ..	63	..	(b) 2	..	..	347	412
Palghat ..	(c) 27 (d) 45	..	..	..	97	94	263
Total ..	246	25	2	..	1,067	504	1,844
<i>Reserved lands.</i>							
The Nilgiris ..	75	..	..	..	6	6	(e) 87
<i>Leased forests.</i>							
Nilambur ..	19	..	..	..	..	..	19
Total ..	340	25	2	..	1,073	510	1,950
Grand total, Presidency.	5,611	617	903	1,389	5,219	5,308	19,077

Note for Fifth Circle.

* Revised figures.

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

(b) Areas of temporary working schemes sanctioned by the Conservator.

(c) Areas of lapsed working plans worked however for extraaction of dead an spiked sandal trees on a temporary scheme.

(d) Disforested.

(e) Excludes working plans that have become obsolete.

Note for Sixth Circle.

(a) Sanctioned working plans expired and to be revised.

(b) Working scheme approved by the Conservator.

(c) Includes Walayar working plan, 7 square miles under revision.

(d) Working scheme.

(e) Includes Toda patta land, 5 square miles.

ANNUAL FORM No. 66.

Forest Department, Madras Presidency.

Progress made in forest settlements during the year 1923-24.

Forest district.	Name of forest.	Area in square miles.		Cost during the year.		Entire cost per square mile of 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.
First Circle.							
Vinayapatam ..	Chinnaghora extension block VI	0-038	..	..	Rs.	..	113
Godavari, Lower.	Birampalli ..	2-804	..	..	..	..	14
	Venulakonda ..	5-244	..	..	..	..	15
	Palam ..	2-083	..	..	..	..	16
	Nurupudi ..	2-315	..	..	..	..	17
	Total ..	12-484	..	..	..	..	..
Second Circle—Nil.							
Third Circle.							
Guddapah, North.	Kothapalle—Dasarapalle extension	0-050	0-560	..	..	..	228
Guddapah, South.	Seebachalam reserve ..	..	0-002	..	..	..	..
	Do. extension A ..	..	0-003	..	..	..	..
	Rollamadugu—Seebachalam ..	..	0-020	..	..	..	..
	Baduguntapalle reserve ..	..	0-003	..	3,719	..	..
Nellore ..	Do. extension A ..	..	0-005	..	(a) 8	..	..
	Salivendla reserve ..	..	0-100	..	..	..	..
	Chivvel extensions A and B ..	..	0-060	..	..	..	..
	Compartment No. 29 of Rapur Veligondas	..	11-190	..	..	..	..
Chittoor ..	Siharikola reserve ..	0-001	..	0-005	136	..	278
	Addition to Musalimadugu extension ..	0-020	..	..	20	..	262
	Sanankuppam ..	0-010	..	..	..	..	308
	Ambar ..	0-006	..	..	..	..	..
Vellore, North.	Kanyambadi ..	..	..	..	..	..	..
	Total ..	0-087	11-942	0-005	4,068	..	..
Fourth Circle.							
Vellore, South.	Mulakad reserve additions ..	0-0405	..	..	..	..	183
	Sorakattur reserve addition ..	..	..	0-006	..	..	38
Fifth Circle.							
Vellore West..	Nil ..	Nil.	Nil.	Nil.	..	..	..
Salem, East ..	Arana and Tirubagiri blocks	..	5-9200	..	..	..	..
	Palipatti extension ..	..	5-7700	..	..	..	..
	Manner reserve addition ..	0-004	0-0040	..	..	..	303
	Swaminimalai reserve 2nd bit addition ..	0-007	0-0070	..	..	..	241
Salem, Central.	Jangumalai reserve ..	..	11-9400	..	..	..	..
	Kanjari extension ..	..	0-3800	..	..	..	..
	Nil ..	Nil.	Nil.	..	..	..	..
	Paithur ..	..	20-6300	..	..	..	136
Salem, North..	Veppadi ..	5-380	5-3800	..	..	..	312
	Atturmanimalai ..	..	6-4900	..	..	..	78
	Seegamkaradu ..	0-090	0-0200	..	..	..	184
	Pakkirikaradu ..	0-003	0-0030	..	..	..	105
Salem, South..	Karavallikombai additions ..	..	0-0300	..	..	..	..
	Jambuthu ..	..	0-0030	..	..	..	..
	Shelar reserve ..	..	0-0600	..	..	..	352
	Total ..	5-4545	56-6775	0-003	..	..	..
Sixth Circle.							
Tinnevely ..	Karumandiamman Shola estate	0-14	0-14 (b)	..	..	..	110
	Mulakadu block ..	1-48	1-48	..	..	..	297
	Hare Island for Tuticorin harbour ..	0-22	0-22	..	..	..	135
	Punnayadi Island for Tuticorin harbour	0-16	0-16	..	..	..	22
Coimbatore, North.	Addition to Jaccanari reserve ..	..	..	0-001	..	..	156
	Do. to Tiger Shola reserve ..	..	..	0-343	..	..	..
	Do. to Kodavannur reserve ..	..	..	0-013	..	..	..
	Total ..	2-00	2-00	0-357	..	..	..
Madura ..	Mudumalai reserved forest	0-17	74-69	..	..	..	76
	Addition to Kalhatti reserved forest ..	(c) ..	..	..	..	..	263
	Do. to Wenulock downs reserved forest ..	..	0-06	..	..	..	..
	Do. to Nadupula reserved forest ..	..	0-27	..	..	..	..
The Nilgiris ..	Do. to Nadukadavulla reserved forest ..	..	0-05	..	..	..	..
	Do. to Attakadu Shola reserved forest ..	..	0-08	..	..	..	..
	Do. to Iloodakavu reserved forest ..	..	0-13	..	..	..	..
	Do. to III to Kodanad valley shola reserved forest ..	..	0-16	..	..	..	..
Grand total, Presidency	Do. to Madanad ..	..	4-69	..	..	..	(d) 158
	Do. to Segur reserved forest ..	..	80-13	..	..	..	..
	Total ..	0-17	150-749	0-368	4,068	..	..
	Grand total, Presidency	20-195	150-749	0-368	4,068	..	..

FOREST DEPARTMENT

Vellore West ..	Nil ..	Nil.	Nil.	Nil.	..	..	..	..
Salem, East ..	Arana and Tirthe-giri blocks	5-9200	5-7700	..	..	..	..	..
	Pallipatti extension ..	0-004	0-0040	..	..	..	303	17th Nov. 1923.
	Mannar reserve addition ..	0-007	0-0070	..	..	..	241	6th Sep. 1923.
	Swaminimalai reserve 2nd bit addition	..	11-9400	..	..	..	..	..
Salem, Central.	Jangumalai reserve ..	Nil.	0-3800	Nil.	..	..	..	..
Salem, North ..	Kanjari extension ..	..	..	..	..	..	..	..
	Nil ..	..	..	..	..	..	..	..
	Paithur ..	..	20-6300	..	..	..	136	24th June 1921.
	Vepudi ..	5-380	5-3800	..	..	..	312	29th Nov. 1923.
Salem, South ..	Atturmanmalai ..	0-020	6-4900	..	..	..	76	17th Feb. 1920.
	Seegankaradu ..	0-003	0-0200	..	..	..	184	27th June 1923.
	Pakkirakaradu ..	..	0-0030	..	..	..	105	12th Apr. 1923.
	Karavallikombai additions	..	0-0300	..	..	..	..	..
Tinnevely ..	Jambuthu ..	..	0-0030	..	..	..	352	9th Dec. 1922.
	Shelur reserve ..	..	0-0600	..	..	..	..	..
	Total ..	5-4545	56-6775	0-003	..	..	..	..
	Karumandiamman Shola estate	0-14	0-14 (b)	..	..	..	110	21st Apr. 1923.
Coimbatore, North.	Mulakadu block ..	1-48	1-48	..	..	..	297	3rd Nov. 1923.
	Hare Island for Tuticorin harbour	0-22	0-22	..	..	..	135	7th May 1923.
	Punnayadi Island for Tuticorin harbour	0-16	0-16	..	..	..	22	16th Jan. 1924.
	Addition to Jaccanari reserve ..	..	..	0-001	..	..	156	30th May 1923.
Madura ..	Do. to Tiger Shola reserve ..	..	..	0-343	..	..	..	..
	Do. to Kodavanar reserve ..	..	..	0-013	..	..	..	..
	Total ..	2-00	2-00	0-357	..	..	..	..
Sixth Circle.								
The Nilgiris ..	Madumalai reserved forest	..	74-69	..	..	..	76	9th March 1923.
	Addition to Kalhatti reserved forest ..	0-17	..	..	..	..	263	20th Sep. 1923.
	Do. to Wenlock downs reserved forest ..	..	..	..	..	..	..	..
	Do. to Nadugula reserved forest ..	..	0-06	..	..	..	..	..
	Do. to Nadukadavulla reserved forest ..	..	0-27	..	..	..	..	..
	Do. to Attakadu Shola reserved forest ..	..	0-05	..	..	..	..	..
	Do. to Iudakavu reserved forest ..	..	0-08	..	..	..	..	..
	Do. to Ili to Kodanad valley shola reserved forest ..	..	0-13	..	..	..	..	..
	Do. to Madanad ..	..	0-16	..	..	..	..	..
	Do. to Segur reserved forest ..	..	4-69	..	..	..	..	..
	Total ..	0-17	80-13	..	..	..	(d) 158	19th May 1924.
	Grand total, Presidency ..	20-195	150-749	0-3-8	4,068	..	..	..

(a) For acquisition of a site.

(b) Correct figure.

(c) Area 60 cents.

(d) The settlement is completed, but the notification is to be given effect to only from 10th July 1924.

ANNUAL FORM No. 70.

Forest Department, Madras Presidency.

Communications and Buildings during 1923-24.

District.	Roads (including bridge-paths and culverts).				Buildings.		Other works.		
	New works.		Repairs.		Cost of new works.	Cost of repairs.	Cost of new works.	Cost of repairs.	
	Length.	Cost.	Length.	Cost.					
<i>First Circle.</i>	M. F. CH.	RS.	M. F. CH.	RS.	RS.	RS.	RS.	RS.	
Ganjam ..	3 0 0	444	43 4 0	1,420	4,113	4,092	..	16	
Vizagapatam ..	5 0 0	1,440	0 3 0	27	395	386	53	..	
Godavari, Upper ..	2 7 8	607	4 7 8	639	1,351	1,739	299	5	
Do. Lower ..	..	(b) 163	30 6 0	1,484	1,318	2,290	..	29	
Kistna ..	..	..	20 4 0	163	..	435	..	250	
Total ..	10 7 8	3,113	100 0 8	3,728	7,177	10,938	352	250	
<i>Second Circle.</i>									
Bellary ..	..	..	..	..	659	310	..	53	
Anantapur ..	..	..	..	..	..	723	..	4	
Guntur ..	7 0 0	350	5 3 0	715	444	1,268	315	25	
Kurnool, East ..	17 6 0	2,555	40 4 0	4,371	1,129	1,446	575	270	
Do. South ..	..	..	70 0 0	2,973	324	1,709	..	227	
Do. West ..	6 0 0	345	14 5 0	3,019	1,038	2,532	262	15	
Total ..	30 6 0	3,250	130 4 0	14,878	3,594	12,777	1,152	594	
<i>Third Circle.</i>									
Cuddapah, North ..	12 6 0	129	17 4 0	564	1,190	2,163	143	326	
Do. South ..	0 2 5	125	27 7 5	1,426	2,815	601	..	512	
Do. West ..	0 0 7	284	11 6 0	791	1,017	1,374	934	166	
Nellore ..	..	..	6 1 4	32	2,300	356	324	20	
Chingleput ..	0 3 0	70	12 1 5	1,013	3,124	2,137	..	44	
Chittoor ..	0 1 0	50	40 7 0	3,635	982	1,271	968	25	
Vellore, North ..	..	..	19 3 0	2,034	632	1,140	..	40	
Total ..	13 5 2	658	135 6 4	9,495	12,060	15,558	2,369	1,133	

Note for First Circle.

- (a) Cost of establishment.
 (b) Compensation for land taken for road constructed in the previous year.
 (c) Deducted to agree with the Accountant-General's figure.
 (d) Represents cost of establishment of the buildings.
 (e) Represents contribution to Local Fund Department for maintenance of Mantralakanama Road.

Note for Second Circle.

- (e) Represents annual contribution to the District Board, Kurnool, for the maintenance of Raoharla-Garladinne famine road in Owk Range and Nandikanama Ghat Road in Chelama Range.
 (d) Represents contribution to the District Board for upkeep of Mantralakanama Ghat Road.

Note for Third Circle.—(a) Cost of establishment.

Communications and Buildings during 1923-24—cont.

District.	Roads (including bridle-paths and culverts).				Buildings.		Other works.		
	New works.		Repairs.		Cost of new works.	Cost of repairs.	Cost of new works.	Cost of repairs.	
	Length.	Cost.	Length.	Cost.					
<i>Fourth Circle.</i>	M. F. CH.	RS.	M. F. CH.	RS.	RS.	RS.	RS.	RS.	
Direction ..	10 7 0	2,821	..	..	..	22	..	..	
Forest Engineer ..	..	(a)-213	..	..	..	..	..	..	
Vellore, South ..	2 5 0	363	33 7 0	2,503	3,573	2,467	912	253	
Do. West ..	8 4 0	102	33 7 0	2,915	3,051	1,601	105	85	
Salem, East ..	..	..	15 2 0	177	..	2,005	..	80	
Do. North ..	0 6 0	162	23 6 0	492	315	1,006	..	270	
Do. Central ..	1 3 4	2	29 2 0	1,502	..	1,598	..	28	
Do. South ..	1 6 0	650	59 2 0	1,481	768	2,407	..	4	
Tanjore ..	..	..	..	..	..	169	..	..	
Total ..	25 7 4	3,897	195 2 0	9,074	7,707	11,275	1,017	720	
<i>Fifth Circle.</i>									
Kollegal ..	2 0 0	24	69 4 0	869	250	459	50	23	
Coimbatore, North ..	..	..	98 0 0	3,301	..	197	..	71	
Do. South ..	0 2 0	740	48 3 0	12,823	1,038	2,566	495	106	
Madura ..	..	(c) 852	240 6 0	9,203	64	348	153	210	
Tinnevely ..	0 4 0	(d) 939	9 0 0	3,340	1,268	2,790	..	2	
Forest Engineer ..	6 3 0	(e) 68,236	..	..	..	496	85	..	
Direction ..	(g) 14 4 0	3,455	..	..	5,148	617	..	..	
Total ..	23 5 0	74,681	465 5 0	30,207	7,768	12,849	783	412	

Note for Fourth Circle. { Note.—The amounts shown in column 7 include cost of establishments.
 (a) Added or subtracted to tally with the Accountant-General's audited figures.

Note for Fifth Circle. { (a) To tally with Accountant-General's figures.
 (b) Cost of establishment.
 (c) Rupees 608 incurred on the construction of a culvert on the Vannathiparai-Guruvanthu Road and Rs. 216 paid as compensation for the acquisition of lands for the construction of Pajadani-Usilampatty Road.
 (d) Includes cost of construction of one culvert and eight under-ground drains.
 (e) Expenditure on the construction of Mount Stuart Ghat Road.
 (f) Expenditure on the investigation of a trace to the felling coupes via Ulandi Road.
 (g) Alignment of inspection paths in Kodamady and Kannikatty ranges in the Tinnevely district.

Communications and Buildings during 1923-24—cont.

District.	Roads (including bridle-paths and culverts).				Buildings.		Other works.		
	New works.		Repairs.		Cost of new works.	Cost of repairs.	Cost of new works.	Cost of repairs.	
	Length.	Cost.	Length.	Cost.					
<i>Sixth Circle.</i>	M. F. CH.	RS.	M. F. CH.	RS.	RS.	RS.	RS.	RS.	
Mangalore, North .	8 3 0	325	21 3 0	1,219	9,151	{ (a) 386 } 120	973	10	
Do. South .	11 1 0	482	10 3 0	276	3,828	{ (a) 1,264 } 900	962	14	
Wynaad	(b) 5 0 0	6,011	167 5 0	3,198	1,429	{ (a) 230 } 1,767	139	89	
Nilambur	..	..	19 0 0	2,182	(f) 10,308	{ (a) 72 } (d) 2,479	..	10	
The Nilgiris ..	0 1 0	150	88 5 0	6,353	(e) 4,593	{ (a) 217 } (a) 1,288	..	20	
Palghat	(e) 55 3 0	4,472	70 2 0	2,001	4,274	{ (a) 160 } (a) 120	..	49	
Forest Research Officer.	..	..	..	..	..	{ (a) 11 }	..	..	
Total ..	60 0 0	11,444	377 2 0	15,229	33,583	9,023	2,074	192	
Exploitation Division.	(g) 4 5 7	11,040	14 0 0	11,618	..	644	..	..	
Grand total, Presidency	175 5 1	1,08,083	1,418 4 2	94,230	71,889	73,064	7,747	3,301	

Notes for Sixth Circle.

- (a) Cost of establishment.
 (b) Cost of metal collected, spreading and consolidating on the existing road from Sultan's Battery to Chedleth to a distance of nearly five miles.
 (c) Excludes cost of constructing the Madras Forest College huts at Bandyshola, Rs. 5,318.
 (d) Excludes cost of repairing the Madras Forest College huts at Aramby, Rs. 143.
 (e) Refers to inspection paths: of this length, ten miles two furlongs relate to alignment only.
 (f) Includes Rs. 7,231 on reconstruction necessitated by the Mappilla disturbance.
 (g) Drag paths and pole road.

ANNUAL FORM No. 71.

Forest Department, Madras Presidency.

Register of breaches of Forest Rules during 1923-24.

ANNUAL FORM No. 71.
Forest Department, Madras Presidency.
Register of breaches of Forest Rules during 1923-24.

District.	Cases pending from 1922-23.	New cases of the year.					Total cases.	Disposed of during the year.						Cases pending at close of year.
		Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year		Convictions.		Acquittals.		Cases.	Persons.	
								Cases.	Persons.	Cases.	Persons.			
<i>First Circle.</i>														
Ganjam { A .. { B .. { C ..	29	2	40	2	3	47	76	34	63	16	61	50	124	26
	91	2	415	19	1	437	528	374	1,633	29	186	403	1,768	125
	..	62	33	..	2	97	..	..	..	..	..	..	..	..
Total ..	120	66	488	21	6	581	604	408	1,696	45	196	453	1,892	151
Visaga- patam. { A .. { B .. { C ..	9	..	67	5	77	149	158	140	355	6	17	146	372	12
	34	1	269	32	15	317	351	315	903	14	65	329	968	22
	..	11	..	..	..	11	..	..	..	..	..	..	..	..
Total ..	43	12	336	37	92	477	509	455	1,258	20	82	475	1,340	34
Godavari, Upper. { A .. { B .. { C ..	8	..	11	2	3	16	24	19	49	1	7	20	56	4
	11	2	53	14	4	113	124	93	233	15	38	108	271	16
	..	23	4	..	..	27	..	..	..	..	..	..	..	..
Total ..	19	25	108	16	7	156	148	112	282	16	45	128	327	20
Godavari, Lower. { A .. { B .. { C ..	34	1	28	2	10	41	75	54	108	11	20	65	128	16
	50	1	339	68	82	490	540	450	908	21	58	471	966	59
	..	..	4	..	..	4	..	..	..	..	..	..	..	..
Total ..	84	2	371	70	92	535	615	504	1,016	32	78	536	1,094	79
Kistna { A .. { B .. { C ..	70	..	74	30	6	110	180	103	252	69	110	172	362	8
	54	..	357	209	43	609	663	510	1,172	91	193	601	1,365	62
	..	1	1	..	..	2	..	..	..	..	..	..	..	..
Total ..	124	1	432	239	49	721	843	613	1,424	160	303	773	1,727	70

ANNUAL REPORT OF THE

FOREST DEPARTMENT

Total, { A .. First Circle. { B .. { C ..	150 240 ..	3 6 97	220 1,473 42	41 342 ..	99 145 2	363 1,965 141	513 2,206 ..	827 4,849 ..	103 170 ..	215 489 ..	453 1,912 ..	1,042 5,338 ..
Grand total, First Circle.	390	106	1,735	383	246	2,470	2,719	5,676	273	704	2,365	6,380
Second Circle.												
Ballary { A .. { B .. { C ..	53 80 ..	2 1 61	92 218 3	82 168 1	4 17 ..	180 404 65	233 484 ..	196 944 ..	137 43 ..	436 132 ..	203 420 ..	632 1,076 ..
Total ..	133	64	313	251	21	649	717	1,140	180	568	623	1,708
Ananta- pur. { A .. { B .. { C ..	61 82 ..	.. 20 ..	168 479 26	50 166 ..	6 20 ..	224 665 46	285 747 ..	425 1,035 ..	18 78 ..	54 198 ..	192 626 ..	479 1,233 ..
Total ..	143	20	673	216	26	935	1,032	1,460	96	252	818	1,712
Guntur { A .. { B .. { C ..	112 229 ..	.. .. ..	292 739 53	366 476 ..	5 41 3	663 1,255 56	775 1,485 ..	886 3,315 ..	179 44 ..	638 215 ..	430 1,313 ..	1,524 3,530 ..
Total ..	341	..	1,084	842	49	1,975	2,260	4,201	223	853	1,743	5,054
Kurnool, West. { A .. { B .. { C ..	64 40 ..	1 2 7	194 277 19	44 151 ..	44 36 ..	283 465 26	347 606 ..	843 1,004 ..	26 54 ..	160 214 ..	306 469 ..	1,003 1,218 ..
Total ..	104	10	490	195	80	775	853	1,847	80	374	775	2,221
Kurnool, East. { A .. { B .. { C ..	17 29 ..	2 .. 54	47 259 26	29 85 ..	3 21 ..	81 365 80	98 394 ..	164 833 ..	12 21 ..	26 55 ..	81 287 ..	190 892 ..
Total ..	46	56	332	114	24	526	492	1,000	33	82	368	1,082

A = Cases taken to Court. B = Cases compounded. C = Cases undetected.
 Note.—The variations between the closing balance of last year and these figures are due to transfers from B to A.

Register of breaches of Forest Rules during 1923-24—*cont.*

Register of breaches of Forest Rules during 1923-24—*cont.*

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

ANNUAL REPORT OF THE

Register of breaches of Forest Rules during 1923-24—cont.

District.	Cases pending from 1922-23.	New cases of the year.					Total cases.	Disposed of during the year.				Cases pending at close of year.	
		Injury to forest by fire.	Unauthorized felling.	Unauthorized grazing.	Other offences.	Total new cases of the year.		Convictions.		Acquittals.			
								Cases.	Persons.	Cases.	Persons.		
<i>Fourth Circle—cont.</i>													
Vellore, West.	98	..	109	24	18	151	249	143	351	68	149	211	500
	18	..	381	95	28	504	522	402	752	47	85	449	837
	..	..	23	..	1	24	..	..	..	..	..	..	..
Total ..	(b) 116	..	513	119	47	679	771	545	1,103	115	234	660	1,337
Salem, East.	562	1	674	142	21	838	1,400	812	2,671	33	133	845	2,804
	724	1	1,162	243	8	1,414	2,138	1,401	2,986	67	247	1,468	3,233
	..	37	18	1	..	56	..	..	..	..	..	..	..
Total ..	1,286	39	1,854	386	29	2,308	3,538	2,213	5,657	110	380	2,313	6,037
Salem, North.	11	..	45	18	8	71	82	50	135	11	39	61	174
	50	1	368	98	14	481	531	418	721	44	117	462	838
	..	57	..	..	..	57	..	..	..	..	..	..	..
Total ..	61	58	413	116	22	609	613	468	856	55	156	623	1,012
Salem, Central.	430	..	573	108	18	699	1,129	710	1,690	10	39	830	2,296
	147	..	694	151	13	858	1,005	480	1,306	(a) 110	567	507	1,367
	..	58	..	..	10	68	..	..	..	27	61	..	..
Total ..	(b) 577	58	1,267	259	41	1,625	2,134	1,190	2,996	147	667	1,337	3,663

FOREST DEPARTMENT

Salem, South.	A ..	194	1	336	9	2	348	542	325	885	102	179	489	1,279	53
	B ..	843	..	1,681	224	26	1,931	2,774	2,200	5,309	(a) 62	215	2,231	5,475	543
	C ..	..	12	20	..	..	32	..	..	..	..	..	..	..	..
Total ..		1,037	13	2,037	283	28	2,311	3,316	2,525	6,194	195	560	2,720	6,754	596
Total, Fourth Circle.	A ..	1,661	2	2,212	385	74	2,673	4,334	2,568	6,704	484	1,609	3,052	8,313	1,282
	B ..	2,220	2	5,397	1,097	168	6,664	8,884	6,319	14,328	287	874	6,606	15,202	2,278
	C ..	..	214	108	1	11	334	..	..	..	..	..	..	..	..
Grand total, Fourth Circle.		3,881	218	7,717	1,483	253	9,671	13,218	8,887	21,032	771	2,488	9,658	23,515	3,560
<i>Reserved forests and unreserved lands.</i>															
Kollegal.	A ..	1	81	262	86	10	127	128	53	106	92	317	125	423	3
	B ..	21	181	..	70	21	273	294	191	425	47	172	238	597	56
	C ..	..	..	..	..	..	9	..	..	..	..	..	..	..	..
Total ..		22	262	106	106	31	409	422	224	531	139	489	368	1,020	59
Coimbatore, North.	A ..	26	97	..	9	8	114	140	112	418	2	8	114	426	26
	B ..	84	608	131	131	36	776	860	722	1,913	59	236	781	2,149	79
	C ..	..	8	..	9	..	68	..	..	..	..	..	..	..	..
Total ..		110	713	149	149	44	958	1,000	834	2,331	61	244	895	2,575	105
Coimbatore, South.	A ..	29	78	..	10	7	96	125	28	87	38	144	66	231	59
	B ..	33	145	..	18	4	168	201	157	399	14	33	171	482	30
	C ..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Total ..		62	224	..	28	11	265	326	185	486	52	177	237	663	89
Madura ..	A ..	910	919	..	224	17	1,160	2,070	974	3,654	343	981	1,317	4,635	753
	B ..	168	663	..	123	9	797	965	632	1,844	20	67	652	1,911	313
	C ..	..	29	..	..	..	213	..	..	..	..	..	..	..	..
Total ..		1,078	1,611	347	347	26	2,170	3,035	1,606	5,498	363	1,048	1,989	6,546	1,066

* The variations between the closing balances of last year and these figures are due to transfers between A and B.
 A = Cases taken to court. B = Cases compounded. C = Cases undetected.
 (a) Cases withdrawn. (b) Revised figures furnished by the District Forest Officers.

Area of forest tracts protected from fire during the Calendar year 1923.

District.	Forest tracts.	Area protected during the previous year.	During the year under report.			Cost during the year under report.
			Area attempted to be protected.	Fires.	Actually protected.	
	<i>First Circle.</i>	ACS.	ACS.	ACS.	ACS.	RS.
Ganjam ..	Special protection ..	43,377	18,604	807	47,797	2,844
	General do. ..	200,399	218,745	6,737	212,008	2,788
	Total ..	243,776	237,349	7,544	259,805	5,632
Vizagapatam.	Special protection ..	86,530	79,148	600	78,548	1,100
	General do. ..	47,446	58,045	376	58,160	143
	Total ..	133,976	137,193	976	136,717	1,243
Godavari, Upper.	Special protection ..	525,169	530,389	147,990	382,399	6,467
	General do. ..	..	..	..	..	..
	Total ..	525,169	530,389	147,990	382,399	6,467
Godavari, Lower.	Special protection ..	145,936	152,636	11,609	141,027	3,527
	General do. ..	80,702	82,568	628	81,940	* 193
	Total ..	226,638	235,204	12,237	222,967	541
Kistna ..	Special protection ..	13,987	43,807	60	43,757	460
	General do. ..	..	..	..	..	* 118
	Total ..	13,987	43,807	60	43,757	578
Total, First Circle.	Special protection ..	814,999	854,584	161,056	693,528	14,709
	General do. ..	360,276	359,858	7,741	352,117	3,472
	Grand total ..	1,175,275	1,214,442	168,797	1,045,645	18,181
	<i>Second Circle.</i>					
Bellary ..	Special protection ..	1,001	16,595	73	16,432	91
	General do. ..	276,822	237,358	11,955	225,403	..
	Total ..	277,823	253,953	12,028	241,835	91
Anantapur.	Special protection ..	125,991	133,194	130	133,064	442
	General do. ..	328,898	333,076	2,854	330,222	..
	Total ..	454,889	466,270	2,984	463,286	442
Guntur ..	Special protection ..	501,984	500,132	2,713	497,419	..
	General do. ..	..	..	..	..	..
	Total ..	501,984	500,132	2,713	497,419	..
Kurnool, East.	Special protection ..	320,554	474,527	17,113	457,414	..
	General protection ..	199,380	146,240	11,391	184,849	343
	Early burning ..	..	..	..	..	..
Kurnool, South.	Special protection ..	276,400	304,877	48,326	256,551	373
	General protection ..	160,346	188,178	3,373	184,805	462
	Early burning ..	..	..	..	..	..
	Total ..	436,746	493,055	51,699	441,356	835

* Added to tally with the Accountant-General's figure.

a of forest tracts protected from fire during the Calendar year 1923—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>Second Circle—cont.</i>	ACS.	ACS.	ACS.	ACS.	RS.
Kurnool, West.	Special protection ..	27,937	10,532	342	10,190	1,061
	General protection ..	9,838	9,868	..	9,868	..
	Early burning ..	348,003	359,348	600	358,748	616
Total, Second Circle.	Total ..	385,808	379,748	942	378,806	1,677
	Special protection ..	151,929	160,231	545	159,686	1,594
	General protection ..	1,714,526	1,859,838	82,961	1,776,877	373
Cuddapah, North.	Special protection ..	78,600	237,683	17,871	219,812	689
	General do. ..	141,138	142,061	4,497	137,564	..
	Total ..	219,738	379,744	22,368	357,376	689
Cuddapah, South.	Special protection ..	* 142,457	231,838	5	231,833	969
	General do. ..	38,357	44,941	..	44,941	..
	Total ..	180,814	276,779	5	276,774	969
Cuddapah, West.	Special protection ..	100,830	289,978	546	289,432	1,262
	General do. ..	199,999	116,621	2,789	113,832	..
	Total ..	300,829	406,599	3,335	403,264	1,262
Nellore ..	Special protection ..	144,359	149,853	900	148,953	1,517
	General do. ..	302,930	316,497	2	316,495	..
	Total ..	454,289	466,350	902	465,448	1,517
Chingleput.	Special protection ..	15,683	15,975	..	15,975	..
	General do. ..	112,488	111,449	..	111,449	..
	Total ..	128,171	127,424	..	127,424	..
Chittoor ..	Special protection ..	100,876	106,113	6,242	99,871	4,114
	General do. ..	396,299	420,658	4,155	416,503	..
	Total ..	497,175	526,771	10,397	516,374	4,114
Vellore, North.	Special protection ..	5,089	14,011	62	13,949	267
	General do. ..	247,676	274,323	3,350	270,973	..
	Total ..	252,764	288,334	3,412	284,922	267
Total, Third Circle.	Special protection ..	587,894	1,045,451	25,626	1,019,825	8,818
	General do. ..	1,445,886	1,426,550	14,793	1,411,757	..
	Grand total ..	2,033,780	2,472,001	40,419	2,431,582	8,818
	<i>Fourth Circle.</i>					
Vellore, South.	Special protection ..	94,261	100,998	195	100,803	872
	General do. ..	182,484	193,280	1,113	192,167	..
	Total ..	276,745	294,278	1,308	292,970	872
Vellore, West.	Special protection ..	83,858	103,423	535	102,888	270
	General do. ..	135,421	141,083	491	140,592	..
	Total ..	219,279	244,506	1,026	243,480	270

* Correct area furnished by the District Forest Officer.

Area of forest tracts protected from fire during the Calendar year 1923—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.
Salem, East.	Special protection ..	178,760	190,417	45	190,372	1,164
	General do. ..	143,707	145,836	149	145,687	..
	Total ..	322,467	336,253	194	336,059	1,164
Salem, North.	Special protection ..	71,863	72,845	2,483	70,362	822
	General do. ..	197,109	260,948	4,033	256,915	..
	Total ..	268,972	333,793	6,516	327,277	822
Salem, Central.	Special protection ..	105,018	108,435	695	107,740	1,204
	General do. ..	136,343	146,022	184	144,838	..
	Total ..	241,361	253,457	879	252,578	1,204
Salem, South.	Special protection ..	114,805	116,087	511	115,576	865
	General do. ..	103,850	106,173	6	106,167	..
	Total ..	218,655	222,260	517	221,743	865
Total, Fourth Circle.	Special protection ..	648,565	692,705	4,464	687,741	5,197
	General do. ..	898,914	992,342	5,976	986,366	..
	Grand total ..	1,547,479	1,684,547	10,440	1,674,107	5,197
	<i>Fifth Circle.</i>					
Kollegal ..	Special protection ..	1,201	1,744	52	1,692	154
	General do. ..	559,272	596,912	1,005	595,937	363
	Total ..	560,473	598,656	1,057	597,629	517
Coimbatore North.	Special protection ..	2,073	2,073	..	2,073	345
	General do. ..	503,082	491,552	3,065	488,487	1,732
	Total ..	505,155	493,625	3,065	490,560	2,077
Coimbatore, South.	Special protection ..	46,350	47,350	3	47,347	188
	General do. ..	199,949	200,216	890	199,326	..
	Total ..	246,299	247,566	893	246,673	188
Madura ..	Special protection ..	146,416	155,122	3,795	151,327	3,041
	General do. ..	258,189	267,408	3,091	264,312	..
	Total ..	404,605	422,525	6,886	415,639	3,041
Tinnevely	Special protection ..	32,822	35,688	9,159	26,529	1,557
	General do. ..	200,209	206,712	6,379	200,334	..
	Total ..	233,031	242,400	15,538	226,863	1,557
Total, Fifth Circle	Special protection ..	228,862	241,977	13,009	228,968	5,285
	General do. ..	1,720,701	1,762,825	14,430	1,748,396	2,095
	Grand total ..	1,949,563	2,004,802	27,439	1,977,364	7,380

Area of forest tracts protected from fire during the Calendar year 1923—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.</i>	ACS.	ACS.	ACS.	ACS.	RS.
Mangalore, North.	Special protection ..	32,678	18,434	4	18,430	899
	General do. ..	197,078	211,468	618	210,850	1,340
	Total ..	229,756	229,902	622	229,280	2,239
Mangalore, South.	Special protection ..	262,617	280,888	594	280,294	2,710
	General do. ..	16,604	*	*	*	*
	Total ..	278,681	280,888	594	280,294	2,710
Wynaad ..	Special protection ..	143,054	139,541	..	139,541	1,996
Nilambur ..	Special protection ..	32,763	82,859	45	82,814	4,164
Palghat ..	Special protection ..	125,949	126,229	156	126,073	4,630
	General do. ..	42,289	41,849	23	41,876	..
	Total ..	168,238	168,128	179	167,949	4,630
The Nil-giris.	Special protection ..	76,657	76,657	5	76,652	2,702
	General do. ..	240,171	242,616	251	242,365	..
	Total ..	316,828	319,273	256	319,017	2,702
Total, Sixth Circle.	Special protection ..	673,718	724,608	804	723,804	17,101
	General do. ..	49,5602	495,983	892	495,091	1,340
	Grand total ..	1,169,320	1,220,591	1,696	1,218,895	18,441
Total, Presidency.	Special protection ..	3,108,967	3,719,056	265,504	3,513,552	52,704
	General do. ..	6,635,905	6,897,396	126,793	6,770,604	7,230
	Early burning ..	707,729	693,766	15,364	678,402	1,421
	Grand total, Presidency	10,452,601	11,310,218	347,661	10,962,558	61,405

* Shown under special protection.

ANNUAL FORM No. 73.

Forest Department, Madras Presidency.

Area closed and open to grazing during 1923-24.

District.	Closed to all animals.		Open to grazing			
			Of all animals except goats.		Of all animals except browsers (sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
FIRST CIRCLE.						
<i>Reserved forests.</i>	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Ganjām	92	..	533	..	..	..
Vizagapatam ..	15	..	284	..	9	..
Godāvari, Upper ..	1	..	829	..	..	..
Do. Lower ..	43	..	444	..	..	..
Kistna	35	19	210	..	..	..
Total ..	186	19	2,300	..	9	..
<i>Reserved lands.</i>						
Vizagapatam	..	..	2	..	..	..
Kistna	..	..	1	..	..	..
Total ..	..	..	3	..	..	..
SECOND CIRCLE.						
<i>Reserved forests.</i>						
Bellary	44	..	518	..	..	..
Anantapur	20	41	668	..	..	..
Guntūr	65	..	443	..	273	..
Kurnool, East ..	300	..	670	..	..	..
Do. South ..	379	..	388	3	..	..
Do. West ..	227	..	612	..	..	..
Total ..	1,035	41	3,299	3	273	..
THIRD CIRCLE.						
<i>Reserved forests.</i>						
Cuddapah, North ..	82	..	514	..	..	..
Do. South ..	77	..	385	..	..	..
Do. West ..	63	..	683	..	..	..
Nellore	179	499	39	..	..	..
Chingleput	67	127	15	..	..	..
Chittoor	133	..	690	..	..	..
Vellore, North ..	56	8	386	..	..	..
Total ..	647	634	2,712	..	..	..
<i>Reserved lands.</i>						
Cuddapah, North ..	..	..	1	..	..	..
Nellore	11	..	..	..	..	..
Total ..	11	..	1	..	..	..

Area closed and open to grazing during 1923-24—cont.

District.	Closed to all animals.		Open to grazing			
			Of all animals except goats.		Of all animals except browsers (sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
FOURTH CIRCLE.						
<i>Reserved forests.</i>	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.	SQ. MLS.
Vellore, South ..	26	..	454	..	..	..
Do. West ..	13	..	369	..	..	..
Salem, East ..	81	12	469	12	..	..
Do. North ..	45	..	477	..	..	..
Do. Central ..	21	4	379	..	..	..
Do. South ..	4	3	307	33	..	..
Total ..	190	19	2,455	45	..	..
<i>Reserved lands.</i>						
Vellore, South ..	(a) ..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..
Salem, East ..	..	..	12	..	..	..
Do. North ..	..	..	..	..	..	..
Do. Central ..	6	..	6	..	..	..
Do. South ..	..	..	27	..	..	..
Total ..	6	..	45	..	..	..
FIFTH CIRCLE.						
<i>Reserved forests.</i>						
Kollegal	2	1	938	..	..	..
Coimbatore, North ..	87	..	684	..	..	..
Do. South ..	226	..	227	..	..	..
Madura	107	..	243	..	310	..
Tinnevely	248	..	178	..	..	..
Total ..	670	1	2,270	..	310	..
SIXTH CIRCLE.						
<i>Reserved forests.</i>						
Mangalore, North ..	11	..	348	..	..	..
Do. South ..	10	..	429	..	..	..
Wynaad	..	..	..	..	263	..
Nilambur	108	..	..	..	..	..
The Nilgiris	23	..	389	..	..	..
Palghat	165	..	98	..	..	..
Total ..	317	..	1,264	..	263	..
<i>Reserved lands.</i>						
Nilambur	19	..	..	..	..	..
The Nilgiris	10	..	77	..	..	..
Total ..	29	..	77	..	..	..
	346	..	1,341	..	263	..
Grand total, Presidency.	3,091	840	14,300	48	855	..

(a) Area less than a square mile.

NOTE.—About six square miles of reserved forest in Central Salem division has been leased out for cultivation and excluded from this return.

ANNUAL FORM No. 74.

Forest Department, Madras Presidency.

Return of grazing in the State forests during 1923-24.

District.	At enhanced or special rates.					At full rates.					Fees received. (11)
	Buttaloes. (2)	Cows and bullocks. (3)	Goats and sheep. (4)	Other animals. (5)	Fees received. (6)	Buttaloes. (7)	Cows and bullocks. (8)	Goats and sheep. (9)	Other animals. (10)		
(i)											
FIRST CIRCLE.					Rs.					Rs.	
Reserved forests.					..	(a) 7,422	(a) 35,450	(a) S 278	{	9,456	
Ganjām ..	..	..	..	..	3,776	(a) 17	(a) 4,690	..	..	24	
Vizagapatam ..	(b) 408	(2) 6,397	(2) S 678	..	..	..	..	..	..	886	
Godavari, Upper.	..	..	..	..	1,232	(e) 8,204	(e) 6,503	..	..	5,727	
Do. Lower.	(d) 1,347	(d) 590	..	..	7,115	(a) 5,917	(a) 18,114	S 14,719	..	10	
Kistna ..	(d) 802	{ (d) 5,199 } { (e) 3,468 }	(d) S 5,843	..	..	..	..	..	..	2	
					12,123	21,560	64,757	S 14,997	..	6,925	
					..				{	1,450	
					..				{	227	
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ANNUAL REPORT OF THE

Return of grazing in the State forests during 1923-24—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.						Full rates.	Full rates.
	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.		Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Value at full rates.	Buttaloos.	Cows and bullocks.	Goats and sheep.	Other animals.	Value at full rates.	Buttaloos.	Goats and sheep.		
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
FIRST CIRCLE.																				
<i>Reserved forests.</i>																				
Ganjām ..	..	..	..	..	..	..	(a) 385	..	..	706	240	(a) 1,010	..	..	279	985	10,441	..	..	..
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	{ (a) 4,078 (b) 153 }	..	..	{ 765 77 }	765	24	..	..	..
Godavari, Upper.	(c) 5,715	(c) 41,701	(c) S 8,694	..	7,185	..	..	..	..	..	(a) 4,192	(a) 37,408	(a) S 36	..	8,589	8,589	5,504	..	..	..
Do. Lower.	{ (e) 1,191 (f) 588 }	{ (e) 13,130 (f) 13,314 }	..	..	1,939	..	..	..	..	..	(e) 905	(e) 9,524	..	..	2,883	2,883	19,366	..	..	..
Kistna ..	..	..	..	..	869	..	..	..	..	..	..	..	..	..	..	..	17,342	..	..	..
					..	..	..	..	..	..	..	..	..	..	..	..	10	..	..	..
					..	..	..	..	..	..	..	..	..	..	..	..	14,110	..	..	..
					..	..	..	..	..	..	..	..	..	..	..	..	227	..	..	..
					..	..	..	..	..	..	..	..	..	..	..	..	205	..	..	..
Total ..	7,194	68,145	S 8,694	..	9,993	18,277	385	2,993	..	706	5,337	52,273	..	..	12,598	13,299	66,763	..	..	..
					..	..	..	..	..	..	..	..	..	..	..	..	261	..	..	..
					..	..	..	..	..	..	..	..	..	..	..	..	1,450	..	..	..
					..	..	..	..	..	..	..	..	..	..	..	..	205	..	..	..

I-6

FOREST DEPARTMENT

Note for First Circle. — S = Sheep.

† Penning fees.

‡ Revenue from forests handed over to panchayat management.

§ Sale-proceeds of mangrove leaves.

|| Sale-proceeds of fodder grass.

(a) Six annas per buffalo, 3 annas per cow or bullock and 1 anna and 6 pies per sheep.

(b) One rupee per buffalo, 8 annas per cow or bullock and 4 annas per sheep.

(c) The privileged rates are 4 annas per buffalo, 2 annas per cow or bullock and 1 anna per sheep.

(d) Twelve annas per buffalo, 6 annas per cow or bullock and 3 annas per sheep.

(e) One rupee per buffalo, 8 annas per cow or bullock and 4 annas per sheep.

(f) One anna per buffalo and 1 anna per cow or bullock.

(g) One rupee per plough bull.

Return of grazing in the State forests during 1923-24—*cont.*

District.	At enhanced or special rates.					At full rates.				
	Buttaloos (2)	Cows and bullocks. (3)	Goats and sheep. (4)	Other animals. (5)	Rees received. (6)	Buttaloos. (7)	Cows and bullocks. (8)	Goats and sheep. (9)	Other animals. (10)	Rees received. (11)
First Circle					rs.					rs.
Unreserved lands.										
Ganjam ..	..	..	..	..	..	(a) 7,508	(a) 7,419	..	..	5,609
Godavari, Lower.	..	..	..	..	..	(a) 590	(a) 168	100	..	951
Kistna ..	..	..	..	..	..	8,098	7,585	100	..	262
Total ..	..	..	..	..	..	29,658	72,342	15,097	..	50
Grand Total ..	2,557	15,654	8,651	..	12,123	4,801	31,906	71,113	..	5,871
Second Circle.										
Bellary ..	336	1,703	3,278	..	(a) 4,212	..	..	..	..	1,003
..	276	1,833	790	..	(b) 1,140	..	..	..	..	28,935
..	1,409	44,342	71,792	..	(c) 41,528	..	..	..	..	1,450
..	11,098	67,327	105,188	..	(d) 71,059	235	4,741	..	..	1,264
..	1,864	3,807	25,998	..	(e) 5,008	..	..	..	..	205
..	3,090	18,999	32,313	..	(f) 19,895	..	..	..	..	2
..	1,194	28,781	23,537	..	(g) 26,119	..	..	..	..	..
..	2,601	16,897	186	..	(h) 16,284	..	..	..	..	..
..	..	2,574	10	..	(i) 2,643	..	..	..	..	..
..	..	6,516	44,940	..	(j) 6,598	..	..	..	..	..
..	7,078	30,177	307,982	..	(k) 31,632	5,036	36,647	71,113	..	14,691
Total ..	29,084	2,16,905	307,982	..	226,117	..	..	..	..	..

Note for Second Circle—

(a)	Buffaloes, Rs. 2, cows Re. 1 and sheep 8 annas.
(c)	Buffaloes, Re. 1, cows 8 annas and sheep 4 annas.
(c)	Buffaloes, 8 annas, cows 4 annas and sheep 2 annas.

(d) Buffaloes, 12 annas, cows 8 annas and sheep 4 annas.
 (e) Buffaloes 6 annas, cows 3 annas and sheep 1 anna 6 pies.
 (f) Penning fees.

Return of grazing in the State forests during 1923--24—*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.		Total value of fees at full rates.	Grand total of value at full rates.			
	Buttaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Fees received.		Buttaloes.	Cows and bullocks.	Goats and sheep.	Other animals.	Value of fees at full rates.	Buttaloes.	Cows and bullocks.	Goats and sheep.			Other animals.	Value of fees at full rates.	
					Actual.	Value at full rates.													
	(12)	(13)	(14)	(15)	(16)	(17)		(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
FIRST CIRCLE					RS.	RS.						RS.					RS.		
—cont.																			
Unreserved lands.																			
Ganjam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,609
Godavari, Lower.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	951
Kistna ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	262
Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50
																			5,871
																			1,003
Grand Total ..	7,494	68,145	S 8,694	..	9,993	18,277	385	2,993	..	..	706	5,337	52,273	S 36	12,593	13,290	72,634	2	72,634
																		2	1,264
																		2	1,264
																		2	1,450
																		2	1,450
																		2	1,450
SECOND CIRCLE.																			206
Bellary ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	19,802
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	50,244
Guntur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	76,308
Kurnool, East.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49,520
Do. South.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18,955
Do. West.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	38,609
Total ..	..	..	..	..	..	..	273	533	2,062	..	1,566	1,832	15,108	217	11,164	12,730	2,53,638		2,53,638

Note for First Circle.—B=Sheep.

Note for First Circle.—S=Sheep. † P
§ Sale-proceeds of mangrove leaves.

Note for First Circle.—S=Sheep. † Penning fees.
§ Sale-proceeds of mangrove leaves. (a)
Note for second Circle.—cont.

† Revenue
Six annas per bu
per buffalo and 4

e from forest handed over to
buffaloe, 3 annas per cow or
annas per cow or bullock.

o panchayat manangement.

|| Sale proceeds per sheep.

(c) Eight annas

(g) No free permits were issued to find out correctly the number of animals allowed to graze free. However these figures have been arrived at by deducting the number of cattle for which permits were taken prior to 1st September 1923 from the average number of animals licensed to graze on payment in the preceding five years.

State forests during 1923-24—cont.

	Number of animals.						Grazing free—Number of animals.								Grand total of value at full rates.			
	At privileged rates.*						During pleasure of Government or otherwise than under settlement.											
	Fees received.						By right 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.	
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	
FOURTH CIRCLE—cont.																		
..	(a) 10,926	..	..	RS. 5,463	RS. 5,463	..	..	..	..	..	..	..	..	..	..	..	..	
(b) 68	5,046	1,307	..	(c) 5,836	5,836	..	..	..	..	..	..	..	..	..	..	..	..	
(d) 3,192	(d) 15,860	(d) 1,728	..	(e) 4,333	11,554	..	..	..	..	..	..	..	..	..	..	..	..	
..	..	..	..	(e) 287	287	..	..	..	..	..	..	..	..	..	..	..	..	
..	1,960	..	..	(f) 735	1,960	..	..	..	..	..	..	..	..	..	..	..	..	
..	14,632	..	..	(f) 2,781	7,416	..	..	..	..	..	..	..	..	..	..	..	..	
..	(g) 460	..	..	173	230	..	..	..	..	..	..	..	..	..	..	..	..	
(d) 973	(d) 6,376	(d) 973	..	1,651	4,404	..	..	..	..	..	..	..	..	..	..	..	..	
..	(m) 1,139	1,684	..	371	990	..	..	..	..	..	..	..	..	..	..	..	..	
..	(h) 852	..	8	213	416	..	..	..	..	..	..	..	..	..	..	..	..	
(i) 23	186	..	..	39	118	..	..	..	..	..	..	..	..	..	..	..	..	
..	1,717	..	..	(f) 322	858	..	..	..	..	..	..	..	..	..	..	..	31,997	
Vellore, South.																		
Do. West.																		

Notes for Fourth Circle—cont.

- (a) 8 annas per cow unit.
 (b) 1 rupee per cow unit.
 (c) Collection was made at full rate and this amount will be refunded if protection is perfect.
 (d) Javadi hill cattle at 3 annas per cow unit to be refunded if protection is perfect.
 (e) Part adjustment of grazing deposit for Javadi cattle for 1921-22.
 (f) Actual collection.
 (g) 6 annas per cow unit.
 (h) 4 annas per cow unit.
 (i) 6 annas per cow unit to be refunded if protection is perfect.
 (j) Collection from panchayatdars credited to V (b) and excluded from grand total in column 16 to tally with the Accountant-General's figures.
 (k) 9 annas per cow unit.

Return of grazing in the State forests during 1923-24—cont.

District.	Grazing on payment—Number of animals—cont.									
	At enhanced or special rates.					At full rates.				
(1)	Buffaloes	Cows and bullocks	Goats and sheep	Other animals	Fees received.	Buffaloes	Cows and bullocks	Goats and sheep	Other animals	Fees received.
FOURTH CIRCLE—cont.										
Salem, South ..	(b) 11	1,084	63	..	Rs. 1,138	(g) 181	6,797	2,612	2	Rs. 2,664
Tanjore ..	..	..	..	..	..	..	..	..	..	16,821
Total ..	11	1,084	63	..	1,138	..	..	..	..	(u) 280
FIFTH CIRCLE.										141
Kollegal ..	(a) 3,840	89,689	S (a) 2,761	..	49,375	..	..	..	..	..
Coimbatore, North.	(a) 3,246	63,369	S (a) 20,570	..	40,073	..	..	..	..	..
Coimbatore, South.	..	1,167	S (b) 156	..	1,245	..	..	..	..	..
Madura ..	(a) 35	4,875	S (a) 146	..	2,509	(a) 346	3,450	..	..	2,071
Tinnevely ..	(c) 69	3,662	S (c) 3,250	(d) 5	1,357	(b) 8	190	..	..	206
Total ..	(a) 631	12,989	S (f) 28	..	18,347	..	..	..	..	..
	7,821	199,968	41,208	5	1,23,463	513	5,723	8,293	..	1,228
										3,505

(u) Fees collected for 100 grass permits at 6 pies each.

(v) Grazing lease amount for unreserved land in Trichinopoly taluk.

S=Sheep.

Full rates.—As. 6 per buffalo, As. 3 per cow or bullock and As. 1½ per sheep.

Notes for Fifth Circle.—

(a) Re. 1 per buffalo, As. 8 per cow or bullock and As. 4 per sheep. (d) As. 4 per other animal.

(b) Re. 2 per buffalo, Re. 1 per cow or bullock and As. 8 per sheep. (e) As. 10 per cow or bullock.

(c) As. 8 per buffalo, As. 4 per cow or bullock and As. 2 per sheep. (f) As. 12 per cow or bullock.

* Related to the Forest village system.

Return of grazing in the State forests during 1923-24—cont.

District.	Grazing on payment—Number of animals—cont.									
	At privileged rates.					Grazing free—Number of animals.				
	By right under settlement.					During pleasure of Government or otherwise than under settlement.				
	Buffaloes	Cows and bullocks	Goats and sheep	Other animals	Fees received.	Buffaloes	Cows and bullocks	Goats and sheep	Other animals	Fees received.
(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
FOURTH CIRCLE—cont.										
Salem, East ..	(m) 22	1,293	..	..	Rs. 251	..	..	..	..	..
Do. North ..	..	3,994	..	..	660	..	..	..	..	..
Do. Central.	..	1,680	..	..	762	..	..	..	..	..
Do. South ..	..	999	..	..	1,778	..	..	..	..	..
Tanjore ..	..	4,307	..	..	4,307	..	..	..	..	..
Total ..	4,728	118,693	5,700	..	8,825	14	332	58	..	73
FIFTH CIRCLE—cont.										
Kollegal ..	..	..	..	..	..	..	..	..	..	..
Coimbatore, North.	(g) 2	18	..	3	11	..	..	..	..	..
Coimbatore, South.	..	..	..	..	..	..	..	..	..	..
Madura ..	..	..	..	..	..	..	..	..	..	..
Tinnevely ..	..	..	..	..	..	..	..	..	..	..
Total ..	2	18	..	3	11	..	..	..	..	..

(m) Rs. 659-14-0 was actually collected for grazing 5,279 cow units at 2 annas per cow unit under Chitteri hill village system. Of this amount Rs. 642-3-0 was refunded for good protection. Hence 1,285 cow units are shown as grazed free in column 24.

(n) Rs. 762 was actually collected for grazing 4,293 cow units in Attur—Kalluvans at 3 annas per cow unit under the hill village system. Of this amount Rs. 490 was refunded for good protection. Hence 2,613 cow units are shown as grazed free in column 24.

(o) Panchayat grazing fee for certain reserves in Harur Range. The number of cow units was arrived at by converting at 9 annas per cow unit the prevailing rate in that Range. (p) Panchayat grazing fee for certain reserves and unreserved in Kalluvans Range. The number of cow units was arrived at by converting at Re. 1 per head the prevailing rate in that Range. (q) 8 annas a cow, 12 annas a buffalo and 3 annas a sheep.

(r) Panchayat assessment for class V forests. The number of cow units was arrived at by converting at 3 annas per cow unit. (s) Total of columns 6, 11 and 16 will give Accountant-General's figure.

(t) As. 4 per buffalo and As. 2 per cow or bullock.

FOREST DEPARTMENT

Return of grazing in the State forests during 1923-24—*cont.*

Note for Sixth Circle—

(a) Buffalo As. 10, cow or bullock As. 6.
(b) Cattle admitted to Kulkunda cattle fair at As. 2 per head.
(c) Buffalo Re. 1, cow or bullock As. 8, sheep As. 4.
(d) No grazing allowed in the district.

* Calves—half rate.

(e) Slaughter cows As. 3 per 50 per day, sheep As. 1½ per 50 per day.
(f) Buffalo Re. 2, cow or bullock Re. 1, sheep As. 8.
(g) Buffalo As. 6, cow or bullock As. 3, sheep As. 1½.
(h) Ranchayat grazing fees.

• Calves—half rate.

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

Circle	Buffaloes.	Bullocks and cows.	Sheep.	Other animals.	Total.
First Circle	32,709	156,141	30,312	..	226,162
Second "	34,120	253,552	379,095	..	666,767
Third "	9,345	186,867	194,400	..	390,612
Fourth "	7,312	360,561	88,896	2	451,771
Fifth "	8,336	205,652	49,501	5	263,494
Sixth "	18,185	92,491	32,288	..	142,964
Grand total ..	117,007	1,255,264	769,492	7	2,141,770

ANNUAL FORM No. 75-A.

Forest Department, Madras Presidency.

Progress in reproduction and afforestation under working plans or schemes during the forest year 1923-24.

ANNUAL FORM NO. 75-A.
Forest Department, Madras Presidency.
Progress in reproduction and afforestation under working plans or schemes during the forest year 1923-24.

(1) Division.	(2) Working circle and block.	(3) Period.	(4) Area to be regenerated during period.	(5) Method of treatment.	Area on which regeneration was in progress at commencement of year 1st April 1923.				Area on which regeneration is still in progress at close of year 31st March 1924.				Expenditure during the year.		Expenditure commencement of period.	
					ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	Creation.	Upkeep.	Creation.	Upkeep.
Gangaim.	First Circle.	YEARS.	ACS.													
	Plains Sal Timber Working Circle.	1919-20 to 1924-25.	2,506	Clear felling and natural regeneration.	Nil.	163	702	163	865	Nil.	568	653	RS. 594	RS. 435	RS. 3,480	RS. 2,463
	Ravine Working Circle ..	1920-21 to 1939-40.	2,605	Do.	Nil.	Nil.	255	..	255	..	568	..	..	..	3,038	970
	New Casuarina Plantation, Kandikuppa Reserve.	10 years from 1923-24.	568	Do.	..	20	..	..	..	..	568	491	..	..	491	..
Goddavari, Lower.	Total ..	..	5,679	..	..	183	957	163	1,120	568	1,144	1,029	7,009	..	7,009	3,433
	Second Circle.	..	..	..	..	15	..	..	..	15	..	..	..	..	..	..
Bellary, Kurnool, West.	Kurnool South, Guntur and Kurnool, East—Nil.	10 years from 1921-22.	15 acres operation repeated	A modification under the sanction according to the working scheme, viz., ploughing whole area, sowing in lines 20 feet apart forest species intervening spaces occupied by field crops. Lines of forest species are mulched to a width of 2 feet on either side of seedlings.	15	15	..	..	..	15	..	..	86	40	0	191
	Weldurti Interim Working Plan.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anantapur, Kurnool, West.	in this 15 acres from 1921-22. Success not yet attained due to scanty rainfall.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Amagondapalayam R.F. 1923-24. compartments I and II.	..	2 2 each.	Dibbling of seeds under the shade of post plants.	13 2 each.	Nil.	26	..	26	26	..	..	74	158	6 6	(a) 74

(1) Division.	(2) Working circle and block.	(3) Period.	(4) Area to be regenerated during period.	(5) Method of treatment.	Area on which regeneration was in progress at commencement of year 1st April 1923.				Area on which regeneration is still in progress at close of year 31st March 1924.				Expenditure during the year.		Expenditure commencement of period.	
					ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	ACS.	Creation.	Upkeep.	Creation.	Upkeep.
Anantapur—	Penkonda R.F. compartments I and II.	Do.	1 2	Do.	3 each	2 each	Nil.	77	15	62	..	..	..	..	..	..
	Gundumala R.F. compartments I and II.	Do.	1 2	Do.	4 each	2 each	Nil.	8	8	8	..	..	..	..	..	..
	Madakasira R.F. compartments I and II.	Do.	1 2	Do.	4 each	2 each	Nil.	8	8	8	..	..	..	..	..	..
	Ratnagiri R.F. compartments I and II.	Do.	1 2	Do.	7 each	2 each	Nil.	14	14	14	..	..	..	..	..	..
South Vellore.	Total ..	..	42	..	..	..	..	62	62	62	..	..	..	..	..	..
	7th Circle.	1923-24.	Not specified.	Broadcast sowing and collection of seeds red sanders.	Nil.	5	Nil.	5	(a) 5	Nil.	..	37	..	..	37	..
	Regimanipenta, Ganganapalle Idupulapaya.	Do.	Do.	Filling up blanks in felled area.	..	107	533	107	(b) 640	..	..	32	..	..	23,917	1,39,198
	The Palar Plantations ..	..	..	..	..	112	533	112	112	..	..	64	..	..	23,954	1,39,198
North Vellore.	Total ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Fourth Circle.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Polar Range ..	20	1,458	Sowing and dibbling of seeds	1,284	151	1,284	151	1,435	..	..	Free of cost.	..	..	..	..
	Attur Range Working Plan ..	20	1,810	Tending and sowing	1,331	102	1,331	102	1,433	..	..	Do.	..	..	212	67
East Salem.	Ponnar Working Circle.	30	Nil.	Nil.	87	..	87	..	87	..	..	..	..	..	68	..
	Elavambadi Working Circle ..	30	Nil.	Nil.	83	..	83	..	83	..	..	..	..	..	35	..
	Harur Working Circle ..	30	Felling operations stopped.	Sowing and dibbling of seeds.	1,779	443	1,779	443	2,222	..	..	Free of cost.	..	..	1,325	5
	Chitteri North Working Circle.	30	Nil.	Nil.	331	5	331	5	336	..	..	Do.	..	..	46	56
East Salem.	Chitteri South-west Working Circle.	25	Nil.	Nil.	180	..	180	..	180	..	..	Do.	..	..	94	94
	Chitteri Sandal Working Circle.	5	2,800	Tending and sowing of seeds.	611	..	611	..	611	..	..	..	..	..	141	231
	Kottapatti Sandal Working Circle.	5	Nil.	Nil.	975	12	975	12	987	..	..	Free of cost.	..	..	97	339
	Tirukolur Range Working Circle.	30	205	Sowing with seeds of avaram, etc., in felled coupes for two years in succession.	..	221	..	..	221	..	..	Do.	..	..	..	..
Total ..	..	..	6,298	..	..	..	..	..	..	..	..	..	..	..	2,607	792

* The results of work done and exhibited are not covered by either a working plan or a working scheme except what has been done in the Velduty reserve. The remainder shown in 18-B statement is suggested from year to year and approved by Conservator.

Note for Second Circle. { (a) No new plots were opened out during the year but only plots 6 to 13 were redibbled.

Note for Third Circle .. (b) No new plots were dibbled as the season was unfavourable. (c) Of this sowing in 505 acres was a failure.

† Whole area excluded as per Form No. 75 (sowings in sandal coupes). Hence excluded from circle total.

Progress in reproduction and afforestation under working plans or schemes during the forest year 1923-24—cont.

(1) Division.	(2)	(3) Period.	(4) Area to be regenerated during period.	(5) Method of treatment.	(6) Area in which regeneration was in progress at commencement of year let April 1923.	(7) Area on which regeneration commenced during the year, let April 1923 to 31st March 1924.	Area on which regeneration is complete.				(11) Area on which regeneration is still in progress at close of year, 31st March 1924.	Expenditure during the year.		Expenditure at commencement of period.	
							(8) Previous.	(9) During year let April 1924 to 31st March 1924.	(10) Total to 31st March 1924.	(12) Creation.		(13) Upkeep.			
Central Salem.	FOURTH CIRCLE—cont.														
	(a) Mainly Natural.														
	Manjavadi Sandal Felling Series Coupes I to V.	..	..	...	120	..	120	..	120	..	..	45	RS. 128	RS. 135	
	Papireddipatti Sandal Felling Series Coupes I to V.	..	..	...	120	..	120	..	120	..	..	45	RS. 175	RS. 180	
	Kurichi Sandal Felling Series Coupes III to V.	..	..	...	69	..	69	..	69	..	..	..	RS. 44	..	
	(b) Mainly Artificial.														
	Shevaroya Central Working Circle.	4	321	Planting silver Oak and Cypress and sowing seeds of Australian wattle.	143	..	143	..	143	..	..	..	9,096	..	
	Ramaswaminalai Series.	30	2,107	...	..	172	..	172	172	..	..	..	..	..	
	Manakondanalai do.	30	2,157	...	..	124	..	124	124	..	..	..	..	..	
	Gundakkal do.	30	2,277	...	..	127	..	127	127	..	..	..	..	..	
Thoppur, North do.	30	3,595	...	..	287	..	287	287	..	..	..	..	..		
Sholapadi Charcoal Working Circle.	30	2,767	Sowing seeds of indigenous species.	68	116	68	116	175	175	..	..	..	..		
	Total ..	..	14,169	....	520	1,001	520	1,001	1,521	..	..	90	9,443	315	

South Salem.	Vaiyampatti Range.	1919-20 to 1923-24	467	34	83	350	77	427	40	10	..	15	..	..
	Veeranalai Working Circle.	Do.	654	..	145	509	71	580	74	9	..	43	..	..
	Shennalai Working Circle.	Do.	504	46	85	373	131	504	..	7	..	17	..	..
	Karuppur Reddiapatti Working Circle.	Do.	219	7	44	168	22	190	29	9	..	22	..	..
	Sorapam Panjathangi Working Circle.	Do.	19	..	19	..	19	19	..	..	..	..	..	..
	Ammapalayam Working Circle.	1923-24	19	..	19	..	21	21	..	..	..	..	..	..
	Perambalur Range.	1923-24	21	..	21	..	34	82	..	..	..	..	..	..
	Ladaparam Working Circle.	Do.	82	..	130	252	110	362	20	2	..	2	..	..
	Thondamanthurai Working Circle.	1921-22 to 1923-24	382	..	120	274	120	394	..	2	..	2	..	..
	Arasalur Working Circle.	Do.	394	..	90	195	90	285	..	..	..	..	..	..
South Salem.	Vilangudi Series ..	1923-24	285	..	50	137	50	187	..	2	..	2	..	..
	Alavoy do.	Do.	187	..	146	253	73	332	73	2	..	2	..	..
	Periyavalayam do.	Do.	405	..	116	195	116	311	..	42	..	52	..	..
	Silvacheri do.	Do.	311	..	40	150	36	186	36	..	..	..	..	..
	Mudukulam do.	Do.	222	32	40	150	36	186	36	..	..	..	..	..
	Tirukonam do.	Do.	76	..	31	45	15	60	16	..	..	..	..	..
	Namakkal Range.	1918-19 to 1923-24	81	..	42	39	42	81	..	..	..	..	..	..
	Karavallijambutha Working Circle.	1921-22 to 1923-24	..	..	..	..	..	..	..	..	..	..	..	..
	Thammampatti Range.	1922-23 to 1923-24	..	..	..	..	..	..	..	..	..	..	..	..
	Mavar Working Circle ..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..			4,328	119	1,215	2,994	1,046	4,040	288	85	..	167	..	..
Grand total, Fourth Circle.			24,786	7,300	3,150	10,175	2,981	13,156	188	85	90	12,207	..	1,107

• These refer to opening of specially tented plots in sandal coupes.

Progress in reproduction and afforestation under working plans or schemes during the forest year 1923-24—cont.

(1) Division.	(2)	(3) Period.	(4) Area to be regenerated during period.	(5) Method of treatment.	Area on which regeneration was in progress at commencement of year, 1st April 1923.				Area on which regeneration commenced during the year, 1st April 1923.				Area on which regeneration is still in progress at close of year, 31st March 1924.				Expenditure during the year.		Expenditure commencement of period.
					(6) ACS.	(7) ACS.	(8) ACS.	(9) ACS.	(10) ACS.	(11) ACS.	(12) RS.	(13) RS.	(14) RS.	(15) RS.					
Working circle and block.	FIFTH CIRCLE. Mount Stuart Working Circle.																		
	1923 regeneration area ..	..	..	..	..	..	..	251-20	..	251-20	..	1,371	4,722	5,055	4,722	..	..	..	..
	1922 do. ..	..	..	..	..	..	..	126-08	..	126-08	..	..	775	3,358	3,358	..	..	..	..
	Mudi plantation ..	..	..	..	..	..	..	8-30	..	8-30	..	..	..	..	..	..	..	..	..
	Waterfall plantation ..	..	..	..	..	..	..	11-50	..	11-50	..	..	..	643	449	..	..	..	..
	1918-19 regeneration area.	..	..	..	..	..	..	28-48	..	28-48	..	..	..	554	356	..	..	..	..
	1919-20 do.	..	..	..	..	..	..	8-32	..	8-32	..	..	..	545	1,055	..	..	..	..
	1920-21 do.	..	..	..	..	..	..	29-12	..	29-12	..	..	..	..	12	..	..	..	..
	Experimental plantation at top slip.	..	..	..	..	..	..	1-50	..	1-50	..	..	..	..	..	..	..	..	..
	Experimental plantation at Mount Stuart.	..	..	..	..	..	..	5-00	..	5-00	..	..	3	..	..	..	..	..	..
Coimbatore, South.	Experimental plantation at Karian shola, 1924 regeneration area ..	..	..	..	..	..	..	0-50	..	0-50	..	..	..	..	..	..	..	..	..
	Panachi Working Circle.							..	226	226	..	5,887	..	5,887	..	..	..	..	..
	25-acre plot in Coupes XIV and XV.	..	226	Clearing, burning and dibbling teak and other seeds.	..	226	..	..	..	..	..	..	..	..	..	..	..	..	..
	Regeneration plots in Coupes IX and X.	..	25	Do.	..	25	..	..	25	25	..	439	..	439	..	..	..	..	..
	..	..	..	..	..	..	..	5-00	..	5-00	..	..	..	86	122	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Tinnevely.	2-acre plot in Coupe II ..	..	..	..	..	..	2-00	..	2-00	..	..	..	..	..
		3-acre plot in Coupe XV ..	..	..	..	..	3-00	..	3-00	..	..	..	..	..
		10-acre plot in Coupe XV.	..	..	..	..	10-00	..	10-00	..	..	..	..	..
		Kuttalam Working Circle.	..	..	..	..	106	..	106	..	..	..	..	..
		Vadugurai Melpidagai ..	..	..	..	..	4	..	4	..	..	..	..	..
		Siva Sallam, Working Circle.	..	..	..	..	216	..	216	..	..	..	..	..
		Koiler, Working Circle	..	..	..	..	269	..	269	..	..	..	..	..
		Kodamady ..	..	..	..	..	58	..	58	..	..	..	..	..
		Aladiyur ..	..	..	..	..	9	..	9	..	..	..	..	..
		Kannikatty, Old ..	..	..	..	..	129	..	129	..	..	..	..	..
Nilambur.	Sixth Circle.	Padarnalai Working Circle.	..	..	..	..	173	..	173	..	..	..	..	..
		Valliyur, 1905 ..	..	..	..	..	85	..	85	..	..	..	..	..
		Kallavur ..	..	..	..	..	201	..	201	..	..	..	..	..
		Siriviliputtur Range ..	..	..	..	..	0-30	..	0-30	..	..	..	..	..
		Kuttalam do. ..	..	..	..	..	1-20	..	1-20	..	..	..	..	..
		do. do. ..	..	..	..	..	1-20	..	1-20	..	..	..	..	..
		Kodamady do. ..	..	..	..	..	0-60	..	0-60	..	..	..	..	..
		Kannikatty do. ..	..	..	..	..	0-60	..	0-60	..	..	..	..	..
		Nauguneri do. ..	..	..	..	..	0-10	..	0-10	..	..	..	..	..
		Tinnevely do. ..	..	..	..	..	0-10	..	0-10	..	..	..	..	..
Tinnevely.	Kodamady Range.	1921-22 experimental regeneration area.	51	Clearing, burning and dibbling seeds of shola species.	..	51	185	51	236	..	633	..	3,145	720
		1921-22 experimental regeneration area.	53	..	..	53	157	53	210	..	634	..	2,613	594
		Kannikatty Range.	359	..	..	359	2,082	359	2,441	..	8,980	5,801	25,137	13,504
		1921-22 experimental regeneration area.	81	Artificial reproduction.	49	53	6,839	49	7,015	63	10,203	7,999	6,00,253	5,89,226
		Plantation Working Circle.	..	..	..	..	..	..	..	..	..	..	..	..
		Conversion do.	To be fixed by the District Forest Officer.	Do.	127	161	..	127	..	161	..	..	..	..
		Do.	..	Do.	..	..	37	..	37	..	..	242	884	6,709
		Cocoonant plantation ..	81	..	176	214	6,876	176	7,052	214	10,203	8,141	6,01,137	5,95,935
		Other divisions—Nil.	30,947	..	7,553	4,033	20,685	3,791	24,476	1,192	20,486	16,246	6,69,717	7,53,467
		Grand total, Presidency ..	..	..	..	..	..	..	..	..	..	..	..	..

(a) Work done by subordinates free of cost. (b) The 49 acres added to the total is strictly speaking, incorrect, as it is the replacement of the existing plantation finally felled, column 14 is similarly affected.

Note on the Fifth Circle.—A sum of Rs. 575 was spent in collection of seeds in Coimbatore, South, and Rs. 385, in Tinnevely.

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 1923.	Added during year, 1st April 1923 to 31st March 1924.	Excluded during year, 1st April 1923 to 31st March 1924.	On 31st March 1924.
(1)	(2)	(3)	(4)	(5)	(6)
FIRST CIRCLE.					
Visagapatam	1st March 1895	51	..	..	51
Godavari, Upper	Tanngya operation, 1920-21.	98	..	..	98
....	Clear-felling to establish a better quality of trees and artificial Regeneration of blanks (burnt patches) in the clear felled areas, by ploughing and sowing including special tending for three years from 1921-22.	191	274	..	465
Kistna .. ..	....	34	..	26	8
Total .. ..	....	374	274	26	622
SECOND CIRCLE.					
<i>Regular Plantations.</i>					
Bellary—					
Moka	1907	579	..	90	489
Guntur—					
Veddullapalli forest ..	....	150	..	150	..
Kurnool, West—					
Pecheruvu and Nagaluty.	....	1,430	..	200	1,230
Kurnool, East	Not known	124	..	2	122
Kurnool, South .. ..	....	..	110	..	110
Anantapur .. ..	....	..	..	Nil.	..
<i>Tanngya Plantations.</i>					
Kurnool, West .. ..	....	254	58	..	312
Do. East .. ..	....	..	40	..	40
Other districts .. ..	....	..	..	Nil.	..
<i>Cultural Operations.</i>					
Bellary—					
Kuppagal and Banavasi.	1905-06	6,790	..	5,998	792
Guntur—					
Muttayapalem	1912-13	4½	..	..	4½
Venkatapalem—					
Extension I, (Yepi)	1912-13	12	..	..	12
Kurnool, West .. ..	....	6,813	144	..	6,957
Do. East .. ..	....	632	158	..	790
Do. South .. ..	....	..	12	..	12
Anantapur .. ..	....	..	..	..	..
Total .. ..	....	16,788½	522	6,440	10,870½

No. 75-B
Madras Presidency.
during the forest year 1923-24.

Expenditure total during the year.		Expenditure from commencement.			Total area written off from start.	Expenditure in failed areas.	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.
..	102	2	2,416	2,418	..	..	..	396	5,660
15	92	383	469	852	..	337	515	..	8,609
10,981	54	16,651	64	16,715	..	..	16,715	9,047	37,159
..	9	1,667	7,579	9,246	..	..	..	..	4,125
10,996	257	18,703	10,528	29,231	..	337	17,230	9,443	50,553
..	..	7,958	53,499	61,457	90	11,312	61,457	276	7,291
..	..	..	..	..	(a) 150	..	..	..	..
..	930	2,92,254	69,609	3,61,863	(d) 200	40,800	3,21,063	4,542	24,761
..	..	38,471	26,045	64,516	(b) 9	4,489	60,027	..	..
1,755	..	1,755	..	(c) 1,755	..	..	..	..	..
..	..	..	..	..	Nil.	..	..	..	..
1,073	..	5,837	..	5,837	..	..	..	523	718
195	..	195	..	195	..	195	195	..	..
..	..	..	..	..	Nil.	..	..	..	..
..	..	3,795	667	4,462	5,998	26,525	4,462	..	..
..	..	22	..	22	..	..	..	..	..
..	..	26	..	26	..	..	..	..	..
610	3,748	32,471	7,487	39,958	..	..	..	254	254
493	300	12,437	4,104	16,541	..	..	..	..	..
392	..	392	..	392	..	..	..	..	..
..	..	..	..	..	Nil.	..	..	..	..
4,518	4,978	3,95,613	1,61,411	5,57,024	6,447	83,321	4,47,204	5,595	33,024

(a) Excluded as the reserve is to be disforested.

(b) 640 acres were written off during 1922-23; but the proportionate cost for the failed area was not deducted. As the actual expenditure on the failed area is not known, the average cost has been deducted.

Plantations not under working-plan

Division and forest.	Method of formation and year of commencement.	Area in acres.			
		At commencement of year, 1st April 1923.	Added during year, 1st April 1923 to 31st March 1924.	Excluded during year, 1st April 1923 to 31st March 1924.	On 31st March 1924.
(1)	(2)	(3)	(4)	(5)	(6)
THIRD CIRCLE.					
South Uddapah	Planting	23.00	..	3.00	20.00
Nellore .. ..	.. ..	1,729.95	5.65	100.00	1,635.60
Chittoor .. ..	.. ..	502.41	402.46	..	904.87
North Vellore	Planting Pajamary, 1923, Ambur Tope, 1913, and Pichanur tope, year not known.	167.00	..	..	167.00
Total ..		2,422.36	408.11	103.00	2,727.47
FOURTH CIRCLE.					
South Vellore—					
Amerdi Plantation ..	Clear felling and artificially stocking with timber species, 1912-13.	87.25	..	..	87.25
Muttakadu Plantation	Clear felling and artificially stocking with timber species, 1921-22.	5.00	..	..	5.00
Total ..		92.25	..	..	92.25
Central Salem—					
Jalluthu Fuel Coup VI.	(1) Sowing, (2) Not known.	20	..	20	..
Pudupatti bungalow compound.	(1) Planting fruit bearing trees, (2) Not known.	..	..	..	..
Pannikaradu Reserved Forest.	(1) Sowing, (2) 1922-23 ..	.. *	..	..	..
Shevaroy's North and Kavaramalai Working Ciroles.	(1) Sowing, (2) Not known.	153	..	153	..
Mallapuram Reserved Forest.	(1) Do. (2) Do.	15	..	15	..
Karuvattuparai Reserved Forest.	(1) Do. (2) 1922-23 ..	4.33	..	4.33	..
Kapputhu Reserved Forest and coupes.	(1) Do. (2) 1921-22 ..	119	37	116	..
Kavaramalai Coupes I, II and VI.	(1) Do. (2) Not known.	168	20	188	..
Kavaramalai Extension I to VIII.	(1) Do. (2) Do.	301	22	323	..
Northenchedu	(1) Do. (2) 1922-23 ..	20	18	38	..
Do. Extension.	(1) Do. (2) 1923-24 ..	..	16	16	..
Bedakad	(1) Do. (2) Not known.	2	..	2	..
Mallapuram Ghat Extension.	(1) Do. (2) Do.	2	10	12	..
Kuttar Reserved Forest and Coupes I and II.	(1) Do. (2) Do.	459	195	654	..
Ajjempatti Coupes V and VI.	(1) Do. (2) Do.	125	166	291	..
Vaniyar Reserved Forest.	(1) Do. (2) Do.	272	43	315	..
Bondikal	(1) Do. (2) Do.	100	..	100	..
Elathur	(1) Do. (2) Do.	5	..	5	..
Papiredipatti Rest-house compound.	(1) Do. (2) Do.	3	..	3	..

* One and-a-half measures of red Sanders sown.

during the forest year 1923-24—cont.

Expenditure total during year.		Expenditure from commencement.			Total area written off from start.	Expenditure in failed areas.	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.
..	120	23	1,225	1,248	593	3	1,245	5,573	12,446
..	..	1,12,753	..	1,12,753	..	..	1,12,753	39,622	2,56,168
235	613	1,539	13,849	15,388	..	..	15,388	Not known.	..
..	153	..	2,989	2,989	..	..	2,989	172	1,809
235	884	1,14,315	18,063	1,32,378	593	3	1,32,375	45,367	2,70,423
..	36	3,102	1,785	4,887	..	..	4,887	137	6,795
..	16	28	16	44	..	..	44	..	40
..	52	3,130	1,801	4,931	..	..	4,931	137	6,835
..	..	90	..	90	20	..	90	..	..
..	..	8	..	8	..	..	8	..	..
..	..	..	..	..	..	..	..	..	..
..	..	168	..	163	153	..	163	..	..
..	..	9	16	25	15	..	25	..	..
..	..	31	..	31	4.33	..	31	..	..
3	..	73	..	73	156	2	71	..	..
..	..	14	5	19	188	..	19	..	..
..	..	9	..	9	323	..	9	..	..
3	..	5	..	5	38	2	3	..	..
..	..	..	..	..	16	..	..	..	..
..	..	1	4	5	2	..	5	..	..
5	..	7	4	11	12	5	6	..	..
5	..	64	151	215	654	5	210	..	..
..	..	..	..	..	291	..	..	..	..
5	..	108	244	352	315	5	347	..	..
..	..	5	..	5	100	..	5	..	..
..	..	39	..	39	5	..	39	..	..
..	..	18	27	45	3	..	45	..	..

Plantations not under working-plans

Division and forest.	Method of formation and year of commencement.	Area in acres.			
		At commencement of year, 1st April 1923.	Added during year, 1st April 1923 to 31st March 1924.	Excluded during year, 1st April 1923 to 31st March 1924.	On 31st March 1924.
(1)	(2)	(3)	(4)	(5)	(6)
FOURTH CIRCLE—cont.					
Central Salem—cont.					
Kombuthuki Rest-house compound	(1) Sowing (2) Not known.	1	..	1	..
Mallapuram Rest-house compound.	(1) Do. (2) Do.	3	..	3	..
Papireddipatti Range office compound.	(1) Do. (2) 1923-24 ..	..	1.50	1.50	..
Shevaroy's Range office compound.	(1) Do. (2) Do. ..	..	1.50	1.50	..
Cauvery Range office compound.	(1) Do. (2) Do. ..	..	1	1	..
Mallur Reserved Forest.	(1) Do. (2) Not known.	25	..	25	..
Bodamalai	(1) Do. (2) Do	51	9	60	..
Pudupatti Reserved Forest and Coupes XIV and XV.	(1) Do. (2) Do	341	58	399	..
Nagaramalai	(1) Do. (2) Do.	20	..	20	..
Manjavadi Ghat ..	(1) Do. (2) Do.	100	40	140	..
Tirumannar Reserved Forest and Fuel Coupe X.	(1) Do. (2) 1922-23 ..	8	15	23	..
Arasankadai Reserved Forest.	(1) Do. (2) 1923-24 ..	..	20	20	..
Kurumbapatti	(1) Do. (2) 1920-21 ..	5	..	3.25	1.75
Ayyanthirimaligai ..	(1) Do. (2) 1923-24 ..	..	..	..	..
Mookanur A	(1) Do. (2) Do. ..	..	(a) 17	17	..
Total ..	....	2,322.33	690	3,010.58	1.75
Grand total ..	....	2,414.58	690	3,010.58	94
FIFTH CIRCLE.					
Kollegal — Araipalayam Coupe XVI.	Sowing broadcast seeds of kolukattai grass, 1923-24.	..	..	..	..
Coimbatore, North—Minchigully plantation.	Dibbling teak, Vengai and Rosewood seeds, watering and weeding, 1918.	164	..	..	164
Ainagiri plantation ..	Planting seedlings, etc., of Sholas, species, 1918.	42	..	..	42
Madura—Gundan Shola	1906	257	..	..	257
Pine plantations, Pambar Hill.	.. ..	1,044	..	..	1,044
Gundan Valley ..	Planting Decurrens. Acacia	148	..	..	148
Velancombai plantation.	.. ..	14	..	..	14
Vannathiparai Teak plantation.	Planting teak, 1870 ..	3	..	..	3
Sethuvoikal or Vannathiparai new plantation.	Planting teak, 1920-21 ..	61	..	..	61

(a) Conservator's Bungalow compound.

during the forest year 1923-24—cont.

Expenditure total during year.		Expenditure from commencement.			Total area written off from start.	Expenditure in failed areas.	Expenditure from commencement excluding failed areas.	Revenue during the year.	Total revenue from date of formation.
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.
..	..	..	..	..	1	..	..	..	..
..	..	..	..	..	3	..	..	..	..
15	..	15	..	15	1.50	15	..	..	..
7	..	7	..	7	.50	7	..	..	..
8	..	8	..	8	1	8	..	..	..
..	..	3	6	9	25	..	9	..	..
..	..	12	31	43	60	..	43	..	..
..	..	8	..	8	399	..	8	..	..
..	..	5	..	5	20	..	5	..	..
5	..	24	9	33	140	5	28	..	..
..	..	45	..	45	23	..	45	..	..
5	..	5	..	5	20	5	..	..	..
..	34	202	34	236	3.25	..	2.6	..	..
131	..	131	..	131	..	..	131	..	..
..	..	..	..	..	17	..	..	..	..
192	34	1,109	531	1,640	3,010.58	59	1,581	..	..
192	86	4,239	2,332	6,571	3,010.58	59	6,512	137	6,835
2	..	21	..	21	..	21	..	..	..
..	111	123	568	691	..	..	691	..	..
..	151	670	438	1,108	..	..	1,108	..	..
..	..	18,985	..	18,985	..	..	18,985	522	4,078
..	2	33,241	3,873	37,114	..	..	37,114	25	782
..	..	3,090	45	3,135	..	..	3,135	..	..
..	28	1,124	78	1,202	..	..	1,202	..	2,315
..	..	1,405	..	1,405	..	..	1,405	325	2,125
..	133	3,770	596	4,366	..	..	4,366	..	..

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 1923.	Added during year, 1st April 1923 to 31st March 1924.	Excluded during year, 1st April 1923 to 31st March 1924.	On 31st March 1924.
(1)	(2)	(3)	(4)	(5)	(6)
FIFTH CIRCLE—cont.					
Tinnevely—					
Kudiramoliteri Reserve.	Dibbling palmyra, etc., seeds and planting various species.	5,228	..	..	5,228
Valliyur Reserved Forest.	1905	108	..	..	108
Kodamady Teak planta- tion.	Planting, 1917	57	29	..	86
Kariar Teak plantation.	Planting, 1922-23 ..	29	26	..	55
Richmond plantation ..	Planting teak raised in nursery, 1906.	1	..	..	1
Kariar kani area ..	Taungya plantation, 1 12.	23	..	..	23
Haynes plantation ..	....	23	..	..	23
Total ..	....	7,202	55	..	7,257
SIXTH CIRCLE.					
Mangalore, North—					
Someshwar	Sowing by cutting lines and staking.	178	..	19	159
Jattukattumala ..	Do. do.	1,295	..	..	1,295
Halesomeshwar ..	Do. do.	524	585	24	1,034
Mensinkam	Do. do.	46	..	34	12
Todar	Sandal sowing in pits ..	66	2	..	70
Hosabettu	Do. do.	76	2	..	78
Kodiamale	Sowing in pits	31	1	..	32
Sabladi	Sowing by cutting lines and staking.	..	..	..	..
Total ..	....	2,218	540	77	2,681
Mangalore, South—					
Parappa, Compartment V.	Planting of teak 1865 ..	52	..	..	52
Porkala and Padnur ..	Sowing and planting of evergreen species under existing growth, 1920-21.	1,509	..	156	1,353
Parappa	Do. do.	1,747	336	275	1,808
Jalur East, Coupes 1 and 2.	Artificial regeneration. Sowing and planting of evergreen species under existing growth, 1920-21.	252	..	..	252
....	Natural regeneration of evergreen species, 1916- 17.	147	..	..	147
Nerankimale Reserve ..	Clear felling and sowing seeds of deciduous species in pits, 1923-24.	..	32	..	32
Nalkur	Natural regeneration of evergreen forests, Janu- ary 1922.	1,021	1,220	..	2,241
Karadka	Taungya kumri, 1920-21.	57	..	..	57
Total ..	....	4,785	1,568	488	5,855

during the forest year 1923-24—cont.

Expenditure total during year.		Expenditure from commencement.			Total area written off from start.	Expenditure in failed areas.	Expenditure from com- mencement exclud- ing 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.
..	..	6,130	1,830	7,960	..	..	7,960	4,424	(a) 36,696
..	..	269	1,357	1,626	..	..	1,676	21	940
1,016	262	3,739	499	4,238	..	..	4,238	..	8
486	254	1,133	254	1,427	..	..	1,427	..	..
..	..	5	..	5	..	..	5	..	94
..	15	47	252	299	..	..	299	178	178
..	..	26	37	63	..	..	63	..	..
1,523	956	73,818	9,827	83,645	..	21	83,624	5,495	47,216
..	119	517	699	1,116	19	108	1,008	..	..
..	1,419	3,122	3,114	6,236	..	..	6,236	..	..
677	294	1,532	294	1,826	24	39	1,787	..	..
..	..	13	..	13	34	10	3	..	..
..	..	324	..	324	204	231	93	..	..
..	..	358	..	358	165	235	123	..	..
..	..	64	14	78	..	..	78	..	..
311	..	311	..	311	..	..	311	..	..
988	1,832	8,241	4,021	10,262	446	623	9,639	..	..
..	35	10,357	209	10,566	..	..	10,566	..	2,508
..	1,339	3,736	1,927	5,663	156	821	4,842	..	..
962	1,302	4,821	2,351	7,172	275	1,031	6,151	..	..
..	706	1,541	1,228	2,769	..	..	2,769	..	..
..	135	289	3,925	4,214	..	..	4,214	..	..
99	..	99	..	99	..	..	99	..	..
..	1,835	..	5,223	5,223	..	..	5,223	..	..
..	..	37	75	112	57	112	..	..	..
1,061	5,352	20,880	14,938	35,818	488	1,954	33,864	..	2,508

(a) Revenue realized partly from trees that were already existing and partly from palmyra trees that were raised.

* The area to be sown is 100 acres. Only pitting and stacking has been done. Sowing will be done in June 1924.

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 1923.	Added during year, 1st April 1923 to 31st March 1924.	Excluded during year, 1st April 1923 to 31st March 1924.	On 31st March 1924.
(1)	(2)	(3)	(4)	(5)	(6)
SIXTH CIRCLE—cont.					
Wynaad—					
.....	Regular plantation ..	372	185	..	557
Bhothakkal	Taungya	658	..	..	658
	Clear felling and regener- ation by dibbling and planting.	13	25	..	38
Doddaipallam	Do. do.	..	35	..	35
Total ..	.....	1,061	245	..	1,298
Palghat—					
Thamburattipottai reserve.	Taungya plantations, 1919- 20.	34	..	..	34
Puliyampatti tope re- serve.	Do. do.	20	..	..	20
Thamburattipottai reserve.	Cultural operations, 1918- 19.	17	..	..	17
Vellapathi reserve ..	Cultural operations, 1919- 20.	39	..	..	39
Muthikulam bungalow compound.	Cultural operations, 1921- 22.	4	..	..	4
Attapadi	Do. do.	2	..	..	2
Palghat Range Office compound.	Cultural operations, 1919- 20.	1	..	..	1
Dhoni reserve	Do. do.	125	..	..	125
Chenat Nair	Cultural operations, 1920- 21.	372	321	..	493
Elival tope	Tending coppice shoots ..	..	..	..	..
Total ..	.....	614	121	..	735
The Nilgiris—					
.....	Regular plantations, 1856.	1,867	16	..	1,883
.....	Taungya plantations, 1907-08.	32	..	..	32
.....	Cultural operations, 1920- 21.	47	27	..	74
Mudumalai, Compart- ment I, Block I.	Clear felling and planting of teak stumps, 1923-24.	..	100	..	100
Moyar	Do. do.	..	..	..	..
Total ..	.....	1,946	143	..	2,089
Grand total for the circle.	.....	10,617	2,637	565	12,689
Grand total, Presidency ..	.....	9,818.44	4,586.11	10,141.58	31,259.97

during the forest year 1923-24—cont.

Expenditure total during year.		Expenditure from commencement.			Total area written off from start.	Expenditure in failed areas.	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.	ACS.	RS.	RS.	RS.	RS.
1,352	(b) 1,115	17,561	25,131	42,692	..	..	42,692	3,497	19,593
(a) 81	..	25	11,084	11,109	..	..	11,109		
1,206	176	2,065	176	2,241	..	..	2,241		
616	309	1,905	309	2,214	..	..	2,214	..	..
3,255	1,600	21,556	36,700	58,256	..	..	58,256	3,497	19,593
..	48	..	133	133	..	..	133	..	..
..	99	..	249	249	..	..	249	..	..
..	..	112	..	112	..	..	112	..	..
..	28	573	59	632	..	..	632	..	..
..	..	110	..	110	..	..	110	..	..
..	..	13	..	13	..	..	13	..	..
..	7	50	42	92	..	..	92	..	..
..	21	2,794	1,456	4,250	..	..	4,250	..	..
2,718	..	9,104	151	9,255	..	..	9,255	..	..
..	26	..	25	51	..	..	35	..	..
2,718	229	12,756	2,125	14,881	..	..	14,881	..	..
1,272	2,204	14,501	3,20,298	3,31,799	..	..	3,31,799	13,946	9,36,728
..	41	104	5,019	5,523	..	..	5,523	..	..
..	498	1,700	878	2,578	..	..	2,578	..	..
509	..	..	509	1,133	..	..	1,130	..	..
(c) 225	..	..	(c) 621	101	..	..	101	..	..
(d) 101	..	101	..	..	..	..	..	..	..
2,107	2,743	1,806	3,27,325	3,44,131	..	..	3,44,131	13,946	9,36,728
10,129	11,756	78,239	3,85,109	4,63,348	934	2,577	4,60,771	17,143	9,58,829
27,593	18,919	6,84,527	5,87,270	12,72,197	10,984.58	86,318	11,47,716	83,460	1,36,658

- (a) Rs. 55 cost of seeds sent to Palghat and Nilambur, and 26 nursery cost (Begur).
 (b) Includes Rs. 137 spent on tending Neduthana orange tope. Its area is not shown in column 3 as it is not a regular plantation from the Forest points of view.
 (c) Includes previous expenditure on nursery.
 (d) Expenditure on nursery.

ANNUAL FORM No. 76.
Forest Department, Madras Presidency.
Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation.

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)
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
FIRST CIRCLE.															
I. Reserved Forests.															
Ganjam ..	247	46	39	9	341	12	128	..	..	140	..	..	..	..	..
Vizagapatam ..	1	1	..	..	2	..	5	..	..	5	..	..	..	..	..
Godavari, Upper ..	43	2	..	..	45	1	..	..	..	1	..	..	..	..	..
Do. Lower ..	7	130	..	..	137	..	..	..	..	..	..	7	..	..	7
Kistna ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	298	179	39	9	525	13	133	..	..	146	..	7	..	..	7
II. Leased Forests—Nil.															
III. Reserved Lands—Nil.															
IV. Unreserved Lands.															
Ganjam ..	28	24	1	..	53	1	3	..	..	4	..	..	..	..	..
Vizagapatam ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Godavari, Upper ..	8	2	1	..	11	1	11	..	..	12	..	..	..	..	1
Do. Lower ..	2	67	49	..	118	..	..	..	..	..	..	1	..	..	..
Kistna ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	38	93	51	..	182	2	14	..	..	16	..	1	..	..	1
Grand total ..	336	272	90	9	707	15	147	..	..	162	..	8	..	..	8

Note for the First Circle.

The figures are actuals except in the following cases:—

(1) *Ganjam*.—Unreserved lands.—Column 3.—This includes 4,000 cubic feet of timber arrived at by taking 20 cubic feet for every rupee collected.

Column 28.—This includes 21,000 cubic feet arrived at by taking 20 cubic feet for every half rupee collected.

(2) *Vizagapatam*.—Unreserved lands.—Value converted into outturn at 1 anna per cubic foot of timber and 6 pies per cubic foot of fuel.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—cont.

Division.	Miscellaneous.				Total timber.				Fuel.				Total output.			
	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)
FIRST CIRCLE.—cont.																
I. Reserved Forests—cont.																
Ganjam ..	..	..	..	..	..	259	174	39	9	481	310	421	48	..	779	1,260
Vizagapatam ..	..	..	..	..	..	1	6	..	..	7	3	171	..	..	174	181
Godavari, Upper ..	27	..	..	..	27	71	2	..	..	73	..	17	..	..	90	90
Do. Lower ..	..	..	..	..	..	7	137	..	..	144	15	881	..	..	896	1,040
Kistna ..	..	1	..	..	1	..	1	..	..	1	..	852	..	..	852	853
Total ..	27	1	..	..	28	338	320	39	9	706	328	2,342	48	..	2,718	3,424
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands—																
Ganjam ..	..	..	..	..	..	29	27	1	..	57	1	147	1	..	149	206
Vizagapatam ..	..	40	22	..	62	..	40	22	..	62	..	35	..	..	35	97
Godavari, Upper ..	3	19	13	..	35	12	32	14	..	58	5	67	..	..	72	130
Do. Lower ..	..	..	..	..	..	2	68	49	..	119	1	3	..	..	4	123
Kistna ..	..	51	14	..	65	..	51	14	..	65	..	160	..	..	160	225
Total ..	3	110	49	..	162	43	218	100	..	361	7	412	1	..	420	781
Grand total ..	30	111	49	..	190	381	538	139	9	1,067	335	2,754	49	..	3,138	4,205

(3) *Godavari, Lower*.—Unreserved lands.—Column 3.—This includes 52 units of timber obtained by conversion of lease amount under driftwood operations at 1 anna per cubic foot.

(4) *Kistna*.—Unreserved lands.—Value converted into outturn at 1 anna per cubic foot and 2 annas per cubic foot in the case of free grantees.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 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)
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total
SECOND CIRCLE.															
<i>I. Reserved forests</i>															
Bellary ..	..	3	6	..	9	..	16	1	..	17	..	..	..	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guntur ..	14	3	1	..	18	1	1	1	..	3	..	..	..	..	1
Kurnool, East ..	11	15	..	..	26	1	52	3	1	56	..	1	..	..	3
Do. South ..	7	..	..	..	7	58	..	8	1	67	3	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
(Total) ..	32	21	7	..	60	60	69	13	1	143	3	1	..	..	4
<i>II. Leased forests—Nil.</i>															
<i>III. Reserved lands—Nil.</i>															
<i>IV. Unreserved lands.</i>															
Bellary ..	..	96	..	..	96	..	29	..	..	29	..	..	..	..	..
Anantapur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Guntur ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kurnool, East ..	..	10	..	..	10	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	155	..	..	155	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	261	..	..	261	..	29	..	..	29	..	..	..	..	..
Grand total ..	32	282	7	..	321	60	98	13	1	172	3	1	..	..	4

Reserved Forests—
Norm.—Bellary.—Estimates at 4 annas a cubic foot for I class timber and 2 annas per cubic foot for II class timber.

Do. at 20 cubic feet for 6 annas on the revenue realized.

Anantapur.—Estimates at 2 annas a cubic foot for timber.

Unreserved lands—

Guntur.—Timber free grants actuals timber and fuel by purchasers estimated at 1 anna per cubic foot.

Kurnool, East.—Free grants actuals 1 palmyra tree = 10 cubic feet 1 C.L. timber and fuel = 20 cubic feet.

Kurnool, South and West.—One C.L. timber and fuel = 20 cubic feet.

Estimates at 1 anna a cubic foot for fuel.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—cont.

Division.	Miscellaneous.					Total timber.					Fuel.					Total outturn.
	Govern-ment.	Purchasers.	Free-grantees.	Right-holders.	Total.	Govern-ment.	Purchasers.	Free-grantees.	Right-holders.	Total.	Govern-ment.	Purchasers.	Free-grantees.	Right-holders.	Total.	
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
SECOND CIRCLE.																
<i>I. Reserved Forests.</i>																
Bellary ..	..	..	..	..	..	..	16	1	..	17	2	299	..	..	301	* 318
Anantapur ..	..	..	..	..	..	..	3	6	..	9	..	56	..	..	56	65
Guntur ..	1	37	..	..	38	1	37	..	..	38	..	184	..	..	184	222
Kurnool, East ..	..	..	..	..	..	15	4	2	..	21	10	2	..	..	12	33
Do. South ..	..	..	..	..	..	12	68	3	..	83	22	158	..	..	180	263
Do. West ..	..	9	..	..	9	68	9	8	1	86	120	..	..	154	274	360
Total ..	1	46	..	..	47	96	137	20	1	254	154	699	..	154	1,007	1,261
<i>III. Leased Forests—Nil.</i>																
<i>III. Reserved Lands—Nil</i>																
<i>IV. Unreserved Lands.</i>																
Bellary ..	..	..	..	..	..	..	29	..	..	29	..	74	..	..	74	† 103
Anantapur ..	..	228	52	..	280	..	96	52	..	96	..	68	..	..	68	184
Guntur ..	..	27	12	..	39	..	228	12	..	280	..	336	..	..	336	616
Kurnool, East ..	..	50	..	..	50	..	27	12	..	39	..	3	..	..	3	42
Do. South ..	..	..	..	..	..	..	60	..	..	60	..	31	..	..	31	91
Do. West ..	..	..	..	..	..	..	155	..	..	155	..	62	..	..	62	217
Total ..	..	305	64	..	369	..	595	64	..	659	..	574	..	..	674	1,233
Grand total ..	1	351	64	..	416	96	732	84	1	913	154	1,273	..	154	1,581	2,494

* Actuals.

Reserved Forests—
Norm.—Bellary.—Estimates at 4 annas a cubic foot for I class timber and 2 annas per cubic foot for II class timber.

Do. at 20 cubic feet for 6 annas on the revenue realized.

Anantapur.—Estimates at 2 annas a cubic foot for timber.

Guntur.—Timber free grants actuals timber and fuel by purchasers estimated at 1 anna per cubic foot.

Kurnool, East.—Free grants actuals 1 palmyra tree = 10 cubic feet 1 C.L. timber and fuel = 20 cubic feet.

Kurnool, South and West.—One C.L. timber and fuel = 20 cubic feet.

Estimates at 1 anna a cubic foot for fuel.

† Estimates.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—*cont.*

Division	Timber in the rough, logs.					Timber in the rough, poles.					Sawn or square timber.					
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
				Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.
THIRD CIRCLE.																
<i>I. Reserved Forests.</i>																
Cuddapah, North ..	1	..	..	..	..	1	1	..	..	..	1	1	..	..	..	1
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chittoor ..	..	9	..	..	..	9	..	..	..	..	..	..	..	..	..	..
North Vellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	1	9	..	..	..	10	1	..	..	..	1	1	..	..	..	1
<i>II. Leased Forests—Nil.</i>																
<i>III. Reserved Lands—Nil.</i>																
<i>IV. Unreserved Lands.</i>																
Cuddapah, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Nellore ..	..	..	120	..	..	120	..	..	..	..	..	..	..	..	..	..
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Chittoor ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
North Vellore ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	120	120	..	..	120	..	..	..	..	..	..	..	..	..	..
Grand total ..	1	129	130	..	..	130	1	..	..	..	1	1	..	..	..	1

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—*cont.*

Division.	Miscellaneous.				Total timber.						Fuel.				Total outturn.	
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.		Total.
	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)
THIRD CIRCLE—cont.																
I. Reserved Forests—cont.																
Cuddapah, North ..	1	25	7	..	33	1	25	7	..	33	13	735	..	..	748 (a)	781
Do. South ..	5	49	1	..	55	8	49	1	..	58	26	953	..	..	979 (a)	1,037
Do. West ..	3	14	1	..	18	3	14	1	..	18	1	425	..	..	426 (a)	444
Nellore ..	1	2	1	..	4	1	2	1	..	4	27	2,145	..	..	2,172 (a)	2,176
Chingleput ..	..	..	..	..	..	..	..	..	..	..	..	285	..	..	285 (a)	285
Chittoor ..	1	20	1	..	22	1	20	1	..	22	25	1,349	..	..	1,374 (a)	1,396
North Vellore ..	..	..	..	..	..	..	9	..	..	9	3	200	..	..	303 (a)	312
Total ..	11	110	11	..	132	14	119	11	..	144	95	6,192	..	..	6,287	6,431
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands.																
Cuddapah, North ..	..	75	..	..	75	..	75	..	..	75	..	77	..	..	77 (a)	152
Do. South ..	..	1	..	..	1	..	1	..	..	1	..	3	..	..	3 (a)	4
Do. West ..	..	59	..	..	59	..	59	..	..	59	..	208	..	..	208 (a)	267
Nellore ..	..	81	19	..	50	..	31	19	..	50	..	34	..	..	34 (a)	84
Chingleput ..	..	..	4	..	4	..	120	4	..	124	..	255	..	..	255 (a)	379
Chittoor ..	..	144	11	..	155	..	144	11	..	155	..	305	..	..	305 (a)	469
North Vellore ..	..	161	10	..	171	..	161	10	..	171	..	88	..	..	88 (a)	259
Total ..	..	471	44	..	515	..	591	44	..	635	..	970	..	..	970	1,605
Grand total ..	11	581	55	..	647	14	710	55	..	779	95	7,162	..	..	7,257	8,036

(a) Actuals.

(b) Converted from money value at 1 anna per cubic foot in case of timber and 2 annas per cubic foot, fuel 1 anna per cubic foot and one palm tree = 25 cubic feet

(c) Converted from money value at 1 anna per cubic foot in case of timber, 3 annas per cubic foot and fuel 1 anna per cubic foot.

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Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—cont.

Division.	Timber in the rough, logs.						Timber in the rough, poles.						Sawn or square timber.			
	(1)	(2) Government	(3) Purchasers.	(4) Free-grantees.	(5) Right-holders.	(6) Total.	(7) Government.	(8) Purchasers.	(9) Free-grantees.	(10) Right-holders.	(11) Total.	(12) Government.	(13) Purchasers.	(14) Free-grantees.	(15) Right-holders.	(16) Total.
FOURTH CIRCLE.																
I. Reserved forests.																
Vellore, South ..	..	..	4	1	..	5	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. North ..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..
Do. Central ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	4	1	..	5	..	1	..	..	1	..	..	..	..	..
II. Leased forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands.																
Vellore, South ..	..	..	11	4	..	15	..	..	..	..	..	..	..	..	..	..
Do. West ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Salem, East ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. North ..	..	..	..	..	..	..	..	9	5	..	14	1	..	..	..	1
Do. Central ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	..	11	4	..	15	..	9	5	..	14	1	..	..	..	1
Grand total ..	..	..	15	5	..	20	..	10	5	..	15	1	..	..	..	1

Removals by Government Agency—Actuals.

Sandalwood—Factor of conversion 1 ton = 40 cubic feet.

Free grants—Actuals.

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

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—cont.

Division.	Miscellaneous.					Total timber.					Fuel.					
	Government. (17)	Purchasers. (18)	Free- grantees. (19)	Right- holders. (20)	Total. (21)	Government. (22)	Purchasers. (23)	Free- grantees. (24)	Right- holders. (25)	Total. (26)	Government. (27)	Purchasers. (28)	Free- grantees. (29)	Right- holders. (30)	Total. (31)	Total outturn. (32)
FOURTH CIRCLE—cont.																
I. Reserved Forests.																
Vellore, South ..	3	2	1	..	6	3	2	1	..	6	3	247	..	..	250	256
Do. West ..	2	..	..	..	2	2	4	1	..	7	..	68	..	..	68	75
Salem, East ..	..	..	..	..	..	..	..	..	..	..	..	79	..	..	79	79
Do. North ..	..	..	..	..	..	..	..	..	..	..	..	16	..	..	17	28
Do. Central ..	1	..	..	..	1	1	1	..	..	2	..	90	..	..	90	92
Do. South ..	1	1	1	..	3	1	1	1	..	3	4	205	..	..	209	212
Total ..	18	3	2	..	23	18	8	3	..	29	8	705	..	..	713	742
II. Leased Forests—Nil.																
III. Reserved Lands—Nil.																
IV. Unreserved Lands.																
Vellore, South ..	..	94	21	..	115	..	94	21	..	115	..	67	..	..	67	182
Do. West ..	..	..	..	..	..	..	11	4	..	15	..	6	..	..	6	21
Salem, East ..	..	95	..	..	95	..	95	1	..	96	..	62	1	..	63	159
Do. North ..	..	29	..	..	29	..	29	..	..	30	1	6	..	..	7	37
Do. Central ..	..	72	..	..	72	..	81	5	..	86	..	12	..	..	12	98
Do. South ..	..	261	2	..	263	..	261	2	..	263	..	308	..	..	308	571
Total ..	..	551	24	..	575	1	571	33	..	605	1	461	1	..	463	1,068
Grand total ..	18	554	26	..	598	19	579	36	..	634	9	1,166	1	..	1,176	1,810

Removals by Government Agency—Actuals.

Sandalwood—Factor of conversion 1 ton = 40 cubic feet.

Free grants—Actuals.

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

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—*cont.*

Division.	Timber in the rough, logs.				Timber in the rough, poles.				Sawn or square timber.							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
FIRST CIRCLE.																
<i>I. Reserved Forests.</i>																
Kollegal ..	4	1	1	..	..	5	..	1	..	..	1	..	2	..	..	2
Coimbatore, North ..	..	12	12	..	..	12	..	..	..	..	..	15	..	..	..	15
Do. South ..	3	..	..	..	..	3	..	..	..	..	..	18	..	..	..	18
Madura ..	6	..	..	..	..	6	..	..	..	..	..	..	..	..	..	..
Tinnevely ..	..	27	27	..	..	27	..	17	..	..	17	..	7	..	..	7
Total ..	13	40	40	..	..	53	..	18	..	..	18	33	9	..	..	42
<i>II. Leased Forests.</i>																
Coimbatore, South ..	116	..	..	..	..	116	..	..	..	..	..	..	..	..	..	..
<i>III. Reserved Lands—Nil.</i>																
<i>IV. Unreserved Lands.</i>																
Kollegal ..	..	108	..	7	..	115	..	..	..	..	..	..	..	..	..	..
Coimbatore, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Madura ..	..	4	..	25	..	29	..	..	..	..	..	..	..	..	..	..
Tinnevely ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total ..	..	112	32	32	..	144	..	..	..	..	..	..	..	..	..	..
Grand total ..	129	152	82	82	..	313	..	18	..	..	18	33	9	..	..	42

Note for the Fifth Circle.

The figures are actuals except in the following cases:—
Kollegal and Coimbatore, North.—Sandalwood—Factor of conversion—2 qrs. = 1 cubic foot.

Outturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 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.
FIFTH CIRCLE.—cont.																
I. Reserved Forests.—cont.																
Kollegal	..	5	..	..	5	4	9	..	..	13	..	230	..	..	230	248
Coimbatore, North ..	..	5	..	..	5	15	17	..	..	32	..	944	..	..	944	976
Do. South	4	2	..	..	6	25	2	..	..	27	..	75	..	..	75	102
Madura	..	11	..	..	11	6	11	..	..	17	2	596	..	..	598	615
Tinnevely	..	6	..	..	6	..	57	..	..	57	..	757	..	..	757	814
Total	4	29	..	..	33	50	96	..	..	146	2	2,602	..	..	2,604	2,750
II. Leased Forests.																
Coimbatore, South ..	1	..	..	..	1	117	..	..	..	117	..	..	..	..	..	117
III. Reserved Lands— Nil.																
IV. Unreserved Lands.																
Kollegal	..	11	..	..	11	..	11	..	..	11	..	13	..	..	13	24
Coimbatore, North ..	..	..	..	..	..	..	108	7	..	115	..	44	..	..	44	169
Madura	..	124	..	..	126	..	124	2	..	126	..	479	..	..	479	605
Tinnevely	..	..	..	..	..	..	4	25	..	29	..	212	..	..	212	241
Total	..	135	2	..	137	..	247	34	..	281	..	748	..	..	748	1,029
Grand total	5	164	2	..	171	167	343	34	..	544	2	3,350	..	..	3,352	3,895

*Note for the Fifth Circle—*cont.**

Kollegal and Coimbatore, North.—Agricultural implements—Factor of conversion.—Each implement = 1 cubic foot.
Unreserved Lands.—Estimate based on money value collected.

FOREST DEPARTMENT

ANNUAL REPORT OF THE

Ontturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—cont.

Division.	Timber in the rough, logs					Timber in the rough, poles.					Sawn or square timber.				
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
SIXTH CIRCLE—															
I. Reserved forests.															
Mangalore, North ..	60	..	..	..	60	..	..	..	..	..	..	..	..	..	..
Do. South ..	35	..	..	..	37	..	..	..	..	..	..	..	..	..	..
Wynaad ..	6	..	..	..	6	..	..	..	..	8	..	..	..	..	4
Nilambur ..	77	..	..	..	132	14	..	..	..	14	..	..	..	..	94
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palghat ..	10	..	..	..	30	..	..	..	..	..	..	..	..	..	..
Total ..	188	77	..	..	265	22	..	..	..	22	84	14	..	..	98
II. Leased forests.															
Nilambur ..	143	32	..	..	175	59	..	..	..	59	..	..	..	..	..
III. Reserved Lands.															
The Nilgiris ..	41	..	..	..	41	7	..	..	..	7	..	..	..	..	..
IV. Unreserved Lands.															
Mangalore, North ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Do. South ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Wynaad ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
The Nilgiris ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Palghat ..	..	28	..	..	23	..	..	..	..	..	..	..	..	..	..
Total ..	..	28	..	..	28	..	..	..	..	..	..	..	..	..	..
Grand total ..	372	137	..	..	509	88	..	..	..	88	84	14	..	..	98
Exploitation Division.	84	..	..	..	84	5	..	..	..	5	3	..	..	..	3
Grand total, Presidency.	954	987	134	9	2,084	169	273	18	1	461	125	32	..	..	157

Note for the Sixth Circle—

Reserved Forests, Leased Forests and Reserved Lands.

Government Agency—Purchasers—Actuals.

Ontturn (in thousands of cubic feet, solid) of timber and fuel during the year 1923-24 and agency of exploitation—cont.

Division.	Miscellaneous.				Total timber.				Fuel.				Total outturn.			
	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)
SIXTH CIRCLE—cont.																(32)
I. Reserved Forests— cont.																
Mangalore, North ..	..	51	..	..	51	60	51	..	..	111	87	1,089	..	..	..	1,287
Do. South ..	..	2	..	..	2	39	4	..	..	43	121	262	..	..	..	416
Wynaad ..	..	2	..	..	2	94	16	..	..	110	..	..	..	..	..	110
Nilambur ..	..	..	..	..	..	91	55	..	..	146	..	..	..	..	..	146
The Nilgiris ..	..	13	..	..	13	..	13	..	..	13	515	93	..	..	..	621
Palghat ..	..	..	..	..	..	10	20	..	..	30	7	878	..	..	..	915
Total ..	..	68	..	..	68	294	159	..	..	453	780	2,312	..	..	..	3,455
II. Leased Forests— cont.																
Nilambur ..	..	4	..	..	4	202	36	..	..	238	2	..	..	..	2	240
III. Reserved Lands— cont.																
The Nilgiris ..	..	..	..	..	..	48	..	..	..	48	..	..	..	..	..	48
IV. Unreserved Lands— cont.																
Mangalore, North ..	..	99	..	23	122	..	99	..	23	122	..	994	..	..	..	1,116
Do. South ..	..	45	..	4	49	..	45	..	4	49	..	131	..	..	..	180
Wynaad ..	..	4	..	..	4	..	4	..	..	4	..	3	..	..	7	7
The Nilgiris ..	..	4	..	..	4	..	4	..	..	4	..	..	..	..	..	4
Palghat ..	..	..	1	..	1	..	28	1	..	29	..	11	..	..	11	40
Total ..	..	152	1	27	180	..	180	1	27	208	..	1,139	..	..	..	1,347
Grand total ..	..	224	1	27	252	544	375	1	27	947	732	3,451	..	..	..	5,130
Exploitation Division.	..	..	..	..	..	92	..	..	..	92	87	..	..	..	87	179
Grand total, Presidency.	65	1,985	197	27	2,274	1,313	3,277	349	37	4,976	1,414	19,156	50	154	20,774	25,750

Note for the Sixth Circle—

Reserved Forests, Leased Forests and Reserved Forests.

Government Agency—Purchasers—Actuals.

Unreserved Lands.—Estimates based on money value.

FOREST DEPARTMENT

ANNUAL FORM No. 77.

Forest Department, Madras Presidency.

Outturn of minor forest produce during the year 1923-24.

Circle.	Description of produce.	Produce removed or utilized				
		By Government agency.		By purchasers.	By free grantees.	By right-holders.
		Quantity.	Value.	Value.	Value.	Value.
First Circle.	<i>Reserved forests.</i>	NO.	RS.	RS.	RS.	RS.
	Bamboos	47,168	671	89,620	748	143
	Grazing and fodder grass ..	..	..	47,098	12,593	706
	<i>Other produce.</i>	QRS.	..	..	..	..
	Grass (hay, thatch, korai, etc.)	4,732	34	935	2	..
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	565	51	1,051	..	..
	Horns, honey wax, resin, gum, skins, etc.	..	..	157	..	..
	Tangedu, etc., barks and fibres.	69	21	1,441	..	..
	Stone, gravel, earth, etc.	27,540	43	430	..	..
	Date and palmyra leaves, stalks, etc.	73	2	41	..	..
	Miscellaneous, including tree-tapping and tree-owners' fees.	..	..	215	..	500
	Total, minor produce ..	32,979	151	4,270	2	500
	Total, Reserved forests ..	..	822	1,40,988	13,343	1,349
	<i>Reserved lands.</i>	..	..	..	..	..
	Bamboos	700	22	35,382	..	..
	<i>Other produce.</i>	..	..	..	..	..
	Grass (hay, thatch, korai, etc.)	..	..	104	..	..
	Tamarind, soapnuts, etc.	..	..	14,779	..	..
	Horns, honey, etc.	..	..	158	..	..
	Leaves for platters ..	..	..	508	..	..
	Manure leaves and thorns ..	..	..	14	..	..
	Total, minor produce ..	..	..	15,563	..	..
	Total, Reserved lands ..	700	22	50,945	..	..
	<i>Unreserved lands.</i>	..	..	..	..	..
	Bamboos	10,230	193	6,616	156	..
	Grazing and fodder grass ..	..	..	6,874	..	..
	<i>Other produce.</i>	QRS.	..	..	..	..
	Grass (tharbi, korai, etc.)	11,056	69	868	1	..
	Tamarind, soapnuts, galnuts, nux-vomica, shekoi, etc.	605	70	12,607	..	..
	Horns, honey, wax, gum, resin, skins, etc.	..	..	636	..	..
	Tangedu, etc., barks and fibres.	2	2	12,719	..	..
	Stone, gravel, earth, etc.	..	..	2,408	..	..
	Leaves for platters ..	..	..	35	..	..
	Date and palmyra leaves, stalks, etc.	..	..	85	287	..

Outturn of minor forest produce during the year 1923-24—cont.

Circle.	Description of produce.	Produce removed or utilized.				
		By Government agency.		By purchasers.	By free grantees.	By right-holders.
		Quantity.	Value.	Value.	Value.	Value.
First Circle—cont.	<i>Other produce—cont.</i>	NO.	RS.	RS.	RS.	RS.
	Manure leaves and thorns ..	..	..	2	..	..
	Miscellaneous, including tree tapping and tree-owners' fees.	..	..	26,946	..	..
	Total, minor produce ..	11,663	141	56,306	268	..
	Total, Unreserved lands ..	..	334	69,796	424	..
	<i>Abstract for the circle.</i>	..	..	..	..	..
	Bamboos	58,098	886	1,31,618	904	143
	Grazing and fodder grass ..	..	..	53,972	12,593	706
	Other produce in quarters ..	44,642	292	76,159	270	500
	Grand total, First Circle ..	..	1,178	2,61,729	13,767	1,349
Second Circle.	Bamboos	911,587	(a) 18,737	30,559	233	..
	Grazing	..	..	2,40,741	8,716	4,014
	Fodder grass	..	..	4,239	..	..
	Panchayat fees	..	..	16,004	..	..
	Kancha fees	..	..	1,223	..	..
	Total	..	..	2,62,207	8,716	4,014
	<i>Minor forest produce.</i>	..	..	..	..	..
	Grass (hay, thatch and grass) ..	..	..	6,055	75	..
	Tamarind, soapnuts and nux-vomica.	24,031	12,015	17,281	..	..
	Stone, gravel and earth ..	..	..	23,747	..	..
Third Circle.	Date, palmyra and platter leaves.	729	206	720	922	..
	Manure leaves and thorns ..	..	..	2,183	..	..
	Thumki leaves	..	..	39	..	..
	Honey, wax, resin, gum and galnuts	780	1,297	291	..	..
	Tangedu, Rela, Yepi, fibre and seeds.	277	71	78,428	..	..
	Miscellaneous including tree-tapping fees and amaroi.	55	252	1,02,230	140	..
	Total	25,872	(b) 13,840	2,30,974	1,137	..
	Grand total	..	32,577	5,23,740	10,086	4,014
	Bamboos	8,594	288	30,759	338	..
	Grazing and fodder grass ..	..	..	2,29,576	..	144
Third Circle.	<i>Unreserved lands.</i>	QRS. of 28 LB.	..	..	..	..
	Grass (thatch, korai, etc.)	3,192	285	338	11	..
	Honey, wax, etc.	..	..	1,806	..	..
	Tangedu, etc., barks ..	393	1,247	50,485	..	..
	Date and palmyra leaves ..	188	4	2,153	513	..
	Stones, gravel and earth ..	..	..	4,414	28	..
	Manure leaves, tooki and plate leaves, etc.	..	..	11,026	..	..
	Tamarind, soapnuts and nux-vomica.	10,342	4,225	45,989	..	..
	Other miscellaneous produce including tree-owners' fees.	1,232	3,110	49,676	..	..
	Total	15,347	8,871	1,65,887	552	..
Third Circle.	Total of grass and grazing and minor produce.	15,347	8,871	3,95,463	552	144

(a) Excludes the value of balance 8,841 bamboos pending disposal.

(b) Do. 2,736 quarters do.

Outturn of minor forest produce during the year 1923-24—cont.

Circle.	Description of produce.	Produce removed or utilized					
		By Government agency.		By purchasers.	By free grantees.	By right-holders.	Total.
		Quantity.	Value.	Value.	Value.	Value.	Value.
Fourth Circle.	Bamboos	NO 2,795	RS. 23	RS. 99,708	RS. 63	RS. ..	RS. 99,794
	Grass and grazing	..	..	1,95,850	..	73	1,95,923
	Grass (thatch, korai, etc.) ..	QRS. 853	..	398	..	..	398
	Tamarind, soapnuts, galnuts, nux-vomica, etc.	..	608	15,028	..	..	15,636
	Avaram, vembadam, etc., barks.	..	..	16,377	..	..	16,377
	Stone, gravel, earth, etc.	..	..	8,343	..	..	8,343
	Manure leaves, etc.	..	..	31,076	..	..	31,076
	Date, palmyra, etc., leaves	..	..	4	66	..	70
	Miscellaneous including tree-owners' fees.	304	294	40,125	42	..	40,461
	Total ..	1,157	902	1,11,351	108	..	1,12,361
Fifth Circle.	Grand total ..	..	925	4,06,909	171	73	4,08,078
	Reserved forest.	NO.	..	..	..	..	..
	Bamboos	6,674	201	34,695	15	..	34,911
	Grazing	..	..	1,26,971	..	1,026	1,27,997
	Fodder grass	..	..	2,359	375	..	2,734
	Revenue from Panchayat forests.	..	..	4,182	..	..	4,182
	Total ..	..	..	1,33,512	375	1,026	1,34,913
	Other produce.	QRS.	..	..	..	..	..
	Grass (thatch, korai, etc.) ..	1,600	50	2,128	..	..	2,178
	Dammar, turmeric, pepper, cardamoms, etc.	..	..	12,895	..	..	12,895
Sixth Circle.	Tamarind, soapnuts, galnuts, nux-vomica, shekol, etc.	416	21	20,990	..	..	21,011
	Horns, honey, wax, gum, resin, skin, etc.	35	225	2,036	..	..	2,261
	Avaram, vembadam, etc., barks and fibres.	..	..	17,921	..	..	17,921
	Stones, earth, gravel, etc.	..	..	3,018	..	..	3,018
	Manure leaves, thorns, etc.	..	..	3,803	..	..	3,803
	Date and palmyra leaves	..	..	8,818	4	264	9,086
	Elephant tusk	13	2,762	..	..	..	2,762
	Miscellaneous	..	..	17,953	..	..	17,953
	Total ..	2,064	3,058	89,562	4	264	92,888
	Unreserved lands.	..	..	..	..	..	..
Seventh Circle.	Bamboos	..	..	..	1	..	1
	Other produce.	..	..	..	..	..	..
	Miscellaneous	..	..	5,888	..	..	5,888
	Gravel, stones, earth, etc.	..	..	4,109	95	..	4,204
	Date and palmyra leaves	..	..	2,150	..	..	2,150
	Total ..	..	..	11,647	95	..	11,742

Outturn of minor forest produce during the year 1923-24—cont.

Circle.	Description of produce.	Produce removed or utilized							
		By Government agency.		By purchasers.		By free grantees.		By right-holders.	Total.
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Value.	Value.
Fourth Circle.	Abstract for the Fifth Circle.	NO.	RS.	NO.	RS.	NO.	RS.	RS.	RS.
	Bamboos	6,674	201	..	34,695	..	15	..	34,912
	Grazing, fodder grass and revenue from panchayats.	..	..	..	1,33,512	..	375	1,026	1,34,913
	Other produce ..	QRS.	3,058	..	1,01,209	..	99	264	1,04,630
	Grand total ..	..	3,259	..	2,69,416	..	490	1,290	2,74,455
	Reserved forests.	NO.	..	..	..	..	..	..	..
	Bamboos	186,780	27,138	..	17,546	88,403	2,650	..	47,334
	Grazing and fodder grass.	..	..	..	36,666	..	34	..	36,700
	Other produce.	..	..	..	600	..	..	..	600
	Canes and reeds ..	QRS.	1	323	..	..	..	..	323
Fifth Circle.	Tusks	53	578	..	762	..	..	..	1,340
	Blue gum leaves and seeds.	..	..	..	583	..	..	..	583
	Barks, avaram, etc.	..	21	..	790	..	..	..	811
	Thatch grass	..	..	..	247	..	625	..	872
	Stone and gravel ..	..	..	..	16,480	..	..	..	16,480
	Miscellaneous	..	..	..	8	..	..	..	8
	Tree-owner's fees ..	..	..	..	..	..	..	..	..
	Total ..	54	922	..	19,470	..	625	..	21,017
	Reserved lands.	..	..	..	83	9,525	135	..	218
	Bamboos	..	..	..	..	..	717	..	717
Sixth Circle.	Grazing and fodder grass.	..	..	..	..	..	..	..	..
	Other produce ..	..	..	..	..	..	..	..	..
	Honey and wax ..	52	328	..	..	..	..	..	328
	Tusks and horns ..	15	178	..	..	..	..	..	178
	Thatch grass	..	..	..	..	..	19	..	19
	Total ..	67	506	..	83	9,525	871	..	1,460
	Leased forests.	..	..	..	..	..	..	..	..
	Bamboos	91,626	4,963	2,800	112	..	..	..	5,076
	Miscellaneous ..	..	108	..	..	..	..	..	108
	Total ..	91,626	5,071	2,800	112	..	..	..	5,188
Seventh Circle.	Unreserved lands.	..	..	..	..	..	..	..	..
	Bamboos	8,200	1,972	..	39	..	..	..	2,011
	Stone, gravel, etc.	..	..	..	267	..	..	..	267
	Avaram bark	..	..	..	45	..	..	..	45
	Miscellaneous	..	..	..	7,639	..	..	..	7,639
	Tree owner's fees ..	..	..	..	854	..	..	..	854
	Total ..	8,200	1,972	..	8,844	..	..	..	10,816

Outturn of minor forest produce during the year 1923-24—cont.

Circle.	Description of produce.	Produce removed or utilized							
		By Government agency.		By purchasers.		By free grantees.		By right-holders.	Total.
		Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Value.	Value.
Sixth Circle—cont.	<i>Abstract for the Sixth Circle.</i>		RS.		RS.		RS.	RS.	RS.
	Bamboos	NO. 286,601	34,073	..	17,780	..	2,785	..	54,638
	Grazing and fodder grass.	..	..	..	36,666	..	751	..	37,417
	Other minor produce	QRS. 121	1,536	..	28,275	..	644	..	30,455
	Total ..	..	35,609	..	82,721	..	4,180	..	1,22,510
Total, Presidency.	Bamboos	1,274,354	54,208	..	3,45,119	..	4,339	143	4,03,809
	Grazing and fodder grass.	..	..	..	9,11,783	..	22,435	5,963	9,40,181
	Other produce ..	89,303	28,499	..	7,13,835	..	2,810	764	7,45,908
	Grand total, Presidency.	..	82,707	..	19,70,737	..	29,584	6,870	20,89,898

ANNUAL FORM No. 78.

Forest Department, Madras Presidency.

Account of timber, fuel, bamboos and minor produce cut or collected by Government agency and brought to depot, sold locally or otherwise disposed of during 1923-24.

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	252	288	540	(a) 342 (b) 5	192
Vizagapatam	..	1	1	(b) 1	..
Godavari, Upper	13	83	96	(a) 38 (c) 3	55
Do. Lower	..	9	9	(a) 1 (c) 5	1
Total ..	265	381	646	398	248
<i>Second Circle.</i>					
Bellary	..	..	..	..	..
Anantapur	..	..	..	..	..
Guntur	..	1	1	1	..
Kurnool, East	4	15	19	(a) 1 (c) 17	1
Do. South	..	12	12	12	..
Do. West	28	68	96	(b) 1 (c) 48	47
Total ..	32	96	128	80	48
<i>Third Circle.</i>					
Cuddapah, North	..	1	1	1	..
Do. South	..	7	7	5	2
Do. West	..	3	3	3	..
Nellore	..	1	1	(a) 1	..
Chingleput	..	..	..	..	..
Chittoor	1	1	2	2	..
Vellore, North	..	..	..	..	..
Total ..	1	13	14	12	2
<i>Fourth Circle.</i>					
Vellore, South	2	3	5	4	1
Do. West	1	2	3	3	..
Salom, East	..	..	..	..	..
Do. North	3	12	15	10	5
Do. Central	..	1	1	1	..
Do. South	1	1	2	1	1
Total ..	7	19	26	19	7

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

(b) Written off.

(c) Used by the Police on fituri duty.

Note for the Second Circle.—(a) Written off.

(b) Used departmentally.

(c) Sold or otherwise disposed of.

Note for the Third Circle.—(a) Used departmentally.

* Excludes sandalwood 10½ quarters in stock.

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 1923-24—*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)—<i>cont.</i>					
<i>Fifth Circle.</i>					
Kollegal	1	4	5	{ (a) 1 } 4	..
Coimbatore, North	1	{ (a) 15 } 4	20	18	2
Do. South	93	{ (b) 142 } 2	237	130	107
Madura	1	6	7	5	2
Total ..	95	173	269	158	111
<i>Sixth Circle.</i>					
Mangalore, North	16	60	76	62	14
Do. South	56	39	95	{ (a) 31 } { (b) 1 } 5	58
Wynaad	106	94	200	{ (b) 86 } 4	105
Nilambur	454	293	747	{ (a) 171 } { (b) 4 } 18	554
The Nilgiris	42	48	90	{ (a) 45 } 1	43
Palghat	8	10	18	{ (b) 1 } 6	12
Total ..	682	544	1,226	440	786
Exploitation Division ..	21	154	175	127	48
Grand total, Presidency ..	1,104	1,380	2,484	1,234	1,250

FUEL (IN THOUSANDS OF CUBIC FEET).

<i>First Circle.</i>					
Ganjam	2	311	313	221	92
Vizagapatam	1	3	4	2	2
Godavari, Upper	3	5	8	6	2
Do. Lower	13	16	29	{ (e) 27 } 1	1
Total ..	19	335	354	257	97

Note for the Fifth Circle.—(a) Transferred from Kollegal to Coimbatore, North.

(b) Excess by remeasurement.

Note for the Sixth Circle.—(a) Used departmentally.

(b) Written off.

Note for the First Circle.—(c) Used by the Police on fituri duty.

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 1923-24—*cont.*

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
FUEL (IN THOUSANDS OF CUBIC FEET)—<i>cont.</i>					
<i>Second Circle.</i>					
Bellary	..	2	2	2	..
Anantapur and Guntur	..	..	..	..	..
Kurnool, East	39	10	49	{ (a) 37 } { (e) 12 }	..
Do. South	..	22	22	22	..
Do. West	1,778	120	1,898	{ (a) 25 } { (e) 1,013 }	860
Total ..	1,817	154	1,971	1,111	860
<i>Third Circle.</i>					
Cuddapah, North	2	13	15	14	1
Do. South	4	25	29	29	..
Do. West	..	1	1	1	..
Nellore	1	27	28	15	13
Chingleput	..	..	..	..	..
Chittoor	10	25	35	30	5
Vellore, North	..	3	3	3	..
Total ..	17	94	111	92	19
<i>Fourth Circle.</i>					
Vellore, South	2	3	5	4	1
Do. West	..	..	..	..	..
Salem, East	1	..	1	1	..
Do. North	..	2	2	2	..
Do. Central	..	..	..	..	..
Do. South	..	4	4	4	..
Total ..	3	9	12	11	1
<i>Fifth Circle.</i>					
Kollegal	1	..	1	1	..
Madura	..	2	2	2	..
Total ..	1	2	3	3	..
<i>Sixth Circle.</i>					
Mangalore, North	..	87	87	48	39
Do. South	95	121	216	150	66
Nilambur	1	2	3	2	1
The Nilgiris	142	515	657	{ (a) 154 } 7	502
Palghat	..	7	7	..	..
Total ..	238	732	970	362	608
Grand total, Presidency ..	2,095	1,326	3,421	1,836	1,585

Note for the Second Circle.—(a) Written off.

(e) Sold or otherwise disposed off.

Note for the Sixth Circle.—(a) 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 1923-24—cont.

Name of district.	Balance at commencement of the year in forest and sale depots.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forest and sale depots.
BAMBOOS (IN NUMBER).					
<i>First Circle.</i>					
Ganjam	..	8,250	8,250	(a) 8,250	..
Visagapatam	152	21,228	21,380	(c) 1,380	..
Godavari, Upper	..	7,480	7,480	(d) 20,000	..
Do. Lower	..	21,140	21,140	(a) 7,480	..
				(a) 3,014	..
				(a) 18,126	..
Total ..	152	58,098	58,250	58,250	..
<i>Second Circle.</i>					
Bellary, Anantapur and Guntur.	..	..	..	..	..
Kurnool, East	11,158	233,532	244,720	(a) 10,081	..
Do. South	..	4,385	4,385	(b) 729	4,673
Do. West	133	673,670	673,803	(c) 229,237	..
				(a) 4,385	..
				(b) 1,264	4,168
				(c) 668,371	..
Total ..	11,321	911,587	922,908	914,067	8,841
<i>Third Circle.</i>					
Cuddapah, North	..	2,171	2,171	2,171	..
Do. South	..	2,165	2,165	2,165	..
Do. West	..	4,114	4,114	(a) 156	..
				(b) 3,058	900
Nellore	20	50	70	(b) 70	..
Chingleput	..	..	..	..	..
Chittoor	160	60	220	..	..
Vellore, North	..	34	34	220	..
				34	..
Total ..	180	8,594	8,774	7,874	900
<i>Fourth Circle.</i>					
Vellore, South	..	..	..	..	..
Do. West	..	680	680	680	..
Salem, East	..	70	70	70	..
Do. North	65	2,045	2,110	1,160	950
Do. Central	..	..	..	..	..
Do. South	..	..	..	..	..
Total ..	65	2,795	2,860	1,910	950

Note for the First Circle.—(a) Used departmentally.
(b) Written off.
(c) Used by the Police on fituri duty.
(d) Granted free.

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

Note for the Third Circle.—(a) Sold locally.
(b) Used for Government buildings.

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 1923-24—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)—cont.					
<i>Fifth Circle.</i>					
Kollegal	..	300	300	300	..
Coimbatore, North ..	1,023	6,374	7,397	7,236	161
Total ..	1,023	6,674	7,697	7,536	161
<i>Sixth Circle.</i>					
Mangalore, North	..	(d) 66,063	66,063	(a) 66,612	..
				(b) 85	..
				(b) 366	..
Do. South	8	(d) 49,643	49,651	(a) 38,323	11,058
				(a) 275	..
Wynaad	..	(d) 30,416	30,416	(a) 21,611	211
				(b) 4,205	..
				(b) 4,389	..
Nilambur	(c) 1,701	140,014	141,715	(a) 113,793	21,315
				(a) 3,902	..
				(b) 2,705	..
Palghat	2	472	472	472	..
Total ..	1,711	286,606	288,317	255,738	32,579
Grand total, Presidency ..	14,452	1,274,354	1,288,806	1,245,375	43,431

MINOR FOREST PRODUCE (IN QUARTERS OF 28 LB.)

<i>First Circle.</i>					
Ganjam	..	28,640	28,640	(a) 28,640	..
Vizagapatam	69	51	120	97	23
				8	..
Godavari, Upper	247	15,715	15,962	(a) 15,089	861
				(b) 4	..
Do. Lower	80	209	289	(a) 3	41
Kistna	..	27	27	27	..
Total ..	396	44,642	45,038	44,113	925
<i>Second Circle.</i>					
Bellary	(d) ..	..	..	..	..
Anantapur	(e) 9	18	27	27	..
Guntur	4	259	263	156	107
				(a) 14	..
				(b) 500	..
Kurnool, East	2,457	20,035	22,492	(c) 20,649	1,329
				21,163	..
Do. South	4,769	5,560	10,329	(c) 9,029	1,300
Do. West	..	..	..	..	..
Total ..	7,239	25,872	33,111	30,375	2,736

Note for the Sixth Circle.—(a) Used departmentally. (b) Written off.
(c) Errors corrected. (d) Includes bamboos extracted for flood relief works.
Note for the First Circle.—(a) Used departmentally. (b) Written off.
Note for the Second Circle.—(a) Written off. (b) Used departmentally.
(c) Sold or otherwise disposed off.

(d) The quantity 1,490,324 quarters of manganese ore shown in the closing balance of the last year's return was not exploited departmentally and hence the omission in the opening balance of this return in column 2.
(e) The difference between the closing balance of last year and the opening balance of this year is due to omitting fraction of half-quarter from the return.

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 1923-24—cont.

Name of district.	Balance at commencement of the year in forest and sale deposits.	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.)—cont.					
<i>Third Circle.</i>					
Cuddapah, North	578	2,302	2,880	2,218	662
Do. South	..	910	910	592	318
Do. West	27	1,884	1,911	338	1,573
Nellore	1,286	9,852*	11,138	3,733	7,405
Chingleput	..	..	..	..	..
Chittoor	27	98	125	85	40
Vellore, North	719	302	1,021	796	225
Total ..	2,637	15,348	17,985	7,762	10,223
<i>Fourth Circle.</i>					
Vellore, South	103	190	293	171	122
Do. West	112	37	149	105	44
Salem, East	109*	..	109*	109*	..
Do. North	29	47	76	71	5
Do. Central	20	30	50	41	9
Do. South	22	853	875	25	850
Total ..	286	1,157	1,443	413	1,030
<i>Fifth Circle.</i>					
Kollegal	4	35	39	39	..
Coimbatore, North	4	2,000	2,004	1,999	5
Do. South	..	13	13	12	1
Madura	1	16	17	17	..
Total ..	9	2,064	2,073	2,067	6
<i>Sixth Circle.</i>					
Wynaad	4	..	2	2	..
The Nilgiris	173	121	294	(a) 60 (b) 145 23	66
Total ..	175	121	296	230	66
Grand total, Presidency ..	10,742	89,204	99,946	84,960	14,986
	109*	..	109*	109*	..

Note for the Third Circle.—* Actual receipt is 9,851 quarters and 9 lb. But it has been noted as 9,852 in order to make the total including the opening balance tally as the opening balance should have been 1,287 instead of 1,286.

Note for the Fourth Circle.—* 109 cubic feet of rough stone gravel.

Note for the Sixth Circle.—(a) Used departmentally.
(b) Written off.

Forest Department, Madras Presidency.

Statement showing the value of timber and other produce at sale depots for the year 1923-24.

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—Nil.</i>			RS.			RS.	RS.	RS.
	<i>Second Circle.</i>								
Kurnool, South.	Timber ..	..	597	298	..	23	9	..	289
	Fuel ..	..	..	..	..	180	2	2	..
Total value.	....	..	..	298	..	..	11	..	287
	<i>Third Circle.</i>								
Cuddapah, North.	Minor forest produce.	..	..	..	qrs. 182	..	204	204	..
Cuddapah, South.	Timber ..	..	..	..	..	2,479	5,663	5,663	..
	Fuel ..	..	..	..	..	100	3	3	..
	Nux-vomica ..	..	..	..	300	..	294	294	..
	Sandalwood ..	..	..	..	104	..	151	151	..
Cuddapah, West.	Nux-vomica ..	..	..	..	1,535	..	1,460	1,460	..
Nellore ..	Fuel ..	..	1,365	87	..	13,043	815	728	..
	Bamboos ..	20	..	2	..	..	..	..	2
	Minor forest produce.	qrs. 1,286	..	2,614	7,404	..	8,724	6,110	..
Chittoor ..	Timber ..	..	..	..	..	41	330	330	..
	Fuel ..	..	..	..	..	5,391	152	152	..
Vellore, North.	Timber ..	..	..	..	..	31	4	4	..
	Fuel ..	..	..	..	..	495	37	37	..
	Minor forest produce.	qrs. 719	..	1,088	225	..	84	..	954
Total value.	....	..	..	3,741	..	..	17,921	14,180	..
	<i>Fourth Circle.</i>								
Vellore, West.	Timber ..	..	26	816	..	172	3,724	2,908	..
Salem, East.	Timber ..	..	..	..	..	22	652	652	..
Salem, North.	Timber ..	..	3,152	39,459	..	5,011	62,731	23,272	..
	Bamboos ..	no. 65	..	3	no. 950	..	8	..	..
	Minor forest produce.	qrs. 29	..	111	qrs. 5	..	33	..	78
Salem, Central.	Timber ..	..	235	4,450	..	255	3,016	..	1,434
	Fuel ..	..	..	..	..	320	35	35	..
	Minor forest produce.	qrs. 20	..	37	qrs. 9	..	17	..	20
Salem, South.	Timber ..	..	..	..	..	4	2	2	..
	Fuel ..	..	..	..	..	198	10	10	..
	Minor forest produce.	..	..	..	qrs. 849	..	589	589	..
Total value.	....	..	..	44,876	..	70,812	..	25,936	..

ANNUAL
Forest Department,
Summary of revenue of the different

(1)	Budget heads—Receipts.								
	I. Timber and other produce removed from the forests by Government Agency.					II. Timber and other produce consumers or			
	Timber.	Firewood and charcoal.	Bamboos.	Sandalwood.	Grass and other minor produce.	Timber.	Firewood and charcoal.	Bamboos.	Grazing and fodder grass.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
First Circle.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction	..	280	..	..	..	..	4	..	..
Ganjam	97,888	1,466	..	..	..	16,282	33,118	8,934	9,482
Vizagapatam ..	1,241	40	215	..	48	3,206	6,174	17,452	4,662
Godavari, Upper ..	39,142	380	..	..	6	6,497	863	30,456	7,185
Godavari, Lower ..	314	3,887	..	..	2	27,819	72,625	66,134	16,339
Kistna	95	47	..	..	17	3,521	22,177	8,399	16,304
Total ..	1,38,680	6,090	215	..	73	67,325	1,34,961	1,31,375	53,972
Second Circle.									
Direction	..	..	..	..	..	..	..	..	..
Bellary	..	71	..	..	..	6,907	10,911	..	28,155
Anantapur	..	25	..	..	..	12,421	3,461	373	41,686
Guntur	..	..	..	..	71	16,586	32,529	51	85,297
Kurnool, East ..	10,622	424	4,749	..	8,348	3,424	278	1,222	49,153
„ South	9,966	701	..	..	..	12,345	9,070	28,908	19,049
„ West	20,103	5,963	13,988	..	5,421	9,691	3,669	..	38,867
Total ..	40,691	7,154	18,737	..	13,840	61,374	60,118	30,559	2,62,207
Third Circle.									
Direction	..	..	..	..	..	..	..	..	..
Cuddapah, North ..	17	118	1	..	26	8,917	6,398	3,889	23,389
„ South	8,712	288	..	..	24	6,409	4,249	2,245	9,211
„ West	117	28	2	..	..	11,039	4,178	1,465	27,051
Nellore	3	442	..	..	..	8,608	3,847	66,804	72
Chingleput	2	7	..	..	29	8,014	14,393	24	23,921
Chittoor	164	779	1	22	..	14,866	12,524	8,527	42,219
Vellore, North ..	11	168	2	..	..	863	20,140	22,093	13,665
Total ..	9,028	1,930	6	25	7,538	73,232	1,30,639	9,887	2,19,643
Fourth Circle.									
Direction	..	..	..	2,150	..	..	..	..	..
Forest Engineer ..	..	..	..	..	..	..	..	..	..
South Vellore ..	25	204	..	54,665	41	11,733	12,724	43,484	23,691
West Vellore ..	114	..	..	51,089	..	1,801	3,406	9,903	27,468
East Salem	..	28	..	8,713	40	11,881	14,886	19,198	46,355
North Salem ..	686	145	2	206,617	23	8,738	1,157	5,303	28,984
Central Salem ..	8	33	..	9,021	10	10,354	10,259	8,598	34,645
South Salem ..	2	110	..	28,108	7	25,377	26,107	9,005	29,731
Tanjore	..	..	..	..	..	1,507	3,908	14	141
Total ..	885	520	2	3,55,368	121	65,891	72,447	95,505	1,96,015

Note.—Of the revenue under I (d) Rs. 2,150 relate to other Circle (Rs. 1,273 to Chittoor, Rs. 15 to North Vellore, Rs. 48 to South Cuddapah, Third Circle, and Rs. 814 to Tinnevely, Fifth Circle.

FORM No. 80.

Madras Presidency.

districts for the year 1923-24.

removed from the forests by purchasers.				III. Confiscated drift and waif wood.	IV. Revenue from forest not managed by Government—Revenue from shared and private forests.	V. Miscellaneous.		Total Receipts.	Deduct 'Refunds' Voted.	Net Revenue Receipts.
Other produce.	Rents for trees tapped.	Other items.	Commutation fees.			Vines and for- fetures.	Other sources.			
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
35	..	..	..	..	..	..	(a) 1,099	1,418	..	1,418
6,108	1,110	..	..	419	..	4,566	5,685	1,85,048	113	1,84,935
12,796	892	..	..	19	..	2,604	483	49,832	77	49,755
1,005	..	..	..	1,096	..	1,089	1,574	89,293	419	88,874
26,757	5,853	..	..	3,385	..	7,181	3,888	2,34,184	1,519	2,32,665
10,663	11,508	..	..	164	..	6,935	3,972	83,800	217	83,583
57,364	19,361	..	..	5,083	..	22,375	16,701	6,43,575	2,345	6,41,230
..	..	..	..	..	..	..	12	12	..	12
23,343	36,539	..	..	54	..	8,455	1,510	1,15,950	2,311	1,18,639
50,208	16,302	..	..	225	..	9,945	695	1,35,336	38	1,35,298
23,415	5,767	..	..	271	..	40,511	3,391	2,07,889	4,036	2,03,853
5,272	1,096	..	..	648	..	7,487	1,149	93,872	173	93,699
16,705	2,846	..	..	1,047	..	10,654	5,425	1,16,716	365	1,16,351
37,933	11,553	..	..	441	..	4,009	2,531	1,54,369	243	1,54,126
1,56,871	74,103	..	..	2,686	..	81,061	14,713	8,24,144	7,166	8,16,978
..	..	..	..	..	..	..	4	4	..	4
8,234	1,031	..	..	439	..	4,157	797	57,413	196	57,217
15,319	1,739	70	..	1,056	..	2,845	868	53,135	519	52,616
19,340	2,868	..	..	449	..	7,420	707	74,654	2,023	72,631
14,664	8,737	..	..	327	..	16,456	1,127	1,86,558	560	1,85,998
8,295	2,779	..	..	159	..	8,576	891	62,090	67	62,023
44,776	5,325	..	..	267	..	14,061	2,119	1,45,650	698	1,44,952
20,457	4,730	..	..	150	..	13,629	755	1,23,032	454	1,22,578
1,31,085	27,209	70	..	2,847	..	62,144	7,268	7,02,546	4,517	6,98,029
..	..	..	..	..	..	..	39	2,189	..	2,189
..	..	..	..	..	..	..	9	9	..	9
18,071	3,693	..	..	359	..	18,749	522	1,92,961	9,677	1,83,284
10,709	415	..	..	629	..	5,718	2,431	1,13,183	5,178	1,08,007
18,523	1,149	7	..	449	..	17,057	2,138	1,40,424	1,934	1,38,490
10,980	971	1,015	..	144	..	4,649	1,426	2,65,840	15	2,65,825
12,901	104	690	438	318	..	8,989	9,994	1,06,357	445	1,05,912
53,759	17	..	..	239	..	26,706	3,264	1,97,432	622	1,96,810
10,418	156	6,209	..	..	..	3,760	218	26,331	..	26,331
1,35,361	6,505	7,921	438	2,183	..	85,628	20,041	10,44,726	17,769	10,26,957

(a) Includes Rs. 935 relating to Ganjam.

Summary of revenue of the different

(1)	Budget heads—Receipts								
	I. Timber and other produce removed from the forests by Government Agency.					II. Timber and other produce consumers or			
	Timber.	Firewood and charcoal.	Bamboos.	Sandalwood.	Grass and other minor produce.	Timber.	Firewood and charcoal.	Bamboos.	Grazing and fodder grass.
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
<i>Fifth Circle.</i>	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Direction ..	(a) 17,243	3	..	(b) 3,14,250	..	..	50	..	..
Kollegal ..	259	15	..	..	225	4,958	3,121	5,219	49,575
Coimbatore, North.	933	4	10	1,03,658	32	18,627	31,119	18,034	42,875
Coimbatore, South.	1,84,762	..	..	..	(g) 1,459	13,611	18,169	6,716	(d) 5,882
Madura ..	7,624	130	..	..	6	7,839	63,594	3,739	22,160
Tinnevely ..	266	14	..	(e) ..	..	1,219	1,41,405	987	13,023
Forest Engineer ..	..	..	..	..	..	..	..	..	..
Total ..	2,11,087	166	10	4,17,908	1,722	46,255	2,63,458	34,695	1,33,515
<i>Sixth Circle.</i>									
Direction ..	(a) 32,743	..	..	..	..	..	..	..	..
North Mangalore ..	30,963	2,407	94	2,840	..	27,268	41,205	4,042	5,754
South Mangalore ..	41,036	3,977	..	3,885	40	9,062	4,500	407	10,479
Wynaad ..	1,01,466	..	2,086	..	114	7,432	389	925	4,728
Nilambur ..	2,58,086	137	9,564	..	47	29,804	..	127	..
The Nilgiris ..	17,732	9,243	..	21,194	1,070	3,057	6,895	537	9,460
Palghat ..	1,661	481	10	..	..	7,486	45,354	6,939	6,246
Forest Research Office.	..	..	..	..	..	..	..	..	..
Total ..	4,83,687	16,245	11,754	27,919	1,271	84,109	98,343	12,977	36,667

Notes for Fifth Circle—

- (a) Relates to South Coimbatore.
 (b) Rupees 2,09,694 relates to North Coimbatore and the balance to Kollegal.
 (c) Excludes Rs. 814 credited in the South Vellore accounts.
 (d) Includes Rs. 3 wrongly credited to II (d) instead of to V (b).
 (e) Includes Rs. 173 relating to South Coimbatore and Rs. 455 to IV Circle.
 (f) Excludes Rs. 4,600 credited in the accounts of the VI Circle.
 (g) Includes Rs. 56 and Rs. 344 pertaining to Nilambur and Wynaad divisions respectively in the VI Circle.

The revenue for V Circle including the amounts credited in the Sixth Circle and South Vellore district and excluding the amount pertaining to IV and VI Circles comes to Rs. 13,22,103.

districts for the year 1923-24—cont.

—cont.

removed from the forests by purchasers.				III. Confiscated drift and waif-wood.	IV. Revenue from forest not managed by Government—Revenue from shared and private forests.	Miscellaneous		Total receipts.	Deduct 'Refunds'—Voted.	Net Revenue Receipts.
Other produce.	Rents for trees tapped.	Other items.	Commutation fees.			Fines and forfeitures.	Other sources.			
(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Rs.	Rs.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.	Rs.	Rs.
..	..	..	..	..	..	..	68	3,31,614	..	3,31,614
4,502	45	..	..	89	..	4,466	2,051	74,526	77	74,449
14,392	23	..	..	175	..	11,742	2,517	2,44,141	292	2,43,849
12,389	..	..	..	137	..	3,290	(f) 51,200	2,95,615	199	2,95,416
(e) 32,964	..	..	..	1,173	..	12,178	9,942	1,66,289	901	1,65,388
35,714	..	..	..	398	..	7,618	3,276	2,06,920	201	2,06,719
..	..	..	..	..	..	..	109	109	..	109
99,901	68	..	..	1,972	..	39,294	69,163	13,19,214	1,670	13,17,544
..	..	..	..	..	..	..	(b) 6,211	38,954	1	38,953
2,446	401	..	..	467	..	6,283	1,239	1,25,409	540	1,24,869
6,581	461	..	..	230	..	7,041	3,390	91,089	1,602	89,487
2,997	..	..	..	19	..	1,307	15,442	1,36,905	12	1,36,893
2,095	..	..	..	3	..	1,047	8,610	3,07,520	147	3,07,373
2,074	..	..	..	33	..	2,850	27,278	1,01,423	185	1,01,238
8,493	..	..	..	146	..	6,522	2,044	85,382	103	85,279
..	..	..	..	..	..	..	29	29	..	29
24,686	862	..	..	898	..	25,050	62,243	8,86,711	2,590	8,84,121
										(o)

Notes for Sixth Circle—

(a) Revenue relating to the forest exploitation division credited in the account of the Sixth Circle. (Forest Exploitation Division is omitted.)

(b) Includes Rs. 4,600 on account of sale of elephants relating to Fifth Circle and Rs. 1,582 being revenue on account of the Forest Exploitation Division.

(c) Excludes Rs. 400 being revenue on account of sale of ivory credited in the Fifth Circle (Rs. 344 Wynaad and Rs. 56 Nilambur).

Notes—

Total revenue as per this statement.

Deduct—

- (1) Revenue relating to Fifth Circle. 4,600 ..
 (2) Revenue relating to Forest Exploitation Division. 34,325 38,925

Add revenue for Sixth Circle credited to Fifth Circle. 8,45,196 400

Net revenue for Sixth Circle .. 8,45,596

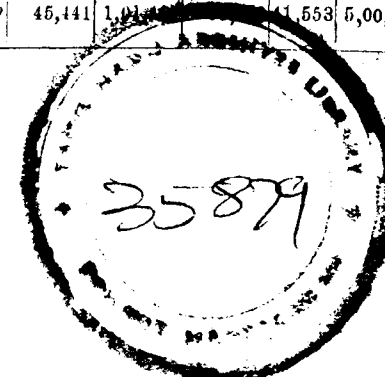
Summary of expenditure of the different districts for the year 1923-24.

Budget heads	Direction.	Ganjam.	Vizaga- patam.	Godavari, Upper.	Godavari, Lower.	Kistna.	Total.
FIRST CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
B. Conservancy and Works.							
I. Timber and other produce removed from the forests by Government Agency—							
(a) Timber	..	40,098	184	14,398	4	..	54,684
(b) Firewood and charcoal ..	..	804	..	179	131	..	1,114
(c) Bamboos	..	..	87	..	..	..	87
(d) Sandalwood	..	..	..	..	..	..	..
(e) Grass and other minor produce.	..	..	..	..	19	..	19
II. Timber and other produce removed from the forests by consumers or purchasers.	..	4,801	3,233	3,383	13,140	3,818	28,375
III. Confiscated drift and waifwood ..	..	67	..	57	202	..	326
IV. Forests not managed by Government—							
(a) Shared and private forests.	..	..	..	..	..	..	..
V. Rent of leased forests and payments to sharcholders in forests managed by Government.	..	..	483	..	..	..	483
VI. Live-stock, stores, tools and plant—							
(a) Purchase of cattle	..	..	..	..	..	..	..
(b) Feed and keep of cattle ..	..	..	..	1,845	..	..	1,845
(c) Stores, tools and plant ..	..	1,294	57	1,062	7,958	1,262	11,638
VII. Communications and buildings—							
(a) Roads and bridges	..	2,318	1,467	1,246	1,647	163	6,841
(b) Buildings	..	9,483	991	3,524	4,079	38	18,115
(c) Other works	..	16	53	304	29	206	602
VIII. Demarcation, improvement and extension of forests—							
(a) Demarcation	..	9	23	4	727	44	807
(b) Cost of forest settlement, compensation for land and rights.	..	..	..	..	..	..	..
(c) Surveys—							
(1) Local	..	..	..	..	..	..	..
(2) India	..	..	..	..	..	..	..
(d) Working plans	..	..	..	..	..	..	..
(e) Sowing and planting ..	198	141	99	327	107	18	884
(f) Protection from fire ..	..	5,663	1,334	6,495	3,857	461	16,815
(g) Other works	..	1,688	28	287	72	50	2,125
IX. Miscellaneous—							
Non-voted—							
(a) Rates and taxes	..	..	1	..	86	39	126
Voted—							
(b) Law charges	..	..	16	..	..	2	18
(c) Other charges	..	471	..	62	..	46	579
Investment on Government commercial undertakings.	..	75	..	..	..	..	75
Loss on Government commercial undertakings.	..	6,216	..	..	..	..	6,216
Total, B. Conservancy and Works	198	73,149	8,061	82,173	32,052	6,141	1,51,774

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Ganjam.	Vizaga- patam.	Godavari, Upper.	Godavari, Lower.	Kistna.	Total.
FIRST CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
C. Establishments.							
I. Pay of officer—							
Non-voted—							
(a) Conservator	21,924	..	..	..	..	..	21,924
(b) Superior officers appointed by the Secretary of State.	..	21,701	3,523	2,917	..	..	28,144
II. Pay of officers—							
Voted—							
Superior officers appointed in India.	..	1,500	4,699	5,856	5,170	6,066	23,291
III. Establishment—							
Voted—							
(a) Subordinate forest and depot establishments.	..	48,509	16,417	36,649	35,298	16,122	1,52,996
(b) Office establishments	8,853	13,583	6,293	10,739	10,018	6,726	56,212
IV. Allowances, Honoraria, etc.—							
(a) Travelling allowances—							
(1) Conservators	3,484	..	..	..	..	..	3,484
(2) Superior officers	6	5,800	1,542	1,209	1,074	1,207	10,838
(3) Subordinate forest and depot establishments.	..	7,287	1,259	3,976	4,552	1,532	13,606
(4) Office establishments	1,005	1,530	612	2,069	1,402	439	7,057
(b) Fixed travelling allowance, etc.—							
(1) Fixed travelling allowance and conveyance allowances.	..	3,252	1,792	5,821	1,256	1,281	1,760
(2) House-rent and other allowances.	..	303	..	8,916	1,461	31	10,105
(c) Honoraria	..	..	..	..	..	..	..
V. Contingencies—							
(a) Contract group—							
(1) Service postage and telegram charges.	400	1,352	2	890	1,296	662	4,602
(2) Other contract contingencies ..	1,405	1,251	541	1,286	1,371	742	6,596
(b) Non-contract groups—							
Non-voted—							
(1) Rates and taxes	416	223	270	..	21	97	1,027
(2) Pay of menials where non-contract.	..	..	..	..	..	..	..
(3) Rents	..	..	..	54	144	468	666
(4) Other contingencies	39	375	430	516	44	39	1,443
Total, C. Establishments	37,532	1,06,063	37,380	69,256	63,107	35,412	3,48,750
Grand Total of Expenditure, B and C	37,730	1,79,212	45,441	1,01,492	1,15,531	50,054	5,00,524

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Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Bellary.	Ananta- pur.	Guntur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
SECOND CIRCLE.								
B. Conservancy and Works.								
I. Timber and other produce removed from the forests by Government Agency—								
(a) Timber	..	..	..	..	2,634	1,172	5,588	9,394
(b) Firewood and charcoal ..	..	10	..	141	147	342	753	1,393
(c) Bamboos	..	..	..	..	3,445	..	6,823	10,268
(d) Sandalwood	..	..	..	..	..	..	..	..
(e) Grass and other minor produce.	..	..	..	239	4,096	20	1,568	5,923
II. Timber and other produce removed from the forests by consumers or purchasers.	..	1,234	5,822	11,516	3,634	3,595	8,854	34,655
III. Confiscated drift and walfwood ..	..	..	..	..	11	40	10	61
IV. Forests not managed by Government—								
(a) Shared and private forests.	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government.	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—								
(a) Purchase of cattle	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle ..	..	..	..	..	..	..	1,776	1,776
(c) Stores, tools and plant ..	2	66	151	312	427	258	340	1,556
VII. Communications and buildings—								
(a) Roads and bridges	..	..	..	1,065	7,876	5,173	4,014	18,128
(b) Buildings	..	1,692	2,714	2,527	3,442	3,354	2,642	16,371
(c) Other works	..	53	4	340	844	220	277	1,733
VIII. Demarcation, improvement and extension of forests—								
(a) Demarcation	..	145	138	184	..	166	551	1,184
(b) Cost of forest settlement; compensation for land and rights.	..	..	..	..	..	18	..	—18
(c) Surveys—								
(1) Local	..	..	..	..	936	..	49	985
(2) India	..	..	..	..	..	..	..	..
(d) Working-plans	..	..	..	175	..	20	..	195
(e) Sowing and planting	..	..	54	100	202	1,022	2,147	6,447
(f) Protection from fire	..	..	470	277	..	340	1,028	1,467
(g) Other works	..	..	..	943	1,113	50	371	2,477
IX. Miscellaneous—								
Non-voted—								
(a) Rates and taxes	..	..	..	..	..	..	..	..
Voted—								
(b) Law charges	..	..	3	..	6	29	13	51
(c) Other charges	..	..	1,142	..	203	1,685	40	3,617
Total, B. Conservancy and Works ..	2	4,869	9,206	17,853	31,631	17,620	45,147	1,26,378

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Bellary.	Ananta- pur.	Guntur.	Kurnool, East.	Kurnool, South.	Kurnool, West.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
SECOND CIRCLE—cont								
C. Establishments.								
I. Salaries—								
(a) Conservators	18,894	..	..	..	..	..	..	18,894
(b) Superior officers appointed by Secretary of State.	1,977	2,700	1,250	1,657	..	3,125	3,751	14,460
II. Superior officers appointed in India.	..	7,330	6,454	19,957	5,260	9,343	14,984	63,328
II. (a) Subordinate forest and depot establishments.	..	35,677	40,329	34,273	34,832	45,222	54,122	2,44,455
(b) Office establishments	9,791	7,900	8,735	8,508	9,708	9,427	17,814	71,883
V. Travelling allowances—								
(a) (1) Conservators	3,465	..	..	200	..	..	150	3,815
(2) Superior officers	804	1,420	1,096	4,035	2,095	2,640	2,833	14,923
(3) Subordinate forest and depot establishments.	..	2,441	3,717	2,995	3,700	5,647	5,801	24,301
(4) Office establishments	1,321	610	1,252	1,838	1,074	1,456	1,685	9,036
V. (a) (1) Fixed travelling allowance and conveyance allowances.	..	1,899	2,847	2,646	3,468	2,052	5,699	18,611
VI. Contingencies—								
V. (a) (1) Service postage and telegrams.	491	531	830	865	886	836	1,149	5,588
(2) Other contracts and contingencies.	1,291	1,002	1,204	1,529	1,551	1,637	1,228	9,442
(b) (1) Rates and taxes	..	445	151	30	28	45	101	800
(3) Rents	400	..	..	114	402	..	83	999
(4) Other contingencies	45	277	56	130	257	418	5,865	7,048
Total, C. Establishments	38,479	62,232	67,921	78,577	63,261	81,848	1,15,265	5,07,583
Grand Total of Expenditure, B and C ..	38,481	67,101	77,127	96,430	94,942	99,468	1,60,412	6,33,961

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Cuddapah, North.	Cuddapah, South.	Cuddapah, West.	Nellore.	Chingleput.	Chittoor.	Vellore, North.	Total.
THIRD CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
B. Conservancy and Works.									
I. Timber and other produce removed from the forest by Government Agency—									
(a) Timber ..	..	..	2,870	..	..	..	721	40	3,631
(b) Firewood and charcoal.	..	..	13	8	25	..	180	..	226
(c) Bamboos ..	..	..	..	..	..	..	..	..	..
(d) Sandalwood ..	..	..	..	..	..	..	167	..	167
(e) Gross and other minor produce.	..	156	228	935	5,871	28	..	35	7,248
II. Timber and other produce removed from the forests by consumers or purchasers.	..	2,589	2,321	6,985	2,975	2,757	11,321	10,297	39,245
III. Confiscated drift and waifwood.	..	10	16	48	531	..	6	2	622
IV. Forests not managed by Government—									
(a) Shared and private forests.	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government.	..	..	..	..	..	..	..	..	..
VI. Live-stock, stores, tools and plant—									
(a) Purchase of cattle.	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle.	..	..	..	..	..	25	..	..	..
(c) Stores, tools and plant.	92	266	344	426	1,795	181	727	68	3,899
VII. Communications and buildings—									
(a) Roads and bridges.	..	693	1,551	1,075	32	1,083	3,685	2,034	10,153
(b) Buildings ..	..	3,953	4,544	4,425	4,806	4,807	2,873	2,210	27,618
(c) Other works ..	..	469	512	1,100	344	44	990	40	3,499
VIII. Demarcation, improvement and extension of forests—									
(a) Demarcation ..	..	99	..	..	168	625	323	120	1,335
(b) Cost of Forest Settlement; compensation for land and rights.	..	..	4,220	..	136	..	205	..	4,561
(c) Surveys { Local ..	..	..	..	..	1	..	..	..	1
(d) Working-plans ..	..	..	..	..	..	..	..	..	..
(e) Sowing and planting.	..	8	124	42	38	2	790	981	1,985
(f) Protection from fire.	..	689	899	1,263	1,578	1,334	4,114	298	10,175
(g) Other works ..	..	..	855	302	2,086	281	1,366	234	5,124
IX. Miscellaneous—									
Non-voted—									
(a) Rates and taxes ..	..	..	..	..	..	..	..	10	10
Voted—									
(b) Law charges ..	..	13	13	2	8	..	..	..	40
(c) Other charges ..	..	94	..	23	..	24	..	..	500
Total, B. Conservancy and Works.	92	9,048	18,510	16,634	20,394	11,186	27,829	16,373	1,20,066

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Cuddapah, North.	Cuddapah, South.	Cuddapah, West.	Nellore.	Chingleput.	Chittoor.	Vellore, North.	Total.
THIRD CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
O. Establishments.									
I. Salaries—									
Non-voted—									
(a) Pay of Conservators.	31,118	..	..	..	..	823	7,475	..	31,118
(b) Pay of other officers appointed by the Secretary of State.	4,200	..	7,487	..	..	..	..	..	19,985
II. Pay of superiors appointed in India—Voted.	..	5,700	876	7,932	8,777	7,430	5,590	7,475	43,780
III. Pay of establishment—									
Voted—									
(a) Subordinate forest and depot establishment.	..	33,708	38,337	36,976	55,303	29,253	57,086	23,992	2,74,655
(b) Office establishments.	11,371	7,686	8,718	9,039	9,702	5,538	10,408	7,410	69,872
IV. Travelling allowance of—									
(a) (1) Conservators ..	3,095	..	..	..	..	..	386	..	3,481
(2) Superior officers.	586	969	1,728	1,543	2,723	1,444	3,811	1,300	14,204
(3) Subordinate forest and depot establishment.	..	5,359	2,066	3,416	3,659	1,955	3,604	1,732	21,791
(4) Office establishment.	1,472	760	800	856	1,054	1,002	1,204	676	7,824
(b) (1) Fixed travelling allowance.	..	2,434	4,448	4,158	4,375	2,243	5,439	1,645	24,740
V. Contract contingencies—									
Voted—									
(a) (1) Service postage ..	410	624	684	675	844	560	973	565	5,335
(2) Office expenses ..	3,835	1,272	871	1,279	1,227	642	1,661	495	11,282
(b) Non-contract contingencies.	..	..	..	..	..	..	..	..	..
Non-voted—									
(1) Rates and taxes ..	..	44	32	15	58	22	214	112	497
Voted—									
(2) Rents ..	..	..	..	174	..	550	5	..	729
(4) Other contingencies.	34	359	102	710	653	50	..	160	2,068
Total, C. Establishments ..	56,121	58,915	66,149	66,873	88,373	51,512	97,856	45,562	5,31,361
Grand Total of Expenditure ..	56,213	67,963	84,659	83,507	1,08,767	62,698	1,25,685	61,935	6,51,427

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Forest Engi- neer.	Vellore, South.	Vellore, West.	Salem, East.	Salem, North.	Salem, Central.	Salem, South.	Tanjore.	Total.
FOURTH CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
B. Conservancy and Works.										
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber ..	..	..	41	134	60	251	..	..	..	486
(b) Firewood and charcoal ..	..	..	..	..	..	59	70	..	..	129
(c) Bamboos ..	..	..	..	..	..	..	..	..	..	..
(d) Sandalwood ..	..	..	..	..	..	..	..	..	..	..
(e) Grass and other minor produce ..	..	..	4,152	5,936	992	21,207	1,573	3,252	..	37,061
II. Timber and other produce removed from the forests by consumers or purchasers.	..	..	2,991	2,513	5,518	3,376	6,273	5,267	198	26,186
III. Confiscated, drift and waif wood.	..	..	..	15	1	3	2	5	..	26
IV. Forests not managed by Government—										
(a) Shared and private forests.	..	..	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government.	..	..	..	..	..	2	..	..	..	2
VI. Live-stock, stores, tools and plant—										
(a) Purchase of cattle.	..	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle.	..	..	..	..	..	..	..	..	..	..
(c) Stores, tools and plant.	13	294	276	178	113	450	200	107	..	1,631
VII. Communications and buildings—										
(a) Roads and bridges.	..	2,608	2,866	3,021	177	654	1,504	2,141	..	12,971
(b) Buildings ..	22	..	6,046	4,652	2,005	1,321	1,528	3,175	..	18,982
(c) Other works ..	..	..	1,165	190	80	270	28	4	..	1,737
VIII. Demarcation, improvement and extension of forests—										
(a) Demarcation ..	..	..	..	50	685	..	437	630	..	1,845
(b) Cost of forest settlement; compensation for land and rights.	..	..	..	267	..	..	..	711	43	978
(c) Surveys. [Local India.	..	..	..	..	..	..	..	..	..	..
(d) Working plans.	..	..	..	..	..	..	..	..	..	..
(e) Sowing and planting.	..	..	658	954	699	202	351	137	..	3,001
(f) Protection from fire.	..	..	1,082	862	1,129	1,020	1,295	973	20	6,381
(g) Other works ..	..	..	127	211	320	280	221	30	30	1,219

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Forest Engi- neer.	Vellore, South.	Vellore, West.	Salem, East.	Salem, North.	Salem, Central.	Salem, South.	Tanjore.	Total.
FOURTH CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Conservancy and Works—cont.										
IX. Miscellaneous—										
Non-voted—										
(a) Rates and taxes.	..	..	..	71	..	10	1	2	..	84
Voted—										
(b) Law charges ..	..	..	2	..	15	52	..	23	..	92
(c) Other charges ..	..	..	25	10	..	53	15	50	..	153
Total, B. Conservancy and Works.	16	2,902	19,425	19,068	11,794	29,210	13,824	16,549	460	1,18,216
C. Establishments.										
I. Salaries—										
Non-voted—										
(a) Conservators ..	22,781	..	..	..	..	..	..	..	..	22,781
(b) Superior officers appointed by the Secretary of State.	5,250	5,925	..	12,404	..	..	..	725	..	24,804
II. Salaries—										
Voted—										
Superior officers appointed in India.	..	1,933	16,077	1,150	7,051	5,935	6,384	5,664	..	44,194
III. Voted—										
(a) Subordinate Forest and depot establishments.	..	3,121	29,879	29,676	35,733	29,486	29,528	35,769	975	1,94,167
(b) Office establishments.	9,126	1,649	9,259	8,779	8,609	9,630	9,505	10,046	..	66,603
IV. Allowances, honoraria, etc.										
(a) Travelling allowances—										
(1) Conservators.	2,122	..	2,063	1,705	1,005	965	100	..	..	2,222
(2) Superior officers.	651	992	2,063	1,705	1,005	965	688	1,434	..	9,443
(3) Subordinate Forest and depot establishments.	..	889	2,329	2,944	2,997	5,354	1,944	3,521	120	20,098
(4) Office establishments.	564	520	752	1,133	632	798	464	1,278	..	6,141
(b) (1) Fixed travelling allowances and conveyance allowances.	..	70	2,646	2,044	1,846	2,576	2,212	2,758	10	14,162
V. Contingencies—										
Voted Contract items—										
(a) (1) Service postage and telegrams.	300	50	650	577	764	988	1,056	951	30	5,366
(2) Other contract contingencies.	2,841	..	1,267	1,048	1,257	1,266	770	1,143	15	9,607
Non-contract items—										
Non-voted—										
(b) (1) Rates and taxes.	..	50	214	78	401	15	172	20	..	950
Voted—										
(b) (2) Pay of menials when non-contract.	..	..	..	..	..	..	..	..	..	..
(3) Rents ..	..	250	..	8	..	200	..	240	..	748
(4) Other contingencies.	100	841	155	92	59	61	174	240	11	1,543
Total, C. Establishments.	48,735	16,290	65,231	61,638	60,354	57,274	52,927	63,549	1,161	4,22,229
Grand Total of Expenditure.	48,713	19,192	84,656	80,706	72,148	86,484	66,821	80,098	1,621	5,35,445

(a) Includes a sum of Rs. 2,705 being the fixed travelling allowance and conveyance allowance of

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevely.	Forest Engineer.	Total.
FIFTH CIRCLE.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
B. Conservancy and Works.								
I. Timber and other produce removed from the forests by Government Agency—								
(a) Timber	..	..	(A) 13,967	76,574	2,679	49	..	93,569
(b) Firewood and charcoal.	..	..	..	..	..	..	..	..
(c) Bamboos	..	..	..	..	..	..	..	..
(d) Sandalwood ..	614	6,886	29,265	..	..	116	..	36,881
(e) Grass and other produce.	..	116	159	2	..	..	..	277
11. Timber and other produce removed from the forests by consumers or purchasers.	..	3,564	6,814	1,848	9,885	5,288	..	27,849
III. Confiscated drift and waif-wood.	..	..	23	19	3	..	..	45
IV. Forests not managed by Government—								
(a) Shared and private forests.	..	..	..	..	..	..	..	..
V. Rent of leased forests and payments to shareholders in forests managed by Government.	..	..	..	3,081	..	..	..	3,081
VI. Live-stock, stores, tools and plant—								
(a) Purchase of cattle ..	..	..	..	7,781	..	..	..	7,781
(b) Feed and keep of cattle.	..	..	..	42,710	..	..	..	42,710
(c) Stores, tools and plant.	1,210	41	399	4,082	18	506	271	6,527
VII. Communications and buildings—								
(a) Roads and bridges ..	3,455	936	3,265	14,138	10,144	4,279	68,671	1,04,888
(b) Buildings	5,765	864	2,604	3,932	2,898	4,554	..	20,617
(c) Other works	..	73	71	601	868	2	85	1,195
VIII. Demarcation, improvements and extension of forests—								
(a) Demarcation	..	410	20	83	320	41	..	874
(b) Cost of forest settlement, compensation for land and rights.	..	..	..	..	..	..	..	..
(c) Surveys { Local ..	..	..	..	..	..	..	..	..
India	..	..	..	..	..	..	..	..
(d) Working plans ..	1,987	..	..	..	..	..	..	..
(e) Sowing and planting.	..	21	252	13,787	188	4,891	..	1,987
(f) Protection from fire.	..	502	1,325	662	2,254	1,574	..	19,149
(g) Other works	..	2,676	988	891	1,699	1,261	..	6,317
IX. Miscellaneous—								
Non-voted—								
(a) Rates and taxes ..	..	13	..	..	239	..	..	252
Voted—								
(b) Law charges	..	89	..	..	3	..	..	92
(c) Other charges	278	38	1,224	1,363	10	284	..	3,197
Total, B. Conservancy and Works.	13,309	16,129	60,386	1,71,554	31,003	22,795	69,027	3,84,203

(A) Includes Rs. 13,835 spent by Mr. T. Clear while in charge of North Coimbatore division for despatch of timber for sale at the British Empire Exhibition in London.

Summary of expenditure of the different districts for the year 1923-24—cont.

Budget heads.	Direction.	Kollegal.	Coimbatore, North.	Coimbatore, South.	Madura.	Tinnevely.	Forest Engineer.	Total.
FIFTH CIRCLE—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
C. Establishments.								
I. Salaries—								
Non-voted—								
(a) Conservators	25,800	..	..	..	..	..	..	25,800
(b) Superior officers appointed by the Secretary of State.	..	..	14,142	15,145	2,878	..	2,125	34,290
II. Salaries—								
Voted—								
Superior officers appointed in India.	3,436	6,650	..	2,400	5,009	12,789	1,933	32,217
II. Establishment—								
Voted—								
(a) Subordinate forest and depot establishments.	5,857	30,244	37,427	47,745	39,100	40,291	3,121	2,03,785
(b) Office establishments ..	10,291	6,856	8,563	11,412	9,829	10,043	1,649	58,643
V. Allowances, honoraria, etc.—								
(a) Travelling allowances—								
(1) Conservators	3,105	..	..	..	..	..	..	3,105
(2) Superior officers ..	1,639	1,516	2,532	4,317	2,371	2,403	743	15,521
(3) Subordinate forest and depot establishments.	1,175	2,216	4,100	4,228	3,152	3,229	889	18,989
(4) Office establishments ..	784	566	751	1,042	1,580	748	560	6,031
(c) Fixed travelling allowance, etc.—								
(1) Fixed travelling allowance and conveyance allowances.	224	1,613	3,264	2,756	3,576	1,975	70	13,478
(2) House-rent and other allowances.	..	529	124	5,644	471	..	..	4,520
(c) Honoraria	..	..	24	..	..	..	..	..
V. Contingencies—								
Voted—								
(a) Contract items—								
(1) Service postage and telegram charges.	804	476	682	1,214	1,261	1,066	50	5,543
(2) Other contract contingencies.	1,428	1,128	1,337	1,050	1,363	960	..	7,266
(b) Non-contract items—								
Non-voted—								
(1) Rates and taxes ..	129	52	98	120	163	181	50	793
Voted—								
(2) Pay of menials when non-contract.	..	..	..	..	..	..	..	..
(3) Rents	..	..	11	840	53	99	250	1,253
(4) Other contingencies.	21	252	204	674	9	19	721	1,900
Total, C. Establishments ..	54,693	52,098	73,211	87,299	70,805	73,803	12,161	4,24,070
Grand total of Expenditure, B and C.	68,002	68,227	1,33,597	2,58,853	1,01,808	96,598	81,188	8,08,273

Summary of expenditure for 'B' Conservancy and Works
for the year 1923-24.

Budget heads.	Mangalore North.	Mangalore, South.	Wynaad.	Nilambur.	The Nilgiris.	Palghat.	Forest Re- search Officer.	Direction.	Total.
SIXTH CIRCLE.									
B. Conservancy and works.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
I. Timber and other produce removed from the forests by Government Agency—									
(a) Timber ..	20,912	16,745	45,347	53,382	9,529	16	..	(a) 7,715	1,38,363
(b) Firewood and charcoal ..	558	1,407	..	..	14,178	79	..	..	16,222
(c) Bamboos ..	43	..	2,397	10,057	..	..	..	..	12,497
(d) Sandalwood ..	383	419	..	..	1,400	..	..	..	2,202
(e) Grass and other minor produce ..	..	..	6	170	767	..	..	..	932
II. Timber and other produce removed from the forests by consumers or purchasers.	1,153	794	2,431	1,970	77	5,132	..	..	11,757
III. Confiscated drift and waif-wood ..	13	2	..	..	..	4	..	..	55
V. Rent of leased forests and payments to shareholders in forests managed by Government ..	..	..	135	39	..	..	..	..	174
VI. Live-stock, stores, tools and plant—									
(a) Purchase of cattle ..	..	..	4,497	1,669	3,864	..	..	..	9,530
(b) Feed and keep of cattle ..	2,706	3,719	20,751	35,449	25,711	840	..	..	89,176
(c) Stores, tools and plant ..	175	340	1,726	2,766	1,125	207	45	..	6,384
VII. Communications and buildings—									
(a) Roads and bridges ..	1,548	758	9,209	2,182	6,502	6,390	..	..	26,589
(b) Buildings ..	9,658	5,092	2,559	12,147	(b) 12,480	5,731	131	..	47,798
(c) Other works ..	983	976	228	10	20	49	..	..	2,286
VIII. Demarcation, improvements and extension of forests—									
(a) Demarcation ..	28	2	447	..	343	134	..	..	954
(b) Cost of settlement and compensation for land and rights ..	..	..	..	..	..	..	..	..	..
(c) Survey ..	..	289	..	61	..	..	..	..	350
(d) Working plans ..	6	..	4	379	..	..	..	..	2,433
(e) Sowing and planting ..	2,933	5,117	5,042	18,500	4,850	2,946	..	..	39,338
(f) Protection from fire ..	1,893	2,349	1,129	4,023	2,399	3,719	..	..	15,542
(g) Other works ..	50	1,857	104	..	85	..	..	..	2,270
X. Miscellaneous—									
Non-voted—									
(a) Rates and taxes ..	..	..	..	29	693	..	..	..	722

(a) Relates to the Forest Exploitation division.

(b) Includes Rs. 5,461 spent on Madras Forest College huts.

Summary of expenditure for 'B' Conservancy and Works
for the year 1923-24—cont.

Budget heads.	Mangalore, North.	Mangalore, South.	Wynaad.	Nilambur.	The Nilgiris.	Palghat.	Forest Re- search Officer.	Direction.	Total.
SIXTH CIRCLE—cont.									
B. Conservancy and works—cont.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
IX. Miscellaneous—cont.									
Voted—(b) Law charges ..	60	190	362	12	4,628	1	1,780	..	363
(c) Other charges ..	..	..	189	..	..	..	..	..	6,860
Total ..	43,102	40,057	96,606	1,44,845	88,415	25,461	1,956	-7,715	4,32,727
I. Pay of officers (non-voted)—									
(a) Conservators ..	..	16,816	13,809	10,472	19,900	12,269	9,878	23,583	23,583
(b) Superior officers appointed by the Secretary of State (voted) ..	..	..	..	..	..	..	..	7,435	90,579
II. Superior officers appointed in India.	6,134	4,399	1,502	13,055	..	2,712	4,940	..	32,742
III(a) Subordinate forest and depot establishment.	26,189	22,978	23,375	21,700	33,757	21,666	2,296	553	1,52,512
(b) Office establishment ..	7,746	7,021	9,286	9,321	9,031	7,191	2,105	9,304	61,005
IV. Allowances, honoraria, etc—									
(a) Travelling allowance—									
(1) Conservators ..	1,375	3,453	3,151	3,705	2,738	2,583	2,375	3,989	3,989
(2) Superior officers ..	2,631	2,409	3,532	2,170	5,049	1,836	1,068	153	18,848
(3) Subordinate forest and depot establishment ..	632	826	1,059	1,110	1,348	650	460	1,072	7,162
(b) Fixed travelling allowance, etc—									
(1) Fixed travelling allowance and conveyance allowance, etc ..	1,600	1,159	1,792	2,139	1,551	1,323	233	..	9,797
(2) House-rent and other allowance ..	..	..	4,857	205	7,894	..	56	2,883	15,895
V. Contingencies—									
(a) Contract group—									
(1) Service postage and telegrams ..	902	1,004	967	748	1,036	452	152	903	6,164
(2) Other contract contingencies ..	731	515	940	1,677	1,292	909	109	1,181	7,354
(b) Non-contract group—									
(1) Non-voted rates and taxes ..	..	..	..	57	473	136	52	12	730
(2) Pay of menials when non-voted ..	..	..	..	..	..	..	..	..	..
(3) Rents ..	..	26	..	138	..	36	..	..	200
(4) Other contingencies ..	108	80	228	458	763	489	9	121	2,254
Total, C. Establishment and Contingencies.	48,048	60,684	64,496	66,955	8,827	52, 2	23,733	52,907	4,53,912
Total of B and C ..	91,150	1,00,741	1,61,102	2,11,800	1,78,242	77,723	25,689	45,192	8,86,639

Budget heads.		First circle, including Agency divisions and Pariahahs.	Second circle.	Third circle.	Fourth circle.	Fifth circle.	Sixth circle.	Forest College, Coimbatore.	Grand total, Presidency	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	1923-24.	1922-23.
RECEIPTS.										
I. Timber and other produce removed from the forests by Government Agency—										
(a) Timber .. .. .	.. .. .	1,38,680	40,691	9,026	835	2,11,087	4,83,687	147	8,84,153	8,40,679
(b) Firewood and charcoal .. .. .	.. .. .	6,090	7,184	1,930	520	166	16,245	120	32,255	57,657
(c) Bamboos .. .. .	.. .. .	215	18,737	6	2	10	11,754	..	30,724	27,695
(d) Sandalwood .. .. .	.. .. .	..	..	22	3,55,363	4,17,908	27,919	..	8,01,212	6,05,358
(e) Grass and other minor produce .. .. .	.. .. .	73	13,840	7,538	121	1,722	1,271	23	24,588	29,233
Total, I .. .. .	.. .. .	1,45,058	80,452	18,522	3,56,841	6,30,893	5,40,876	290	17,72,932	15,60,622
II. Timber and other produce removed from the forests by consumers or purchasers—										
(a) Timber .. .. .	.. .. .	57,325	61,374	73,232	65,891	46,255	84,109	..	3,88,186	3,43,047
(b) Firewood and charcoal .. .. .	.. .. .	1,34,961	60,118	1,30,639	72,447	2,62,458	98,343	..	7,59,956	7,26,498
(c) Bamboos .. .. .	.. .. .	1,31,375	30,569	29,887	95,505	34,695	12,977	..	3,34,998	3,75,919
(d) Grazing and fodder grass .. .. .	.. .. .	53,972	2,62,207	2,19,643	1,96,015	1,33,515	36,667	..	9,02,019	9,24,092
(e) Other minor produce .. .. .	.. .. .	57,364	1,56,871	1,31,085	1,35,361	99,901	24,685	..	6,05,268	6,34,075
(f) Tree-owners' fees or trees tapped .. .. .	.. .. .	19,361	74,103	27,209	6,505	68	862	..	1,28,108	1,21,697
(g) Other items .. .. .	.. .. .	..	..	70	7,921	..	..	..	7,991	789
(h) Commutation fees .. .. .	.. .. .	..	..	..	438	..	..	..	438	1,679
Total, II .. .. .	.. .. .	4,54,358	6,45,232	6,11,765	5,80,083	5,77,892	2,57,644	..	31,26,974	31,27,796
III. Confiscated forest produce drift and waif wood										
IV. Forest not managed by Government—										
(a) Shared and private forests .. .. .	.. .. .	..	..	..	..	..	898	..	15,619	21,038
.. .. .										

FOREST DEPARTMENT									
V. Miscellaneous— (a) Fines and forfeitures (b) Other sources									
22,375	81,061	62,144	85,628	39,294	25,050	62,277	2	2,52,406	19,387
16,701	14,713	7,268	20,041	69,163	62,243	62,277	2	2,52,406	19,387
39,076	95,774	69,412	1,05,669	1,08,457	87,293	62,279	5,67,960	6,20,192	6,20,192
6,43,575	8,24,144	7,02,546	10,44,726	13,19,214	8,86,711	62,563	54,83,485	53,29,578	53,29,578
2,970	10,744	6,899	21,348	2,442	3,760	29	47,692	49,104	49,104
6,40,605	8,13,400	6,96,147	10,22,378	13,16,772	8,82,951	62,540	54,35,793	52,80,474	52,80,474
+(a)35,541	..	..	..	..	+(b)14,698	..	+ 50,139	— 7,517	— 7,517
6,76,146	8,13,400	6,96,147	10,23,378	13,16,772	8,97,549	62,540	54,85,932	52,72,957	52,72,957
..	..	..	..	..	..	..	(c) 63	..	..
* + 1,539	* — 567	* — 3	* + 1	* — 1	* — 3	* + 2	* + 968	..	..
6,77,685	8,12,833	6,96,144	10,23,379	13,16,771	8,97,546	62,542	54,85,963	52,72,957	52,72,957
EXPENDITURE.									
B. Conservancy and Works.									
I. Timber and other produce removed from the forests									
by Government Agency—									
54,684	9,394	3,631	486	93,569	1,38,362	..	3,00,127	3,16,107	3,16,107
1,114	1,393	226	129	..	16,222	..	19,084	25,571	25,571
87	10,268	..	..	..	12,497	..	22,862	25,822	25,822
..	..	167	37,061	36,881	2,202	..	76,311	47,742	47,742
..	..	7,248	302	277	932	..	14,701	13,953	13,953
..	5,923	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
55,904	26,978	11,272	37,978	1,30,727	1,70,216	..	4,38,075	4,29,195	4,29,195
28,375	34,655	39,245	26,135	27,319	11,557	..	1,67,317	1,17,598	1,17,598
326	61	622	26	45	55	..	1,135	1,244	1,244
..	..	..	..	..	..	..	..	..	..
..	..	..	..	..	..	..	..	..	..
483	..	..	2	3,081	174	..	3,740	4,487	4,487
II. Timber and other produce removed from the forests									
by consumers or purchasers.									
III. Confiscated drift and waif wood									
IV. Forests not managed by Government—									
(a) Shared and private forests									
V. Rent of leased forests and payments to shareholders									
in forests managed by Government.									

* Added or deducted as per Accountant-General's audited figures.

(a) Receipts for the Parakramedi Maliahs, the Golgonda and the Balliguda agencies.
(b) Receipts for the Exploitation Unit division. (c) A.—General direction.

(d) Receipts for the Exploitation Unit division.

Budget heads.	Grand total, Presidency.									
	1922-23.					1922-24.				
EXPENDITURE—cont. B. Conservancy and Works—cont.										
VI. Live-stock, stores, tools and plant—										
(a) Purchase of cattle ..	..	..	..	..	..	..	..	..	..	..
(b) Feed and keep of cattle ..	..	..	..	..	..	..	..	..	..	..
(c) Stores, tools and plant ..	..	..	..	..	..	..	..	..	..	..
Total, B-VI ..	13,483	3,332	1,776	1,556	3,899	1,631	7,781	42,710	9,530	3,713
VII. Communications and buildings—										
(a) Roads and bridges ..	6,841	18,128	10,153	12,971	1,04,888	26,589	2,747	1,82,317	2,37,497	1,75,312
(b) Buildings ..	13,115	16,371	27,618	18,982	20,617	47,798	5,325	1,54,826	1,77,082	97,222
(c) Other works ..	602	1,738	3,499	1,737	1,195	2,266	1,100	12,137	14,260	2,88,766
Total, B-VII ..	25,558	36,237	41,270	33,690	1,26,700	76,653	9,172	3,49,280	4,28,839	2,75,597
VIII. Demarcation, improvement and extension of forests—										
(a) Demarcation ..	807	1,184	1,335	1,845	874	954	..	6,999	11,067	4,108
(b) Cost of forest settlement compensation for land and rights.	..	18	4,561	978	..	..	..	5,521	..	..
(c) Surveys { (1) Local ..	..	985	1	..	..	550	..	1,336	8,511	..
(d) Working-plans ..	..	195	..	..	1,987	2,433	..	4,615	..	276
(e) Sowing and planting ..	884	9,972	1,985	3,001	19,149	39,368	..	77,728	78,456	..
(f) Protection from fire ..	16,815	3,582	10,175	6,381	6,317	15,542	..	58,812	78,778	..
(g) Other works ..	2,125	2,477	5,124	1,219	7,415	2,370	..	20,730	94,401	..
Total, B-VIII ..	20,631	18,377	28,181	13,424	35,743	61,037	3,349	1,75,741	2,75,597	..

[illegible]

• Added or deducted as per Accountant-General's figures.

(a) Expenditure for the Golconda Agency.

(c) Expenditure for the Balliguda Agency.

(e) Expenditure for the Chief Forest Engineer—Stores, tools, etc., shown against the Chief Conservator as per Accountant-General's figures.

Summary of receipts and expenditure during 1923-24 for each circle and for the Presidency compiled
in the Chief Conservator's office from the Conservators' statements—*cont.*

Budget heads.		Grand total, Presidency.													
		1923-24.				1922-23.									
		Forest College, Coimbatore.													
		First Circle, including Agency and Parlakhedi Malihabs.		Second Circle.		Third Circle.		Fourth Circle.		Fifth Circle.		Sixth Circle.		RS.	
		RS.		RS.		RS.		RS.		RS.		RS.		RS.	
EXPENDITURE—cont.															
C. Establishment—cont.															
IV. Allowances, Honoraria, etc.—															
(a) Travelling allowance—															
(1) Conservators		3,484	3,815	3,481	2,222	3,105	3,989	7,646	20,096	21,243					
(2) Superior officers		10,838	14,923	14,204	9,443	15,521	21,098	4,601	93,673	1,05,440					
(3) Subordinate Forest and Depot establishments.		18,606	24,301	21,791	20,098	18,989	18,848	4,691	1,27,324	2,54,569					
(4) Office establishments		7,057	9,036	7,824	6,141	6,031	7,162	1,809	45,060	55,027					
(b) Fixed travelling allowance, etc.—		1,760	18,611	24,740	14,162	13,478	9,797	22	82,570	61,969					
(1) Fixed travelling allowance and conveyance allowance.		10,105	..	..	..	— 4,520	15,895	859	21,480	..					
(2) House-rent and other allowances		..	..	..	..	— 24	..	..	835	..					
(c) Honoraria—		..	..	..	..	..	..	..	..	..					
Total, C-IV		51,850	70,686	72,040	52,066	52,580	76,789	15,027	3,91,038	4,98,248					
V. Contingencies—															
(a) Contract group—															
(1) Service postage and telegram charges.		4,602	5,588	5,335	5,366	5,543	6,164	..	32,598	32,037					
(2) Other contract contingencies		6,596	9,442	11,282	9,607	7,266	7,354	..	51,547	63,869					
(b) Non-contract groups—															
(1) Rates and taxes		1,927	800	497	950	793	730	11	4,808	4,775					
(2) Pay of menials.. .. .		..	..	..	..	..	..	2,537	2,537	..					
(3) Rents		666	999	729	458	1,233	900	..	4,305	4,596					
(4) Other contingencies		1,443	7,048	2,068	1,733	1,900	2,254	8,500	24,946	28,988					
Total, C-V		14,334	23,877	19,911	18,114	16,755	16,702	11,048	1,20,741	1,34,255					
Total, C. Establishment		3,48,750	5,07,583	5,31,361	4,22,229	4,24,070	4,33,912	1,05,728	27,93,633	29,19,408					
		+ (a) 4,691	..	..	..	..	+ (c) 44,362	..	4,691	• + 23,028					
		+ (b) 39,157	..	..	..	..	..	..	39,157	..					
									44,362	..					

Grand Total, C. Establishment	3,92,498	5,07,583	5,31,361	4,22,229	4,24,070	4,98,274	1,05,728	28,81,743	29,42,486
	+ 12,119		+ 1	+ 13	— 1	+ 11	— 10	+ 12,133	
	4,04,617	5,07,583	5,31,362	4,22,242	4,24,069	4,98,285	1,05,718	28,93,876	
								(d) 62,076	
								(e) 29,621	
								(f) — 3,966	
								29,81,607	
Total, Expenditure B and C	5,59,108	6,33,946	6,51,429	5,35,462	8,08,274	10,48,338	1,22,995	44,48,333	45,47,790
								(g) 1,17,772	(g) 2,03,307
								(h) 29,234	(e) 17,893
								(i) 6,216	
								(j) 27,459	(j) 20,473
								46,29,514	47,89,463

8. Forests—A. General Direction.		
Non-Voted—	RS.	
Chief Conservator	41,362	
Rates and taxes	396	
Voted—		
Gazetted officers	7,597	
Establishment	18,709	
Travelling allowance	7,586	
Service postage and telegram charges.	2,030	
Other contract items	1,524	
Non-contract items	38,468	
Total	1,17,772	

* Added or deducted as per Accountant-General's figures.
(a) Expenditure for the Golconda Agency.
(b) Do. Parlakhedi Malihabs.
(c) Do. Exploitation division.
(d) Forest Engineering Branch.
(e) Expenditure on the Special Panchayat staff.
(f) Deductions reported by the Accountant-General.
(g) General direction.
(h) Investment on Government Commercial undertakings.
(i) Loss on Government Commercial undertakings.
(j) Loss or gain by exchange transactions with England.

Outstandings and liabilities on account of contractors and disbursers for the year 1923-24.

District.	Department debtor.			Department creditor.			Balance due.	
	At com- mencement of year.	Recoveries in cash and value of supplies and work done during the year.	At close of year.	At com- mencement of year.	Payments made during year.	At close of year.	To depart- ment (out- standings).	By depart- ment (lia- bilities).
First Circle.								
Direction ..	..	1,212 9 6	..	24 4 3	1,230 10 0	1,254 14 3	42 4 9	..
Ganjam ..	..	1,52,982 7 11	..	672 6 11	1,53,697 10 11	1,54,370 1 10	1,387 9 11	..
Vizagapatam ..	..	33,431 5 8	..	164 12 11	33,473 13 3	33,638 10 2	207 4 6	..
Lower Godavari ..	..	86,497 7 1	..	109 12 1	87,384 15 0	87,494 11 1	1,997 4 0	..
Kistna ..	..	27,624 15 9	..	255 8 1	27,540 11 2	27,796 3 3	171 3 6	..
Parlakimedi Maliah ..	..	25,921 14 11	..	446 11 7	25,568 10 0	26,015 5 7	93 6 8	..
Golkonda Agency ..	..	8,150 6 0	..	45 8 0	8,135 0 0	8,180 8 0	30 2 0	..
Upper Godavari ..	..	83,565 1 6	..	205 14 11	83,481 4 2	84,187 3 1	622 1 7	..
Total ..	..	1,18,386 4 4	..	2,424 14 9	4,20,512 10 6	4,22,937 9 3	4,551 4 11	..
Second Circle.								
Direction ..	..	1,801 2 9	..	9 4 7	1,839 13 0	1,849 1 7	47 14 10	..
Guntur ..	..	69,049 8 7	..	972 14 5	68,180 8 4	69,154 6 9	103 14 2	..
Kurnool, East ..	..	86,251 10 7	..	1,564 7 5	85,061 2 4	86,625 9 9	373 15 2	..
Do. South ..	..	81,246 11 7	..	948 3 1	81,206 6 3	82,154 9 4	907 13 9	..
Do. West ..	..	1,24,017 1 7	..	869 6 2	1,24,145 7 8	1,25,014 13 10	997 12 3	..
Bellary ..	..	49,955 6 11	..	238 13 8	49,959 6 7	50,198 4 3	242 13 4	..
Anantapur ..	..	60,620 12 8	..	316 0 3	60,359 2 6	60,675 2 9	54 6 1	..
Total ..	..	4,72,942 6 8	..	4,919 1 7	4,70,751 14 8	4,75,671 0 3	2,728 9 7	..
Third Circle.								
Direction ..	..	2,213 13 3	..	20 14 6	2,239 3 3	2,260 1 2	46 4 6	..
Ouddapah, North ..	..	54,562 14 7	..	372 11 11	54,431 11 8	54,804 7 7	241 9 0	..
Do. South ..	..	66,479 3 9	..	723 1 5	66,798 2 1	66,521 3 6	41 15 9	..
Do. West ..	..	71,083 11 3	..	183 14 10	71,225 8 11	71,409 7 9	325 12 6	..

Nellore ..	89,771 8 8	182 15 2	90,059 13 1	90,192 12 3	421 3 7	..
Chittoor ..	1,06,704 12 0	382 12 9	1,07,186 13 9	1,07,519 10 6	814 14 6	..
Vellore, North ..	49,683 1 6	897 0 11	48,906 8 2	49,803 9 1	220 7 7	..
Chingleput ..	45,161 2 6	86 2 0	45,358 12 0	45,444 14 0	283 11 6	..
Total ..	4,86,560 3 6	2,799 9 6	4,85,156 8 11	4,87,956 2 5	2,295 14 11	..
Fourth Circle.						
Direction ..	937 11 1	43 9 0	951 5 6	994 14 6	57 3 5	..
Vellore, South ..	68,597 2 10	68 10 7	63,717 5 1	63,785 15 8	188 12 10	..
Do. West ..	59,720 6 4	328 1 9	59,518 5 11	59,844 7 8	124 1 4	..
Salem, East ..	59,086 8 7	425 6 2	58,931 2 6	59,356 9 1	270 0 6	..
Do. North ..	83,300 7 2	1,081 9 5	83,463 10 6	84,535 3 11	1,234 12 9	..
Do. Central ..	51,709 14 1	954 6 9	51,469 3 5	52,423 10 2	713 12 1	..
Do. South ..	70,756 9 11	1,175 13 2	70,168 13 8	71,344 10 10	588 0 11	..
Forest Engineer's Office ..	38,991 12 11	1,076 6 6	38,607 8 6	39,683 15 0	692 2 1	..
Tanjore ..	114 0 0	..	114 0 0	114 0 0	..	..
Total ..	4,28,214 8 11	5,151 15 9	4,26,931 7 1	4,32,083 6 10	3,868 13 11	..
Fifth Circle.						
Direction ..	29,251 13 1	527 5 10	29,264 9 0	29,791 14 10	540 1 9	..
Madura ..	98,628 12 4	1,217 10 3	97,638 4 1	98,555 14 4	227 2 0	..
Tinnevely cum Rannad ..	85,747 10 6	486 2 11	86,322 3 9	86,808 6 8	1,060 12 2	..
Kollegal ..	59,894 4 7	680 11 4	59,350 1 6	60,030 12 10	136 8 3	..
Coimbatore, North ..	1,13,769 6 7	1,576 4 3	1,12,752 11 8	1,14,328 15 11	559 9 4	..
Do. South ..	2,53,760 0 6	5,046 9 2	2,54,090 14 0	2,59,137 7 2	5,387 6 8	..
Do. ..	6,41,041 15 7	9,534 11 9	6,39,418 12 0	6,48,953 7 9	7,911 8 2	..
Total ..	1,535 8 11	26 7 0	1,892 4 0	1,918 11 0	383 2 1	..
Direction ..	1,24,962 1 11	1,631 14 4	1,24,251 5 0	1,25,883 3 4	921 1 5	..
The Nilgiris ..	93,834 13 8	562 14 1	93,670 8 2	94,223 6 3	388 8 7	..
Wynad ..	1,30,418 7 6	4,731 2 4	1,31,063 2 10	1,36,794 5 2	5,375 13 8	..
Nilambur ..	1,06,302 0 8	530 6 2	1,06,343 15 6	1,06,874 5 8	672 5 0	..
Mangalore, North ..	86,917 2 7	355 11 2	88,094 13 8	88,480 8 10	1,663 6 3	..
Do. South ..	5,620 12 11	164 7 7	5,715 1 0	5,879 8 7	258 11 8	..
Forest Research Office ..	65,222 11 3	1,033 10 8	65,382 7 11	66,466 2 7	1,243 7 4	..
Palghat ..	6,14,513 11 5	9,106 9 4	6,16,413 10 1	6,25,520 3 5	10,706 8 0	..
Net total VI Circle excluding ..	1,13,017 3 5	170 3 0	1,29,784 2 10	1,29,954 5 10	16,937 2 5	..
Forest Exploitation Office ..	31,73,976 5 10	34,107 1 8	31,88,969 2 1	32,23,076 3 9	49,099 13 11	..
Grand total, Presidency ..	..	..	..	..	..	..

ACCOUNTANT-GENERAL'S OFFICE,
MADRAS, 1st September 1924.J. H. G. WILLIAMS,
Deputy Accountant-General.

ANNUAL FORM No. 82.

Forest Department, Madras Presidency.

Revenue received and outstandings on account of revenue during 1923-24.

District.	Particulars.	Outstandings at commencement of year.	Value of sales and other revenue during year.	Total.	Amount realized during year.	Balance due to the department at end of year.
<i>First Circle.</i>						
Direction	Timber and other forest produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Ganjam	Do.	2,788 2 3	1,418 0 0	1,418 0 0	1,418 0 0	..
Vizagapatam	Do.	4,765 15 6	184,088 8 6	186,856 10 9	184,935 0 0	1,921 10 9
Godavari, Upper	Do.	24,775 0 3	68,462 3 11	93,237 4 2	88,874 0 0	4,290 8 0
Do. Lower	Do.	1,478 4 0	2,36,874 0 0	2,38,152 4 0	27 7 2	4,160 13 0
Kistna	Do.	3,285 3 5	80,910 15 7	84,195 3 0	175 0 0	5,487 4 0
Total		37,032 8 11	6,20,873 5 0	6,57,905 13 11	83,583 0 0	613 3 0
<i>Second Circle.</i>						
Bellary	Timber and other forest produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Anantapur	Do.	17,515 14 1	1,33,381 1 2	1,50,896 15 3	1,15,950 0 0	34,946 15 3
Guntur	Do.	33,315 11 10	1,02,561 0 2	1,35,876 12 0	1,35,336 0 0	540 12 0
Kurnool, East	Do.	7,419 7 0	2,14,915 13 0	2,22,335 4 0	2,07,889 0 0	14,432 4 0
Do. South	Do.	6,027 0 0	91,185 1 8	97,212 1 8	93,872 0 0	3,340 1 8
Do. West	Do.	1,236 4 0	1,15,588 12 0	1,16,825 0 0	1,16,716 0 0	109 0 0
Direction	Do.	3,431 0 0	1,63,985 12 4	1,67,416 12 4	1,54,369 0 0	12,948 12 4
Total		..	12 0 0	12 0 0	12 0 0	..
Total		68,945 4 11	8,21,629 8 4	8,90,574 13 3	8,24,144 0 0	63,157 13 3

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FOREST DEPARTMENT

<i>Third Circle.</i>						
Direction	Timber and other forest produce.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.
Cuddapah, North	Do.	4,985 1 4	62,061 7 8	67,046 9 0	57,413 3 0	9,633 6 0
Do. South	Do.	19,655 13 0	48,989 3 2	68,649 8 2	53,135 5 7	13,364 2 7
Do. West	Do.	12,012 0 0	69,891 14 4	81,903 14 4	74,664 6 4	4,839 8 0
Nellore	Do.	98,568 6 7	92,855 14 8	1,91,337 5 0	1,86,568 3 5	4,589 1 7
Chingleput	Do.	5,233 11 8	60,758 0 3	65,991 11 11	190 0 0	3,902 1 0
Chittoor	Do.	1,250 0 0	1,50,184 3 9	1,51,434 3 9	1,45,649 7 5	5,784 12 4
Vellore, North	Do.	13,264 3 0	1,28,582 15 5	1,41,847 2 5	1,23,031 7 1	18,815 11 4
Total		1,52,786 11 4	6,13,277 7 3	7,66,064 2 7	7,02,545 7 9	60,428 10 10
<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.
Vellore, South	Do.	..	2,189 0 0	2,189 0 0	2,189 0 0	..
Do. West	Do.	11,158 6 7	1,85,004 3 4	1,99,162 9 11	1,92,961 0 0	1,490 5 6
Salem, East	Do.	2,929 5 10	1,13,538 15 10	1,16,468 5 8	1,13,183 0 0	1,136 12 4
Do. North	Do.	3,006 2 2	1,38,353 3 7	1,41,359 5 9	1,40,424 0 0	935 5 9
Do. Central	Do.	6,508 12 0	2,72,233 4 0	2,78,742 0 0	2,65,840 0 0	12,902 0 0
Do. South	Do.	12,582 2 11	1,02,513 9 10	1,15,045 12 9	1,06,357 0 0	3,823 12 4
Forest Engineer	Do.	2,763 5 7	1,96,837 10 11	1,99,601 0 6	1,97,562 0 0	2,039 0 6
Tanjore	Do.	..	9 0 0	9 0 0	9 0 0	..
Total		38,898 3 1	26,331 0 0	26,331 0 0	2,633 0 0	..
Total		10,40,009 15 6	10,78,908 2 7	10,78,908 2 7	10,44,856 0 0	22,327 4 5

Note for First Circle. (a) Eliminated on account of erroneous demand.

(b) Written off the accounts.

Note for Second Circle. (a) Out of total outstanding of Rs. 10,473-6-9, the amount actually due on or before 31st March 1924 was Rs. 15,878-6-9.

(b) Written off.

(c) Out of the balance, a sum of Rs. 10,278-8-0 is pending adjustment to Revenue from earnest money deposits; Rs. 5,291-14-4 fell due within the year and the balance is due in the current year and after.

Note for Third Circle. (a) Written off as irrecoverable in G.O. No. 1779, Development, communicated in Chief Conservator's Proceedings No. 1026, Revenue, dated 12th December 1923.

(b) Written off as irrecoverable with reference to Chief Conservator's Proceedings No. 51, dated 7th February 1924, in G.O. Mis. No. 163, Development, dated 29th January 1924.

(c) Rupees 3,090 collected in Ganjam district, First Circle.

Note for Fourth Circle. (a) Amounts written off the accounts.

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Financial results for the year 1923-24—cont.

District.	Timber and other produce removed from the forests by Government Agency.		Other revenue.		Formation, protection and improvement of forests.	Total.	
	Receipts.	Charges.	Receipts.	Charges.		Receipts.	Charges.
<i>Fifth Circle.</i>	RS.	RS.	RS.	RS.	RS.	RS.	RS.
Kollegal ..	1,05,056	12,782	73,995	59,551	9,448	1,79,051	81,781
Coimbatore, North ..	3,14,332	65,045	1,39,257	70,043	12,371	4,53,589	1,47,459
Do. South ..	2,03,065	1,73,846	1,14,113	35,185	1,32,251	3,17,178	3,41,282
Madura ..	7,760	4,622	1,56,946	84,271	26,317	1,64,706	1,16,210
Tinnevely ..	1,094	9,788	2,06,485	89,864	22,869	2,07,579	1,22,541
Total ..	6,31,307	2,66,083	6,90,796	3,38,914	2,03,278	13,22,103	8,08,273
<i>Sixth Circle.</i>							
Mangalore, North ..	36,304	34,952	89,108	37,788	24,135	1,25,412	96,875
Do. South ..	48,938	40,706	42,155	35,765	30,624	91,093	1,07,095
Wynad ..	1,04,010	1,17,675	33,241	22,961	30,695	1,37,251	1,71,231
Nilambur ..	2,67,890	1,46,669	39,693	20,598	57,870	3,07,563	2,25,137
The Nilgiris ..	49,239	1,00,028	52,198	40,816	37,820	1,01,437	1,78,664
Palghat ..	2,152	1,708	83,232	51,309	29,613	85,384	82,630
Forest Research officer.	..	..	30	..	27,261	30	27,261
Total ..	5,06,533	4,41,738	3,39,657	2,09,237	2,37,918	8,48,190 (a) — 2,590 +14,598	8,83,893 (d) +5,461
						8,60,198	8,94,354
Grand total, Presidency.	17,38,481	9,28,218	36,37,617	21,36,828	9,37,522	53,76,098 (b) 35,641 (c) 14,598 (d) 62,540 (e) 63 (a) — 27,221 (f) 25,344 (g) 29,621 (h) 29,234 (i) 6,216 (j) 27,459 (k) 2,756	40,18,029 (b) 51,622 (c) 1,61,724 (d) 1,28,005 (e) 1,17,772 (f) 82,076 (g) 29,621 (h) 29,234 (i) 6,216 (j) 27,459 (k) 2,756
						54,80,963	46,29,514

- (a) Refunds and drawbacks.
 (b) Receipts and expenditure for the Parlakimedi Maliahs, the Golconda and Balliguda Agencies.
 (c) Receipts and Expenditure for the Exploitation division.
 (d) Do. do. Forest College.
 (e) Do. do. A. General Direction—Chief Conservator.
 (f) Expenditure on the Forest Engineering Branch.
 (g) Do. Special Panchayat staff.
 (h) Investment on Government commercial undertakings.
 (i) Loss on do. do.
 (j) Loss or gain by exchange transactions with England.
 (k) Added as per Accountant-General's figures.
 (l) Expenditure on account of the Madras Forest College sheds.

FOREST DEPARTMENT

ANNUAL FORM No. 84.

PART I.

Forest Department, Madras Presidency.

Statement of elephants and other live-stock during 1923-24.

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.
	Num. ber.	Value.			Num. ber.	Value.	
(1) ELEPHANTS.		RS.				RS.	RS. A. P.
<i>First Circle.</i>							
Olavari, Upper ..	2	3,700	..	..	2	3,900	1,844 9 0
<i>Second Circle.</i>							
Kurnool, West ..	2	5,000	..	..	2	5,000	1,574 9 8
<i>Third Circle—Nil.</i>							
<i>Fourth Circle—Nil.</i>							
<i>Fifth Circle.</i>							
Coimbatore, South.	22	84,800	2	7	17	58,800	23,866 0 0
<i>Sixth Circle.</i>							
Mangalore, North.	..	..	5	2	3	11,500	2,706 5 3
Do. South.	3	12,500	1	1	3	12,500	3,268 1 8
Wynad ..	30	91,800	12	16	26	91,300	18,302 15 6
Nilambur ..	26	97,550	8	7	27	96,050	28,885 12 6
The Nilgiris ..	28	62,200	15	19	24	53,300	21,630 6 9
Total ..	87	2,64,050	41	45	83	2,74,650	74,313 9 8
Grand Total—Elephants—Presidency.	113	3,57,550	43	52	104	3,42,350	1,01,598 12 4
(2) OTHER LIVE-STOCK.							
<i>First Circle.</i>							
Ganjām ..	26	1,375	..	(a) 7	19	818	2,638 7 3
<i>Second Circle.</i>							
Bulls.							
Kurnool, West ..	5	625	..	..	5	525	201 7 0
Do. South ..	2	50	7	6	3	50	20 0 0
Total ..	7	575	7	6	8	575	221 7 0
<i>Third Circle.</i>							
Chingleput ..	1 he- buffalo	35	..	..	1	35	25 0 0
Chittoor ..	2 bu- faloes.	70	..	..	2	70	..
Do. ..	1 bull.	59	..	..	1	59	1 12
Total ..	4	164	..	..	4	164	26 12

Statement of elephants and other live-stock during 1923-24—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.	
(2) OTHER LIVE-STOCK.		RS.				RS.	RS. A. P.
<i>Fourth Circle—Nil.</i>							
<i>Fifth Circle</i>							
Coimbatore, South	77	6,490	39	16	100	9,671	18,814 0 0
<i>Sixth Circle.</i>							
Mangalore, South.	8	663	..	4	4	338	1,255 6 11
Wynad ..	10	1,735	11	4	17	2,140	5,712 9 11
Nilambur ..	36	2,613	1	3	34	2,569	5,968 12 7
The Nilgiris ..	15	1,774	..	3	12	1,397	4,080 1 11
Total ..	69	6,815	12	14	67	6,444	17,016 15 4
Exploitation division.	44	3,164	..	18	26	1,802	10,665 3 4
Grand Total—Other Live-stock—Presidency.	227	18,584	58	61	224	19,274	49,412 12 11

PART II.

Forest Department, Madras Presidency.

Statement of elephants gone off the list during the year 1923-24.

District.	Names.	When purchased or otherwise obtained by Government.	Age.	How disposed of
		<i>First Circle—Nil.</i>		
		<i>Second Circle—Nil.</i>	YRS.	
		<i>Third Circle—Nil.</i>		
		<i>Fourth Circle—Nil.</i>		
		<i>Fifth Circle.</i>		
Coimbatore, South.	1. Rob ..	Captured on 14th August 1904 ..	23	Died on 19th January 1924.
	2. Meenakshi ..	Transferred from Nilambur on 16th October 1916.	16	Do. 6th March 1924.
	3. Kabbini ..	Transferred from Nilgiris on 14th June 1917.	32	Do. 20th December 1923.
	4. Parvathi ..	Captured on 24th September 1921	25	Do. 21st July 1923.
	5. Gopalan ..	Captured on 22nd July 1922 ..	7	Do. 26th April 1923.
	6. Leela ..	Born on 26th December 1923 ..	..	Do. 8th January 1924.
	7. Bhima ..	Captured on 27th September 1922.	20	Sold on 21st October 1923.

Statement of elephants gone off the list during the year 1923-24—cont.

District.	Names.	When purchased or otherwise obtained by Government.	Age.	How disposed of.
		<i>Sixth Circle.</i>	YRS.	
Mangalore, North.	1. Caesar ..	Captured on 12th February 1910.	22	Transferred to South Mangalore.
	2. Calf of Chamundi.	Born on 18th March 1924 ..	..	Died on 22nd March 1924.
Mangalore, South.	1. Emperor ..	Captured on 6th March 1909 ..	27	Transferred to Wynad.
	1. Peri ..	Do. 11th April 1889 ..	58	Transferred to North Mangalore.
	2. Chamundi ..	Do. 4th February 1900.	30	Do. do.
	3. Bomma ..	Do. 27th February 1913.	35	Transferred to Nilambur.
	4. Bhima ..	Do. 21st January 1919..	21	Do. do.
	5. Eemily ..	Do. 22nd June 1899 ..	44	Transferred to North Mangalore.
Wynad.	6. Caesar ..	Do. 12th February 1920.	22	Do. do.
	7. Gouri ..	Do. 12th February 1923.	1	
	8. Rustom ..	Do. 21st February 1923.	4	
	9. Goolshan ..	Do. 26th February 1923.	5	
	10. Krishnaveni.	Do. 27th February 1923.	3	
	11. Yuvaraj ..	Do. 7th March 1923 ..	1	Sold.
	12. Yuvarani ..	Do. 8th March 1923 ..	11	
	13. Tippu ..	Do. 13th March 1923 ..	6	
	14. Sivaji ..	Do. 13th March 1923 ..	3	
	15. Sumthira ..	Do. 27th February 1923.	22	Died on 13th May 1923.
	16. Rugmini ..	Do. 7th March 1923 ..	60	Do. 8th September 1923.
Nilambur.	1. Lakshmana..	Do. 12th January 1924.	3½	Do. 4th March 1924.
	2. Muntaz ..	Do. 9th August 1923 ..	2	
	3. Jani ..	Do. 18th February 1923.	2	
	4. Pasha ..	Do. 27th March 1923 ..	2	Sold.
	5. Sesta ..	Do. 13th September 1895.	33	
	6. J. mperi ..	Purchased in 1903 ..	55	Transferred to The Nilgiris.
	7. Sirdar ..	Captured on 7th August 1906..	22	Transferred to Wynad.
	1. Siruvani ..	Do. 7th March 1916 ..	23	Do. do.
	2. Drona ..	Do. 2nd May 1914 ..	20	Do. do.
	3. Valmiki ..	Do. 12th May 1914 ..	23	Do. do.
The Nilgiris.	4. Moolabaksha.	Do. 6th April 1911 ..	22	Do. do.
	5. Gajendra ..	Do. 31st March 1922 ..	21	
	6. Parvathi ..	Do. 7th February 1923.	20	
	7. Hanuman ..	Do. 7th February 1923.	2	
	8. Leela ..	Do. 8th February 1923.	4	
	9. Suseela ..	Do. 8th February 1923.	3	Sold.
	10. Kalyani ..	Do. 14th February 1923.	4	
	11. Sakuntal ..	Do. 28th April 1923 ..	1	
	12. Nala ..	Do. 28th April 1923 ..	2	
	13. Ethiraja ..	Do. 28th April 1923 ..	6	
	14. Sarojani ..	Do. 28th April 1923 ..	8	
	15. Natarajam ..	Do. 14th February 1923.	1½	Died on 6th May 1923.
	16. Sundari ..	Do. 29th December 1923.	30	Do. 18th March 1924.
	17. Calf of Lakshmi.	Born in captivity on 19th August 1923	..	Do. 1st September 1923.
	18. Calf of Kunthi.	Born in captivity on 8th May 1923.	..	Do. 12th June 1923.
	19. Calf of Sundari.	Borne in captivity on 8th January 1923	..	Do. 9th January 1924.

ANNUAL FORM No. 85.
Forest Department, Madras Presidency.
Abstract showing the value of stores, tools and plant for 1923-24.

District.	Buildings.				Stores.				Total.				Difference in value.	
	On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		On hand at the commencement of the year.		On hand at the end of the year.		In favour of the year.	Against the year.
	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.	Number.	Value.		
First Circle.	Direction ..	1	400	369	4,350	282	4,000	370	4,750	283	4,400	..	..	Rs. 350
	Ganjam ..	102	48,719	9,610	25,614	8,001	21,686	9,712	74,333	8,101	69,720	..	..	4,618
	Vizagapatam ..	67	12,054	1,718	4,901	1,691	4,831	1,815	16,955	1,717	16,350	..	..	403
	Godavari, Upper ..	134	40,005	3,610	16,556	3,587	16,888	3,743	56,561	3,718	61,770	5,209	..	..
	Do. Lower ..	159	44,698	2,586	6,296	7,659	6,475	2,714	50,994	7,713	51,761	767	..	..
	Kistna ..	34	6,168	1,904	16,982	1,582	15,558	1,938	23,150	1,615	21,356	..	..	1,794
Total ..	497	1,52,044	19,323	74,699	22,702	69,438	26,323	2,26,743	23,177	2,24,557	..	..	1,186	
Second Circle.	Direction ..	27	39,135	250	6,768	250	6,168	250	6,768	250	6,168	..	..	600
	Bellary ..	30	47,559	3,718	14,393	3,611	14,872	3,745	53,628	3,635	45,791	..	..	7,737
	Anantapur ..	30	16,920	3,600	5,858	2,806	5,752	3,630	53,417	2,836	53,311	..	..	136
	Guntur ..	27	73,563	5,873	10,661	5,975	11,031	5,900	27,581	6,005	30,551	2,970	..	..
	Karnool, East ..	75	46,716	4,686	12,264	4,562	12,638	4,761	86,817	4,683	91,106	5,289	..	..
	Do. South ..	68	94,716	2,479	9,414	2,382	10,663	2,547	55,130	2,455	54,415	..	..	715
Do. West ..	68	94,587	4,732	23,254	5,191	23,666	4,800	1,17,841	5,256	1,22,419	4,578	..	..	
Total ..	295	3,17,480	25,338	82,602	24,777	84,780	25,633	4,00,082	25,069	4,08,761	3,679	..	..	
Third Circle.	Direction ..	47	25,635	308	3,611	325	3,739	308	3,611	325	3,739	128	..	..
	Cuddapah, North ..	61	65,139	2,220	6,544	2,682	8,472	2,267	32,184	2,735	30,906	..	..	1,278
	Do. South ..	35	16,073	2,590	10,969	2,518	11,271	2,684	76,108	2,584	79,572	3,464	..	..
	Do. West ..	53	34,384	2,612	38,796	4,723	35,376	2,825	21,770	3,081	22,073	303	..	..
	Nellore ..	63	26,629	2,444	4,723	2,389	4,807	4,266	73,180	44,778	63,279	..	..	4,901
	Chingleput ..	22	26,629	2,444	4,723	2,389	4,807	2,466	31,352	2,411	36,733	4,381	..	..

FOREST DEPARTMENT										
Chittoor	..	32,856	47	35,982	5,242	14,062	3,284	46,918	3,032	50,018
Vellore, North	..	23,847	38	23,847	2,489	6,348	2,527	29,186	2,514	29,205
Total	..	2,24,563	335	2,30,235	58,528	89,755	58,826	3,14,318	61,461	3,19,326
Fourth Circle.										
Direction	..	..	..	..	..	..	..	..	..	..
Vellore, South	..	46,953	58	46,233	2,479	2,946	226	2,946	229	2,833
Do. East	..	33,337	41	33,091	3,158	7,495	2,539	52,973	2,787	53,367
Salem, North	..	29,020	59	29,093	4,363	16,749	3,192	40,832	3,592	38,588
Do. Central	..	33,233	56	34,455	2,426	26,632	4,422	45,769	3,987	41,947
Do. South	..	43,900	65	47,349	2,485	14,150	2,484	59,855	2,656	58,849
Vernacular Training School.	..	36,327	61	35,217	568	4,120	5,557	47,277	2,611	59,113
Total	..	2,24,770	340	2,24,043	21,230	87,092	21,557	3,11,862	21,624	3,04,412
Fifth Circle.										
Direction	..	..	..	..	..	..	..	..	..	..
Kollegal	..	44,557	47	45,329	334	3,816	335	3,894	301	3,217
Coimbatore, North	..	1,01,046	88	1,01,355	80,950	6,673	80,994	51,230	49,689	52,470
Do. South	..	57,158	79	57,158	2,202	10,080	2,287	1,11,126	1,517	1,10,885
Madura	..	1,04,917	123	1,03,545	3,124	27,799	3,183	84,957	3,408	1,07,613
Tinnevely	..	57,855	113	53,468	3,201	4,571	3,326	1,04,788	2,049	1,07,959
Vernacular Training School.	..	..	..	..	2,525	7,278	2,733	65,133	2,219	60,434
Extra Assistant Conservator in charge of Development Scheme.	..	..	..	..	501	1,297	501	1,297	481	460
Total	..	3,65,582	454	3,86,728	93,083	63,346	93,615	4,28,928	69,831	4,14,410
Sixth Circle.										
Direction	..	..	..	..	..	..	..	..	..	..
Mangalore, North	..	27,992	64	38,138	217	5,132	217	5,132	219	4,816
Do. South	..	34,028	40	34,207	858	4,863	912	32,855	990	44,483
Wynad	..	87,428	94	86,449	891	5,637	930	39,717	1,132	40,789
Nilambur	..	36,615	28	35,446	2,608	11,561	2,701	98,977	6,240	99,157
The Nilgiris	..	42,863	76	60,291	11,455	12,739	775	47,283	1,154	56,740
Palghat	..	23,483	38	20,277	2,670	11,455	2,747	54,318	2,441	58,080
The Forest Research office.	..	..	..	..	949	7,811	988	31,294	841	27,916
Total	..	2,53,073	340	2,94,808	9,115	60,246	9,452	3,13,319	13,306	3,59,649
Grand total, Presidency	..	15,37,512	2,286	16,10,914	2,27,120	4,57,740	2,29,406	19,95,292	2,04,462	20,57,374

* The variation between the closing balance of 1922-23, and the opening balance of 1923-24 is due to the wrong entry of the value of Boggutla rest-house which has now been corrected.

+ South Salem.—The figure 6,416 in the last year's return is a mistake for 5,530.

NOTE.—Articles belonging to the Working Plans office were transferred to the office of the Extra Assistant Conservator in charge of Development Scheme.

List of individual works costing over Rs. 5,000 sanctioned by the Chief Conservator or Conservators and included in forest schemes generally approved by Government during the year 1923-24.

Nil.

Handwritten:
J. J. J. J. J.
J. J. J. J. J.

