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REPORT  
OF THE  
FOREST ADMINISTRATION  
OF THE  
CENTRAL PROVINCES  
FOR THE YEAR.

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1917-18

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# Central Provinces Administration

## FOREST DEPARTMENT

*Nagpur the 8th February 1919.*

READ—

Report by the Chief Conservator of Forests on Forest Administration in the Central Provinces for the year 1917-18.

### RESOLUTION.

Mr. Hill commences his report with an account of the fodder operations which were undertaken during the year 1917-18 for the Army, and in the report there are scattered references to the different ways in which the Forest Department has contributed towards the prosecution of the war, but now that hostilities have ceased, it is fitting to give a more connected account of what has been done and of how war needs have stimulated the activities of the Department. Out of a total of 20 Imperial officers below the rank of Conservator, no less than 9 were deputed to military duty. Of the Provincial Service one officer, out of three whose services were offered, joined the Indian Army Reserve of Officers, and two more were deputed to special sleeper duty in the Chhattisgarh Division at the call of the Munitions Board for an increased quantity of sleepers from the Central Provinces. The officers who remained on duty were taxed to the utmost not merely in carrying on their regular duties but in meeting the heavy calls made on them for supplies for the Army.

2. In 1916-17 about 18,000 tons of hay in the shape of steam-pressed bales was supplied for military purposes; in 1917-18 the amount rose to over 93,000 tons, and during the current year the Department has been asked to provide 100,000 tons, which will be used not only for the Army but for meeting the fodder scarcity in those parts of India where the monsoon has failed. Forty hay presses in the possession of the Department were despatched to Mesopotamia and some more to places in India where they were urgently required. Large numbers of sal trees suitable for conversion into sleepers are found in the privately owned forests of the Chhattisgarh Division, and close on 400,000 broad-gauge sleepers were supplied from this source through the agency of the two officers specially deputed, as above mentioned, for managing the operations, while in addition nearly 50,000 were obtained from Government forests. Numerous enquiries were received for the supply of timber, bamboos and other forest produce, many of which, however, did not materialise into actual indents; but, in addition to items of less importance, much material was supplied for the construction of temporary barracks in Jubbulpore, Betul and Chhindwara. Large quantities of tanstuffs were also provided from Government forests, and the Chief Conservator has served as a member of the Committee of Control of the Tannin Research Factory at Maihar. A start has been made with the systematic cultivation of *tarwad* (*Cassia auriculata*), which has hitherto only grown wild in certain places in the south of the Provinces. Under the influence of the war demand for shellac, the scientific production of lac has also been undertaken and arrangements have been made for propagating it departmentally on a more extensive scale. It is intended that, as soon as one is available, an officer should be placed on special duty to take charge of the operations, which will include the demonstration of improved methods to the lac-growers who lease areas in privately owned forests. Though the energies of the weakened Forest staff were much taken

up in carrying out these extra duties, it is satisfactory to note that the ordinary work of the Department has continued to progress. The gross income, the amount of the money spent on the development of the forests and the surplus have all increased in the year under report.

3. In paragraphs 4 and 5 of his report the Chief Conservator indicates some of the lines of advance which will call for the attention of his Department as soon as normal times return, but the first essential is the improvement of communications, and, though much pre-occupied with urgent Army work, the Department has not neglected this essential. The expenditure on roads increased, and a further extensive programme has been prepared for which provision has been made in the provincial budget for 1919-20. The total amount spent on communications is, however, of perhaps less importance than the manner in which it is spent. The easing of the ghat sections of roads and the improvement of river-crossings do much more to increase the accessibility of the forests for the same money than the improvement of roads in level tracts, and the Chief Commissioner knows that this consideration is constantly borne in mind by Forest officers. The scheme of increasing the roads in the South Raipur Division, which is referred to in paragraphs 14 and 19 of the report, is one on which the Chief Commissioner lays much stress. Until the people of Chhattisgarh have a plentiful supply of cheap firewood as a substitute for the cowdung fuel which they at present use, they cannot take full advantage of the irrigation schemes which have been constructed by Government at great expense. The commercial aspect of the fuel depôts which it is proposed to establish in this tract is a minor consideration to start with, and if the people can be induced to take to substituting wood for cowdung fuel, any initial loss may be regarded with complaisance.

4. There was a substantial increase in the amount spent on the proper housing of the subordinate establishment, but much yet remains to be done, and a suitable provision for this object has been made in the coming financial year. The Chief Commissioner would again emphasize the fact that, unless the subordinate staff is properly housed, good work cannot be expected from it, and money invested for this purpose will be amply recouped in the more efficient management of the forests, which can only be effected through a contented staff.

5. There was a fall from 14,046 to 12,415 in the number of forest offences, but it is difficult to say how much of the decline is due to pre-occupation with other more important duties interfering with the detection of petty offences. Offences connected with grazing decreased by 1,151; apart from the cause already indicated, it is believed that the rules are coming to be better understood and acted on. Cases in which rewards were paid for the detection of offences fell from 296 to 108.

6. There was a further reduction in the area in which regular fire protection was attempted during the year, much of which is accounted for by the extension of the practice of early burning, which continues to give good results; and though the area in which fires occurred increased from 92 to 159 miles, the percentage of 98, which was attained in successful protection, is very good considering the dry nature of the hot weather. The statistics show a small decline in the average cost per square mile protected, but they appear in the Southern Circle to include the cost of early burning and in other Circles to exclude it. In future they should be prepared on the uniform principle of excluding this item, as the early burnt area is not included in the area shown as protected.

7. The total number of animals grazed in the forests during the year fell from 3,581,780 to 3,434,484 and the income declined from Rs. 13,85,911 to Rs. 13,73,955, but much of the decrease occurred among sheep and goats, and it is therefore not entirely to be deprecated. In the Central Provinces the number of buffaloes, cows and bullocks very slightly increased, and the decline among such animals in Berar proper was chiefly in the Yeotmal district, where it was due to the introduction of the new grazing settlement. That settlement

has been modified where it has been shown to cause hardship, and the situation is being carefully watched, and any further action which may seem called for will be taken. Well under half the total number of animals grazed were charged at full rates.

8. The amount of fodder grass extracted by cultivators for their cattle is still much too small, and, indeed, fell slightly during the year under report, but no account is taken of the quantity taken in the shape of free head-loads in localities where, owing to crop failure, the forests were thrown open for the extraction of such. It is interesting to note, however, that in the Nimar Division, where a very large quantity of grass was supplied to the Army, the people took an increased quantity of fodder. The extraction of large quantities of grass for consumption outside the Provinces is in no way inconsistent with a very much increased use of cut fodder by cultivators, for at present, even with the heavy Army grass operations, only a small portion of the yearly grass crop is consumed; and, provided that arrangements for cutting grass for external use are made with due regard to the needs of local cultivators and they get timely notice that certain areas will be closed to them, as the report mentions they received in Nimar, the quantity they take can be indefinitely increased. The large demand for the current year has been carefully allotted to divisions and within them so as to avoid hardship to the persons who are accustomed to resort to the forests for fodder. Too much attention cannot be paid to giving every inducement to cultivators to supply themselves with cut grass by placing readily accessible areas at their disposal for this purpose.

9. Additions have been made from time to time to the list of attached ranges to grazing districts which is given in Appendix B to the Grazing Rules, and the Chief Commissioner would be glad if the Chief Conservator would consider, with reference to the remarks made regarding Saugor and Jubbulpore in paragraph 39 of the report, whether any further additions are called for.

10. The figures given in paragraph 45 of the report are concrete evidence that, despite the handicaps from which it suffered, the Forest Department has not stood still. The gross revenue has grown steadily. After a temporary reduction, expenditure is again above the average of the years 1911 to 1916, and the plans for the immediate future involve a further considerable increase. The surplus, however, continues to grow and would have been considerably higher this year, had not certain contractors been behindhand with their payments.

11. Mr. Hill held charge of the post of Chief Conservator throughout the year, and Sir Benjamin Robertson has to thank him for another year's successful work under difficulties. He records his regret at the tragic death of Mr. Hunt, Extra-Deputy Conservator of Forests, in whom the Provincial Service lost a useful officer. The Chief Commissioner has noted the names of the officers brought to notice for good work by the Chief Conservator, and he congratulates Mr. Dunbar Brander, Rao Bahadur Srinivasulu Naidu and Mr. M. Narsingh Rao on their being admitted to the Order of the British Empire in recognition of their strenuous exertions in supplying fodder for the Army.

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ORDER.—Ordered that a copy of this Resolution be submitted to the Government of India, Revenue and Agriculture Department, and that a copy be forwarded to the Chief Conservator of Forests and to the Conservators of Forests, Northern, Southern and Berar Circles, for information and guidance; also, that it be published in the Supplement to the *Central Provinces Gazette*.

J. F. DYER,  
*Third Secretary to the Chief Commissioner,  
 Central Provinces.*

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# REPORT ON THE FOREST ADMINISTRATION OF THE CENTRAL PROVINCES FOR THE YEAR 1917-18.

## INTRODUCTORY.

1. The conditions obtaining during the year under review as regards shortage of staff were similar to those in the preceding year. The demands for Military supplies were, however, largely increased, especially for hay, the indent being raised from 20,000 tons in the preceding year to 70,000 tons, and subsequently an even larger amount was asked for. The collection, carting and baling of this large amount of fodder taxed the energies of the staff to the utmost. It is satisfactory to be able to record that nearly 100,000 tons of hay was supplied. The results are exhibited in the following statement:—

Division.	Amount of grass to be supplied.	Amount cut.	Amount accepted.	Amount rejected as unsuitable.	Amount damaged by rain and condemned.	Amount in stock.	Cost of cutting, carting, baling and delivery into wagons, i. e., cost of the whole operations.	Cost of presses, wire, etc.	Cost of specially entertained establishment.	Totals of columns 8, 9 and 10.	Average cost per ton including rejected and condemned grass (column 10 divided by column 11).	Realization of revenue on rejected or damaged grass.	
1	2	3	4	5	6	7	8	9	10	11	12	13	
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Rs.	Rs.	Rs.	Rs.	Rs. a. p.	Rs. a. p.	
NORTHERN CIRCLE.	North Mandla	1,000	711	702	3	6	9,700	653	530	10,883	15 5 0	102 11 2	
	Jubbulpore-Narsinghpur	2,700	2,591	2,469	16	106	51,521	1,731	1,610	54,862	21 2 9	223 10 9	
	Damoh	4,600	3,181	2,922	56	203	53,274	4,743	2,141	59,558	18 11 7	...	
	Saugor	3,800	2,661	2,583	78	...	35,081	5,834	2,803	63,718	23 15 1	18 0 0	
	Hoshangabad	15,000	13,618	13,449	169	...	2,86,649	2,070	267	2,88,986	21 3 6	297 12 6	
	Chhindwara	2,500	2,628	2,324	145	...	52,745	2,744	...	54,989	20 14 9	181 15 0	
<b>Total</b>	<b>29,600</b>	<b>25,300</b>	<b>24,449</b>	<b>467</b>	<b>315</b>	<b>159</b>	<b>5,08,970</b>	<b>16,675</b>	<b>7,351</b>	<b>5,32,926</b>	<b>20 15 10</b>	<b>824 1 5</b>	
SOUTHERN CIRCLE.	Balaghat	2,000	2,171	2,016	...	155	21,299	8,477	933	30,709	14 3 0	100 0 0	
	Bhandara	12,700	12,894	12,028	209	657	1,37,211	10,379	8,125	1,55,715	12 1 2	744 0 0	
	North Chanda	7,000	8,658	8,547	111	...	91,243	4,275	2,280	97,798	11 4 9	608 0 0	
	Nagpur-Wardha	10,000	14,381	13,356	285	237	503	2,02,303	7,106	5,999	2,21,408	15 6 4	674 0 0
	<b>Total</b>	<b>31,000</b>	<b>38,104</b>	<b>35,947</b>	<b>605</b>	<b>1,049</b>	<b>503</b>	<b>4,58,056</b>	<b>30,237</b>	<b>17,337</b>	<b>5,05,630</b>	<b>13 4 4</b>	<b>2,126 0 0</b>
EASTERN CIRCLE.	Nimar	15,000	19,011	18,885	127	...	3,83,560	3,879	2,910	3,90,279	20 11 6	284 0 0	
	Betul	2,000	2,644	1,964	...	501	179	21,304	7,840	1,593	33,737	12 12 2	121 0 0
	Yeotmal	6,000	6,061	5,513	537	...	...	1,03,130	...	585	1,03,715	17 1 9	2,104 0 0
	Buldana	2,000	1,991	1,470	83	438	...	25,337	...	543	26,880	13 8 0	4,250 0 0
	Amraoti	5,000	5,427	5,160	167	...	...	1,25,413	...	2,409	1,27,822	24 5 0	91 0 0
	<b>Total</b>	<b>30,000</b>	<b>35,135</b>	<b>33,102</b>	<b>914</b>	<b>939</b>	<b>179</b>	<b>6,02,744</b>	<b>11,649</b>	<b>8,040</b>	<b>6,82,433</b>	<b>17 10 11</b>	<b>6,850 0 0</b>
<b>GRAND TOTAL</b>	<b>90,600</b>	<b>98,629</b>	<b>93,498</b>	<b>1,986</b>	<b>2,303</b>	<b>841</b>	<b>16,29,770</b>	<b>58,561</b>	<b>32,723</b>	<b>17,21,059</b>	<b>17 7 2</b>	<b>9,830 1 5</b>	

\* Exclusive of Rs. 1,000 on account of cancelled grass lease.

NOTE.—It is proposed to issue a separate report of these grass operations under the different heads of work, showing in detail by divisions for future guidance the various methods adopted when there are demands for fodder supplies to meet scarcity, etc.

2. Although full attention could not be given to the ordinary works of the Forest Department, progress was made in various directions, and the results of the year's work under the different heads are shown in the following sections compiled from the Annual Reports of the Conservators.

3. The revenue for the year amounted to Rs. 35,50,509 as compared with Rs. 34,10,595 in 1916-17, and it is interesting to compare the present financial position of the Forest Department with the position eight years ago. In 1910-11 the gross revenue was 21 lakhs, while in 1917-18 it amounted to 35½ lakhs, this is a large increase; but it is in the net surplus that the improvement is most marked, the surplus having risen from 4½ lakhs in 1910-11 to 16½ lakhs in 1917-18.

4. With the return to normal conditions, and the expansion of industrial work, consequent on the Report of the Indian Industrial Commission, there should be largely increased possibilities of exploitation of the State Forests and a fuller utilization of many species of timbers and minor forest products. The further opening up of the forests by improved communications and possibly by means of mechanical transport and the encouragement of local saw mills for conversion of timber to meet all forms of market demands will be necessary,

and the early establishment of a Research Branch, to enquire, among other things, into the possibilities of utilizing many forest products at present little or not used, is most essential. The commercial aspect of the Forest Department cannot fail to become of increasing importance.

5. Other matters to which attention might profitably be devoted are—

(i) Improved methods of cultivation and collection of lac, and extension of propagation of lac to areas where suitable species of trees exist.

(ii) Improved methods of extraction of rusa oil.

(Both these matters are receiving attention, but a special Research Staff is needed for the work.)

(iii) Extension of bamboo plantations in Berar to meet the local demands.

(iv) The replacement of inferior species of trees in poor class forests by more valuable species suitable to the locality. (As an example, may be quoted the promising results obtained by sowing sandal in the Akola Division.)

(v) Best methods of utilizing the myrabolan (*Terminalia chebula*) crop. (This product, which is of the greatest importance in the tanning industry, was largely exported to Germany in pre-war days.)

(vi) The commercial possibilities of creating mohwa (*Bassia latifolia*) plantations.

A liberal expenditure and an adequate staff will, however, be essential to ensure progress.

#### AREA AND CLASSIFICATION.

6. The areas of State reserved forests at the beginning and the close of the year under report compare as follows:—

				Area on 1st July 1917 (Square miles).	Area on 30th June 1918 (Square miles).
Central Provinces (proper)	{ A class	...	...	15,705	15,705
	{ B class	...	...	625	622
Berar proper	{ A class	...	...	2,317	2,495
	{ C class	...	...	1,025	827
Total				19,672	19,649

The changes among forest areas in the three Circles are detailed in Form No. 7. There was a total reduction of 23 square miles or 14,605 acres which was due to the following causes:—

				Gain (acres).	Loss (acres).
Afforestments and disforestsments	...	...	...	961	19,073
Transfers from E, G and H classes	...	...	...	3,637	...
Correction of area	...	...	...	188	221
Exchange of area	...	...	...	61	158
				4,847	19,452
				or loss of 14,605 acres.	

Most of the changes occurred in the Berar Circle. The proportion of the total forest area to the total area of the Province remained the same as last year, *viz.*, one-fifth.

7. The area under the management of the Buildings and Roads Branch of the Public Works Department remained the same as last year. That under the management of the Irrigation Branch increased by four square miles from 22 to 26, the increase falling entirely in the Northern Circle, which has shown this area this year for the first time.

#### FOREST SETTLEMENTS.

8. In addition to the 7.24 square miles which remained to be settled at the commencement of the year, 3.28 square miles was taken in hand during the year, the total area for settlement being 10.52 square miles. Out of this, 6.93 square



miles was finally settled, leaving an area of 3,59 square miles to be settled at the close of the year. As usual, in all cases the Deputy Commissioners of the Districts concerned acted as Forest Settlement Officers and hence no special expenditure was incurred on this account.

#### DEMARCATION.

9. The total length of boundaries fell from 35,269 miles at the commencement of the year to 34,587 miles at the close. There was an increase of 17 miles in the Northern Circle (Hoshangabad Division), but this small increase was more than counterbalanced by a reduction of five miles in the Southern Circle, and a reduction of 694 miles in the Berar Circle, the net decrease being 682 miles. The reduction in the Berar Circle was caused by the alterations in the areas of reserved forests necessitated by the introduction of the new working-plan of the Yeotmal Division, which resulted in an increase of 566 miles of boundaries of A class forest and a decrease of 1,260 miles of boundaries in C class forest.

The net result was an addition of 199 miles of new boundaries for the Province as a whole. The total length of boundaries of 34,587 miles at the close of the year was composed of—

- 31,481 miles of artificially demarcated boundaries.
- 3,083 miles of natural boundaries not requiring artificial demarcation.
- 23 miles of boundaries still to be demarcated.

The work done on boundaries is classified as follows:—

	Mile
1. Length of lines over which all pillars were put in thorough repairs ...	4,515
2. Length cleared without reference to fire-protection ...	7,866
3. Length checked with survey maps ...	2,511

10. The total expenditure on demarcation work amounted to Rs. 16,676 during the year under report against Rs. 18,399 in the previous year, a decrease of Rs. 1,723, which was shared both by "new works" and "repairs" and was common to all Circles. Out of this, Rs. 1,085 was spent on new works and Rs. 15,591 on repairs and maintenance. In the Seoni Division, Northern Circle, advantage was taken of the settlement operations now in progress there, to reconcile the discrepancies between the Revenue and Forest boundaries. In the Southern Circle the work under the five years' programme was continued, but in some Divisions it was hindered by the grass operations, which was the case also in the Buldana and Betul Divisions of the Berar Circle. For this reason also no progress in settling various boundary disputes pending from the last year in the Nimar Division could be made. In the Akola Division a new five-year scheme was drawn up and approved by the Conservator, but the total length of the existing lines allotted to the year could not be completed owing partly to the scheme being approved rather late and partly to want of funds.

#### SURVEYS.

11. No survey operations were carried out by Survey of India during the year in any of the three Circles. A good deal of mapping work was, however, done in all Circles. A special map of the Central Provinces and Berar showing forest reserves (scale 1"=16 miles) was also prepared.

In the Berar Circle some areas in the Melghat and Yeotmal Divisions were surveyed by local agency at a small cost, while in the Southern Circle three forest villages were surveyed by the agency of the local Forest staff.

#### CONSTITUTION OF STATE FORESTS.

12. The total expenditure on the constitution of State Forests during the years 1916-17 and 1917-18 is compared in the following statement:—

Circle.		Year (1917-18).	Year (1916-17).	Difference.
		Rs.	Rs.	Rs.
Northern	...	7,330	9,215	-1,885
Southern	...	5,446	5,528	-82
Berar	...	19,396	22,422	-3,026
Total		32,172	37,165	-4,993

The expenditure during the year under report was less than that in the preceding year by Rs. 4,993, the decrease being shared by all Circles. As usual, Rs. 13,990 was paid to the Melghat Rajas in the Berar Circle as compensation for forest rights.

#### WORKING-PLANS.

13. The area under the sanctioned working-plans at the beginning of the year was 15,788 square miles. During the year the only new working-plan which was sanctioned by the Local Government was for the forests of the Yeotmal Division, comprising an area of 757 square miles. Allowing for several exchanges of areas and disforestments leading to a net reduction of one square mile, the total forest area for which sanctioned working-plans now exist amounted to 16,544 square miles at the close of the year, which represents 85 per cent of the total forest area of all classes under the control of the Forest Department.

14. The revised working-plans for the North and South Raipur Divisions referred to in the last year's report are still under consideration, but the prescriptions, modified in several respects, are being carried out provisionally. The scheme of roads and the proposals to establish fuel depôts in these Divisions to supply fuel at cheaper rates to induce the people of Chhattisgarh to use fuel in place of cow-dung cakes may render further changes necessary, as it is impossible to foretell exactly the extent of the demand on different lines of communications, and felling series may have to be recast. The preliminary report for the forests of the Sironcha Range was approved by the Chief Conservator of Forests during the year, and it is reported that the preparation of the plan itself is well in hand. The Conservator of Forests, Southern Circle, also states that the field-work for the revision of prescriptions of the working-plan for the Wainganga Felling Series of the Markhanda Range of the South Chanda Division is nearly ready. As regards the working-plan for the forests of the Amraoti Division, the Conservator of Forests (Mr. Trafford) represented that, owing to the class of forests and their scattered nature, a regular working-plan was unnecessary. A regular programme for agri-sylvicultural work was, however, desirable, and that was receiving the attention of the Divisional Forest Officer. The Chief Conservator of Forests decided that the question of a working-plan for the Amraoti Division could wait till he had an opportunity of touring in that Division. The programme of agri-sylvicultural work referred to above has, however, still to be received from the Conservator.

The revised scheme for the forests of the Narsinghpur District sanctioned by the Local Government last year was brought into force during the year under report, and the results obtained so far are reported to be very satisfactory, as the prices realized for the coupes prescribed by the scheme are said to have been double those of the previous year. As regards the revision of the working-plans of the Hoshangabad Division (except Bori), referred to last year, the Conservator, Northern Circle, reports that preliminary proposals were drawn up and are under his consideration. The revised provisional felling scheme for the Seoni Division received the sanction of the Local Administration during the year, and it is reported that this has resulted into a very large increase in the volume and value of forest produce extracted. The revision of the plans for the Seoni Division is very desirable and will be taken up as soon as circumstances permit. The revision of the North Chanda working-plans is still in abeyance owing to want of staff and to the fact that the classification of the reserves into A and B classes is by no means completed.

15. The provisions of the existing working-plans were acted up to as far as possible. In the Balaghat Division the abnormal demand for sleepers by the Indian Munitions Board necessitated the opening of coupes prescribed for felling in 1922—1926 in the Baihar Range. The fellings in the Raigarh Range are reported to be still more in arrears than before, and in the Bilaspur and Nagpur-Wardha Divisions some coupes remained unsold for want of demand.

16. Annual plans of operations were prepared for all Divisions and were acted up to as far as circumstances and funds permitted.

17. In the following statement is shown the progress made in working-plans during the year under report:—

Circle.	Area under sanctioned working-plans.					Area not under working-plans.				Revisions.			Expendi- ture on working- plans during year.	Remarks.
	At com- mence- ment of year.	Added during year.	Deducted during year.	At close of year.		Plans under prepara- tion.	Plans not under preparation.		Total forest area in Form No. 7 (total of columns 5, 7, 8, and 9).	Due or required.	In progress at end of year.	Revised Plans Sanc- tioned during year.		
				Actual area.	Percent- age of total forest area (as shown in column 10).		Required at present.	Not required at present.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Northern	4,966	...	...	4,966	79	...	55	1,485	6,506	677	...	...	...	...
Southern	6,009	...	...	6,009	86	329	2	606	6,946	1,112	1,548	...	...	...
Betar	4,819	784	28	5,569	89	216	...	412	6,197	...	...	...	189	...
Total	15,788	784	28	16,544	85	545	57	2,503	19,649	1,789	1,548	...	189	...

The above statement shows that out of the total area of State forest of 19,649 square miles, an area of 16,544 square miles or 85 per cent has sanctioned working-plans. For an area of 1,548 square miles out of this latter, however, plans are in progress of revision. An area of 1,789 square miles requires revision, for 677 square miles of which it has been undertaken. New plans are being prepared for an area of 545 square miles, while for an area of 57 square miles plans have still to be taken in hand, the area for which no plans are considered to be necessary at present being 2,503 square miles. These are mostly B and C class forests.

## COMMUNICATIONS.

18. The expenditure incurred and the amount of work done on communications during the two years 1916-17 and 1917-18 are compared in the following statement :—

Circle.	Year.	New works.		Repairs.		Total cost.
		Length.	Cost.	Length.	Cost.	
		Miles.	Rs.	Miles.	Rs.	Rs.
Northern	1916-17	188	22,387	1,229	10,128	32,515
	1917-18	121	16,560	1,575	14,627	31,187
Southern	1916-17	100	8,189	2,360	10,915	19,104
	1917-18	116	18,132	2,908	14,814	32,946
Berar	1916-17	65	23,421	2,187	14,939	38,360
	1917-18	75	16,233	1,913	17,694	33,927
Total	1916-17	353	53,997	5,776	35,982	89,979
	1917-18	312	50,925	6,396	47,135	98,060
	Difference	-41	-3,072	+620	+11,153	+8,081

The total expenditure under this head during the year was Rs. 98,060 against Rs. 89,979 in the preceding year—an increase of Rs. 8,081. The Northern and Berar Circles showed a decrease of Rs. 1,328 and Rs. 4,433, respectively, but these decreases were more than counterbalanced by an increase of Rs. 13,842 in the Southern Circle. The Conservator, Northern Circle, suggests that a more forward policy should be adopted in future as regards the construction of suitable forest roads which will open out the more inaccessible forests for exploitation. I fully agree in this policy, which is also mentioned by some district officials in their remarks forwarding the Annual Reports. It is, however, dependent on funds and staff.

In the Berar Circle the expenditure on repairs exceeded that in the previous year by Rs. 2,755, but Rs. 7,188 was spent less on new works during the year under report than in the previous year. This decrease is attributed partly to the contribution towards the Nanda-Bhainsdehi road in the Betul Division being less by Rs. 5,650 this year than that of the last year.

The total expenditure on new works amounted to Rs. 50,925 against Rs. 53,997 and was distributed as follows :—

Rs.	
38,410	on 212½ miles of regular cart-roads.
463	on 15 miles of bridle paths.
1,626	on 84½ miles alignment and other paths.
426	on causeways.
10,000	contribution to the District Council, Betul, towards part construction of the Nanda-Bhainsdehi road.
Total ...	<u>50,925</u>

The expenditure on repairs was Rs. 47,135 against Rs. 35,982—an increase of Rs. 11,153. More extensive repairs were carried out in all Circles, while in the Berar Circle the expenditure on repairs includes an item of Rs. 2,005 paid to the District Board, Amraoti, being one-fourth share of the amount required for repairs to the Amraoti-Pohora road.

19. The Conservator of Forests, Berar Circle, observes that the forest contributions towards the Nanda-Bhainsdehi road amount to Rs. 25,650 up to date, and that the Forest Divisional Officer, Betul, remarks that if the work on this road could be pushed across the Tapti river to Nanda, and the approaches to the river were eased sufficiently for fair-weather use, the sale of timber and bamboos from the extensive Tapti Range forests would be greatly facilitated. In view of the possibility of increased funds being available in the near future, this proposal should be considered by the Conservator. During the year the Chief Commissioner made a special grant of Rs. 5,000 and a promise of Rs. 30,000 during the next year for road works in the South-Raipur Division and for the establishment of fuel depôts in order to place firewood at cheap rates at the disposal of the people of the Chhattisgarh plains. These works, which are likely to be of much advantage to agriculture, should be pushed on vigorously. The Conservator, Northern Circle, remarks that good progress was made in the improvement of communications in the Seoni Division during the year, which has opened out hitherto unworked areas and already yielded a revenue very considerably in excess of the amount spent thereon.

### BUILDINGS.

20. The following statement compares the expenditure incurred on buildings during the years 1916-17 and 1917-18:—

Circle.	Year.	New works, cost.	Repairs, cost.	Pay of mali, etc., cost.	Total.
		Rs.	Rs.	Rs.	Rs.
Northern	1916-17	16,093	10,124	255	26,472
	1917-18	25,191	11,213	214	36,618
Southern	1916-17	4,772	9,301	...	14,073
	1917-18	12,252	8,686	...	20,938
Berar	1916-17	7,040	17,111	..	24,151
	1917-18	14,330	14,955	55	29,340
Total	1916-17	27,905	36,536	255	64,696
	1917-18	51,773	34,854	269	86,896
	Difference	+ 23,868	- 1,682	+ 14	+ 22,200

It will be seen that the total outlay under this head during the year under report showed an increase of Rs. 22,200 over that of the preceding year, the respective amounts being Rs. 86,896 and Rs. 64,696. The expenditure on new works was more by Rs. 23,868, there being a decrease of Rs. 1,682 under repairs. The increase under new works was shared by all Circles, especially by the Southern and Berar Circles. This expenditure amounted to Rs. 51,773, and with the exception of Rs. 2,865 in the Northern Circle spent on a rest-house, and Rs. 1,301 spent on other buildings for the Province as a whole, the whole amount was spent on quarters for the subordinate establishment. The Chief Conservator fully agrees with the Conservators and the Commissioners and district officers who have referred to the subject that the proper housing of the Forest staff is a matter of the first importance, and he trusts that as soon as the financial stringency is relaxed, funds will be provided liberally for this purpose. The expenditure on "Repairs" amounted to Rs. 34,854 against Rs. 36,536—a reduction of Rs. 1,682. Against an increase of Rs. 1,089 in the Northern Circle, the Southern and Berar Circles showed decreases of Rs. 615 and of Rs. 2,156, respectively. In addition to the above, Rs. 269 was spent on pay of malis attached to certain rest-houses.

### TANKS, WELLS AND OTHER MISCELLANEOUS WORKS.

21. The expenditure incurred on these works during the year under report is compared with that in the preceding year in the following statement:—

Circle.	Year.	New Works				Repairs.				Grand Total.
		Tanks, cost.	Wells, khirias, etc., cost.	Compound fencing, etc., cost.	Total cost.	Tanks, cost.	Wells, khirias, etc., cost.	Compound fencing, cost.	Total, cost.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1916-17	...	3,014	175	3,189	200	813	966	1,979	5,168
	1917-18	...	2,806	843	3,649	146	911	1,149	2,206	5,855
Southern	1916-17	44	3,379	64	3,487	1,051	866	1,317	3,234	6,721
	1917-18	5,155	2,500	88	7,743	994	439	1,552	2,985	10,728
Berar	1916-17	229	2,786	...	3,015	...	577	1,066	1,643	4,668
	1917-18	511	1,848	150	2,509	553	378	1,059	1,990	4,499
Total	1916-17	273	9,179	239	9,691	1,251	2,256	3,349	6,856	16,547
	1917-18	5,666	7,154	1,081	13,901	1,693	1,728	3,760	7,181	21,082
	Difference	+ 5,393	- 2,025	+ 842	+ 4,210	+ 442	- 528	+ 411	+ 325	+ 4,535

The total outlay amounted to Rs. 21,082 against Rs. 16,547—an increase of Rs. 4,535, of which Rs. 4,210 was shared by new works and Rs. 325 by "Repairs." There was a slight decrease of Rs. 159 in the Berar Circle, but the expenditure in the Northern and Southern Circles rose by Rs. 687 and Rs. 4,007, respectively. Under new works Rs. 13,901 was spent against Rs. 9,691, the increase occurring in the Southern Circle. This was due to the construction of the Panchdhar Anicut in the Arvi Range of the Nagpur-Wardha Division, on which Rs. 5,023 was spent during the year. This anicut was nearly completed at the close of the year, the total cost of the work having been Rs. 6,089. The expenditure on new wells, etc., amounted to Rs. 7,154 against Rs. 9,179—a reduction of Rs. 2,025, which was common to all Circles. Rs. 842 was spent on fencing new compounds, etc., more than in the preceding year, and there was more expenditure on this account in all Circles. Under "Repairs" Rs. 1,693 against Rs. 1,251 was spent on tanks, Rs. 1,728 against Rs. 2,256 on wells, etc., and Rs. 3,760 against Rs. 3,349 on compounds, etc., the total being Rs. 7,181 against Rs. 6,856.

22. The report on the experiment carried out in the Nimar Division of substituting nala bunds for tanks in the grazing tracts with a view to testing their usefulness for storing water for cattle in years of drought was submitted to the Local Administration and sanction to introduce this scheme all over the Province was received during the year. The Conservators have been addressed accordingly on the subject, and their reports are still awaited. It seems that it has not been possible to make as much progress in this matter as could be wished owing to the time of the Divisional Forest Officers having been occupied by the Military grass operations, and it is hoped that much more progress will be made during the current year. In the Berar Circle a Stage II estimate amounting to Rs. 5,520 for constructing a masonry dam on the Gugamal forest road in the Melghat Division received the administrative sanction of Government during the year, and the work is to be carried out by the Public Works Department during the current year if funds are available.

23. The total outlay on communications, buildings, tanks, wells and other miscellaneous works amounted to Rs. 2,06,038 during the year against Rs. 1,71,222 in the preceding year—a rise of Rs. 34,816, the reasons for which have been explained under the respective heads.

GENERAL PROTECTION.

24. The following statement compares the number of forest offences of the two years 1916-17 and 1917-18 and the average of the three years ending with 1915-16:—

Nature of offence.	Northern Circle.				Southern Circle.				Berar Circle.				Total Province.				Percentage to total cases of 1917-18
	Average for 3 years.	1916-17.	1917-18.	Increase or decrease.	Average for 3 years.	1916-17.	1917-18.	Increase or decrease.	Average for 3 years.	1916-17.	1917-18.	Increase or decrease.	Average for 3 years.	1916-17.	1917-18.	Increase or decrease.	
I—Injury by fire ...	121	78	184	+106	97	62	82	+20	61	58	45	-13	279	198	311	+113	25
II—Unauthorised fellings ...	2,489	2,582	2,476	-106	1,472	1,571	1,372	-199	1,694	1,452	1,232	-220	5,655	5,605	5,080	-525	40.9
III—Unauthorised grazing ..	2,137	2,454	2,122	-332	1,697	1,914	1,467	-447	3,028	3,166	2,794	-372	6,862	7,534	6,383	-151	51.4
IV—Other offences ...	93	64	62	-2	88	165	111	-54	431	480	468	-12	612	709	641	-68	5.2
Total ...	4,840	5,178	4,844	-334	3,354	3,712	3,032	-680	5,214	5,156	4,539	-617	13,408	14,046	12,415	-1,631	...

The total number of forest offences during the year under report declined from 14,046 in 1916-17 to 12,415—a decrease of 1,631 cases. There was an increase of 113 cases under “Injury by fire,” but this increase was more than counterbalanced by the decrease of 525 cases under “Unauthorized fellings,” of 1,151 cases under “Unauthorized grazing” and 68 cases under “Other offences.” The total number of 12,415 was composed of as follows:—

I—Injury by fire	...	...	311 cases or 2.5 per cent.
II—Unauthorized fellings	...	...	5,080 cases or 40.9 "
III—Unauthorized grazing	...	...	6,383 cases or 51.4 "
IV—Other cases	...	...	641 cases or 5.2 "

This decrease of 1,631 cases for the Province as a whole was shared by all Circles—Northern Circle, 334, Southern Circle, 680, and Berar Circle, 617.

I.—*Injury by Fire.*—The number of offences under this head was 311 against 198 in the preceding year—an increase of 113 cases. There was a small decrease of 13 cases in the Berar Circle, but this was more than compensated by decreases of 106 and 20 in the Northern and Southern Circles. The Divisions mainly responsible for the fall in the Berar Circle were the Melghat, Nimar and Akola, though there was an increase of four cases in the Yeotmal Division; the fluctuations in other Divisions were small. The increase in the last-named Divisions is attributed to mohwa-pickers, who were more numerous than usual owing to high prices of food-grains. In the Northern Circle all Divisions except Jubbulpore-Narsinghpur contributed towards the increase of 106 cases, notably North-Mandla, Seoni and Chhindwara. The first and last-named Divisions attribute the increase to the season being unusually dry. The Chhindwara Division also reports that it was partly due to the slackness of the staff due to frequent changes among the Range Officers. The increase in the Seoni Division is ascribed to the inclusion of fires occurred in unprotected areas which had not been accounted for hitherto. The increase in the Southern Circle is said to be due to the less favourable season and was common to all Divisions.

II.—*Unauthorized Fellings.*—There was a decrease of 525 cases under this head (from 5,605 to 5,080) towards which all Circles contributed—Northern Circle, 106, Southern Circle, 199, and Berar Circle, 220. South-Mandla (153), Chhindwara (66), Hoshangabad (14) and Seoni (9) Divisions were responsible for a total decrease of 229 cases, but this was reduced to 106 by a total increase of 123 cases in the remaining Divisions, except Damoh. The increase of 50 cases in each of the Saugor and North-Mandla Divisions is attributed to the unfavourable agricultural conditions of the year in the former and to the non-observance by commuters of the prescribed months for fellings in the latter. On the other hand, the decrease of 153 cases in the adjoining South-Mandla Division is ascribed to the commuters becoming aware of the restrictions imposed by the commutation rules and their compliance with them. Greater facilities afforded to the public by a reduction in the rates for forest produce and heavier compensation demanded in the more serious offences are said to be the reasons for the decline in the Chhindwara Division. Other variations are trifling. The reduction in the Southern Circle occurred chiefly in the Balaghat Division (79), Bhandara Division (65) and North-Raipur Division (85). In the last-named Division the decline is assigned to the villagers purchasing their requirements from coupe contractors, and elsewhere to grass operations, which prevented adequate supervision. In the Berar Circle all Divisions, except the Melghat and Betul with small increases, subscribed towards the decrease of 220 cases, which, the Conservator observes, was probably due in part to the people being employed on grass operations but chiefly to the staff having been engaged on these operations, to the detriment of other work.

III.—*Unauthorized Grazing.*—The total decrease under this head amounted to 1,151 cases (6,383 against 7,534), which was common to all Circles—Northern,



332, Southern, 447, and Berar, 372. The decrease in the Northern Circle occurred chiefly in the South Mandla, Damoh and Saugor Divisions and in the Southern Circle in all Divisions except the South Raipur Division, and is attributed to an incomplete check of cattle in the forests on account of the absence of subordinates on grass operations. The Conservator, Southern Circle, observes that severe punishments inflicted in previous years may have had a deterrent effect in this respect in the Balaghat Division, where the reduction was 200 cases. In the South Chanda Division, where the fall amounted to 122 cases, it is remarked that the last year's figures were inflated owing to inclusion of cases in which cultivators had hired cattle from money-lenders and had included them in their privileged cattle. This abuse of the grazing rules has, however, now been stopped. For nearly half the decrease in the Berar Circle the Yeotmal Division was responsible, and the Divisional Forest Officer attributes it to improved supervision at the time when passes were being issued.

IV.—*Other Offences.*—The fall under this head (68) is too small to require any explanation. The cases of the year in the Northern and Berar Circles were more or less identical with those of the preceding year, while the decrease in the Southern Circle occurred mainly in the Balaghat and North-Chanda Division.

In the Jubbulpore-Narsinghpur Division three large theft cases of teak occurred. One of them was committed by the malguzar of Mawai and his servants with the connivance of the beat Forest Guard. Heavy compensation was levied from the malguzar, while the Forest Guard at fault was dismissed. It is reported from the Seoni Division that a great deal of illicit felling was rampant in the past in the Kariapahar Circle by the surrounding villagers, and the matter is being enquired into by the Tahsildar on its being brought to the notice of the Deputy Commissioner.

25. *Disposal of Forest Offence Cases.*—At the close of the year 1916-17 there were 1,437 cases pending decision. Out of these 55 cases were since either withdrawn or written off, all in the Northern Circle; thus the net number of the cases pending at the beginning of the year 1917-18 was 1,382 cases. During the year under report 12,415 cases occurred, and the total number of cases for disposal was 13,797. Out of these cases, 19 cases were either withdrawn or the offenders let off with a warning and 608 cases remained undetected. 1,373 cases could not be disposed of during the year and remained pending, 187 cases were taken to court and 11,610 cases were compounded under Section 67 of the Indian Forest Act. Out of the 187 cases decided by court, conviction was obtained in 152 cases or 81 per cent, and 35 cases were acquitted. The percentage of convictions for the Province as a whole rose from 73 in the year 1916-17 to 81 in the year under report, and this reflects credit on the Forest officials in preparing the cases for trial. This increase in the percentage was shared by all Circles and compares as follows:—Northern Circle, 70 against 66, Southern Circle, 86 against 84, and Berar Circle, 91 against 79. The punishments awarded appear from the Conservators' reports to be adequate and satisfactory on the whole, except in the Nimar Division, where certain cases had to be brought to the notice of the District Magistrate. In three cases discharged in the Damoh Division, retrial was ordered in one, and the question of retrial in another and of appealing against the acquittal in the third was under the consideration of the District Magistrate at the close of the year. The District Magistrate has, it is reported, impressed upon the deciding courts the necessity for adequate punishments. In the South Raipur Division in eight cases of illicit grazing, in which the owners attempted to evade responsibility for the acts of their graziers, conviction was obtained in all except one case.

Out of the total number of cases compounded (11,610), compensation was recovered in all but two cases in which the defendants were acquitted. The average amount of compensation realized per case and per person in the three

Circles as well as the Province as a whole during the past two years compare as follows:—

Circle.	Per case.		Per person.	
	1916-17.	1917-18.	1916-17.	1917-18.
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.
Northern ...	7 1 4	7 12 0	2 11 9	3 3 3
Southern ...	7 13 1	7 4 1	2 10 2	2 6 1
Berar ...	12 12 1	10 15 11	3 12 7	3 8 10
Total ...	9 3 6	8 10 8	3 0 9	3 0 9

While the Provincial average per person remains the same as last year, in the average per case there was a slight decrease, *viz.*, Re. 0-8-10.

The total number of undetected cases stood at 608 against 584 in the preceding year, an increase of 24. The increase occurred entirely in the Northern Circle (80 cases), the Southern and Berar Circles having shown a decrease of 32 and 24 cases respectively. The number of cases which remained pending at the close of the year was 1,373 against 1,437 at the beginning of the year.

26. The following statement compares the number of forest offences in which rewards were granted for the detection of offenders and the amount of rewards paid in total and per case:—

Circle.		Number of cases.	Amount of rewards.	Average amount per case.
			Rs. a. p.	Rs. a. p.
Northern ...	1916-17	62	213 0 0	3 6 11
	1917-18	60	331 0 0	5 8 0
Southern ...	1916-17	214	340 0 0	1 9 5
	1917-18	25	96 12 0	3 13 11
Berar ...	1916-17	20	109 0 0	5 7 2
	1917-18	23	314 0 0	13 10 5
Total ...	1916-17	296	662 0 0	2 3 9
	1917-18	108	741 12 0	6 13 9

There was an increase in the average amount of reward paid per case in all Circles, especially in the Berar Circle, which was due to the fact that in this Circle in one noteworthy case of illicit grazing in which 1,484 cattle were involved a reward of Rs. 100 was granted. Also a reward of Rs. 50 was paid to the officials responsible for catching a gang of Multanis from the Hyderabad State who were stealing timber in the Yeotmal Division. The increase in the Northern Circle is ascribed to the fact that suitable rewards had to be given in important cases of a serious nature the detection of which disclosed special fact or honesty.

## PROTECTION FROM FIRE.

27. The results of fire protection during the last three years are compared in the following statement:—

Circle.	Year of protection.	Area attempted to be protected (square miles).	Failures (square miles).	Area actually protected (square miles).	Percentage of area successfully protected.	Cost.	Average cost of protection per square mile.	Remarks.
1	2	3	4	5	6	7	8	9
Northern ...	1915-16	3,411	118	3,293	97	Rs. 34,747	Rs. a. p. 10 1 7	* The cost is inclusive of early burning charges.
	1916-17	3,410	40	3,370	99	35,082	10 4 4	
	1917-18	2,822	65	2,757	98	29,073	10 4 10	
Southern ...	1915-16	4,034	71	3,963	98	*39,237	9 11 8	
	1916-17	3,844	21	3,823	99	*38,518	9 10 0	
	1917-18	3,562	57	3,504	98	*38,384	10 15 5	
Berar ...	1915-16	3,445	74	3,371	97	28,153	8 0 5	
	1916-17	3,082	31	3,051	99	20,485	6 10 4	
	1917-18	3,088	37	3,051	99	18,405	5 15 3	
Total ...	1915-16	10,920	263	10,657	97	1,02,137	9 4 7	
	1916-17	10,336	92	10,244	99	94,085	9 1 7	
	1917-18	9,472	159	9,312	98	85,862	9 1 0	

The area on which regular fire protection was attempted during the year was 9,472 square miles against 10,336 square miles in the preceding year, a reduction of 864 square miles, which occurred in the Northern Circle (588 square miles) and in the Southern Circle (282 square miles), there being an increase of 6 square miles in the Berar Circle. In the North-Mandla Division 17 square miles were excluded from regularly protected area, as the forest growth thereon was not worth protection. The decrease of 204 and 367 square miles respectively in the Seoni and Damoh Divisions was due partly to the transfer of certain areas to "early burning" and partly to certain areas not having been protected owing to their having been heavily grazed. The Conservator, Southern Circle, reports that the reduction in his Circle was more apparent than real. At the close of the Military grass operations, 282 square miles (Nagpur-Wardha 119, Bhandara 124, North Chanda 37 and Balaghat 2) of tracts containing fodder grasses but hitherto under systematic protection were burnt to obtain a better regrowth of grass and to remove old grass. In the Berar Circle also 534 square miles were burnt departmentally to ensure a good crop of grass for anticipated fodder operations. In this Circle more areas were brought under systematic fire protection in the Yeotmal Division (223 square miles) and in the Nimar Division (180 square miles), but against these increases there were reductions in the Melghat Division (1 square mile), the Buldana Division (240 square miles) and the Betul Division (156 square miles), thus resulting into a net increase of six square miles for the Circle. The increase in the Yeotmal Division is attributed to the transfer of areas from C to A class and that in the Nimar Division to the area in the Kalibhit Range, which was early burnt only in 1916-17, being retransferred to systematic fire protection. The small decrease in the Melghat Division was due to correction of area. In the Buldana Division fire protection was altogether abandoned in favour of early burning to which reason the reduction in the Betul Division is also said to be due. It is satisfactory to note that more areas are being brought under "early burning" from year to year and that the system is giving good results. The suggestion made by the Conservator

of Forests, Berar Circle, last year that all fires occurring in early burnt areas should be reported and treated in the same manner as the fires that take place in regularly protected areas was considered by the Conservators' Conference of 1918, and it was decided that the proposal might suitably be adopted, because the object of early burning was to prevent the occurrence of late fires, the latter causing considerable damage, and it was therefore necessary that subordinates should fully understand that such fires were to be extinguished and reported.

28. The season was less favourable than last year owing to there being little or no rain during the cold weather, and the summer being exceptionally hot, and consequently the areas burnt by fires rose from 92 square miles in the year 1916-17 to 159 square miles in the year under report, an increase of 67 square miles which was spread over the three Circles: Northern 25, Southern 36 and Berar 6 square miles. The most successful Division in the Northern Circle was the Hoshangabad Division, where only .08 per cent of the total area attempted to be protected was burnt, while Chhindwara gave the worst results, the percentage of failure for this Division having been 8.92. The fires in this Division were more serious than in the preceding year, as the average area burnt per fire this year was 610 acres as compared with 180 acres last year. In the Southern Circle the South-Chanda Division stood first in this respect, the percentage of failure having been only .15. The most unfortunate Division was the Bilaspur Division, where 4.66 per cent of the area was burnt. In this Division the Panthora Range was as usual the scene of the worst fires, 25 per cent of the Range having been overrun, a result reported to be due to an unfavourable season and the apathy of the local staff and of the people. Numerous paths in this Range traverse the block chiefly affected and it is difficult to control the bamboo cutters and others who use them. The Deputy Commissioner has already taken measures to close certain routes temporarily. In the Berar Circle no fires at all occurred in the Akola Division, while nowhere in the remaining Divisions was the percentage of failure more than 3.

The area successfully protected fell from 10,244 square miles in 1916-17 to 9,312 square miles in the year under report, the percentage of success for the Province for these years being 99 against 98. For this decrease the Northern and Southern Circles were chiefly responsible, there being reductions of 613 and 319 square miles, respectively, and the Berar Circle area remained the same as last year.

29. Including the expenditure incurred on areas early burnt in the Southern Circle, the total outlay on fire protection amounted to Rs. 85,862 against Rs. 94,085, and it is satisfactory to note that there has been a tendency towards less expenditure on this account, from year to year, the expenditure in the year 1915-16 having been Rs. 1,02,137. The decrease was shared by all Circles—Northern Circle Rs. 6,009, Southern Circle Rs. 134 and Berar Circle Rs. 2,080. The average cost of fire protection per square mile was as follows:—

Circle.	1916-17.	1917-18.
	Rs. a. p.	Rs. a. p.
Northern ...	10 4 4	10 4 10
Southern ...	9 10 0	10 15 5
Berar ...	6 10 4	5 15 3
<b>Total ...</b>	<b>9 1 7</b>	<b>9 1 0</b>

30. The following statement compares the number of fires, the area burnt by them and their origin for the last two years:—

Origin of fire.	Northern Circle.				Southern Circle.				Berar Circle.				Total Province.			
	Number of fires.		Area burnt (acres).		Number of fires.		Area burnt (acres).		Number of fires.		Area burnt (acres).		Number of fires.		Area burnt (acres).	
	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A.—Burning of fire lines ...	26	9	4,944	1,391	3	16	938	2,309	6	2	428	8,710	35	27	6,310	12,410
B.—Crossing exterior lines ...	11	8	5,583	2,798	4	17	1,965	1,801	4	5	1,470	10,253	19	30	9,018	14,852
C.—Persons in forests (accidents)..	8	7	766	624	11	11	1,597	1,904	13	12	1,561	2,549	32	30	3,924	5,077
D.—Persons in forests (incendiary).	2	3	500	891	4	2	2,014	736	...	...	...	...	6	5	2,514	1,627
E.—Railway Engines ...	2	5	292	1,016	1	...	925	...	1	3	7	62	4	8	1,224	1,078
F.—Lightening or Fire Balloons ...	1	...	2	...	...	1	...	130	2	8	14,832	233	3	9	14,834	363
G.—Causes unknown ...	44	75	13,521	34,551	18	37	6,144	29,784	14	13	1,418	1,696	76	125	21,083	66,031
Total ...	94	107	25,658	41,271	41	84	13,583	36,664	40	43	19,716	23,503	175	234	58,907	101,438

For the Province as a whole the number of fires rose from 175 in 1916-17 to 234 in 1917-18, the acreage burnt during these years being 58,907 acres and 101,435 acres, respectively. There was an increase both in number of fires and also in areas burnt in all Circles.

As has been pointed out above, the season was not a favourable one for the protection of the forests from fire, and the staff could not pay as much attention as usual to this work.

#### PROTECTION FROM CATTLE.

31. During the year under report an area of 3,361 square miles was closed to grazing either for the whole or part of the year against an area of 3,517 square miles during the preceding year. Thus the total forest area which was open for grazing of animals throughout the year amounted to 16,288 square miles against 10,155 square miles in the preceding year. In 11,197 square miles of this latter area, however, camels, sheep and goats were not admitted for grazing.

The total number of animals impounded during the last two years was as follows:—

Circle.		Year 1916-17.	Year 1917-18.	Difference.
Northern	...	3,785	3,555	—230
Southern	...	4,573	3,541	—1,032
Berar	...	4,895	3,836	—1,059
Total		13,253	10,932	—2,321

Thus the total number of animals impounded fell from 13,253 in 1916-17 to 10,932 in 1917-18, a decrease of 2,321 animals, which was shared by all Circles. The Divisions mainly responsible for the decrease in the Berar Circle were Nimar, Amraoti and Buldana, where the grass operations dislocated the ordinary work.

#### PROTECTION AGAINST INJURIES FROM NATURAL CAUSES.

32. *Frost*.—A complete absence of damage by frost is reported from the Berar Circle. In the Northern Circle many ghont trees were killed by frost in the Damoh Division to the detriment of the lac crop which grows on this species. No damage was caused in the Hoshangabad, Seoni and Chhindwara Divisions, while in the remaining Divisions, with the exception of the Jubbulpore District, the frost is said to have damaged young saplings and seedlings. In the two Mandla Divisions damage was done also to the sal forests. The only Divisions which suffered considerable damage from this cause in the Southern Circle were Balaghat and Bilaspur. It is reported that in places in these Divisions saplings of 14 feet were observed with their leaders killed off.

*Winds and Hailstorms*.—No damage is reported to have been done by these causes except in the Machua Valley in the Betul Division, as was the case last year, and the Kinwat Reserve of the Yeotmal Division. It is, however, reported that high winds were largely responsible for large areas burnt by fires in the Chhindwara Division.

*Insects*.—Slight damage by the teak defoliating insect is reported from the North Mandla, Damoh and Chhindwara Divisions in the Northern Circle, while the sal borer is said to have done some damage to sal in South Mandla and to dhaura and lendia in Damoh. This latter pest was also noticed in the Balaghat Division of the Southern Circle in dead trees, and also defoliators in sal and dhaura, but the damage is said to have been slight. The attacks of *diapys furtivus* noticed last year in the South Raipur Division did not appreciably spread and the attacked trees, though still exuding resin, show no signs of decay. In the Berar Circle a few localities in the Melghat and Yeotmal

Divisions are said to have suffered to some extent from the attacks of the teak defoliator. In the Buldana Division the babul boring beetle continued to damage the plantations and the measures adopted last year were continued. It is reported from the Akola Division that this form of damage is chiefly confined to overcrowded saplings, and frequent thinnings have been found to be a sufficient remedy. An insect believed to be *phromnia marginella* was responsible for the death of a considerable number of jamrasi (*elacodendron glaucum*) trees.

*Drought.*—No damage is reported to have been done by this cause in any of the three Circles.

*Wild animals.*—In some of the Divisions in the Northern Circle the damage done by deer, antelope, sambhar and chital to coppice shoots is said to have been slight, while in others the damage was either insignificant or *nil*. The Conservator, Southern Circle, reports that the damage done to young sal saplings by these animals is very common. In the Berar Circle nurseries and young plantations are reported to have suffered to some extent by damage from pig, rats and squirrels. Special permits for the destruction of pig in the Yeotmal Division and pig and nilgai in the Akola Division were issued to *shikaris* and a certain number of these animals were killed in the latter Division. A number of chital, chital does and nilgai were also killed in the Bhongaon Reserve of the Buldana Division. The herds of chital in this block which have done considerable damage to babul bans in the past are now reported to have been reduced to about 50 or 60 and the shooting of does has been stopped with the concurrence of the Commissioner, Berar Division.

*Climbers.*—In the Northern Circle, in addition to the cutting of climbers by beat Forest Guards without cost, an expenditure of Rs. 1,271 was incurred during the year under report against Rs. 912 in the preceding year. In the Southern Circle the total area worked over under this head, including work done by Forest Guards, amounted to 93,572 acres against 93,450 acres in the preceding year, the cost incurred in these two years having been Rs. 3,982 and Rs. 3,037 respectively. The following extract from the South-Chanda Division regarding the effect of cutting *ironi* creepers in the rains and burning afterwards is of interest :—

“The results of cutting in the rains and afterwards burning the area proved to be much better than was anticipated in my last Annual Report. A careful examination of the coupe was made after the rains of 1917, and it was found that about 75 per cent of the *ironi* creepers had been killed. The remaining 25 per cent had thrown out weak shoots which, it is hoped, will have been killed by the firing which was done early in the hot weather of 1918.”

In the Berar Circle, as usual, the cutting of climbers was done by Forest Guards at the time of marking and cutting back operations in all Divisions except in the Melghat, where an expenditure of Rs. 1,656 was incurred on cutting climbers over an area of 21,727 acres during the year under report against Rs. 1,843 and 21,583 acres in the preceding year.

#### NATURAL REPRODUCTION.

33. (i) *State of existing reproduction.*—Reproduction from seed is reported to have been generally satisfactory in the Northern Circle. The Conservator, Southern Circle, reports that though this reproduction was at first good, later on the seedlings suffered from drought. In the Northern Circle there was a poor crop of mohwa, achar and tendu in the Jubbulpore-Narsinghpur Division due to frost. As regards the seedlings of sal in a portion of his forests, the Divisional Forest Officer of this Division remarks that one of the most pleasing features of recent years is the excellent advance growth of sal that is springing up there, and he attributes this to severe frost having been less frequent during the past ten years. Sal regeneration in the Southern Circle is reported to have been good to fair. In the areas closed to grazing a marked increase in the seed regeneration of valuable species is noticeable in all Divisions and seed was generally plentiful. In the Melghat Division, there was a general seeding of bamboo (*Dendracalamus strictus*) in the Khandu Range. Mohwa, however, flowered badly and a good deal of bamboo seed was collected by Korkus for food. Coppice reproduction is reported to have been generally satisfactory in all Circles.

34. (ii) *Measures for inducing or aiding reproduction.*—Nothing worth noting was done in the Northern Circle, while in the Berar Circle the work done in the Melghat Division, being on an experimental scale only, is referred to under "Experiments." In the Southern Circle the sowing of sal under the protection of *telia* (*Wendlandia exserta*) was continued in the South Raipur Division, but the results are not said to have been very successful, and basket-planting is now being tried. Experiments were in progress in Allapilli to ascertain the best methods of tending teak sowings in blanks, where *Anjan* seed was also sown with teak. Sowings of *Cinnamomum camphora* were made in frost holes in the Bilaspur Division with a view to protecting the young sal. In Nagpur-Wardha observations were in progress as to the mortality of bijasal seedlings and methods to counteract it.

35. *Tending operations in natural crops.*—Cutting-back and other operations for the improvement of growing stock were carried out to the extent shown in the statement below as compared with those in the preceding year.:—

Circle.	Area in acres.		Cost.		Revenue.	
	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
			Rs.	Rs.	Rs.	Rs.
Northern ... ..	50,064	33,097	11,730	14,102	17,865	17,824
Southern ... ..	29,950	20,376	6,559	5,328	1,349	1,155
Berar ... ..	60,664	59,841	14,558	18,018	23,997	15,676
Total .. ..	140,678	113,314	32,847	37,448	43,211	34,655

The area over which these operations were carried out fell from 140,678 in the year 1916-17 to 113,314 acres in the year under report, a decrease of 27,364, nearly two-thirds of which occurred in the Northern Circle and the remainder in the Southern Circle, that in the Berar Circle being a nominal one, *viz.*, 823 acres. The great reduction in the Northern Circle is ascribed to these operations having been restricted owing to the staff being busy with the Military grass supply. The reduction in the Southern Circle was due to the same cause.

Though there was a reduction in the areas worked over by these operations, the expenditure incurred on them rose from Rs. 32,847 in the year 1916-17 to Rs. 37,448 in the year under report. There was a small decrease of Rs. 1,231 in the Southern Circle against an increase of Rs. 2,372 in the Northern Circle and of Rs. 3,460 in the Berar Circle, the net increase for the whole Province being Rs. 4,601. The revenue derived from the material felled in these operations was Rs. 34,655 against Rs. 43,211, a reduction of Rs. 8,556, which occurred mainly in the Berar Circle, the Southern Circle showing a decrease of a few hundred rupees only. The work under this head is of the greatest importance in the interests of the future crops, and the Chief Conservator trusts that with the return of more normal conditions, it will receive full attention in all Circles.

#### ARTIFICIAL REPRODUCTION.

36. I.—*Regular Plantations.*—The total area of these plantations at the beginning of the year was 763 acres. To these were added during the year 747 acres under the several heads: 3 acres of chir pine plantations were excluded, thus the total acreage at the close of the year amounted to 1,507 acres. Of the 747 acres added during the year, 346 acres were sandal, 349 acres tarwad (*Cassia auriculata*), 49 acres bamboos and 3 acres chir pine. The 1,507 acres at the close of the year of the regular plantations were composed of 242 bamboos, 385 teak, 505 sandal, 16 chir pine, 10 sal and 349 tarwad.

II.—*Taungya Plantations.*—These occur in the Berar Circle only. To the 6,411 acres at the beginning of the year 569 acres (389 babul and 180 miscellaneous) were added during the year and 256 acres of babul and 140 acres of mixed forests, all in the Amraoti Division, were excluded, thus the total area under



these plantations at the close of the year amounted to 6,584 acres. In the Yeotmal Division 180 acres were resown with teak seed, but though the germination was good, very few seedlings survived the hot weather.

III.—*Other forms of artificial reproduction.*—In the Berar Circle bamboo nurseries were maintained and in all 59,000 plants were put out. The results obtained are reported to be satisfactory. Sandal seed was dibbled over 230 acres in Buldana and 50 acres in Akola. The Divisional Forest Officer of the latter Division reports that about 32,000 sandal saplings are now fairly well established as a result of the work of the last five years. This figure excludes 28,000 plants of one year's growth. The results achieved in Buldana are said to be less satisfactory.

#### EXPLOITATION—MAJOR PRODUCE.

37. The areas exploited under the various methods of silvicultural treatment during the last two years are compared in the following statement:—

Circle.	Clear fellings. (Acres.)		Selection fellings. (Acres.)		Improvement fellings. (Acres.)		Coppice with standards fellings. (Acres.)		Total. (Acres.)	
	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
1	2	3	4	5	6	7	8	9	10	11
Northern ...	...	...	8,083	5,208	54,557	46,170	5,619	9,580	68,259	60,958
Southern ...	140	244	1,547	40	13,443	23,692	42,118	44,316	57,248	68,292
Berar ...	764	674	...	...	53,558	63,631	14,300	14,783	68,622	79,088
Total ...	904	918	9,630	5,248	121,558	133,493	62,037	68,679	194,129	208,338

The 19,635 acres shown as worked under "Improvement fellings" in the Southern Circle in the last year's report have now been corrected to 13,443 acres. Taking this correction into consideration the total area worked under the several systems of exploitation rose from 194,129 acres in 1916-17 to 208,338 acres in the year under report, an increase of 14,209 acres: Northern Circle—7,301 acres, Southern Circle +11,044 acres and Berar Circle +10,466 acres.

*Clear Fellings.*—These fellings were made only in the Southern and Berar Circles and the area worked over amounted to 918 acres against 904 acres. They consisted of simple coppice fellings in the North Chanda Division of the Southern Circle, and babul bans in the Amraoti, Buldana and Akola Divisions of the Berar Circle.

*Selection Fellings.*—The area worked over under this system amounted to 5,248 acres against 9,630 acres, almost entirely in the Northern Circle, the area worked in the Southern Circle being only 40 acres. In the Northern Circle they were restricted mainly to the Motinala Range of the South Mandla Division and to part of the Jubbulpore-Narsinghpur Division and the area was 5,208 acres against 8,083 acres. The difference in the area in the former Division was due mainly to the delay which occurred in negotiating the sales of the year's coupes on a revised basis of royalties.

In the Southern Circle these fellings took place entirely in the Allapilli Range, South Chanda Division.

*Improvement Fellings.*—The Conservator, Berar Circle, now points out that in the last year's figures for this Circle under these fellings an area of 5,196 acres was omitted and wrongly shown under "Coppice with Standards." Rectifying this mistake in the present statement, the total area worked under this head stood at 133,493 acres against 121,558 acres, an increase of 11,935 acres. In the Northern Circle there was a decrease of 8,387 acres. In the Southern Circle where an increase of 10,249 acres occurred (after accounting for corrections in area) fellings of this nature were carried out in all Divisions except Nagpur-Wardha. In the sal forests of the Balaghat Division advance fellings had to be permitted to meet an emergent demand for sleepers, to which

reason as well as to a better demand and to the sale of coupes previously unworked the increase in the Bilaspur Division was also due. In the Berar Circle an area of 63,631 acres was worked over against 53,558 acres, a rise of 10,073, which would have been still more but for the change of classification referred to above. This increase is said to be due to fellings carried out in accordance with the working plan in the Yeotmal Division. The total area that remained to be exploited was 32,754 acres against 13,287 acres in the previous year and the increase is attributed partly to all available labour being engaged on grass operations and partly to the large area prescribed for felling in the Kinwat Range being only partially worked, as the demand was confined solely to teak timber for export into Hyderabad territory.

*Coppice with Standards.*—68,679 acres was exploited under this system against 62,037 acres in the last year. The increase of 6,642 acres was spread over all the Circles (Northern Circle 3,961 acres, Southern Circle 2,198 acres and Berar Circle 483 acres). The increase in the Northern Circle occurred mainly in the North Mandla Division where certain areas were provisionally opened for fellings. In the Southern Circle there has been a steady increase under this head during the last four years; the figures being 36,982, 38,282, 42,118 and 44,316. The Conservator remarks that there are already indications in the two Raipur Divisions that improvements in the road systems will lead to the more thorough cutting of the crooked growth which is sylviculturally required.

In addition to the above unregulated fellings were carried out in the Northern Circle in all Divisions except Damoh.

Proposals for the entire abolition of the commutation system in the Jubbulpore District were submitted and Government sanction was received after the close of the year.

#### EXPLOITATION—MINOR PRODUCE.

38. The various forest products, excepting grazing, either extracted or exploited from the forests and their values during the past two years are compared in the following statement:—

Forest produce.	Northern Circle.		Southern Circle.		Berar Circle.		Total.		Increase or decrease.
	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Harra	18,310	12,953	26,162	20,019	2,835	3,010	47,307	35,982	- 11,325
Lac	17,684	30,993	6,398	7,886	1,492	4,400	25,574	43,279	+ 17,705
Mohwa and achar.	5,669	6,328	3,271	5,322	1,206	190	10,146	11,840	+ 1,694
Hides and horns	8,428	7,596	3,856	3,722	4,863	4,935	17,147	16,253	- 894
Bamboos	78,977	84,574	96,939	96,566	1,13,433	1,20,801	2,89,349	3,01,941	+ 12,592
Fodder grass	26,072	34,068	9,684	6,651	1,18,822	1,10,539	1,54,578	1,51,258	- 3,320
Thatching grass	..	..	63,031	54,751	209	224	63,290	54,975	- 8,315
Rusa grass	1,424	664	..	..	33,901	11,609	35,325	12,273	- 23,052
Rusa oil	..	..	..	..	330	255	330	255	- 75
Catechu	3,333	5,841	..	..	..	..	3,333	5,841	+ 2,508
Minerals	5,618	2,834	2,820	3,098	10,905	10,570	17,343	16,502	- 841
Miscellaneous	41,317	52,927	17,967	21,000	27,922	26,670	87,206	1,00,597	+ 13,391
Total	2,04,832	2,38,778	2,30,178	2,19,015	3,15,918	2,93,203	7,50,928	7,50,996	+ 68
Difference	+ 33,946		- 11,163		- 22,715				

Though there were variations under the different heads of produce, it will be seen that for the Province as a whole the total value for the year under report was practically identical with that in the preceding year. A rise of Rs. 33,946

occurred in the Northern Circle (from Rs. 2,04,832 to Rs. 2,38,778), but there were decreases of Rs. 11,163 and Rs. 22,715 respectively in the Southern and Berar Circles, the amounts in these Circles being Rs. 2,19,015 against Rs. 2,30,178 and Rs. 2,93,203 and Rs. 3,15,918.

*Northern Circle.*—The products under which the increase mainly occurred were grass, bamboos, lac, catechu and other miscellaneous products. There being decreases under the remaining kinds. The rise in grass amounted to Rs. 7,996 and is chiefly attributed to the large sales of this produce to agriculturists owing to fodder scarcity and extraction on a large scale by contractors for supply to the Military Department. In the Hoshangabad Division a new system of giving a monopoly for the extraction of bamboos from fixed areas to certain contractors was introduced which led to an increase in revenue. In the Mandla Division the rates of royalty were increased and the increase in revenue was further augmented by the supplies made for Military buildings. The decrease in harra occurred entirely in the South Mandla Division, where the figures of the last year included a sum of Rs. 3,532, being the amount due for the current year, but recovered in the preceding year. Shortage of wagons is also assigned as one of the reasons for the decrease. The increase under lac (Rs. 13,309) was contributed to by all Divisions. In other Divisions better prices were obtained for the sale of produce. The increase under catechu is said to be due to increased number of leases and increased rates in the Mandla and Damoh Divisions. The supply of tanstuffs to the Allahabad Tannery caused the rise in the value of other miscellaneous products.

*Southern Circle.*—A decrease of Rs. 14,444 occurred in the revenue from harra in the Balaghat Division, which is ascribed to the shortage of railway wagons and possibly of shipping also, and consequently it was found to be necessary to allow the lessee to defer the payment of two instalments. However, this great decrease was minimized to some extent by an increase of Rs. 8,260 in the South Raipur and North Chanda Divisions, where departmental operations were undertaken for the complete harvesting of the harra crop. The increase under lac was due to better prices offered in the market for this commodity in the Bhandara Division, though there was a small fall in the Bilaspur Division owing to a very poor crop. Though for the Circle as a whole the decrease under "Bamboos" amounted to Rs. 373 only, there occurred an increase of Rs. 4,523 in the Bilaspur Division and of Rs. 5,025 in the North Chanda Division against a fall of Rs. 5,802 in the Bhandara Division. The increase in Bilaspur is attributed to a reduction of the rate, to the opening of more accessible coupes, and the failure of the tur crops, the stalks of which are used in buildings. In Bhandara the difficulty in getting carts and wagons for export caused a reduction. The restrictions imposed by the Military grass operations, which also affected the sales of thatching grass in the Bhandara and Nagpur-Wardha Divisions, caused a reduction in the quantity of fodder grass removed in the Nagpur-Wardha and North Chanda Divisions. In addition in the North Chanda and Bhandara Divisions thatching grass was given free and at reduced rates to villagers who gave assistance in the grass operations. It is reported that the attempts to reduce the rates paid for thatching grass in Raipur have not been more successful than in the preceding year. In this Circle also the supply of tanstuffs and also tendu leaves for country cigarettes, which are becoming an important item, caused the increase under "Miscellaneous." Other variations require no explanation.

*Berar Circle.*—The increase under "Bamboos," Rs. 7,368, occurred mainly in the Melghat Division due to the continued good demand. The fall under "Fodder grass," which amounted to Rs. 8,233, is said to be entirely due to the supply of hay, free of royalty, to the Military Department in the Divisions which undertook these operations, except Nimar. In this Division in spite of the large quantity supplied for the Army there was an increase owing to the people being given timely warning that certain forests would be closed to the public, which enabled them to get their grass from other forests. The reduction in the value of rusa grass occurred in the Melghat Division, which amounted to Rs. 22,292, and was due to part of the revenue for 1917-18 having been recovered and accounted for in the year 1916-17. Negotiations are in progress with the

Essential Oil Company, Cawnpore, with a view to putting the rusa oil industry on a more satisfactory footing, especially as regards improved methods of distillation. The opening of forests for the free removal of edible fruits by the people owing to high prices prevailing for food-grains was responsible for the drop under "Mahua and Achar."

39. *Grazing.*—The following statement compares the total number of animals grazed in Government forests, the value of the grazing, if calculated at full rates, and the actual revenue realized during the past two years:—

Circle.	Year.	Buffaloes.	Cows and bullocks.	Sheep and goats.	Other animals.	Total animals.	Value at full rates.	Revenue actually received.			Total.
								Revenue.	Transit and nomadic.	Surtax.	
							Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1916-17	143,848	920,123	35,319	1,287	1,100,577	7,69,868	3,94,174	31,715	...	4,25,889
	1917-18	148,279	944,700	31,191	1,117	1,125,287	7,95,785	4,00,117	35,219	...	4,35,346
Southern	1916-17	61,146	582,157	79,096	265	722,664	5,50,947	2,25,132	12,218	...	2,37,350
	1917-18	61,355	551,141	71,216	163	683,875	5,27,167	2,10,877	9,686	...	2,20,563
Berar (Nimar and Betul only).	1916-17	40,034	226,642	802	287	267,765	2,78,174	1,37,703	6,296	...	1,43,999
	1917-18	42,042	226,489	316	182	269,029	2,85,394	1,49,410	7,848	...	1,57,258
Total Central Provinces proper.	1916-17	245,028	1,728,922	115,217	1,839	2,091,066	15,98,989	7,57,009	50,229	...	8,07,238
	1917-18	251,676	1,722,330	102,723	1,462	2,078,191	16,08,346	7,60,414	52,753	...	8,13,167
Berar (proper only).	1916-17	132,529	1,018,253	337,337	2,555	1,490,774	7,81,659	5,64,415	12,084	2,174	5,78,673
	1917-18	132,430	964,828	256,876	2,159	1,356,293	7,53,468	5,56,739	4,049	...	5,60,788
Total Central Provinces and Berar.	1916-17	377,557	2,747,175	452,554	4,494	3,581,780	23,80,648	13,21,424	62,313	2,174	13,85,911
	1917-18	384,106	2,687,158	359,599	3,621	3,434,484	23,61,814	13,17,153	56,802	...	13,73,955
Difference	...	+6,549	-50,017	-92,955	-873	-147,296	18,834	-4,271	-5,511	-2,174	-11,956

For the Province as a whole there was a reduction of 147,296 animals, as 3,434,484 animals grazed in Government forests during the year against 3,581,780 in the preceding year. Against an increase of 24,710 animals in the Northern Circle and an increase of 1,264 animals in the Nimar and Betul Divisions of the Berar Circle, decreases of 38,789 animals in the Southern Circle and of 134,481 animals in the Berar Circle occurred. Compared by animals the reduction was common to all kinds of animals (cows, etc., 60,017, sheep and goats 92,955, other animals 873) except buffaloes which showed an increase of 6,549. The increase in the Northern Circle occurred mainly under buffaloes and cows. The Divisions which contributed towards this increase were Saugor (13,678), Chhindwara (6,717), Seoni (5,648), Hoshangabad (12,387) and Jubbulpore (1,092). In the first and last named Divisions it is said to be due to better supervision and check, and also scarcity of fodder in the former. The admission of the full number of cattle at commercial rates and the permission given to patwaris to issue certificates after the 1st July caused the increase in the Chhindwara Division. In the Seoni Division it is attributed to better supervision over subordinates and patwaris and check over cattle entering the forests, while the increase in the Hoshangabad Division is said to be due to the failure of the jari crop and surprise check by the Divisional Forest Officer. Decreases occurred, however, in the two Mandla and Damoh Divisions. In the former it is reported that the malguzars in order to avoid paying grazing dues took their cattle to raiyatwari areas, while fewer cattle migrated to the Damoh Division from the adjoining Saugor and Jubbulpore Divisions to avoid commercial rates. The Conservator observes that the reason given for the Mandla Division is probably the real one and steps will be taken to induce the Revenue Authorities to allow Forest subordinates below the rank of a Range Officer to check the cattle grazing in such areas.

In the Southern Circle, while the number of buffaloes grazed in both the years was identical, the number of the other kinds of animals declined. Nearly half of the reduction occurred in the North Chanda Division, which is attributed to mortality among cattle. The other Divisions which also shared this decrease were Balaghat, Bhandara and Nagpur-Wardha. While the restrictions due to the working plan are said to have caused the reduction in the first named Division, that in the second Division is ascribed to the abundance of grazing in malguzari lands. In the Nagpur-Wardha Division there was slight decrease in the number of animals grazed in all ranges except the Pench Range.

The number of animals grazed in the Nimar and Betul Divisions remained nearly the same as last year, 269,929 against 267,765, an increase of 1,264 animals. In Berar proper the Melghat and Buldana Divisions showed slight increases which are said to be due to the scarcity of fodder. The other Divisions which showed decreases were Amraoti 14,336, Yeotmal 111,254 and Akola 13,604, and they occurred mainly under cows, etc., and sheep and goats. The marked decrease under sheep and goats is attributed partly to the transfer of C class areas to A class in the Yeotmal Division and partly to the nomadic herds from outside the Berar being excluded from the C class forests. In the A class forests the grazing of these animals is prohibited. The increase in the number of buffaloes in the Akola Division was due to their being permitted to graze on ordinary passes in some of the closed exploited coupes and *rumnas*. In the Yeotmal Division the grazing settlement prescribed by the working plan was introduced into the three remaining taluks by which 256 square miles of C class forests was transferred to the A class and 22 square miles was disforested.

The total number of animals grazed at the several rates of grazing during the two years were as follows:—

	1916-17.	1917-18.	Plus or minus.
At full rates	1,581,864	1,488,643	-93,221
At privileged rates, including ordinary rates	1,732,682	1,689,900	-42,782
Free	267,234	255,941	-11,293
Total	3,581,780	3,434,484	-147,296

It will be seen that more than half the total number of animals grazed in the forests were allowed grazing either at privileged rates or free.

40. The actual revenue derived from grazing amounted to Rs. 13,17,153 against Rs. 13,21,424 in the preceding year, a decrease of Rs. 4,271. Had all these animals been charged the grazing fees at full rates, the revenue would have been Rs. 23,61,814 against Rs. 23,80,648 in 1916-17, a reduction of Rs. 18,834. It may be noted here that though the number of animals grazed in the Nimar and Betul Divisions were practically identical in both the years, there being an increase of 1,264 animals only, the revenue is shown to have risen by Rs. 11,707. This, the Conservator explains, was due to more animals having grazed at full rates than in the preceding year. Including a sum of Rs. 1,507, being the dues recovered for grazing of buffaloes in raiyatwari waste in the Melghat Division according to the prescriptions of the working plan, a total revenue of Rs. 56,802 against Rs. 62,313 was derived as transit fees on nomadic cattle, thus the total revenue of the year amounted to Rs. 13,73,955 against Rs. 13,85,911 in the preceding year, a fall of Rs. 11,956. Thus it will be seen from the above figures that the total value of concessions granted to the people in respect of grazing their cattle in Government forests was Rs. 10,44,661 against Rs. 10,59,224 in the preceding year.

**AGENCY OF EXPLOITATION—DEPARTMENTAL AGENCY.**

41. A comparison of the outturn of major forest produce in cubical content and of the value of minor produce in rupees extracted from Government forests during the past two years is made in the following statement:—

Circle.	Year.	Major produce.			Minor produce (in value).			
		Timber (in thousands).	Fuel (in thousands).	Total (in thousands).	Bamboos.	Grass.	Other.	Total.
		Cft.	Cft.	Cft.	Rs.	Rs.	Rs.	Rs.
Northern ..	1916-17 ...	314	221	535	1,370	292	2,839	4,501
	1917-18 ...	409	493	902	4,084	723	12,684	17,491
Southern .	1916-17. ...	276	263	539	896	4,199	2,018	7,113
	1917-18 ...	328	116	444	1,281	6,646	13,991	21,918
Berar ..	1916-17 ...	170	415	585	1,884	1,793	2,238	5,915
	1917-18 ...	203	207	410	857	2,000	1,826	4,683
Total ...	1916-17 ...	760	899	1,659	4,150	6,264	7,095	17,509
	1917-18 ...	940	816	1,756	6,222	9,369	28,501	44,092
Difference ...	...	+180	-83	+97	+2,072	+3,085	+21,406	+26,563

*Major Produce.*—The total outturn of major produce showed an increase of only 97,000 cubic feet for the Province as a whole, the outturn for the year under report being 1,756,000 cubic feet against 1,659,000 cubic feet in the preceding year. The whole of the rise occurred under "Timber" (180,000), there being a reduction of 83,000 under "Fuel." The increase under "Timber" was shared by all Circles, while under "Fuel" there was an increase of 272,000 cubic feet in the Northern Circle, which was more than compensated by the decreases in the Southern and Berar Circles, *vis.*, 147,000 and 208,000 respectively. The increase under "Timber" in the Northern Circle was chiefly due to the operations undertaken for the supply to the Military Department of teak ballies from the Jubbulpore-Narsinghpur Division. Departmental operations in the Allapilli Range of the South Chanda Division and High Forest Series II of the South Raipur Division caused the better results in the Southern Circle. A good deal of useful departmental work is being done in the South Chanda Division. Logs and scantlings aggregating 11,926 cubic feet of haldu, bijasal, karam, ain, anjan and other species were extracted for sale at Ballarshah. 1,833 cubic feet of bija, haldu and karam were supplied to the Deputy Controller of Timber Supplies, Bombay. In addition to the above, departmental operations for the supply of teak to the Public Works Department were started, which are being carried on in the current year on an extended scale. The results reflect credit on Mr. J. Carr, Divisional Forrester Officer. Attempts are also being made to meet demands for rollers for bleaching machines in the Empress Mills, Nagpur. Haldu was supplied for use in the College of Science, Nagpur.

*Minor Produce.*—The supply of bamboos, grass and tan-stuffs to the Military Department as well as to the tanneries at Allahabad was responsible for the increase in the value of minor produce which occurred in the Northern Circle. The increase under "Grass" in the Southern Circle was due to the departmental operations for sale to local purchasers of the North and South Raipur Divisions, while the increase under other minor produce is attributed mainly to the departmental collection of harra in the South Raipur Division and also to the supply of aonla and dhaura leaves to tanneries from the North Raipur and Bilaspur Divisions. In the Berar Circle the decrease in the value of bamboos occurred mainly in the Nimar Division, the last year's figures for this Division having been abnormal.

## AGENCY OF EXPLOITATION.—PURCHASERS.

42. The extent to which forest produce—major produce in cubical content in thousands and the minor produce in values in rupees—was extracted from the Government forests by purchasers and consumers during the past two years is shown in the following statement :—

Circle.	Year.	Major Produce.			Minor Produce (in value).				
		Timber (in thou- sands).	Fuel (in thou- sands).	Total (in thou- sands).	Bam- boos.	Grass.	Grazing.	Other.	Total.
		Cft.	Cft.	Cft.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1916-17	2,135	4,706	6,841	75,587	18,380	4,25,889	93,429	6,13,285
	1917-18	2,167	4,677	6,844	78,438	22,820	4,35,346	1,02,065	6,38,669
Southern	1916-17	4,003	15,111	19,114	94,325	65,295	2,37,350	55,279	4,52,249
	1917-18	4,608	15,219	19,827	93,167	49,700	2,20,563	43,445	4,06,875
Berar	1916-17	905	2,430	3,335	1,06,287	1,14,163	7,22,672	74,131	10,17,253
	1917-18	1,131	2,241	3,372	1,14,895	1,05,905	7,18,046	53,342	9,92,188
Total	1916-17	7,043	22,247	29,290	2,76,199	1,97,838	*13,85,911	2,22,839	20,82,787
	1917-18	7,906	22,137	30,043	2,86,500	1,78,425	13,73,955	1,98,852	20,37,732
Difference		+ 863	- 110	+ 753	+ 10,301	- 19,413	- 11,956	- 23,987	- 45,055

\*These figures include transit fees.

While the outturn of major produce for the Province by purchasers or consumers as a whole rose from 29,290,000 cubic feet in 1916-17 to 30,043,000 cubic feet in the year under report, an increase of 753,000 cubic feet, the value of minor produce showed a decrease of Rs. 45,055 from Rs. 20,82,787 to Rs. 20,37,732.

*Major Produce.*—The outturn of both timber and fuel in the Northern Circle during the year was almost the same as that in the preceding year. There were variations from Division to Division. The Divisions which mostly contributed towards the increase were Jubbulpore-Narsinghpur, Damoh, Seoni and Chhindwara, there being reductions in the remaining Divisions. In the Damoh Division the introduction of the system of sale of standing coupes again resulted in larger quantities of forest produce being removed from the forests. The exploitation of large areas during the year and the inclusion of produce removed from raiyatwari areas caused the increase in the Seoni Division, while that in the Chhindwara Division is attributed to better demand. The fall in the North Mandla Division is said to be due to want of sufficient labour owing to grass operations and removal of less produce from raiyatwari areas, while the non-working of the Banjar and Khannat forests accounts for the drop in the South Mandla Division. In the Hoshangabad Division, though there has been a fall in timber outturn, a rise occurs in fuel, being the result of facilities offered to coupe lessees and to the supply of fuel to ginning factories. In the Southern Circle there was an increase both under timber (605) and fuel (108). The increase in timber mainly occurred in South Raipur and Bhandara, and the Conservator observes that the former is a satisfactory indication that the sal forests are being more intensively worked. In the Balaghat Division the Bengal Timber Trading Company continued their operations, the outturn being some 120,000 cubic feet of sleepers. In the Bilaspur Division sleepers were supplied to the Indian Munitions Board through contractors, and for this purpose two arrear coupes and one advance coupe were worked. In all 4,377 sleepers were sawn, 3,700 carried to Railway stations, but only 2,295 were finally passed. The Conservator remarks that this high percentage of rejection points to the fact that the Central Provinces sal is not suited for conversion into broad gauge sleepers, the trees being frequently malformed, unsound and of relatively small

dimensions. In the Nagpur-Wardha Division the demand for major produce still continues to be small. The reason for this is not clear and the Conservator should carefully consider what steps can be taken to stimulate the demand. In the Berar Circle against a fall of 189 thousand cubic feet under fuel there occurred an increase of 226,000 cubic feet under timber. All Divisions except Betul showed a decline in the outturn of timber, which was due partly to want of demand and partly to hay operations. In Yeotmal the decrease is attributed to the failure of crops and high prices of food-grains, while in Akola it is said to be due to the inferior quality of material in the year's coupes. The increase in the Betul Division was due to unworked balances of the last year's coupes being worked out by contractors during the year, though much of the timber could not be exported owing to restrictions on wagon supply.

*Minor Produce.*—The decrease of Rs. 45,055 under this head was common to all kinds of produce except bamboos, which showed an increase of Rs. 10,301. Compared by Circles, there was a fall in the Southern and Berar Circles and a rise in the Northern Circle. These variations have been explained under a preceding section "Exploitation—Minor Produce."

The Conservator, Berar Circle, reports that the Divisional Forest Officer, Betul, succeeded in inducing forest contractors to take up the export of tan-stuffs, and about 1,106 tons of kahu and aonla bark were supplied to Government factories. Of this about 142 tons came from Government forests.

#### RIGHTS, PRIVILEGES AND FREE GRANTS.

43. In the following statement are compared the quantities of forest produce and their value removed from the forests by right-holders and free-grantees as well as the estimated loss sustained in the grants made at privileged or reduced rates during the past two years:—



Circle.	Agency.	Major Produce.											
		Timber.				Fuel.				Total.			
		1916-17.		1917-18.		1916-17.		1917-18.		1916-17.		1917-18.	
		Cft. in thousands.	Value. Rs.	Cft. in thousands.	Value. Rs.	Cft. in thousands.	Value. Rs.	Cft. in thousands.	Value. Rs.	Cft. in thousands.	Value. Rs.	Cft. in thousands.	Value. Rs.
Northern	Right-holders	...	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...	...
		75	4,076	47	3,085	445	6,068	504	7,257	520	10,144	551	10,342
Southern	Right-holders	...	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...	...
		8	848	6	582	4,436	18,225	4,500	23,268	4,444	19,073	4,506	23,850
		67	4,333	88	5,791	337	7,228	451	10,027	404	11,561	539	15,318
Berar	Right-holders	...	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...	...
		66	2,184	66	2,212	722	23,224	682	22,410	788	25,408	748	24,622
		...	...	...	...	...	...	...	...	...	...	...	...
		54	5,800	34	3,760	818	12,106	642	9,148	872	17,906	676	12,908
Total	Right-holders	...	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...	...
		66	2,184	66	2,212	722	23,224	682	22,410	788	25,408	748	24,622
		8	848	6	582	4,686	18,839	4,698	24,283	4,694	19,687	4,704	24,865
		196	14,209	169	12,636	1,600	25,402	1,597	26,433	1,795	39,611	1,765	39,068

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Circle.	Agency.	Minor Produce.										
		Bamboos.		Grass.		Grazing.		Other minor produce.		Total.		
		1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Northern	Right-holders	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...
		4,188	...	2,285	...	3,65,789	3,80,701	17,402	...	3,89,664	3,80,701	
		2,020	2,052	7,400	10,525	9,905	14,957	3,515	5,387	22,840	32,921	
Southern	Right-holders	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...
		4,271	4,374	4,087	6,348	3,17,660	3,07,872	875	1,238	3,26,902	3,19,832	
		1,718	2,118	3,271	5,056	8,146	8,418	3,177	3,611	16,312	19,203	
Berar	Right-holders	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...
		3,931	3,931	953	953	375	375	1,085	3,485	6,344	8,744	
		2,777	3,705	98,920	93,228	2,29,359	2,13,296	...	2,524	3,31,056	3,12,753	
		1,331	1,118	2,122	1,681	1,27,981	1,12,042	6,000	3,144	1,37,434	1,24,985	
Total	Right-holders	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	...	...	...	...	...
	Free-grantees	...	...	...	...	...	...	...	...	...	...	...
		3,931	3,931	953	953	375	375	1,085	3,485	6,344	8,744	
		11,235	8,079	1,05,292	99,576	9,12,817	9,01,869	18,277	3,762	10,47,622	10,13,286	
		5,069	5,288	12,793	17,262	1,46,032	1,42,417	12,692	12,142	1,76,586	1,77,109	

It will be noticed that the figures under concessionaires given in this statement for the year 1916-17 and those entered in the last year's report under this section differ from each other. The Conservators, Northern and Berar Circles, have now reported that the figures given last year were incorrect.

*Right-holders.*—These are entirely confined to the Berar Circle. There was a decrease of Rs. 786 in the value of major produce removed by these right-holders while the value of minor produce increased from Rs. 6,344 to Rs. 8,744, the rise falling wholly under miscellaneous produce.

*Free-grantees.*—For the Province as a whole the value of free grants made during the year was identical with the last year's figures.

These free grants were made as usual to the forest villagers for home consumption, to people whose houses were destroyed by fire, to forest contractors for erection of huts and sheds for their workmen, to the Military Grass Farm at Saugor, to the Public Works Department for road works and to the general public on account of scarcity. In addition, thatching grass free of royalty in the North Chanda and at half rates in the Bhandara Division was granted to villagers and agriculturists in recognition of the assistance rendered by them in Military grass works.

*Concessionaires.*—The difference between the value of forest produce at its full rates and that actually recovered from the grantees is shown under this head.

44. *Outturn and sources of forest produce.*—The total outturn of major forest produce and the value of that of the minor produce extracted from the forest by all agencies during the year under review are compared with those in the previous year in the subjoined statement:—

Circle.	Timber (in thousands).		Fuel (in thousands).		Bamboos. Value.		Grass. Value.		Grazing. Value.		Other minor produce. Value.	
	1916-17	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
	Cft.	Cft.	Cft.	Cft.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern ...	2,524	2,623	5,372	5,674	78,977	84,574	26,072	34,068	4,35,794	4,50,303	99,783	1,20,156
Southern ...	4,346	5,024	15,711	15,786	96,939	96,566	72,765	61,402	2,45,496	2,28,981	60,474	61,047
Berar ...	1,195	1,434	4,385	3,772	1,13,433	1,20,801	1,19,031	1,10,761	8,51,028	8,37,463	83,454	61,573
Total ...	8,065	9,081	25,468	25,232	2,89,349	3,01,941	2,17,868	2,06,233	15,32,318	15,16,747	2,43,711	2,42,756

These variations have been explained under the respective heads.

#### FINANCIAL RESULTS.

45. The revenue, expenditure and surplus of the past two years are compared in the following statement with the averages of the five years ending in 1915-16:—

Circle.	Year.	Revenue.	Expenditure.			Surplus.	Percentage of net revenue to gross revenue.
			A.	B.	Total.		
		Rs.	Rs.	Rs.	Rs.	Rs.	
Northern	Average 1911-12 to 1915-16.	9,53,413	2,51,636	3,67,246	6,18,882	3,34,531	35
	1916-17	10,18,501	1,05,001	3,77,961	5,72,062	4,45,539	44
	1917-18	11,89,835	2,18,535	3,95,121	6,13,656	5,76,179	48
Southern	Average 1911-12 to 1915-16.	9,27,209	2,45,279	3,84,029	6,29,308	2,97,901	31
	1916-17	9,41,447	1,79,618	4,12,367	5,91,985	3,49,462	37
	1917-18	9,38,338	2,21,391	4,30,451	6,51,842	2,86,496	30
Berar	Average 1911-12 to 1915-16.	12,29,782	2,31,519	3,58,942	5,90,451	6,39,321	52
	1916-17	14,50,647	2,01,017	3,84,754	5,85,771	8,64,876	...
	1917-18	14,22,336	2,05,150	4,00,426	6,05,576	8,16,760	57
General Direction.	Average 1911-12 to 1915-16.	...	866	41,193	42,059	-42,059	...
	1916-17	...	881	39,083	39,964	-39,964	...
	1917-18	...	1,097	40,302	41,399	-41,399	...
Total	Average 1911-12 to 1915-16.	31,10,404	7,29,300	11,51,410	18,80,710	12,29,694	40
	1916-17	31,10,595	5,76,517	12,14,165	17,90,682	16,19,913	47
	1917-18	35,50,509	6,46,173	12,66,300	19,12,473	16,38,036	46
	Difference between 1916-17 and 1917-18.	+ 1,39,914	+ 69,656	+ 52,135	+ 1,21,791	+ 18,173	...

46. The total revenue of the year amounted to Rs. 35,50,509 against Rs. 34,10,595 of the preceding year, an increase of Rs. 1,39,914. There were trifling decreases in the Southern and Berar Circles (Rs. 3,109 and Rs. 28,311), but an increase of Rs. 1,71,334 occurred in the Northern Circle (Rs. 11,89,835 against Rs. 10,18,501). This increase was shared by all Divisions, especially Seoni, Jubbulpore—Narsinghpur, Hoshangabad and Damoh. The rise is attributed principally to the supply of timber for Military Works, higher prices obtained for the sales of standing coupes, larger demands for bamboos and increased grazing revenue, and to the supply of tan-stuffs. The introduction of a new working scheme in the Seoni Division whereby the local and export demands were more suitably met led to satisfactory results. In the Southern Circle, but for the non-payment of lease money by Messrs. Bhickraj Sagarmal Bagla due not only under their original agreement but also under a supplementary agreement, the non-payment at the close of the year of Rs. 17,000 by the Bengal Timber Trading Company for sal sleepers extracted, and the postponement of the payment of instalments on the harra lease (Balaghat Division), the revenue of the Southern Circle, the Conservator remarks, would have been considerably larger. In the Berar Circle the Melghat, Akola, Nimar and Betul Divisions gave better results than last year: there were, however, decreases in the remaining Divisions.

The sources from which the forest revenue was derived during the past two years are compared in the following two statements:—

	1916-17.	1917-18.	Increase or decrease.
Timber and other produce removed by Government Agency.	Rs. 89,051	Rs. 1,31,313	Rs. +42,262
Timber and other produce removed by purchasers, etc.:—			
Timber ... ..	7,58,869	8,69,037	+1,10,168
Firewood and charcoal ... ..	2,69,446	3,14,880	+45,434
Bamboos ... ..	2,75,281	2,87,784	+12,503
Grazing and fodder grass ... ..	15,24,962	15,09,030	-15,932
Other minor produce ... ..	2,64,643	2,36,591	-28,052
Miscellaneous ... ..	2,28,343	2,01,874	-26,469
Total ... ..	34,10,595	35,50,509	+1,39,914

Circle.	Timber and fuel.		Bamboos.		Grazing and grass.	
	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
Northern ... ..	Rs. 3,44,740	Rs. 4,92,518	Rs. 76,501	Rs. 84,021	Rs. 4,44,269	Rs. 4,60,372
Southern ... ..	4,12,868	4,63,472	93,282	92,050	2,43,544	2,24,256
Berar ... ..	3,45,316	3,35,726	1,08,335	1,15,677	8,38,942	8,24,402
Total ... ..	11,02,924	12,91,716	2,78,118	2,91,748	15,26,755	15,09,030
Difference ... ..	+1,88,792		+13,630		-17,725	

Circle.	Other minor produce.		Miscellaneous.		Total.	
	1916-17.	1917-18.	1916-17.	1917-18.	1916-17.	1917-18.
Northern ... ..	Rs. 96,564	Rs. 95,504	Rs. 56,427	Rs. 57,420	Rs. 10,18,501	Rs. 11,89,835
Southern ... ..	1,15,033	96,586	76,720	61,974	9,41,447	9,38,338
Berar ... ..	62,858	64,051	95,196	82,480	14,50,647	14,22,336
Total ... ..	2,74,455	2,56,141	2,28,343	2,01,874	34,10,595	35,50,509
Difference ... ..	-18,314		-26,469		+1,39,914	

Out of the total revenue of Rs. 35,50,509, Rs. 12,91,716 or 38 per cent was from major produce, while Rs. 20,56,919 or 56 per cent was from minor produce (bamboos, Rs. 2,91,748 or 8 per cent, grazing and grass, Rs. 15,09,030 or 41 per cent, and other minor produce, Rs. 2,56,141 or 7 per cent), Rs. 2,01,874 or 6 per cent being from miscellaneous sources. There was an increased revenue of Rs. 1,88,792 and Rs. 13,630 from major produce and bamboos. The former was shared by the Northern and Southern Circles, there being a fall in the Berar Circle, and the latter by the Northern and Berar Circles, there being a small decrease in the Southern Circle. Under other sources there were decreases. That under grass and grazing, which amounted to Rs. 17,725, occurred mainly in the Southern and Berar Circles, the Northern Circle showing an increase. The reduction under other minor produce, Rs. 18,314, was shared by the Northern and Southern Circles, and there was a rise in the Berar Circle. The fall in revenue from miscellaneous sources, amounting to Rs. 26,469, occurred in the Southern and Berar Circles, there being an increase of a thousand rupees in the Northern Circle. These variations have been explained elsewhere.

47. *Expenditure.*—The total expenditure of the year was Rs. 19,12,473, which was in excess of that in 1916-17 by Rs. 1,21,791. The expenditure under "A.—Conservancy and Works" amounted to Rs. 6,46,173 against Rs. 5,76,517, an increase of Rs. 69,656, which was common to all Circles, especially the Northern and Southern Circles. The increase in the Northern Circle was due chiefly to expenditure on departmental timber and other operations for military works, more buildings and other works undertaken, more extensive cutting back operations and increased commission to license-vendors. The rise in the Southern Circle occurred mainly in the South Chanda and South Raipur Divisions. In the former, departmental operations had to be undertaken to supply timber to the Public Works Department, and the collection of thatching grass for supply to villagers and the collection of harra took place in the latter Division. The expenditure under "B.—Establishment" rose from Rs. 12,14,165 in 1916-17 to Rs. 12,66,300, a rise of Rs. 52,135, which was common to all Circles, and was due to the incremental promotions among Gazetted Officers, promotion of Range Clerks and the promotion of some Divisional Clerks, grant of grain compensation allowance and increased travelling allowance necessitated by grass operations.

48. *Surplus.*—After accounting for a deficit of Rs. 41,339, being the expenditure of the General Direction Division, the net revenue for the Province as a whole exceeds that of the preceding year by Rs. 18,123, *viz.*, Rs. 16,38,036, against Rs. 16,19,913. In the Southern and Berar Circles decreases of Rs. 62,966 and of Rs. 48,116 took place, but these decreases were more than compensated by an increase of Rs. 1,30,640 in the Northern Circle. As, however, there were increases both under Revenue and Expenditure the percentage of net revenue to gross revenue fell from 47 in the year 1916-17 to 46 in the year under report. Apart from the deficit in the General Direction Division, this percentage in the Southern and Berar Circles decreased by 7 and 3, from 37 to 30 and from 60 to 57, respectively, that in the Northern Circle increasing by 4, from 44 to 48. The progress that has been made by the Department during the past six years in respect of gross and net revenue is exhibited below:—

Year.	Revenue.	Surplus.	Percentage.
	Rs.	Rs.	
1912-13	31,21,888	11,94,948	38
1913-14	32,69,894	12,62,011	39
1914-15	32,73,539	13,92,612	43
1915-16	32,20,755	15,25,729	47
1916-17	34,10,595	16,19,913	47
1917-18	35,50,509	16,38,036	46

The above statement shows that on the whole the revenue and the surplus have been steadily improving from year to year.

49 The following statement shows the percentages of revenue under major heads to gross revenue as well as of the expenditure incurred on various works

of improvement and organization and on establishment to gross revenue :—

	Northern.	Southern.	Berar.	Province.
Total expenditure to gross revenue.	52	70	43	54
Expenditure A to gross revenue...	18	24	15	18
Do. B do. ...	34	46	28	36
Surplus to gross revenue ...	48	30	57	46
Percentage to gross revenue of —				
(1) Major produce (timber and fuel).	41	49	24	38
(2) Bamboos ...	7	10	8	8
(3) Grazing and grass ...	39	24	58	41
(4) Other minor produce ...	8	10	4	7
(5) Miscellaneous ...	5	7	6	6
Percentage to gross revenue of expenditure on—				
(1) Roads and bridges (A-VII-a).	3	4	2	3
(2) Buildings (A-VII-b)	3	2	2	2
(3) Tanks, wells, etc., (A-VII-c).	5	1	0	2
(4) Fire protection (A-VIII-f).	2	4	1	2
(5) Other works, cutting back operations (A-VIII-g).	1	1	1	1
(6) Pay of Establishment	26	36	22	29
(a) Conservators ...	2	2	1	2
(b) Superior Officers ...	6	12	6	8
(c) Subordinate Establishment.	14	16	11	14
(d) Clerical Establishment.	4	6	4	5

NOTE.—These figures are exclusive of expenditure on the General Direction Division.

50. The outstandings on account of revenue at the beginning and close of the year were as follows :—

Circle.	Beginning.	Close.
	Rs.	Rs.
Northern ...	47,399	55,164
Southern ...	3,63,597	3,65,189
Berar ...	38,561	43,762
Total ...	4,49,557	4,64,115

The firm of Messrs. Bhickraj Sagarmal Bagla, lessees of the Allapilli forests in the South Chanda Division, again fell in arrears, and was responsible for as big an amount as Rs. 3,23,254 out of the total outstanding in the Southern Circle. However, the outstanding is a nominal one, as the equivalent produce has not been removed. The increase in the Berar Circle is said to be due to the same reasons as reported last year.

51. The outstandings due by contractors and disbursers to the Department amounted to Rs. 1,31,947 against Rs. 1,00,933. Northern Circle, Rs. 20,143 against Rs. 19,983, Southern Circle, Rs. 27,055 against Rs. 22,969 and Berar Circle, Rs. 84,749 against Rs. 57,981.

52. The estimated value of the live and dead stock stood at Rs. 8,33,993 at the close of the year against Rs. 7,89,162 at the beginning. The Conservator, Northern Circle, now points out that from the last year's figures Rs. 93,175 were omitted and should be added. By Circles they were therefore—

Circle.	Year 1916-17.	Year 1917-18.
	Rs.	Rs.
Northern ...	2,44,016	2,70,568
Southern ...	2,92,604	2,90,506
Berar ...	2,52,542	2,72,919

## RESEARCH AND EXPERIMENT.

53. The amount of work in this direction was necessarily limited, but some progress was made. With the object of ascertaining the effect of season on coppice reproduction the teak sample plot in the Jubbulpore-Narsinghpur Division was maintained.

The experiments in progress in the Bhandara Division to eradicate *ironi* creeper were continued, and experiments with a similar object were made in the South Chanda and South Raipur Divisions. Seasoning experiments of various species in South Chanda were concluded by the Forest Economist. Tests as to the mechanical strength of the Allapilli teak indicated that it differed but little from the Burma teak, the latter having a slight advantage in transverse strength and the former in shearing and compression strains. Chanda teak is said to work to a smoother finish and presents a more ornamental appearance for furniture and panel work. The experiments with bamboo culture in the South Raipur Division were in progress.

The existing sample plots in the Berar Circle were maintained, and three new plots were laid out in the Akola Division, as suggested in the working plan. The salai wood tested by the Great Indian Peninsula Railway has proved unsuitable for wagon floors. Ten out of 293 *Terminalia tomentosa* broad gauge sleepers laid on the Betul line had to be removed, the balance being in good order. Experiments in connection with the rusa oil distillation were continued in the Melghat Division. The results, which confirmed those of the previous years, were communicated to the Forest Economist. *Nagbel* creepers were uprooted in the Melghat Division with satisfactory results, as burning and cutting have proved ineffective. An experiment to ascertain the effect of fire in dealing with *Lantana* was carried out. A plot of 80 acres was cut over and burnt in the hot weather of 1917. Any surviving plants were grubbed up in the following rains. It is reported the fire was not strong enough to destroy the seed which must have lain dormant in the soil, and a dense crop of seedlings sprang up. The experiment of nursing natural seedlings on the system adopted in the Kanara District of the Bombay Presidency, which was undertaken last year, has not proved as successful as in that Presidency. The percentage of surviving seedlings was small, more than half the seedlings that lived through their first hot weather died off in the second year. 3,600 freshly germinated seedlings were pegged in July 1917. Half of these were weeded and earthed up and half were left unweeded. The percentage surviving in July 1918 were 24 for weeded seedlings and 8.6 for unweeded ones. The former figure compares very badly with the results obtained in the Bombay Presidency, but the Conservator observes that a similar degree of success cannot be expected in the drier climate of Berar. It is reported that a good many fresh teak seedlings appeared in the  $9\frac{1}{2}$  acre plots clear felled in Gugamal last year. The growth of some of the two year old saplings in these plots is said to be phenomenal; some were over seven feet high. Three plots failed and in the remaining six plots over 1,100 seedlings were found to have established themselves. Four small plots where teak was either scarce or absent were clear felled and planted with freshly germinated teak seedlings. 2,501 plants were put out and 2,089 were alive at the close of the year. A large number of haldu seedlings have come up naturally in these plots and appear likely to become established. A small plot in the poor mixed forests was sown with *Acacia ferruginea* in 1915 and 1916. The seedlings are reported to have come up well and casualties to have been few. This species seems to grow faster than khair and should be very suitable for growing as a fuel crop in combined cultivation on soil too poor to grow babul or teak. All these experiments were carried out in the Melghat Division. An attempt to grow fruit-bearing trees in mixed forest is being carried out in the Amraoti Division. Forty pits to the acre  $3' \times 3' \times 3'$  have been dug in some of the mixed forest areas given out for combined cultivation; it is intended to plant out mahua in these pits.

Several specimens of timber and a variety of seeds were supplied to the Forest Botanist and others.

## ADMINISTRATION.

54. The writer held the post of the Chief Conservator of Forests throughout the year. There was no change in the Southern Circle of which Mr. A. V. Monto continued in charge. In the Northern Circle Mr. H. H. Forteach,

consequent on an unfortunate riding accident, had to proceed on 8½ months combined leave with effect from the 1st March 1918; Mr. C. F. Bell, Deputy Conservator of Forests, Jubbulpore-Narsinghpur Division, was placed in current duties and was relieved by Mr. A. St. V. Beechey on the 14th March 1918, who remained in charge till the end of the year. Mr. Trafford, Conservator of Forests, continued in the charge of the Berar Circle till the 2nd April 1918 with the exception of a period of one month and 28 days from the 5th August 1918, when Mr. S. L. Kenny officiated. He was transferred to the Province of Bihar and Orissa with effect from the 3rd April 1918 and was succeeded by Mr. S. L. Kenny, who held the charge for the remainder of the year. There were several changes among Divisional Officers as well as in attached officers. Mr. C. M. McCrie, Deputy Conservator of Forests, had to proceed on long leave due to ill-health. On his return from leave he was transferred to the United Provinces to officiate as Conservator. Rai Bahadur Shiam Sunder Lal, Extra-Assistant Conservator of Forests, continued on deputation to the Indore State throughout the year. Mr. F. J. Langhorne was, on return from leave, posted to the charge of the Buldana Division, but had to be shortly removed from there to take up the duties of a Special Sleeper Officer under the Commissioner of the Chhattisgarh Division, where operations were undertaken to supply the Indian Munitions Board from the Chhattisgarh Feudatory States and Zamindaris. He remained there till the close of the year. Similarly Mr. Laik Singh, Extra-Assistant Conservator of Forests, was also deputed on these Sleeper Operations as Assistant to Mr. Langhorne. Mr. C. A. Von. B. Malcolm, Deputy Conservator of Forests, was near the close of the year deputed as Deputy Controller of Timber Supplies, Bombay. The services of Mr. H. S. George, Assistant Conservator of Forests, and Mr. D. C. McDonald, Extra-Assistant Conservator of Forests, were placed at the disposal of the Government of India, Army Department, with effect from the 8th August 1917 and 28th March 1918, respectively. Messrs. C. I. English and G. S. Trivedi, who were at the Forest College, Dehra Dun, undergoing the Provincial Service Course, passed the final examinations held in March 1918 and were appointed as Probationary Extra-Assistant Conservators of Forests. No candidates for this course were deputed during the year. No officer of the Imperial Service joined these Provinces from England nor did any retire during the year. Mr. Pandurang Narayan, Extra-Assistant Conservator of Forests, was granted a further extension of service for one year. The Chief Conservator of Forests regrets very much to have to record the death of Mr. A. Hunt, Extra-Deputy Conservator of Forests, who died from the effects of injuries caused by a wounded tiger while he was attempting to save the life of his shikari. The staff generally had to devote a great deal of their time to meet the various demands for Military supplies.

The Southern Circle supplied about 40,000 broad gauge sleepers from the Balaghat and Bilaspur Divisions to the Indian Munitions Board, 1,665 maunds of tan-stuffs were sent to Calcutta, and myrabolans were collected departmentally in several Divisions. In the Northern Circle a large number of teak ballies were supplied to the Military Department in addition to supply of tan-stuffs for the various tanneries. The year has been a strenuous one for all Divisional Forest Officers who have had to cope with much extra work and the success attained is largely due to their efforts. In order to arrange for the supply of broad gauge sleepers from the Chhattisgarh Feudatory States and Zamindaris a staff of 2 Extra-Assistant Conservators, 3 Rangers and 2 Deputy Rangers and 1 Head Clerk were deputed from the already depleted staff. A satisfactory outturn of nearly 400,000 sleepers was obtained of which 211,706 were delivered during the year. In some cases two Divisions had had to be held by one officer owing to the shortage of officers. The services rendered by Mr. Dunbar-Brander in connection with the supply of grass for the Army were rewarded by the O.B.E., while Rao Bahadur Shrinivasalu Nayadu and Mr. Narsinghrao received the M.B.E. All these officers are to be congratulated on what they have done in exceptional circumstances. The following officers are also singled out for their good work:— Messrs. Bell, Best, Parsons, Muhammad Ismail and C. G. Hobday in the Northern Circle, and Messrs. L. K. Martin, B. D. Ukidwe, Nazir Abbas and S. M. I. Aidroos in the Berar Circle.

55. *Subordinate Forest Service.*—As in the past year, this year the military grass operations, which were on a more extended scale, threw much extra work on the subordinate Forest Staff, and a number of subordinates below the rank of Deputy Rangers on Rs. 35 were granted a bonus of one month's pay, the minimum amount being Rs. 12.

Several of the Rangers and Deputy Rangers have again been mentioned by their respective Divisional Forest Officers for their good work. The Berar Conservator, however, remarks that though the work of the subordinate staff in his Circle has on the whole been well spoken of, that of Forest Guards continues to be adversely commented on, particularly in the Nimar, Betul and Amraoti Divisions. The difficulty of recruiting suitable men as Forest Guards has been mentioned year after year, and both the Commissioner, Berar, and the Commissioner, Nerbudda Division, have supported the proposal to raise the pay of guards. During the year a special allowance of Rs. 2 was sanctioned to Guards in the Melghat Division and the proposals to extend this concession to the Guards serving in the remaining districts of the Berar Division, as well as the Nimar, Nagpur-Wardha and Chanda districts, have been submitted to the Local Administration. The grant of this allowance will serve as a temporary measure of relief, but with the rise in wages of coolies and the high price of food-stuffs it will be necessary to consider, as soon as circumstances permit, the whole question of the pay of the subordinate staff more particularly in the lower grades.

A scheme for the better training of Forest Guards drawn up by Rao Bahadur Shrinivasalu was introduced in the Nagpur-Wardha Division, and a report thereon was received after the close of the year and is under the consideration of the Chief Conservator.

Six students passed out of the Forest College and joined the Provinces during the year.

56. *Clerical Establishment.*—During the year the pay of Range Clerks was improved, while a partial reorganization giving promotion to all clerks drawing Rs. 50 and under per mensem was also sanctioned. In order to meet the increasing standard of efficiency that is now expected from the office staff, proposals for the complete reorganization of the clerical establishment were considered at the last Conservators' Conference and submitted to Government, and it is hoped that a special officer will be deputed to make proposals for reorganization. Meanwhile a provision of Rs. 15,000 has been made in the Budget Estimate of 1919-20. The work of the clerical staff is reported to have been good on the whole. In the Berar Circle one Head Clerk died, and the Berar Conservator reports that the Department has lost in him an old servant of tried ability. Babu T. V. Pearsawmy, the Superintendent, Southern Circle, has again been commended for his good work, and the Conservator, Berar Circle, also remarks that his Superintendent continued to do good work. The Conservator, Northern Circle, observes that it is doubtful if there are sufficient clerks with the requisite qualifications who will be able to fill the posts of Divisional Head Clerks in the future. Unless well qualified men are now recruited on higher pay this difficulty will be accentuated in a few years.

57. *Punishments.*—In the Northern Circle the total number of subordinates punished during the year was 180 against 198 during the previous year, which represents 15 per cent of the total strength against 17·25 per cent. In Southern Circle 145 subordinates in all were punished, the percentage being 11·89 against 11·44, a small increase. This percentage in the Berar Circle, which had declined from 18·2 in 1915-16 to 17·3 in 1916-17, has further decreased to 13 in the year under report, the total number of subordinates punished being 156 against a total strength of 1,197.

58. *Health.*—The year under report is said to have been on the whole a healthy one except in the North and South Raipur Divisions, where there were many cases of sickness, and the work was heavily handicapped on this account. For the Province as a whole 47 deaths occurred against 56 in the last year (Northern, 20, Southern, 9 and Berar, 18). These casualties consisted of 1 Ranger, 2 Deputy Rangers, 3 Foresters, 33 Forest Guards, 2 Clerks, 2 Orderlies, 1 Chowkidar and 1 Mabaut.

#### GENERAL.

59. *Forest Villages.*—For the Province as a whole 20 new forest villages were established and two forest villages were deserted. Of the 20 newly settled forest villages 11 were in the Northern Circle, three in the Southern Circle and six in the Berar Circle. In addition to the above, three deserted villages were re-established in the Southern Circle. It is reported that a large



number of villagers in the South Mandla Division migrated to Kawardha State, where easy facilities were offered to them. The primary Hindi school established last year in the Hoshangabad Division promises to be a success and has now two classes attended by Gond and Korku boys. The villages newly established in the Seoni Division were of great assistance in supplying labour for felling and carting contractors' produce and also in the construction and repair of forest roads. The difficulty in obtaining villagers prevent the establishment of several villages sanctioned. The Conservator, Southern Circle, points out that in spite of large taccavi advances, Bhumias in the Bilaspur Division have not as yet settled down to permanent field cultivation; to recover the taccavi advances made to them, the bullocks purchased by them had to be sold at a loss, and this defeated the object with which the advances were made. However, the attempts are being continued. In the Berar Circle owing to the failure of the harvest, taccavi advances could not be recovered in full in some Divisions. In the Nimar Division a number of bullocks, which were bought for military grass works, were made over to forest villagers as taccavi.

*Malguzari Villages.*—In the Northern Circle three villages (one in the Jubbulpore-Narsinghpur and two in the Damoh Division) were brought under special protection, while ten malguzari villages (four in Seoni and six in Chhindwara) were notified as requiring such protection. In the Chhindwara Division two villages were released from special protection. In the Southern Circle three such villages in all were notified as requiring special protection, two in Balaghat and one in North Chanda. In the Berar Circle the number of villages so notified was three, all in the Betul Division, where one village was released.

*Shooting Permits.*—The total number of shooting permits issued during the year for the Province as a whole was 449 against 454 in the preceding year, a decrease of five permits only (Northern Circle, 180 against 188, Southern Circle, 143 against 111 and Berar Circle, 126 against 155). No serious cases of poaching are reported. In the Berar Circle 25 special permits were issued in the Akola Division to local village shikaris for the destruction of blue bull and wild pigs.

*Elephants.*—During the year two new elephants were purchased (one in the Northern and one in the Southern Circle) and one elephant died in the Northern Circle. All the elephants, except two in the Northern Circle and that in the Nimar Division of the Berar Circle, are reported to be in good condition. The health of the elephants in the Southern Circle is reported to have been indifferent during the year.

*Balaghat School.*—The School Nursery was maintained as a training ground for the students, who also obtain practical experience by planting flowering shrubs and ornamental trees in the School grounds. Certain additions were made to the School museum.

The relations between the Forest and Revenue Officials are reported to have been generally satisfactory throughout the year, and the Chief Conservator is glad to notice that most of the latter have, in their forwarding notes on the Divisional Reports, made appreciatory remarks on the work of Divisional Forest Officers.

M. HILL,

*Chief Conservator of Forests,*

*Central Provinces.*

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.		Excluded or transferred to other heads.		Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.				
1	2	3	4	5	6	7	8	9	10	11	12		
<b>RESERVED FORESTS.</b>													
<i>A Class.</i>													
NORTH-ERN CIRCLE.	North-Mandla.	Mandla	Malpathar Block No. 31.	28,187	44	(a) 14'40	(b) 12'40	28,189	44	(a) Notification No. 20-55-A, dated the 5th March 1918. (b) Notification No. 21-55-A, dated the 5th March 1918.			
			Saristal. Do.	Maka Block No. 34-C...	931	1	...	114	917			1	Notification No. 25-78-A, dated the 10th April 1918.
			Remainder of A class ...	473,811	741	...	...	473,811	741				
			Total A class ...	502,929	786	14'40	126'40	502,817	786				
		Total for Division ..	502,929	786	14'40	126'40	502,817	786					
South-Mandla.	Mandla	Do.	Total A Class ..	742,650	1,161	...	...	742,650	1,160				
			Total for Division ...	742,650	1,161	...	...	742,650	1,161				
Jubbulpore-Narsinghpur.	Jubbulpore-Narsinghpur.	Do.	Total A Class ...	377,457	590	...	...	377,457	590				
			Total for Division ...	377,457	590	...	...	377,457*	590				
<b>RESERVED FORESTS UNDER THE MANAGEMENT OF THE IRRIGATION DEPARTMENT.</b>													
<i>A Class.</i>													
Sihora Range.	Jubbulpore.	Do.	Kuropani Block No. 33*	106'1	...	...	...	106'1	...	No. 357, dated the 29th April 1915, for construction of Kishaghi Tank.			
			Murwara Range. Do.	Khitoli ,, 18*	82	...	...	...	82			...	No. 16, dated the 17th January 1916, for constructing of Khitoli Reservoir.
Jubbulpore Range.	Jubbulpore.	Do.	Lower Gour ,, 46	...	...	56	...	56	...	No. 94-284-A, dated the 5th December 1917, and No. 100-281-A, dated the 20th December 1917. Partly for construction of service roads to the Pariat Dam and partly for the construction of Pariat Tank.			
			Chitu ,, 44	...	...	55'01	...	55'01	...				
			Bijapuri ,, 45	...	...	15'50	...	15'50	...				
			Total for Division ...	188'1	...	71'07	...	259'17	4				
			Total under the Irrigation Department.	188'1	...	71'07	...	259'17	4				

\* Total area of the Division includes the following area under the management of the Irrigation Department.

\* Omitted in previous returns.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.	
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.			
1	2	3	4	5	6	7	8	9	10	11	12	
RESERVED FORESTS.												
A Class.												
NORTH-ERN CIRCLE.—(Contd).	Damoh.	Tendakhera.	Damoh ...	Parasia Block No. 50	2,641	4	...	2'10	2,641	4	Notification No. 81-256-A, dated 20th October 1918.	* No alteration in the area as the excluded area is less than ½ acre.
				Remainder of A Class ...	504,445	788	...	...	504,445	788		
				Total A Class ...	507,086	792	...	10	507,086	792		
				Total for Division ...	507,086	792	...	10	507,086	792		
Sangor ...	Khural ...	Sangor ...	Dewal Block No. 85 ...	12,836	20	...	90	12,746	20	Notification No. 18-287-F, dated the 9th February 1918.		
				...	...	(a) 4'98	(b) 3'84		(a) Notification No. 29-258-A, dated the 29th September 1917.			
				...	...	...	...		(b) Notification No. 10-48-A, dated the 10th and March 1918.			
				...	...	...	(c) 1'14		(c) This area is afforested twice, vide Notifications Nos. 448, dated the 9th May 1914, and 29-278-A, dated the 29th September 1917, hence deducted.			
			Malthone .. 87 ...	32,157	50	(d) 5'19	(e) 1'96	32,139'93	50	(d) Notification No. 91-273-A, dated the 20th November 1917.		
				...	...	...	(f) 1'20		(e) Notification No. 19-273-D, dated the 20th February 1918.			
			Chandrapur South Block N. 92	5,217	9	...	2'00	5,214'40	9	Notification No. 76-218-A, dated the 20th September 1917.		
			Fatehpar Block No. 103	255	...	...	3'23	251'77	...	Notification No. 11-294-A, dated the 4th January 1918.		

ANNUAL FORM No. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.	
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.			
1	2	3	4	5	6	7	8	9	10	11	12	
RESERVED FORESTS.—(Contd.)												
A Class.												
NORTH-ERN CIRCLE.—(Contd.)	Saugor ...	Rehli ... Saugor ...	Abchand Block No. 15	13,733	21	59	...	13,792	21	Notification No. 6-152-A, dated the 22nd June 1917.		
			Remainder of A class	414,741	649	...	...	414,741	649			
			Total A Class	479,019	749	69'17	103'07	478,985	749			
			Total for Division	479,019	749	69'17	103'07	478,985	749			
Hoshangabad.	...	Hoshangabad.	Total A Class	608,720	951	...	...	608,720	951			
			Total for Division	608,720	951	...	...	608,720	951			
Seoni	Ganginala.	Seoni	Ganginala Block No. 20	61,579	96	*13	...	91,592	96		*The area of Ganginala block was changed from 61,669 to 61,579 owing to the disforestation of 10 acres, vide Resolution No. 618, date the 2nd March 1897; but since the correct disforestation is 177 acres, vide amended Notification No. 22-207-A dated the 14th August 1917 instead of 190 acres the difference of 13 acres wrongly deducted before has now been added and hence the area is 61,550 acres.	
			Ugil ... Do. ...	Kariapahar Block 13	14,059	28	...	(a) 2'80 } (b) 1 }	14,055'20			32
	Nerbudda.	Do. ...	Nerbudda Block No. 5		17,058	27	...	(c) 26	17,032			26
				Remainder of A Class.	427,819	668	...	...	427,819			668
Total A Class				520,515	813	13'00	29'80	520,498	813	(a) Given in exchange for Kori piparia malguzari area of 2'30 acre afforested as per Notification No. 16-47-D, date the 31st January 1918. This are though under going settlement as per notification No. 47, dated the 21st March 1917 was wrongly added as afforested in the form of last year hence not show this year. (b) Excluded due to correction boundary line. (c) Notification No. 75-166-C, date the 20th September 1917.		
Total for Division				520,515	813	13'00	29'80	520,498	813			

**ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)**

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.		
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.				
1	2	3	4	5	6	7	8	9	10	11	12		
<b>RESERVED FORESTS.—(Contd.)</b>													
<i>A Class.</i>													
NORTH-ERN. CIRCLE.—(Contd.)	Chhindwara.	Umreth ... Chhindwara.	Katakhari Block No. 5	2,093	3	...	2'56	2,090'44	3				
			Dhau .. 10	2,711	4	1'54	...	2,712'54	4				
			Kohatia .. 14	4,746	7	...	2'00	4,744	7				
			Chipanala .. 22	19,990	32	4'46	'49	19,993'07	32				
			Bhanwar .. 25	2,492	4	18'00	...	2,510	4				
			Ghogriparbat .. 26	1,056	2	...	1'50	1,054'50	2				
			Rehab .. 26-A	772	1	...	1'25	770'75	1				
			Nimboli .. 27	580	1	...	2'00	578	1				
			Amarwara.	Do. ...	Mankadei .. 31	1,085	3	...	3'88	1,081'12	3		
					Khireti .. 35	1,295	2	...	3'42	1,291'58	2		
	Naheria .. 41	3,086			5	5	1	3,090	5				
	Charan Khapa .. 42	12,648			20	...	2'50	12,645'50	20				
	Mackawara .. 55	857			1	1'65	...	858'65	1				
	Ambara ...	Do. ...	Kondar .. 118	700	1	...	2'12	697'87	1				
			Wardha .. 119	1,022	2	...	0'95	1,021'04	2				
			Karwhar .. 120	338	1	1'96	...	339'56	1				
			Sawajpani .. 123	1,265	2	...	0'90	1,264'10	2				
			Garmoh .. 124	6,042	9	11'85	3'80	6,050'05	9				
			Mahdwi .. 125	603	1	0'90	...	603'90	1				
			Piparpani .. 127	985	1	4'00	2'00	987'00	1				
			Kanhan .. 129	66,578	104	1'31	11'29	66,568'02	104				
			Deogarh .. 130	27,006	42	3'30	3'10	27,006'20	42				
			Ghogra .. 131	3,025	5	...	2'50	3,022'50	5				
	Sillewani...	Do. ...	Changoba .. 134-A	838	1	...	0'32	837'68	1				
			Khadbell .. 106	61,026	95	12'95	18'77	61,008'18	95				
			Markasur .. 109	1,654	3	0'15	3'04	1,651'11	3				
			Chinchgaon .. 110	259	...	...	0'75	258'25	...				
	Sank ...	Do. ...	Khapa padri .. 115	1,064	2	...	0'79	1,063'21	2				
			Palpuldoh .. 94-A	1,846	3	1'00	4'39	1,841'61	3				
			Chargao .. 94-B	710	1	...	3'50	706'50	1				
			Kanhan .. 95	2,402	4	...	1'00	2,401'00	4				
			Kishanpur .. 95-A	376	1	0'50	2'22	374'28	1				
Dokli .. 98			574	1	1'38	0'38	573'00	1					
Marzadpur .. 101			389	1	...	'42	388'59	1					
Remainder of A Class.				1,92,147	299	...	...	192,147	299				
Total for Division ..				425,160	664	60'95	82'86	425,147	664				
Reserved Forests A Class.				4,163,536	6,506	166'52	342'23	4,163,360	6,505				
<b>GRAND TOTAL FOR NORTHERN CIRCLE.</b>				<b>4,163,536</b>	<b>6,506</b>	<b>166'52</b>	<b>342'23</b>	<b>4,163,360</b>	<b>6,505</b>				

Additions and exclusions due to secure agreement between Forest Survey and Settlement maps.

ANNUAL FORM NO. 7.--[PRESCRIBED].--Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.--(Contd).

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, &c.	Remarks.	
				Acres.	Equivalent in square miles.			Acres.	Acres.			Acres.
1	2	3	4	5	6	7	8	9	10	11	12	
SOUTHERN CIRCLE.	Balaghat ...	Balaghat ...	All Forests ...	626,882	979	...	...	626,882	979			
			Total for Division ...	626,882	979	...	...	626,882	979			
Bhandara ...	Dawanthari ...	Bhandara ...	Gorrah South ...	358	...	...	2	356	...	Notification No. 92/286-A, dated the 28th November 1917.	Disforested.	
			Chandpur South ...	15,093	24	...	2	15,091	24			
			Gaikhuri ...	Sambalpur ...	17,200	27	280 (a)	12 (b)	17,468	27	(a) Notification No. 24/214-B, dated the 31st August 1917.	Do.
			Girola ...	3,863	6	...	268 (b)	3,595	6	(b) Notification No. 23/214-A, dated the 31st August 1917.	Disforested.	
			Remainder ...	298,942	467	...	...	298,942	467			
	Pertabgarh ...	Do. ...	Do. ...	...	5,479	9	...	...	5,479	9		
				Total B Class ...	5,479	9	...	...	5,479	9		
	Total for Division ...	...	...	...	340,935	533	280	284	340,931	533		
				Total A Class ...	335,456	524	280	284	335,452	524		
	Bilaspur ...	All Ranges ...	Bilaspur ...	All Forests ...	348,418	545	...	...	348,418	545		
Total for Division ...				348,418	545	...	...	348,418	545			
North-Chanda.	Mcharli ...	Chanda ...	Taroba, Karwa, Moharli, Pipalkhut and Mul.	241,364	377	...	734	240,630	376	Secretariat No. 161-A/XIV, dated the 6th July 1917.	Transferred to B Class.	
			Gunjewahi.	Sowlee North ...	3,600	6	...	160	3,440	5	Secretariat No. 165-A/XIV, dated the 25th July 1917.	Do.
	Wehar Buzrug South ...	4,561	7	1,139 (c)	21 (d)	5,679	9	(c) Secretariat No. 103-A/XIV, dated the 2nd August 1917.	Retransferred from B Class.			
	Remainder ...	462,014	722	...	...	462,014	722	(d) Secretariat No. 165-A/XIV, dated the 25th July 1917.	Transferred to B Class.			
	Total A Class ...	711,539	1,112	1,139	915	711,763	1,118					

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.		Excluded or transferred to other heads.		Area on 30th June 1918.		No. and date of Notification of addition or transfer, &c.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.				
1	2	3	4	5	6	7	8	9	10	11	12		
SOUTHERN CIRCLE.— (Contd.)	North-Chanda.	Chanda	Moharli ...	12,025	19	734	...	12,757	20	Secretariat No. 161-A/XIV, dated the 6th July 1917.	Transferred from A Class.		
			Gunjewahi.	22,303	35	181 (e)	1,139 (f)	21,345	33	(e) Secretariat No. 165-A/XIV, dated the 15th July 1917.	Do.		
			Wairagarh.	99,057	154	...	1,775	97,282	153	(f) Secretariat No. 193-A/XIV, dated the 2nd August 1917.	Transferred to B Class.		
			Remainder	40,647	64	...	...	40,647	64	Notification No. 15/154-C, dated the 26th July 1917.	Disforested.		
				Total B Class	174,030	272	915	2,914	172,031	269			
				Total for Division	885,569	1,384	2,054	3,829	883,794	1,381			
	South Chanda.	All Ranges.	Chanda	All Forests	608,323	950	...	...	608,323	950			
				Total A Class	608,323	950	...	...	608,323	950			
	Ghot, Markhanda, Sironcha and Dhaba.	Do.	Do.	All Forests	214,268	335	...	...	214,268	335			
Total B Class				214,268	335	...	...	214,268	335				
Total for Division				822,591	1,285	...	...	822,591	1,285				
Nagpur-Wardha.	All Ranges.	Nagpur and Wardha.	All Forests	457,929	715	...	...	457,929	715				
			Total for Division	457,929	715	...	...	457,929	715				
North Raipur.	Laon	Raipur	Rohasi	1,034	4	...	5	1,039	4		Exclusion due to correction of area		
			Mahasa-mund.	4,601	7	50	...	4,741	7	Notification No. 20/202-A, dated the 8th August 1917.	Correction of area.		
		Remainder	323,172	504	...	...	323,172	504					
		Total for Division	329,707	515	50	5	329,842	515					

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.		Excluded or transferred to other heads.		Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.				
1	2	3	4	5	6	7	8	9	10	11	12		
<b>RESERVED FORESTS.—(Contd.)</b>													
<i>A Class.</i>													
SOUTH THERN CIRCLE.— (Contd.)	South Raipur.	Balod ...	Drug ...	Sanjari Banjari ...	661	1	...	155	526	1	Notification No. 84/249, dated the 3rd November 1917.	Disforested.	
				Rengadabri and Kurutola.	5,033	8	146	...	5,179	8	Notification No. 79/249-A, dated the 11th October 1917.	Afforested.	
				Baloda and Naghar ...	4,213	7	...	31	4,182	7	...	Exclusion due to correction of area.	
		Dhamtari...	Do. ...	Karrajhar ...	1,225	2	150	...	1,375	2	Notification No. 85/271-A, dated the 7th November 1917.	Afforested.	
			Raipur ...	Beltara and Dangimacha.	1,669	3	...	156	1,825	3	Notification No. 13/178-B, dated the 26th July 1917.	Disforested.	
				Bhotha ...	2,988	5	156	...	3,144	5	Notification No. 12/178-A, dated the 26th July 1917.	Afforested.	
		Singpur ...	Do. ...	Parwari ...	18,588	29	(g) 90	(h) 86	18,592	29	(g) Notification No. 17-18-A, dated the 27th July 1917.	Do.	
				Umradabra and Aisa ...	13,612	21	...	150	13,463	21	(h) Notification No. 18/181-B, dated the 27th July 1917.	Disforested.	
		Do. ...	Do. ...	Remainder ...	587,378	917	...	...	587,378	917	Notification No. 86/271-B, dated the 7th November 1917.	Do.	
				<b>Total for Division ...</b>	<b>6,35,368</b>	<b>993</b>	<b>542</b>	<b>558</b>	<b>6,35,352</b>	<b>993</b>			
	Do. ...	Do. ...	<b>Reserved Forests, A Class.</b>	<b>4,053,712</b>	<b>6,333</b>	<b>2,011</b>	<b>1,762</b>	<b>4,053,961</b>	<b>6,333</b>				
	Do. ...	Do. ...	<b>Reserved Forests, B Class.</b>	<b>993,777</b>	<b>616</b>	<b>915</b>	<b>2,914</b>	<b>991,778</b>	<b>613</b>				
			<b>Total Southern Circle...</b>	<b>4,447,489</b>	<b>6,949</b>	<b>2,926</b>	<b>4,676</b>	<b>4,445,739</b>	<b>6,946</b>				



ANNUAL FORM NO. 7.--[PRESCRIBED].--Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.--(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
<b>RESERVED FORESTS UNDER THE IRRIGATION DEPARTMENT.</b>											
<i>A Class.</i>											
Balaghat ...	Sonawani, Bahar and Dhanusa.	Balaghat ...	...	1,015	1	...	...	1,015	1		
Total for Division ...				1,015	1	...	...	1,015	1		
<i>A Class.</i>											
Bhandara ...	Bawaathari and Gaikhuri.	Bhandara ...	...	2,533	4	...	...	2,533	4		
Total for Division ...				2,533	4	...	...	2,533	4		
<i>A Class.</i>											
Bilaspur ...	East-Lormi.	Bilaspur ...	Sarasol ...	159	...	*10	...	169	...		* For construction of the main channel of the Amachua tank.
Total for Division ...				159	...	10	...	169	...		
<i>A Class.</i>											
North-Chanda.	Moharli, Haveli, Brahmapuri and Gunjewahi.	Chanda ...	...	10,175	16	...	...	10,175	16		
Total A Class ...				10,175	16	...	...	10,175	16		
<i>B Class.</i>											
	Moharli and Brahmapuri.	Chanda ...	...	31	...	...	...	31	...		
Total B Class ...				31	...	...	...	31	...		
Total for Division ...				10,206	16	...	...	10,206	16		
<i>B Class.</i>											
South-Chanda.	Dhaba ...	Chanda ...	...	13	...	...	...	13	...		
Total for Division ...				13	...	...	...	13	...		
<i>A Class.</i>											
South-Rajpur.	Balod ...	Drug ...	...	586	1	...	...	586	1		
Total for Division ...				586	1	...	...	586	1		
Total under the Irrigation Department--											
A Class ...				14,468	22	10	...	14,478	22		
B Class ...				44	...	...	...	44	...		
<b>GRAND TOTAL ...</b>				<b>14,512</b>	<b>22</b>	<b>10</b>	...	<b>14,522</b>	<b>22</b>		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed o Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
<b>RESERVED FORESTS UNDER THE PUBLIC WORKS DEPARTMENT.</b>											
<i>A Class.</i>											
Bhandara ..	Bawanthi, Pertabgarh and Wainganga.	Bhandara...	...	108	...	...	...	108	...		
Total for Division ...				108	...	...	...	108	...		
North Chanda.	Moharli, Haveli and Wairagarh.	Chanda ...	...	298	...	...	...	298	...		
Total for Division ...				298	...	...	...	298	...		
South Chanda.	Alapilli, Markhanda, and Sironcha,	Do. ...	...	151	...	...	...	151	...		
Total A Class ...				151	...	...	...	151	...		
<i>B Class.</i>											
Do. ...	Markhanda and Sironcha.	Do. ...	...	187	...	...	...	187	...		
Total B Class ...				187	...	...	...	187	...		
Total for Division ...				338	...	...	...	338	...		
<i>A Class.</i>											
Nagpur-Wardha.	East Pench, Umrer and Hingni.	Nagpur and Wardha.	...	138	...	...	...	138	...		
Total for Division ...				138	...	...	...	138	...		
Total under the Public Works Department—											
A Class ...				689	1	...	...	689	1		
B Class ...				187	...	...	...	187	...		
GRAND TOTAL ...				876	1	...	...	876	1		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
<b>BERAR CIRCLE.</b>											
Melghat ...	...	Amraoti ...	Hattighat ...	3,592	6	...	3,592	...	...	Secretariat letter No. 172-A-XIV, dated the 5th September 1917.	Transferred to Amraoti Division.
Do. ...	...	Do. ...	All other Forests ...	748,084	1,169	...	...	748,084	1,169		
			Total ...	751,676	1,175	...	3,592	748,084	1,169		
Amraoti ...	...	Do. ...	Hattighat ...	...	...	3,592	...	3,592	6	Secretariat letter No. 172-A-XIV, dated the 5th September 1917.	Transferred from Melghat Division.
Do. ...	...	Do. ...	All other Forests ...	49,604	77	...	...	49,604	77		
			Total ...	49,604	77	3,592	...	53,196	83		
Buldana ...	...	Buldana ...	Amdari North ...	15,986	25	3	...	15,989	25	No. 10-171-A, dated the 16th July 1917.	Added by correction.
Do. ...	...	Do. ...	All other Forests ...	144,538	226	...	...	144,538	226		
			Total ...	160,524	251	3	...	160,527	251		
Yeotmal ...	...	Yeotmal ...	Nidha ...	10,605	16	1,296	...	11,901	19	No. 39-68-Q, dated the 24th September 1917.	Transferred from "C".
Do. ...	...	Do. ...	Rui ...	7,538	12	180	...	7,718	12	No. 22-70-A, dated the 14th March 1918.	Afforested.
Do. ...	...	Do. ...	Kapsi ...	...	...	3,137	...	3,137	5	No. 38-68-P, dated the 24th September 1917.	Transferred from "C".
Do. ...	...	Do. ...	Datodi ...	...	...	3,320	...	3,320	5	No. 40-68-R, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Aite ...	...	...	2,251	...	2,251	3	No. 40-A-68-R, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Kelapur ...	43,615	68	(a) 9,456	(b) 163	52,008	85	(a) No. 34-68-L, and No. 41685-S, dated the 24th September 1917. (b) No. 60-68-A-V, dated the 24th September 1917.	Do. Disforested.
Do. ...	...	Do. ...	Pat-Pangre ...	3,711	6	1,880	...	5,591	9	No. 56-68-N, dated the 24th September 1917.	Transferred from "C".
Do. ...	...	Do. ...	Losi ...	514	1	10,026	...	11,440	18	No. 31-68-I and No. 43-68-V, dated the 24th September 1917.	Transferred from "C".
Do. ...	...	Do. ...	Lawan ...	...	...	790	...	790	1	No. 32-68-I, dated the 24th September 1917.	Do.

ANNUAL FORM No. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, &c.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
RESERVED FORESTS.—(Contd.)											
A Class.											
BERAR CIRCLE.—(Contd.)											
Ycotmal ...	...	Ycotmal ...	Chorambe ...	...	...	1,758	...	1,758	...	3 No. 33-68-K, dated the 24th September 1917.	Transferred from "C".
Do. ...	...	Do. ...	Deodari ...	...	...	2,724	...	2,724	...	4 No. 35-68-M, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Undarni ...	...	...	4,499	...	4,499	...	7 No. 37-68-O, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Ambejhari ...	...	...	2,780	...	2,780	...	4 No. 42-68-V and No. 53-68-A F, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Hiwra ...	...	...	516	...	516	...	1 No. 51-68-A D, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Rampur ...	...	...	487	...	487	...	1 No. 52-68-A E, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Bhorad Pokhari ...	...	2,117	3	2,448	...	4,565	7 No. 41-A-68-T and No. 50-68-A C, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Borgaon ...	...	644	1	797	...	1,441	2 No. 45-A-68-V, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Saknegaon ...	...	1,970	3	1,303	...	5,873	5 No. 44-68-W, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Karman ...	...	...	...	2,635	...	2,635	4 No. 45-68-X, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Ruikot ...	...	...	...	2,957	...	2,957	5 No. 46-68-Y, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Shekapur ...	...	...	...	2,393	...	2,393	4 No. 47-68-Z, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Chalbardi ...	...	...	...	518	...	518	1 No. 48-68-A A, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Mudhati ...	...	...	...	3,499	...	3,499	5 No. 49-68-A B, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Dongargaon ...	...	...	...	5,707	...	5,707	9 No. 54-68-A G, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Marwari ...	...	13,165	20	...	309	12,856	10 No. 74-68-B A (Part), dated the 24th September 1917.	Disforested.
Do. ...	...	Do. ...	Dhansal ...	...	7,003	11	504	38	7,469	12 No. 57-68 A J, dated the 24th September 1917.	Transferred from "C".
										No. 74-68-B A (Part), dated the 24th September 1917.	Disforested.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, &c.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Acres.		
1	2	3	4	5	6	7	8	9	10	11	12
RESERVED FORESTS.—(Contd.)											
A Class.											
BERAR CIRCLE.— (Contd.)											
Yeotmal ...	...	Yeotmal ...	Gangahmal ...	8,897	14	(a) 10,505	(b) 123	19,309	30	(a) No. 64—68-A Q, dated the 24th September 1917. No. 99—86-F (Part), dated the 30th December 1917. (b) No. 74—68-B A (Part), dated the 24th September 1917.	Transferred fr "C". Afforested. Disforested
Do. ...	...	Do. ...	Urdhi ...	4,489	7	(c) 58	(d) 113	4,434	7	(c) No. 99—86-F (Part), dated the 30th December 1917. (d) No. 74—68-B A (Part), dated the 24th September 1917.	Afforested. Disforested.
Do. ...	...	Do. ...	Gahuli Palodi ...	19,803	31	(e) 564	(f) 705	19,661	31	(e) No. 55—68-A H, dated the 24th September 1917. No. 99—86-F (Part), dated the 30th December 1917. (f) No. 74—68-B A (Part), dated the 24th September 1917.	Transferred fr "C". Afforested. Disforested.
Do. ...	...	Do. ...	Anshing (Southern) ...	5,249	8	(h) 1,409	(i) 221	6,527	10	(h) No. 61—68-A N, dated the 24th September 1917. (i) No. 74—68-B A (Part), dated the 24th September 1917.	Transferred fr "C". Disforested.
Do. ...	...	Do. ...	Amdari ...	1,240	2	741	...	1,981	3	No. 60—68-A M, dated the 24th September 1917. No. 99—86-F (Part), dated the 30th December 1917.	Transferred fr "C". Afforested.
Do. ...	...	Do. ...	Mudana ...	1,774	3	4,662	...	6,236	10	No. 65—68-A R, dated the 24th September 1917. No. 99—86-F (Part), dated the 30th December 1917.	Transferred fr "C". Afforested.
Do. ...	...	Do. ...	Krishnapur ...	1,727	3	(j) 7,345	(k) 203	8,809	14	(j) No. 67—68-A T, dated the 24th September 1917. No. 99—86-F (Part), dated the 30th December 1917. (k) No. 74—68-B A (Part), dated the 24th September 1917.	Transferred fr "C". Afforested. Disforested.
Do. ...	...	Do. ...	Manjar Jawle ...	...	...	541	...	541	1	No. 56—68-A I, dated the 24th September 1917. No. 99—86-F (Part), dated the 30th December 1917.	Transferred fr "C". Afforested.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
<b>RESERVED FORESTS.—(Contd.)</b>											
<i>A Class.</i>											
BERAR CIRCLE.— (Contd.)											
Yeotmal ..	...	Yeotmal ...	Phetare	...	...	131	...	131	...	No. 58-68-A-K, dated the 24th September 1917.	Transferred from "C".
Do. ...	...	Do. ...	Kadoli	...	...	139	...	139	...	No. 59-68-A-L, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Brahmi	...	...	5,362	...	5,362	8	No. 62-68-A-O, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Ghanmukh	...	...	506	...	506	1	No. 66-68-A-S, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Warad	...	...	1,203	...	1,203	3	No. 68-68-A-V, dated the 24th September 1917.	Do.
Do. ...	...	Do. ...	Kinwat	115,989	181	(m) 1,990	(n) 89	117,890	184	(m) No. 14-180-A, dated the 26th July 1917.	Renumbering of survey Nos only.
										No. 63-68-A-P, dated the 24th September 1917.	Transferred from "C".
										No. 93-301-A, dated the 13th December 1917.	Aforested.
										No. 99-86-F (Part), dated the 20th December 1917.	Do.
										(n) No. 96-301-B, dated the 13th December 1917.	Disforested.
										No. 103-311-C, dated the 22nd December 1917.	
Do. ...	...	Do. ...	All other Forests	145,376	227	...	...	145,376	227		
			Total	395,345	617	103,777	1,864	497,268	777		
Akola ...	...	Akola ...	Palodi	4,770	8	4,298	...	9,068	14	No. 6-210-E, dated the 4th January 1918.	Transferred from "C".
Do. ...	...	Do. ...	Khopardari	1,690	2	2,535	...	4,225	7	No. 7-210-F, dated the 4th January 1918.	Do.
Do. ...	...	Do. ...	Basim	7,056	11	...	15	7,011	11	No. 10-210-X, dated the 4th January 1918.	Transferred from "C".
Do. ...	...	Do. ...	Medsi	6,869	11	897	...	7,786	12	No. 3-210-B, dated the 4th January 1918.	Transferred from "C".
Do. ...	...	Do. ...	Morna	17,312	27	2,353	...	19,664	31	No. 90-251-A, dated the 9th November 1917.	Do.
Do. ...	...	Do. ...	Chikhalwal	21,794	34	74	...	21,868	34	No. 4-210-C, dated the 4th January 1918.	Do.

ANNUAL FORM NO. 7.— [PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the years.		Area on 30th June 1918.		No. and date of notification of Addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
<b>RESERVED FORESTS.—(Contd.)</b>											
<i>A Class.</i>											
BERAR CIRCLE.— (Contd.)											
Akola	...	Akola	Patur	13,210	21	(o) 1,247	(p) 921	13,536	21	(o) No. 2-220-A, dated the 4th January 1918.	Transferred from "C."
Do.	...	Do.	Babuibans	4,023	6	(q) 890	(r) 8	4,905	7	(p) No. 11-220-J, dated the 4th January 1918.	Transferred to "C."
Do.	...	Do.	Grass Reserves	12,799	20	754	...	13,553	21	(q) No. 5-210-D, dated the 4th January 1918.	Transferred from "C."
Do.	...	Do.	All other Forests	36,164	57	...	...	36,164	57	(r) No. 80-255-A, dated the 11th October 1917.	Disforested.
			Total	1,95,807	197	13,047	944	1,37,010	215	No. 9-210-H, dated the 4th January 1918.	Transferred from "C."
			GRAND TOTAL OF CLASS A IN BERAR.	14,82,966	2,317	120,419	6,400	1,596,985	2,495	No. 8-220-G, dated the 14th January 1918.	Do.
<i>C Class.</i>											
Meighat	...	Amraoti	All Forests	...	...	4,347	...	4,347	7	Secretariat letter No. 172-A-XIV, dated the 5th September 1917.	Transferred from Amraoti Division
Amraoti	...	Amraoti	Do.	93,569	145	...	4,347	89,223	139	Secretariat letter No. 172-A-XIV, dated the 5th September 1917.	Transferred to Meighat Division.
Buldana	...	Buldana	Do.	114,513	179	...	3	114,510	179	No. 98-310-A, dated the 18th December 1917.	Disforested.
Yeotmal	...	Yeotmal	Do.	367,219	574	(s) 122	(t) 114,599	252,742	395	No. 10-171-A, dated the 16th July 1917.	Excluded by correction.
										(s) No. 8-131-A, dated the 12th July 1917.	Added by correction.
										No. 9-134-B, dated the 11th July 1917.	Transferred to "A"
										No. 26-88-A, and No. 27-88-B, dated the 10th April 1918.	Excluded by correction.
										(t) No. 31-68-I, to No. 68-68-A-B, dated the 24th September 1917.	Transferred to "A"
										No. 82-51-G, dated the 30th October 1917.	Excluded by correction.
										No. 28-88-C, dated the 10th April 1918.	Excluded by correction.
										No. 101-511-A, dated the 22nd December 1917.	Corrigendum changing Survey No. only.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Concl'd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.		Excluded or transferred to other heads.		Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.				
1	2	3	4	5	6	7	8	9	10	11	12		
<b>RESERVED FORESTS.</b>													
<b>C Class.—(Concl'd.)</b>													
Berar (Concl'd.)		Yeotmal										No. 11-170-X-A, dated the 18th July 1917. No. 30-51-F and No. 70-68-A, W. to No. 73-68-A, Z, dated the 24th September 1917. No. 93-265-A, dated the 5th December 1917. No. 102-311-B, dated the 22nd December 1917, and No. 24-135-K, dated the 23rd March 1918.	Disforested.
		Akola	All Forests	80,523	126	(u) 936	(v) 13,154	68,305	107	(u) No. 10-220-I, and No. 11-220-J, dated the 4th January 1918. (v) No. 90-251-A, dated the 9th November 1917 and No. 2-220-A, to No. 6-220-H, dated the 4th January 1918.	Transferred from "A". Transfer red "A".		
<b>GRAND TOTAL OF CLASS C IN BERAR.</b>				655,824	1,025	5,405	137,103	529,126	827				
<b>GRAND TOTAL OF ALL CLASSES IN BERAR.</b>				2,138,700	3,342	125,824	138,503	2,126,111	3,321				
<b>A Class.</b>													
Ar	All Ranges.	Nimar	All Forests	1,078,699	1,686			1,078,699	1,686				
d	Do.	Betul	Do.	755,469	1,180			755,469	1,180				
<b>Total A Class in Nimar and Betul.</b>				1,834,168	2,866			1,834,168	2,866				
<b>B-I Class.</b>													
il	All Ranges.	Betul	All Forests	5,666	9			5,666	9				
<b>Total B-I Class in Nimar and Betul.</b>				5,666	9			5,666	9				
<b>Total of all Classes in Nimar and Betul.</b>				1,839,834	2,875			1,839,834	2,875				
<b>GRAND TOTAL OF ALL CLASSES IN BERAR CIRCLE.</b>				3,978,624	6,227	125,824	138,503	3,965,945	6,197				
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR.</b>				12,589,649	19,672	108,917	143,521	12,575,044	19,649				



ANNUAL FORM NO. 7.— [PRESCRIBED].— *Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Contd.)*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the years.	Excluded or transferred to other head.	Area on 30th June 1918.		No. and date of notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Acres.	Acres.		
1	2	3	4	5	6	7	8	9	10	11	12
<b>RESERVED FORESTS.—(Contd.)</b>											
<b>A Class.</b>											
BERAR CIRCLE.— (Contd.)											
Akola	—	Akola	Patur	13,210	21	(o) 1,247	(p) 921	13,536	21	(o) No. 2—220-A, dated the 4th January 1918.	Transferred from "C."
Do.	—	Do.	Babuibans	4,023	6	(q) 890	(r) 8	4,905	7	(p) No. 11—220-J, dated the 4th January 1918.	Transferred to "C."
Do.	—	Do.	Grass Reserves	12,799	20	754	—	13,553	21	(q) No. 5—220-D, dated the 4th January 1918.	Transferred from "C."
Do.	—	Do.	All other Forests	36,164	57	—	—	36,264	57	(r) No. 80—255-A, dated the 11th October 1917.	Disforested.
			Total	1,25,807	197	13,047	944	1,37,910	215	No. 9—220-H, dated the 4th January 1918.	Transferred from "C."
			GRAND TOTAL OF CLASS A IN BERAR.	14,82,966	2,317	120,419	6,400	1,596,985	2,495	No. 8—220-G, dated the 24th January 1918.	Do.
<b>C Class.</b>											
Meighat	—	Amraoti	All Forests	—	—	4,347	—	4,347	7	Secretariat letter No. 172-A—XIV, dated the 5th September 1917.	Transferred from Amraoti Division
Amraoti	—	Amraoti	Do.	93,569	146	—	4,347	89,222	139	Secretariat letter No. 172-A—XIV, dated the 5th September 1917.	Transferred to Meighat Division.
Buldana	—	Buldana	Do.	114,513	179	—	5	114,510	179	No. 98—310-A, dated the 18th December 1917.	Disforested.
Yeotmal	—	Yeotmal	Do.	367,219	574	(s) 122	(t) 174,599	252,742	395	No. 10—172-A, dated the 16th July 1917.	Excluded by correction.
										(s) No. 8—134-A, dated the 11th July 1917.	Added by correction.
										No. 9—134-B, dated the 11th July 1917.	Added by correction.
										No. 26—88-A, and No. 27—88-B, dated the 10th April 1918.	Added by correction.
										(t) No. 31—68-I, to No. 68—68-A-B, dated the 24th September 1917.	Transferred to "A"
										No. 82—51-C, dated the 30th October 1917.	Excluded by correction.
										No. 28—85-C, dated the 10th April 1918.	Excluded by correction.
										No. 101—311-A, dated the 22nd December 1917.	Corrigendum changing Survey No., only.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1917-18.—(Concl'd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1917.		Added during the year.		Excluded or transferred to other heads.		Area on 30th June 1918.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.				
1	2	3	4	5	6	7	8	9	10	11	12		
<b>RESERVED FORESTS.</b>													
<b>C Class.—(Concl'd.)</b>													
BERAR CIRCLE.— (Concl'd.)													
Yeotmal ...	...	Yeotmal ...	...	...	...	...	...	...	...	...	...	No. 11—170-X-A, dated the 18th July 1917. No. 30—51-F and No. 70—63-A. W. to No. 73—68-A. Z, dated the 14th September 1917. No. 93—265-A, dated the 5th December 1917. No. 102—311-B, dated the 22nd December 1917, and No. 24—135-K, dated the 23rd March 1918.	Disforested.
Akola ...	...	Akola ...	All Forests ...	80,523	126	(u) 936	(v) 13,154	68,305	107	(u) No. 10—220-I, and No. 11—220-J, dated the 4th January 1918. (v) No. 90—251-A, dated the 9th November 1917 and No. 2—220-A, to No. 220-H, dated the 4th January 1918.	Transferred from "A". Transfer red "A".		
			GRAND TOTAL OF CLASS C IN BERAR.	655,824	1,025	5,405	137,103	529,126	827		Disforested		
			GRAND TOTAL OF ALL CLASSES IN BERAR.	2,138,790	3,342	125,824	138,503	2,136,111	3,322				
<b>A Class.</b>													
Nimar ...	All Ranges.	Nimar ...	All Forests ...	1,078,699	1,686	...	...	1,078,699	1,686				
Betul ...	Do.	Betul ...	Do.	755,469	1,180	...	...	755,469	1,180				
			Total A Class in Nimar and Betul.	1,834,168	2,866	...	...	1,834,168	2,866				
<b>B-I Class.</b>													
Betul ...	All Ranges.	Betul ...	All Forests ...	5,666	9	...	...	5,666	9				
			Total B-I Class in Nimar and Betul.	5,666	9	...	...	5,666	9				
			Total of all Classes in Nimar and Betul.	1,839,834	2,875	...	...	1,839,834	2,875				
			GRAND TOTAL OF ALL CLASSES IN BERAR CIRCLE.	3,978,624	6,217	125,824	138,503	3,965,945	6,197				
			GRAND TOTAL CENTRAL AND BERAR.	12,589,619	19,672	128,917	143,521	12,575,044	19,649				

FORM NO. 8.—Progress made in Forest Settlements during the year 1917-18.

Forest Division.	Civil District or Territory.	Name of Forest.	Area in square miles.			Cost during year		Entire cost per square mile of areas finally settled.	Government Notification of Settlement.	
			Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.		No.	Date.
1	2	3	4	5	6	7	8	9	10	11
<b>NORTHERN CIRCLE.</b>			<b>RESERVED FORESTS.</b>							
			<i>A Class.</i>							
North-Mandla	Mandla	Khairi	0'02	0'02	...	Rs.	Rs.	Rs.	20-35-A.	31st March 1918.
South-Mandla	Mandla	...	...	...	...	...	...	...	...	...
Jubbulpore-Narsinghpur.	Jubbulpore	...	...	...	...	...	...	...	...	...
	Narsinghpur	...	...	...	...	...	...	...	...	...
Damoh	Damoh	...	...	...	...	...	...	...	...	...
Saugor	Saugor	Sukalipur	0'01	0'01	...	...	...	...	91-273-A.	20th November 1917.
		Dhorai	0'10	0'10	...	...	...	...	30-238-A.	29th September 1917.
		Jhiria Khirria								
		Manak Chaut	...	0'04	...	...	...	...	669	31st December 1916.
Hoshangabad	Hoshangabad	...	...	...	...	...	...	...	...	
Seoni	Seoni	Koro-Piparia	0'04	0'04	...	...	...	...	16-47-D.	31st January 1918.
Chhindwara	Chhindwara	Chhapara	...	...	0'73	...	...	...	77-195-E.	8th October 1917.
Total for Northern Circle.			1'34	1'74	0'73	...	...	...	...	...
<b>SOUTHERN CIRCLE.</b>										
Balaghat	Balaghat	Serpar	...	...	2'12	...	...	...	26-226-A.	14th November 1917.
Bhandara	Bhandara	Thadajhari	0'44	0'44	...	...	...	...	24-214-E.	31st August 1917.
		Dormajhari	...	...	0'08	...	...	...	25-213-E.	22nd April 1918.
Bilaspur	Bilaspur	...	...	...	...	...	...	...	...	
North-Chanda	Chanda	...	...	...	...	...	...	...	...	
South-Chanda	Do.	...	...	...	...	...	...	...	...	
Nagpur-Wardha	Nagpur	...	...	...	...	...	...	...	...	...
	Wardha	Belhara	...	0'55	...	...	...	...	608	2nd November 1916.
North Raipur	Raipur	...	...	...	...	...	...	...	...	...
	Drug	...	...	...	...	...	...	...	...	...
South Raipur	Raipur	Bhandarwahi	0'14	0'14	...	...	...	...	17-181-A.	27th July 1917.
		Botha	0'24	0'24	...	...	...	...	18-178-A.	26th July 1917.
		Banjari and Kuro-tola.	0'23	0'23	...	...	...	...	75-219-A.	12th October 1917.
		Banbagaud	...	...	0'01	...	...	...	14-7-A.	31st January 1918.
Total Southern Circle..			1'05	1'60	2'31	...	...	...	...	...

FORM NO. 8.—Progress made in Forest Settlements during the year 1917-18.—(Concl'd.)

Forest Division.	Civil District or Territory.	Name of Forest.	Area in square miles.			Cost during year		Entire cost per square mile of areas finally settled.	Government Notification of Settlement.	
			Finally settled during year.	In hand at commencement of year.	Taken in hand during year.	In Forest Accounts.	In other Accounts.		No.	Date.
1	2	3	4	5	6	7	8	9	10	11
<b>BERAR CIRCLE.</b>			<b>RESERVED FORESTS.</b>							
			<i>A Class.</i>							
Melghat	Amraoti	...	...	...	...	Rs.	Rs.	Rs.	...	...
Amraoti	Amraoti	...	...	...	...	...	...	...	...	...
Buldana	Buldana	Dhalsawangi	...	...	0'06	...	...	...	23-66-A	23rd March 1918.
		Sondabi, Yekambi and Therdi villages.	0'07	...	...	...	...	...	95-301-A	13th December 1917.
		Several villages	3'44	3'44	...	...	...	...	99-86-F	20th December 1917.
Yeotmal	Yeotmal	Mangrul khurd and Dabhadi villages.	1'96	1'96	...	...	...	...	13-333-A	7th January 1918.
		Rui Pargana Chikni	(2) 0'28	...	(1) 0'28	...	...	(1) (2)	7-161-A 22-70-A	10th July 1917. 14th March 1918.
Akola	Akola	...	...	...	...	...	...	...	...	...
Nimar	Nimar	...	...	...	...	...	...	...	...	...
Betul	Betul	...	...	...	...	...	...	...	...	...
		<b>Total Berar Circle</b>	<b>5'75</b>	<b>5'47</b>	<b>0'28</b>	...	...	...	...	...
		<b>TOTAL CENTRAL PROVINCES AND BERAR</b>	<b>6'93</b>	<b>7'24</b>	<b>3'28</b>	...	...	...	...	...

FORM NO. 9.—[PRESCRIBED].—Record of Demarcation and Maintenance of Boundaries, 1917-18.

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at close of the year.	Length of boundaries still to be demarcated at close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new work.	On repairs.	
I	2	3	4	5	6	7	8	9	10	11
<b>NORTHERN CIRCLE.</b>										
North-Mandla	1	1,401	195	1,597	...	168	1,765	...	1,760	
South-Mandla	...	953	245	1,198	...	137	1,335	3	1,451	
Jubbulpore-Narsinghpur	...	592	644	1,236	...	296	1,532	...	719	
Damoh	...	505	893	1,398	...	358	1,756	...	267	
Saugor	...	731	882	1,613	...	220	1,833	...	951	
Hoshangabad	14	Ch. 111-40	366	491½	...	44	535½	...	346	
Seoni	...	1,254	422	1,676	...	229	1,905	...	892	
Chhindwara	11	112	1,329	1,452	...	19	1,471	68	873	
Total Northern Circle	26	Ch. 5,659-40	4,976	10,661½	...	1,471	12,132½	71	7,259	
<b>SOUTHERN CIRCLE.</b>										
Balaghat	...	346	923	1,269	...	119	1,388	...	1,200	
Bhandara	1	267	988	1,256	...	132	1,388	12	240	
Bilaspur	...	71	293	364	...	120	484	...	67	
North-Chanda	...	336	1,740	2,076	...	230	2,306	...	819	
South-Chanda	...	107	598	705	...	99	804	...	819	
Nagpur-Wardha	...	795	379	1,174	...	107	1,281	...	1,482	
North-Raipur	...	439	...	439	...	119	558	...	547	
South-Raipur	...	838	...	838	...	36	874	...	260	
Total Southern Circle	1	3,199	4,921	8,121	...	962	9,083	12	5,434	

FORM NO. 9.—[PRESCRIBED].—Record of Demarcation and Maintenance of Boundaries, 1917-18.—(Concl.)

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at close of the year.	Length of boundaries still to be demarcated at close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year.		Remarks.
								On new works.	On repairs.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
<b>BERAR CIRCLE.</b>										
Malgat	A Class	111	193	304	...	58	362	...	244	
	C Class	...	22	22	...	...	22	...	...	
Amraoti	A Class	66	338	404	...	13	417	...	66	
	C Class	...	3,048	3,048	...	17	3,065	...	...	
Buldana	A Class	78	481	559	...	15	574	2	213	
	C Class	58	597	655	...	...	655	1	40	
Yeotmal	A Class	377	1,165	1,706	...	49	1,755	856	75	
	C Class	1	2,781	2,782	...	...	2,782	2	42	
Akola	A Class	112	815	934	23	11	968	123	310	
	C Class	...	...	...	...	...	...	...	...	
Nimar	A Class	118	945	1,063	...	301	1,364	...	1,432	
	C Class	...	...	...	...	...	...	...	...	
Betul	A Class	592	604	1,196	...	178	1,374	18	476	
	B-I Class	...	26	26	...	8	34	...	...	
<b>Total Berar Circle</b>										
	172	1,512	11,015	12,699	23	650	13,372	1,002	2,898	
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR.</b>										
	199	10,370	80,912	31,481	23	3,083	34,587	1,085	15,591	

FORM NO. 10.—[PRESCRIBED].—Statement of Forest

Division.	Area surveyed and under survey during the											
	Special surveys—Maps on 2 inch scale or over, by Survey of India Department.						Ordinary included in topographical Programme of the Survey of India or in District Surveys.					
	With interior details.			Boundary surveys.			With interior details.			Boundary surveys.		
	Previ-ous.	Of year.	Total Cost.	Previ-ous.	Of year.	Total Cost.	Previ-ous.	Of year.	Total Cost.	Previ-ous.	Of year.	Total Cost.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.
<b>NORTHERN CIRCLE.</b>												
North-Mandla	754	...	57,267	...	...	...	...	...	...	32	...	...
South-Mandla	1,135	...	5,7388	...	...	...	...	...	...	21	...	...
Jubbulpore-Narsinghpur	590	...	69,486	...	...	...	...	...	...	...	...	...
Damoh	792	...	2,12,429	...	...	...	...	...	...	...	...	...
Saugor	752	...	79,030	...	...	...	...	...	...	...	...	...
Hoshangabad	1,211	...	18,873	...	...	...	...	...	...	...	...	...
Seoni	827	...	60,146	...	...	...	...	...	...	...	...	...
Chhindwara	712	...	49,185	...	...	...	...	...	...	...	...	...
<b>Total Northern Circle</b>	<b>6,773</b>	...	<b>6,03,804</b>	...	...	...	...	...	...	<b>53</b>	...	...
<b>SOUTHERN CIRCLE.</b>												
Balaghat	954	...	45,963	...	...	...	...	...	...	...	...	...
Bhandara	533	...	36,822	...	...	...	...	...	...	...	...	...
Bilaspur	(a) 624	...	* 42,549	...	...	...	...	...	...	...	...	...
North-Chanda	3,066	...	86,999	...	...	...	...	...	...	...	...	...
South-Chanda		...		...	...	...	...	...	...	...	...	...
Nagpur-Wardha	705	...	60,467	...	...	...	...	...	...	...	...	...
North-Raipur	1,386	...	1,03,818	...	...	...	...	...	...	...	...	...
South-Raipur		...		...	...	...	...	...	...	...	...	...
<b>Total Southern Circle</b>	<b>7,268</b>	...	<b>3,76,618</b>	...	...	...	...	...	...	...	...	...
<b>BERAR CIRCLE.</b>												
Melghat	1,169	...	...	...	...	...	...	...	...	...	...	...
Amraoti	6 (1)	...	...	...	...	224	39	...	...	259	...	...
Baldana	126	...	...	...	...	...	323	...	...	1,225	...	...
Yeotmal	...	...	...	...	...	...	732	...	...	2,137	...	...
Akola	...	...	...	...	...	...	212	...	...	920	...	...
Nimar	1,057	...	5,309	...	...	...	29	...	...	29	...	...
Betul	1,189	...	20,207	...	...	...	...	...	...	...	...	...
<b>Total Berar Circle</b>	<b>4,147</b>	...	<b>25,516</b>	...	...	<b>224</b>	<b>1,335</b>	...	...	<b>4,570</b>	...	...
<b>GRAND TOTAL FOR CENTRAL PROVINCES AND BERAR.</b>	<b>18,128</b>	...	<b>10,05,938</b>	...	...	<b>224</b>	<b>1,335</b>	...	...	<b>4,623</b>	...	...

survey during the year 1917-18.

year 1917-18.										Cost.			Remarks.		
Chain and compass or other surveys by local officers.										Areas remaining to be taken under Survey.	Total Forest area at end of the year, as per Form No. 7.	Previous		Of year.	Entire cost of all surveys at end of the year.
With interior details.					Boundary Surveys.										
4-inch or over.		Under 4-inch.		Total cost.	Previous.	Of year.	Total cost.								
Previous.	Of year.	Previous.	Of year.												
14	15	16	17	18	19	20	21	22	23	24	25	26	27		
Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Rs.	Rs.			
...	...	...	...	...	4	...	...	...	786	57,267	...	57,267			
I	...	...	...	...	...	...	...	...	1,161	57,388	...	57,388			
...	...	...	...	...	...	...	...	...	590	69,486	...	69,486			
...	...	...	...	...	...	...	...	...	792	2,12,429	...	2,12,429			
...	...	...	...	...	...	...	...	...	749	79,030	...	79,030			
...	...	...	...	...	...	...	...	...	951	18,873	...	18,873			
...	...	...	...	...	...	...	...	...	813	60,146	...	60,146			
...	...	...	...	...	...	...	...	...	664	49,185	...	49,185			
I	...	...	...	...	4	...	...	...	6,505	6,03,804	...	6,03,804			
...	...	...	...	...	...	...	...	...	979	45,963	...	45,963			
...	...	...	...	...	...	...	...	...	533	36,822	...	36,822			
...	...	...	...	...	...	...	...	...	545	42,549	...	42,549			
{	...	...	...	...	4	...	...	...	1,381	86,999	...	86,999	(a) Includes 120 square miles of the Sonakhan Range transferred to the North-Raipur Division. * Includes expenditure incurred for the Sonakhan Range transferred to the North-Raipur Division.		
...	...	...	...	...	...	...	...	1,285							
...	...	...	...	...	...	...	...	...	715	60,467	...	60,467			
{	...	...	...	...	6	...	...	...	515	1,03,818	...	1,03,818			
...	...	...	...	...	...	...	...	...	993						
...	...	...	...	...	10	...	...	...	6,946	3,76,618	...	3,76,618			
168	...	...	...	2,621	...	...	...	...	1,176	2,16,515	1	2,16,516			
64	...	...	...	540	...	...	...	155	222	2,364	207	2,571	(1) Area of Hattighat Ramna transferred from Melghat to Amraoti Division.		
28	...	...	...	...	...	...	...	...	430	426	3	429			
...	...	...	...	...	...	...	...	...	1,172	30,560	955	31,515			
...	...	...	...	...	...	...	...	...	322	4,515	334	4,849			
...	...	...	...	...	...	...	...	...	1,686	5,309	...	5,309			
...	...	...	...	...	...	...	...	...	1,189	20,207	...	20,207			
242	...	...	...	3,161	...	...	...	155	6,197	2,79,896	1,500	2,81,396			
243	...	...	...	3,161	14	...	...	155	19,649	12,60,318	1,500	12,61,818			



FORM NO. 11.—Progress made in Working Plans during the year 1917-18.

Division.	Area under sanctioned working plans.					Area not under working plans.			Total forest area in Form No. 7 (Total of Columns 5, 7, 8 and 9).	Revisions.			Expenditure on working plans during the year.	Remarks.
	At commencement of year.	Added during year.	Deducted during year.	At close of year.		Plans under preparation.	Plans not under preparation.			Due or required.	In progress at end of year.	Revised plans sanctioned during year.		
				Actual area.	Percentage of total forest area (as shown in Column 10).		Required at present.	Not required at present.						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<b>NORTHERN. CIRCLE</b>	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Per cent	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Sq. m.	Rs.	
North-Mandla	175	...	...	175	22.3	...	...	611	786	...	...	...	...	
South-Mandla	* 443	...	...	443	38	...	...	718	1,161	...	...	...	...	* Includes 119 sq. miles of Khannat Sal Forests.
Jnbbulpore-Narsingpur	590	...	...	590	100	...	...	...	590	...	...	...	...	
Damoh	792	...	...	792	100	...	...	...	792	...	...	...	...	
Saugor	749	...	...	749	100	...	...	...	749	...	...	...	...	
Hoshangabad	740	...	...	740	77.8	...	55	156	951	677	...	...	...	
Seoni	813	...	...	813	100	...	...	...	813	...	...	...	...	
Chhindwara	664	...	...	664	100	...	...	...	664	...	...	...	...	
<b>Total</b>	<b>4,956</b>	...	...	<b>4,956</b>	<b>79</b>	...	<b>55</b>	<b>1,485</b>	<b>6,506</b>	<b>677</b>	...	...	...	
<b>SOUTHERN CIRCLE.</b>														
Balaghat	963	...	...	963	98	...	2	(a) 14	979	...	...	...	...	(a) Afforested after the preparation of the sal working plan and mostly village areas.
Bhandara	533	...	...	533	100	...	...	...	533	...	...	...	...	
Bilaspur	545	...	...	545	100	...	...	...	545	...	...	...	...	
North-Chanda	(b) 1,127	...	...	1,127	81	...	...	(c) 254	1,381	1,112	...	...	...	(b) Includes 15 sq. miles of B Class forest. (c) B Class forest.
South-Chanda	643	...	...	643	50	(d) 307	...	(e) 335	1,285	...	(f) 65	...	...	(d) Sironcha Range. (e) B Class forest. (f) Wainganga F. S.
Nagpur-Wardha	715	...	...	715	100	...	...	...	715	...	...	...	...	
North-Raipur	515	...	...	515	100	...	...	...	515	...	515	...	...	
South-Raipur	968	...	...	968	97	(g) 22	...	(h) 3	993	...	968	...	...	(g) Afforested since the old working plans were sanctioned. (h) Land taken over from the Irrigation Department.
<b>Total Southern Circle</b>	<b>6,009</b>	...	...	<b>6,009</b>	<b>86</b>	<b>329</b>	<b>2</b>	<b>606</b>	<b>6,946</b>	<b>1,112</b>	<b>1,548</b>	...	...	
<b>BERAR CIRCLE.</b>														
Melghat	1,175	...	(a) 6	1,169	99	...	...	(b) 7	1,276	...	...	...	...	(a) Transferred to the Amraoti Division. (b) C Class Forests transferred from the Amraoti Division.
Amraoti	...	(c) 6	...	6	3	(d) 216	...	...	222	...	...	...	...	(c) Transferred from the Melghat Division. (d) 7 square miles of C Class transferred to the Melghat Division.
Buldana	430	...	...	430	100	...	...	...	430	...	...	...	...	
Yeotmal	19	757	...	776	...	...	...	(e) 396	1,172	...	...	...	189	(e) 395 sq. mile C Class and 1 square mile lately received by afforestation of Khalsa fields in Kinwat (90 sq. miles of C excluded by changes since last year).
Akola	323	(f) 21	(f) 22	323	100	...	...	...	323	...	...	...	...	(f) Due to transfers from one class to another and disforestsments.
Nimar	1,686	...	...	1,686	100	...	...	...	1,686	...	...	...	...	
Betal	1,180	...	...	1,180	99	...	...	(g) 9	1,189	...	...	...	...	(g) B. I Class forest to be disforested.
<b>Total Berar Circle</b>	<b>4,813</b>	<b>784</b>	<b>28</b>	<b>5,569</b>	<b>89</b>	<b>216</b>	...	<b>412</b>	<b>6,197</b>	...	...	...	<b>189</b>	
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR.</b>	<b>15,788</b>	<b>784</b>	<b>28</b>	<b>16,544</b>	<b>85</b>	<b>545</b>	<b>57</b>	<b>2,593</b>	<b>19,649</b>	<b>1,789</b>	<b>2,548</b>	...	<b>189</b>	

(i) No entries referring to revisions of sanctioned plans will be made in Columns 8 to 9.  
(ii) Notes will be made in Column 15 to explain whether entries in Columns 3 and 4 refer to new work, to corrections of area or to abandonment of working plan prescriptions.  
(iii) No entries will be made in Column 4 regarding temporary suspensions pending revision.  
(iv) New areas included in or area thrown out during revisions will be shown in Columns 3, 4, and 7, and not in Columns 12 and 13.  
(v) Honoraria granted for the compilation of working plans will be shown in the remarks column only.

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ANNUAL FORM No. 12.

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Division.	New works undertaken during the year.															
	Buildings.					Roads and paths.								Other works.		
	Expenditure on				Total expenditure incurred.	Cart-roads.		Bridle-paths and feeder roads.		Others.		Total length of paths or roads.	Total expenditure incurred.	Expenditure incurred.	Total expenditure on new works.	
	Head-quarter houses.	Rest-houses.	Houses for subordinate establishment.	Others.		Length.	Cost.	Length.	Cost.	Length.	Cost.					
1	2 (a)	2 (b)	2 (c)	2 (d)	3	4 (a)	4 (b)	4 (c)	4 (d)	4 (e)	4 (f)	5	6	7	8	
<b>NORTHERN CIRCLE.</b>																
North-Mandla	Rs.	Rs.	Rs.	Rs.	Rs.	M. Ch.	Rs.	M. Ch.	Rs.	M. Ch.	Rs.	M. Ch.	Rs.	Rs.	Rs.	
South-Mandla	---	60	2,505	76	2,731	---	---	---	12 0	135	12 0	---	155	425	3,291	
Jubbulpore-Narsinghpur	---	---	518	40	558	1 0	1,453	---	---	---	---	---	1 0	1,433	1,991	
Damoh	---	1,305	3,246	---	4,551	50 30	(a) 5,852	---	---	---	---	---	50 30	5,852	884	11,287
Saugor	---	---	2,700	---	2,700	2 40	791	2 40	230	1 0	3	6 0	1,024	843	4,567	
Hoshangabad	---	1,500	4,716	---	6,216	13 37½	2,447	---	---	10 30	53	23 17½	2,500	260	8,976	
Seoni	---	---	5,031	60	5,091	10 21	5,212	---	---	16 0	305	26 21	5,537	948	11,576	
Chhindwara	---	---	2,420	45	2,474	0 15	75	---	---	1 60	4	1 75	79	289	2,849	
Total Northern Circle	---	2,865	23,105	321	25,191	77 69½	15,830	2 40	230	41 0	500	121 29½	16,560	3,649	45,400	
<b>SOUTHERN CIRCLE.</b>																
Balaghat	---	---	672	32	704	2 36	1,471	---	---	3 40	300	5 76	1,771	62	2,537	
Balaghat School	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
Bhandara	---	---	1,806	---	1,806	5 0	2,635	---	---	---	---	---	5 0	2,635	25	4,466
Bilaspur	---	---	214	---	214	---	---	---	---	---	---	---	---	---	440	694
North-Chanda	---	---	1,035	125	1,160	0 23	374	---	---	---	---	0 23	274	80	1,514	
South-Chanda	---	---	2,540	---	2,540	---	---	---	---	---	---	---	---	---	24	2,564
Nagpur-Wardha	---	---	1,082	13	1,095	21 0	4,049	10 0	82	10 0	46	41 0	4,177	5,423	10,795	
North-Raipur	---	---	1,465	---	1,465	18 40	2,502	---	---	4 0	89	22 40	2,591	780	4,826	
South-Raipur	---	---	3,268	---	3,268	41 39	6,684	---	---	---	---	---	41 39	6,684	809	10,761
Total Southern Circle	---	---	12,082	170	12,252	88 58	17,615	10 0	82	17 40	435	116 18	18,152	7,743	35,127	
<b>BERAR CIRCLE.</b>																
Melghat	---	---	4,100	314	4,414	2 0	612	---	---	---	---	2 0	612	83	5,109	
Amraoti	---	---	7,013	227	7,240	---	---	---	---	---	---	---	---	661	7,901	
Baldana	---	---	5	---	5	1 76	2,025	---	---	---	---	1 76	2,025	25	2,065	
Yeotmal	---	---	698	230	928	33 40	1,095	---	---	0 40	1,051	34 0	2,146	1,181	4,255	
Akola	---	---	1,500	---	1,500	---	---	---	---	---	---	---	---	---	1,500	
Nimar	---	---	104	82	186	8 52	1,223	---	---	---	---	---	8 52	1,223	1,720	
Beta	---	---	---	57	57	---	10,000	3 20	151	25 1	66	28 21	10,217	188	10,408	
Total Berar Circle	---	---	12,220	910	14,330	46 8	14,965	3 20	151	25 41	1,117	74 69	16,223	2,599	33,072	
<b>TOTAL CENTRAL PROVINCES AND BERAR.</b>	---	2,865	47,607	1,301	51,773	2,12½	48,410	15 0	463	84½	2,052	312	50,925	15,901	1,16,590	

Abs

SOUTHERN

Roads.	Rs.
New works	18,152
Old works	14,814
Total	32,966

Communications and Buildings during the year 1917-18.

Repairs executed during the year.																Remarks.
Buildings.					Roads and paths.							Other works.		Total expenditure incurred.		
Expenditure on				Total expenditure incurred.	Cart-roads.		Bridle-paths and feeder-roads.		Others.		Total length of paths or roads.	Total expenditure incurred.	Total expenditure incurred.			
Head-quarter houses.	Rest-houses.	Houses for subordinate establishment.	Others.		Length.	Cost.	Length.	Cost.	Length.	Cost.						
9 (a)	9 (b)	9 (c)	9 (d)	10	11 (a)	11 (b)	11 (c)	11 (d)	11 (e)	11 (f)	12	13	14		15	16
Rs.	Rs.	Rs.	Rs.	Rs.	M. Ch.	Rs.	M. Ch.	Rs.	M. Ch.	Rs.	M. Ch.	Rs.	Rs.	Rs.		
...	...	632	...	632	39 0	353	2 0	20	...	...	41 0	373	90	1,095		
...	676	1,237	191	2,104	81 0	1,197	49 0	233	...	...	130 0	1,430	76	3,609		
...	104	1,477	145	1,726	80 0	1,109	3 0	18	24 0	176	107 0	1,803	534	4,063		
...	52	1,046	...	1,008	361 62	(b) 2,040	...	...	123 58	692	485 5	2,732	222	4,052	(a) Includes Rs. 97 spent on road alignment over 38 miles.	
...	81	832	142	1,055	200 0	1,149	9 0	75	...	...	209 0	1,224	90	2,369	(b) Includes Rs. 477 spent on repairs of 78 1/2 miles of District Council road.	
...	1,010	1,182	84	2,276	387 21	5,556	...	...	...	...	387 21	5,556	620	8,458		
...	382	1,147	46	1,575	100 37	861	...	...	4 40	145	104 77	1,006	508	3,229		
...	74	759	...	833	109 65	503	...	...	...	...	109 65	503	60	1,395		
...	2,379	8,312	738	(c) 11,419	1,359 25	13,268	63 0	346	152 18	1,013	1,574 45	14,627	2,206	28,260	(c) Includes Rs. 214 on account of pay of malis.	
...	298	1,392	...	1,690	213 0	2,314	...	...	22 0	81	235 0	2,395	395	4,480		
...	...	...	10	10	...	...	...	...	...	...	...	...	97	107		
...	296	702	25	1,023	206 0	753	...	...	...	...	206 0	753	186	1,962		
...	63	239	110	412	149 0	483	11 0	17	...	...	160 0	500	181	1,093		
...	259	749	...	1,008	419 0	2,555	...	...	...	...	419 0	2,555	208	3,771		
...	555	858	782	2,195	577 0	3,705	...	...	24 0	27	601 0	3,732	683	6,610		
...	62	1,110	43	1,215	740 0	1,893	...	...	27 0	56	776 0	1,949	382	3,546		
...	98	389	7	494	184 0	2,004	17 0	19	...	...	201 0	2,023	772	3,289		
...	75	564	...	639	220 0	907	...	...	...	...	220 0	907	81	1,627		
...	1,706	6,003	977	8,686	2,807 0	14,614	28 0	36	73 0	164	2,908 0	14,814	2,985	26,485		
1,565	1,017	2,950	760	6,292	449 0	3,958	300 0	646	...	...	749 0	3,704	993	10,989		
736	27	685	...	1,428	23 0	8,358	5 0	9	...	...	28 0	8,367	54	9,849		
303	684	243	71	1,301	71 24	627	...	...	16 47	24	87 71	651	207	2,159		
...	174	672	22	868	199 30	1,001	...	...	...	...	199 30	1,001	269	2,138		
...	15	413	55	483	111 0	468	...	...	...	...	111 0	468	285	1,175		
952	718	1,480	23	3,173	425 38	1,674	...	...	...	...	425 38	1,674	102	4,949		
...	122	1,343	...	1,465	312 0	1,834	...	...	...	...	312 0	1,834	80	3,379		
3,556	2,757	7,766	931	15,010	1,591 12	17,014	305 0	655	16 47	24	1,912 59	17,694	1,990	34,638		
3,556	6,842	22,081	314	35,123	5,758 0	44,896	395 0	1,037	242 0	1,201	6,326 0	47,135	7,181	89,439		

tract.

CIRCLE.

Buildings.		Other works.	
New works	Rs. 12,262	New works	Rs. 7,743
Old works	8,686	Old works	2,985
<b>Total</b>	<b>20,938</b>	<b>Total</b>	<b>10,728</b>

FORM NO. 13.—Statement showing register of breaches of

Forest Division.	Cases pending from previous year.			New cases of the year.																		
				Injury to forest by fire.			Unauthorized felling.			Unauthorized grazing.			Other offences.			Total.						
	A	B	All	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
<b>NORTHERN CIRCLE.</b>																						
North-Mandla	...	38	38	...	31	21	...	343	10	...	231	...	1	11	...	1	615	31				
South-Mandla	...	133	133	...	6	3	...	418	17	...	177	...	1	4	...	3	605	20				
Jubbulpore-Narsinghpur	...	2	54	54	...	13	...	271	50	...	263	...	...	6	...	10	553	50				
Damoh	...	(a) 134	134	...	5	25	...	269	4	...	327	1	2	7	...	24	608	30				
Saugor	...	(b) 3	73	76	...	...	12	...	308	93	...	315	8	...	4	1	8	627	114			
Hoshangabad	...	2	20	22	...	2	...	26	9	...	115	1	...	9	...	6	318	10				
Seoni	...	...	25	25	...	5	26	...	307	25	...	290	...	...	12	...	7	614	51			
Chhindwara	...	(c) 3	113	116	...	3	32	...	239	3	...	346	...	1	3	...	20	590	35			
Total Northern Circle	...	10	588	598	...	65	119	...	2,140	211	...	2,053	10	5	56	1	79	4,474	341			
<b>SOUTHERN CIRCLE.</b>																						
Balaghat	...	2	67	69	...	6	11	...	225	30	...	197	2	...	26	...	...	454	45			
Bhandara	...	...	52	52	...	2	8	...	77	3	...	128	...	...	1	...	2	208	11			
Bilaspur	...	...	10	10	...	...	12	...	90	...	...	37	...	...	2	...	...	189	18			
North-Chanda	...	...	65	65	...	...	7	...	327	10	...	175	...	...	9	...	4	511	17			
South-Chanda	...	...	4	4	...	1	2	...	277	12	...	201	...	...	9	...	...	458	14			
Nagpur-Wardha	...	1	35	36	...	2	10	...	60	...	...	202	...	1	13	...	8	277	10			
North-Raipur	...	...	64	64	...	...	6	...	67	...	...	11	...	3	26	...	22	248	6			
South Raipur	...	4	25	29	...	3	9	...	174	4	...	342	2	...	15	6	13	534	21			
Total Southern Circle	...	7	322	329	...	3	14	...	1,297	59	...	1,437	4	4	101	6	49	2,849	134			
<b>BERAR CIRCLE.</b>																						
Melghat	...	...	11	11	...	6	4	...	148	...	...	103	...	1	22	...	1	279	1			
Amraoti	...	1	73	74	...	1	7	...	36	...	...	9	...	...	149	...	10	536	7			
Baldana	...	4	38	42	...	1	...	...	71	1	...	286	...	...	19	...	10	477	1			
Yeotmal	...	...	181	181	...	5	13	...	393	33	...	928	7	3	188	...	18	1,514	53			
Akola	...	...	40	40	...	...	...	...	135	11	...	446	...	...	46	14	13	627	25			
Nimar	...	...	107	107	...	6	...	...	122	27	...	359	...	2	13	...	11	500	27			
Betul	...	...	...	...	...	3	...	...	230	16	...	165	...	...	11	...	2	408	16			
Total Berar Circle	...	5	450	455	...	21	24	...	1,135	88	...	2,737	7	6	448	14	65	4,347	133			
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR</b>	...	22	1,360	1,382	...	3	100	...	208	50	...	4,672	358	125	6,237	21	15	605	31	193	11,614	608

N. B.—A means B means cases disposed of under C means

Forest Rules during the year 1917-18.

Total cases.				Disposed of during the year.															Cases pending at close of year.			Remarks.
				Convictions.				Acquittals.				Total										
				Cases.		Persons.		Cases.		Persons.		Cases.			Persons.							
A	B	C	All	A	B	A	B	A	B	A	B	A	B	All	A	B	All	A	B	All	41	
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	
1	653	31	684	1	637	1	1,635	...	...	1	...	1	637	638	2	1,635	1,637	...	16	16		
5	738	20	761	2	698	5	1,590	1	...	4	...	3	698	701	9	1,590	1,599	...	40	40		
13	605	50	667	6	535	17	1,589	5	...	21	...	11	535	546	38	1,589	1,627	1	70	71		
24	742	30	706	13	664	49	1,972	6	...	61	...	19	664	683	110	1,972	2,082	5	78	83	(a) Out of 126 cases 2 were written off laterly.	
11	700	114	815	7	645	17	1,578	3	...	4	...	10	645	655	21	1,578	1,599	1	55	56	(b) Case was laterly withdrawn and compounded.	
8	232	10	250	7	223	15	290	...	...	...	...	7	223	230	15	290	305	1	9	10		
7	639	51	667	3	580	8	1,347	4	...	9	...	7	580	587	17	1,347	1,364	...	59	59		
23	703	35	761	16	614	28	1,139	4	...	19	...	20	614	634	47	1,139	1,186	3	89	92	(c) Out of 165 cases 52 were written off laterly.	
89	5,012	341	5,442	55	4,556	140	11,140	23	...	119	...	78	4,596	4,674	259	11,740	11,399	11	416	427		
2	521	43	566	2	444	1	1,090	2	...	3	...	2	444	446	4	1,090	1,094	...	77	77		
2	260	11	273	1	231	11	667	...	...	...	...	1	232	233	11	668	679	1	28	29	* Written off.	
...	139	12	151	...	127	...	316	...	...	...	...	...	127	127	...	316	316	...	12	12		
4	576	17	597	3	530	8	1,939	...	...	...	...	3	530	533	8	1,939	1,947	1	46	47		
...	492	14	506	...	455	...	1,582	...	...	...	...	...	455	455	...	1,582	1,582	...	37	37		
9	312	10	331	8	293	21	780	...	...	...	...	8	293	301	21	780	801	1	19	20		
22	312	6	340	14	251	26	608	1	†3	26	22	15	254	269	52	630	682	7	58	65	† Withdrawn.	
17	559	21	597	11	472	22	1,568	4	2	7	3	15	474	489	29	1,571	1,600	2	85	87		
16	3,171	134	3,361	38	2,803	89	8,550	6	6	36	26	44	2,809	2,853	125	8,576	8,701	12	362	374		
1	290	4	295	1	276	2	647	...	...	...	...	1	276	277	2	647	649	...	14	14		
11	609	7	627	5	400	9	2,011	1	(a)5	1	13	6	495	501	10	2,024	2,034	5	114	119	(a) Written off.	
14	515	1	530	14	444	45	1,264	...	...	...	...	14	444	458	45	1,264	1,309	...	71	71		
18	1,695	53	1,766	16	1,500	39	3,369	2	...	8	...	18	1,500	1,518	47	3,369	3,416	...	195	195		
23	667	21	705	13	592	39	3,192	...	...	...	...	13	592	605	39	3,192	3,231	...	75	75		
11	607	27	645	8	499	15	1,739	3	(b)10	8	26	11	509	520	23	1,765	1,788	...	68	95	(b) These cases were let off on warning.	
2	408	16	426	2	408	4	800	...	...	...	...	2	408	410	4	800	804	...	...	...		
70	4,791	133	4,994	59	4,269	153	13,022	6	15	17	39	65	4,224	4,289	170	13,061	13,231	5	567	572		
215	12,974	608	13,797	152	11,608	282	22,712	35	21	172	65	187	11,629	11,816	554	32,777	33,331	28	1,345	1,373		

cases taken into Court.  
Section 67 of the Indian Forest Act, 1878.  
undetected cases.

ANNUAL FORM NO. 14.—[PRESCRIBED].—Area of Forest Tracts protected from fire during the year 1917-18.

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1916-17.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
	<b>NORTHERN CIRCLE.</b>		Acres.	Acres.	Acres.	Acres.	Rs.	
	<i>Systematically fire-protected areas.</i>							
North Mandla.	Mandla Range ... ..	...	17,581	8,317	404	7,913	200	1 Fire.
	Saristal " ... ..	...	787	...	...	...	...	
	Dhanwahi " ... ..	...	48,389	48,404	...	48,404	931	
	Total for Division ... ..	...	67,057	56,721	404	56,317	1,131	Failure 7 per cent.
South Mandla.	Jagrandal Range ... ..	...	35,918	35,984	...	35,984	802	
	Banjar " ... ..	...	62,408	62,512	94	62,418	1,251	1 Fire.
	Motinala " ... ..	...	85,836	86,114	238	85,876	1,828	2 Fires.
	Karanjia " ... ..	...	68,524	68,629	...	68,629	850	
Total for Division ... ..	...	252,686	253,239	332	252,907	4,731	Failure 13 per cent.	
Jubbulpore-Narsinghpur.	Murwara Range ... ..	...	38,865	38,865	...	38,865	1,040	
	Sihora " ... ..	...	9,131	10,235	...	10,235	423	
	Jubbulpore " ... ..	...	36,837	36,858	...	36,858	886	
	Bargi " ... ..	...	4,758	4,770	...	4,770	295	
	Bachai " ... ..	...	25,889	26,369	3,652	22,717	709	8 Fires.
	Richai " ... ..	...	5,921	6,248	...	6,248	242	
	Khairi " ... ..	...	40,513	40,513	430	40,083	374	2 Fires.
Total for Division ... ..	...	161,914	163,858	4,082	159,776	3,969	Failure 2.49 per cent.	
Damoh	Fatehpur Range ... ..	...	120,861	66,765	2,108	64,657	1,336	6 Fires.
	Damoh " ... ..	...	103,590	48,917	1,262	47,655	1,106	8 "
	Tendukhera " ... ..	...	168,376	115,073	7,459	107,614	1,702	18 "
	Sigrampur " ... ..	...	97,623	40,789	669	40,120	754	4 "
Total for Division ... ..	...	490,450	271,544	11,498	260,046	4,898	Failure 4.23 per cent.	
Saugor	Khursi Range ... ..	...	12,011	13,465	...	13,465	236	
	Saugor " ... ..	...	18,688	20,336	45	20,291	739	1 Fire.
	Banda " ... ..	...	17,180	17,413	12,92	16,121	426	6 Fires
	Rehli " ... ..	...	17,009	17,311	513	16,798	348	3 "
	Deori " ... ..	...	20,901	21,007	183	20,824	751	3 "
Total for Division ... ..	...	85,789	80,532	2,033	87,499	2,500	Failure 2.25 per cent.	
Hoshangabad.	Bori Range ... ..	...	170,638	170,638	...	170,638	1,465	
	Sohagpur " ... ..	...	59,646	59,646	...	59,646	1,990	
	Hoshangabad " ... ..	...	53,830	53,834	254	53,580	1,366	1 Fire.
	Seoni " ... ..	...	81,752	81,812	224	81,588	1,040	2 Fires.
	Rahatgaon " ... ..	...	94,843	94,843	...	94,843	1,108	
	Magardha " ... ..	...	86,287	86,287	...	86,287	653	
Total for Division ... ..	...	546,996	547,060	478	546,582	7,622	Failure .08 per cent.	

ANNUAL FORM NO. 14.—[PRESCRIBED].—Area of Forest Tracts protected from fire during the year 1917-18.—(Contd.).

Division.	Forest Tract.	Year in which protection commenced.	Area protected during 1916-17.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
	<b>NORTHERN CIRCLE.—(Contd.)</b>		<b>Acres.</b>	<b>Acres.</b>	<b>Acres.</b>	<b>Acres.</b>	<b>Rs.</b>	
	<i>Systematically fire-protected areas.—(Contd.)</i>							
Seoni	Korai Range	...	87,158	76,318	11	76,307	850	2 Fires.
	Ganginala "	...	82,568	68,304	446	67,158	822	3 "
	Ugli "	...	81,454	21,149	...	21,149	454	
	Chhapara "	...	7,375	2,204	...	2,204	154	
	Dhuma "	...	13,526	1,923	...	1,923	13	
	Nerbudda "	...	41,717	14,553	607	13,946	216	1 Fire.
	Total for Division	...	313,798	184,451	1,064	183,387	2,609	Failure 57 per cent.
Chhindwara	Umreth Range	...	52,535	52,715	8,853	43,862	520	13 Fires.
	Amarwara "	...	33,626	34,002	444	33,558	373	3 "
	Ambara "	...	70,443	71,659	10,876	60,783	420	10 "
	Sillewani "	...	47,687	47,716	104	47,612	602	4 "
	Sank "	...	33,517	33,517	1,103	32,414	176	5 "
	Total for Division	...	237,808	239,609	21,380	218,229	2,091	Failure 8.92 per cent.
	Deduct C. R. S. P.	...	...	...	...	...	478	
Total	...	...	...	...	...	1,613		
Total Northern Circle	...	2,156,498	1,806,014	41,271	1,764,743	29,073	Protected 97.71 per cent.	
	<b>SOUTHERN CIRCLE.</b>							
Balaghat	Sonawani	1899	72,263	72,263	24	72,239	1,414	1 Fire.
	Paraswara	1872	56,878	59,097	3,010	56,087	761	5 Fires.
	Raigarh	1867	67,501	67,514	...	67,514	1,125	
	Dhansua	1889	70,207	68,078	139	67,939	1,154	3 Fires.
	Lanji	1896	34,527	34,801	82	34,719	1,043	2 "
	Baihar	1899	53,005	52,069	2,517	49,552	1,123	4 "
	Total	...	354,381	353,822	5,772	348,050	6,620	Failure 1.63 per cent.
Bhandara	Bawanthari	1894	64,296	54,404	315	54,089	748	3 Fires.
	Gaikhuri	1888	71,738	32,278	121	32,157	1,087	1 Fire.
	Pertabgarh	1874	38,531	14,211	1,880	12,331	504	3 Fires.
	Wainganga	1894	44,138	39,067	528	38,539	583	1 Fire.
	Total	...	218,703	139,960	2,844	137,116	2,922	Failure 2.03 per cent.
Bilaspur	East Lormi	1892	154,125	154,125	209	153,916	1,381	2 Fires.
	West Lormi	1892	126,704	126,704	635	126,068	1,543	4 "
	Kuajathi Pantora	1888	58,943	62,170	15,672	46,798	688	6 "
	Total	...	339,772	343,299	16,517	326,782	3,591	Failure 4.66 per cent.
North Chanda.	Moharli	1873	161,534	156,553	1,803	154,745	2,807	5 Fires.
	Haveli	1891	118,538	115,448	85	115,363	2,764	2 "
	Warora	1894	45,338	40,007	392	39,615	548	4 "
	Gunjewahi	1888	28,916	20,377	...	20,177	369	
	Brahmapuri	1897	6,573	6,573	...	6,573	815	
	Total	...	361,893	338,958	2,225	336,671	7,722	Failure 6.7 per cent.



ANNUAL FORM NO. 14.—[PRESCRIBED].—Area of Forest Tracts protected from fire during the year 1917-18.—(Contd.).

Divison.	Forest Tracts.	Year in which protection commenced.	Area protected during 1916-17.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
			Acres.	Acres.	Acres.	Acres.	Rs.	
	<b>SOUTHERN CIRCLE.</b> <i>—(Concl'd.)</i>							
South Chanda.	Alapilli	1873	72,946	72,946	37	72,909	1,897	1 Fire.
	Ghot	1897	3,104	3,182	...	3,182	22	
	Markhanda	1891	77,565	77,565	...	77,565	984	
	Sironcha	(a) 1897 (b) 1907	97,901	97,901	65	97,836	734	3 Fires. (a) Partial protection. (b) Protection.
	Dhaba	1889	8,260	8,260	275	7,985	300	1 Fire.
	Total	...	259,776	259,854	377	259,477	3,937	Failure 15 per cent.
Nagpur-Wardha.	East Pench	1875	104,372	71,198	512	70,686	1,448	2 Fires.
	West Pench	1878	39,606	26,117	544	25,573	913	2 "
	Kondhali	1894	37,552	33,797	30	33,767	738	1 Fire.
	Umrer	1894	40,079	32,677	242	32,435	911	4 Fires.
	Hingni	1894	42,280	33,653	...	33,653	533	
	Arvi	1880	50,188	42,991	28	42,963	860	2 Fires.
Total	...	314,077	240,433	1,356	239,077	5,403	Failure 56 per cent.	
North-Raipur...	Laon	1889	54,128	54,146	1,160	52,986	1,340	3 Fires.
	Mahasamund	1889	31,369	31,419	1,689	29,730	860	4 "
	Sonakhan	1870	67,564	67,664	23	67,641	817	1 Fire.
	Bilari Ghugwa	1900	1,606	1,606	...	1,606	95	
	Total	...	154,667	154,835	2,872	151,963	3,112	Failure 185 per cent.
South-Raipur...	Dhamtari	1896	54,147	54,174	475	53,699	1,164	3 Fires.
	Singpur	1896	79,534	81,993	534	81,459	803	3 "
	Balod	1896	67,260	67,859	2,424	65,435	838	6 "
	North-Sihawa	1870	111,374	113,275	1,208	112,067	890	2 "
	South-Sihawa	1903	131,017	131,017	...	131,017	1,383	
Total	...	443,332	448,318	4,641	443,677	5,087	Failure 103 per cent.	
Total Southern Circle...			2,446,621	2,279,479	36,664	2,242,815	38,384	Protected 98.39 per cent.

ANNUAL FORM NO. 14.—[PRESCRIBED].—Area of Forest Tracts protected from fire during the year 1917-18.—(Contd.)

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1916-17.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	No. of Fires.	Remarks.
1	2	3	4	5	6	7	8	9	10
			Acres.	Acres.	Acres.	Acres.	Rs.		
	<b>BERAR CIRCLE.</b>								
Melghat	Sembadoh Range ...		77,696	(a) 77,695	...	77,695		...	(a) Corrected as per statement under paragraph 122 of Working Plan Report.
	Chaorakund „ ...		63,877	63,877	8	63,869		1	
	Butrum „ ...	1872	81,584	(a) 81,928	22	81,506		1	
	Khandu „ ...		89,919	(a) 89,936	...	89,936		...	
	Gugamal „ ...	1877	151,961	(b) 138,517	13	138,504	5,756	4	(b) 13,444 acres shown separat under Khatkali Block.
	Chikalda „ ...	1890	34,242	34,242	1	34,241		2	
	Tapti Rescrve ...	1911	26,862	26,862	190	26,672		2	
	Chikli „ ...		8,535	8,535	...	8,535		...	The Dhulghat Range and Khirpani and Chithri Reserves aggregating 180,921 acres were early burnt. Five per cent of this area was accidentally burnt after departmental firing had been stopped.
	Bod „ ...	1913	2,906	2,906	..	2,906		...	
	Motha „ ...		18,533	18,536	...	18,536		...	
Jhapnadeo „ ...	1914	11,005	(c) 10,585	...	10,585		...	(c) 420 acres early burnt.	
Khatkali Block ...	1911	...	(b) 13,444	...	13,444		...		
	Total ...	...	567,570	567,163	234	566,929	6,756	10	Percentage of success 99.9 per cent.
Amraoti	Amraoti Range ...	1881	18,126	(d) 18,382	15	18,367	90	1	(d) 4,815 acres of area shown as successfully protected were burnt departmentally to improve the grass crop.
	Morsi „ ...	1889	19,511	19,511	45	19,466	(e) 256	3	(e) Rs. 28 omitted being the charge of protection of Hattighat Kamna debitable to A-II.
	Total ..	...	37,637	37,893	60	37,833	346	4	Percentage of success 99.8 per cent.
Buldana	Jalgaon Range ..	1893	34,117	...	...	...	37	...	
	Chikhli „ ...	1880	68,764	...	...	...	43	...	
	Purna „ ...	1880	21,480	...	...	...	16	...	
	Mehkar „ ...	1881	28,803	..	...	...	6	...	
	Total ...	...	153,164	...	...	...	102	...	

ANNUAL FORM NO. 14.—[PRESCRIBED].—Area of Forest Tracts protected from fire during the year 1917-18.—(Concl'd.)

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1916-17.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	No. of Fires.	Remarks.
1	2	3	4	5	6	7	8	9	10
	<b>BERAR CIRCLE.—</b> (Concl'd.)		Acres.	Acres.	Acres.	Acres.	Rs.		
Yeotmal	Yeotmal Range	...	36,759	52,285	778	51,507	7	4	
	Darwah "	1882	41,045	68,627	100	68,527	...	1	
	Kelapur "	1881	56,947	90,071	40	90,031	...	1	
	Wun "	1893	26,580	45,136	325	44,810	...	2	
	Pusad "	1880	56,472	90,967	29	90,938	6	3	
	Kinwat "	1881	112,295	117,890	...	117,890	10	...	
	Total	...	330,058	(f)473,976	1,273	472,703	23	11	(f) 21,886 acres of area shown as successfully protected were burnt in May for next supply of grass. Percentage of success 99·7 per cent.
Akola	Pangra Range	1882	44,863	44,863	...	44,863	137	...	
	Morna "	1891	21,711	21,711	...	21,711	91	...	
	Balapur "		34,824	34,824	...	34,824	31	...	
	Murtizapur "	1912	...	...	...	...	10	...	
	Total	...	101,298	(g)101,358	...	101,398	269	...	(g) 11,000 acres out of area shown as successfully protected were burnt departmentally to improve the grass crop. Percentage of success 100 per cent.
Nimar	Khandwa Range	1877	42,007	42,897	2,576	40,321	671	4	
	Punasa "	1875	93,597	93,698	500	92,798	1,005	1	496,929 acres of other forests were early burnt.
	Chandgarh "	1878	88,149	88,149	6,889	81,260	1,309	3	
	Singaji "	1893	44,050	44,170	...	44,170	892	...	240,141 acres out of area shown as successfully protected were burnt departmentally to improve grass crop for Military supply.
	Kalibhit "	1874	66,446	181,487	...	181,487	1,798	...	
	Piplod "	1850	41,238	56,415	7,870	48,545	795	2	
	Chandni "	1893	23,781	24,455	...	24,455	317	...	
	Burhanpur "	...	...	...	...	...	70	...	
Total	...	399,348	521,271	18,235	513,036	6,853	10	Percentage of success 97 per cent.	
Betul	Ranipur Range	1850	53,833	53,840	1,557	52,283	583	6	
	Bhawargarh "	1875	79,892	58,794	314	58,480	890	1	
	Saonligarh "		68,986	69,396	...	69,096	956	...	
	Tapti "	...	77,279	77,279	1,807	75,472	1,029	1	
	Dabka "	1857	...	...	...	...	...	...	Early burnt.
	Sawalmandha "	1858	...	...	...	...	...	...	Do.
	Asir "	1901	83,480	5,480	...	5,480	550	...	Do. balance.
Total	...	353,470	264,789	3,701	261,088	4,023	8	Percentage of success 98·5 per cent.	
Total Berar Circle	...	1,952,685	1,976,450	23,503	1,952,947	15,405	43	* Rs. 28 included in Amraoti Division.	
TOTAL CENTRAL PROVINCES AND BERAR.			6,555,804	6,661,983	101,438	5,950,545	85,863	234	

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ANNUAL FORM No. 15.

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Division or Circle.	(A) Fires caused by accident or through carelessness in burning fire-lines.		(B) Fires entering the forests by crossing exterior fire-traces.		(C) Fires beginning inside the							
					Owing to carelessness or accident.							
					By workmen employed in the forests, by purchasers of forest-produce and by Ya cutters.		By villagers, travellers, etc., passing through the forests.		By railway engines.		By lightning or by fire balloons.	
	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>NORTHERN CIRCLE.</b>												
North-Mandla	...	...	1	404	...	...	...	...	...	...	...	...
South-Mandla	...	...	2	238	...	...	1	94	...	...	...	...
Jubbulpore-Narsinghpur	...	...	1	698	1	53	...	...	...	...	...	...
Damoh	6	1,052	3	1,438	5	387	1	389	2	66	...	...
Saugor	1	7	1	20	...	...	...	...	...	...	...	...
Hoshangabad	1	40	...	...	1	184	...	...	1	254	...	...
Seoni	...	...	...	...	...	...	1	408	...	...	...	...
Chhindwara	1	292	...	...	...	...	...	...	2	696	...	...
Total Northern Circle.	9	1,391	8	2,798	7	624	3	891	5	1,016	...	...
<b>SOUTHERN CIRCLE.</b>												
Balaghat	2	277	6	503	...	...	3	30	...	...	...	...
Bhandara	1	121	1	170	...	...	...	...	...	...	...	...
Bilaspur	3	432	...	...	...	...	2	114	...	...	...	...
North-Chanda	4	1,161	3	91	...	...	...	...	...	...	1	130
South-Chanda	1	53	1	37	...	...	1	6	...	...	...	...
Nagpur-Wardha	1	28	2	526	...	...	4	254	...	...	...	...
North-Raipur	2	65	3	434	1	1,500	...	...	...	...	...	...
South-Raipur	2	172	1	40	...	...	...	...	...	...	...	...
Total Southern Circle	16	2,309	17	1,801	1	1,500	10	404	...	...	1	130
<b>BERAR CIRCLE.</b>												
Melghat	...	...	...	...	2	1	...	...	...	...	8	233
Amraoti	...	...	...	...	...	...	...	...	...	...	...	...
Buldana	...	...	...	...	...	...	...	...	...	...	...	...
Yeotmal	...	...	1	100	1	75	3	280	...	...	...	...
Akola	...	...	...	...	...	...	...	...	...	...	...	...
Nimar	2	8,710	3	9,193	...	...	4	313	1	19	...	...
Betul	...	...	1	960	...	...	2	1,880	2	43	...	...
Total Berar Circle	2	8,710	5	10,253	3	76	9	2,473	3	62	8	233
TOTAL CENTRAL PROVINCES AND BERAR.	27	12,410	30	14,852	11	2,200	22	3,768	8	1,078	9	363

Forest Fires, 1917-18.

Reserve or fire-traced area.											
By intentional firing.						Total.		Causes unknown.		Total (A), (B) and (C)	
In order to obtain new grass.		In order to turn out game or to reduce cover.		Maliciously fired.							
No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.	No. of fires.	Area burnt, in acres.
14	15	16	17	18	19	20	21	22	23	24	25
1	...	...	...	...	...	...	...	..	...	1	404
...	...	...	...	...	...	1	91	...	...	3	332
...	...	...	...	...	...	1	53	8	3,331	10	4,082
...	...	...	...	...	...	8	842	19	8,166	36	11,498
...	...	...	...	...	...	...	...	11	2,006	13	2,033
...	...	...	...	...	...	2	438	...	...	3	478
...	...	...	...	...	...	1	408	5	656	6	1,064
...	...	...	...	...	...	2	696	32	20,392	35	21,380
...	...	...	...	...	...	15	2,531	75	34,551	107	41,271
...	...	...	...	...	...	3	30	4	4,962	15	5,772
...	...	...	...	...	...	...	...	6	2,553	8	2,844
...	...	...	...	...	...	2	114	7	15,971	12	16,517
...	...	...	...	...	...	1	130	3	903	11	2,285
...	...	...	...	...	...	1	6	2	291	5	377
...	...	...	...	...	...	4	254	4	548	11	1,356
...	...	...	...	...	...	1	1,500	2	873	8	2,872
...	...	...	...	2	736	2	736	9	3,693	14	4,641
...	...	...	...	2	736	14	2,770	37	29,784	84	36,664
...	...	...	...	...	...	10	234	...	...	10	234
...	...	...	...	...	...	...	...	4	60	4	60
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	4	355	6	818	11	1,273
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	5	332	...	...	10	18,235
...	...	...	...	...	...	4	1,923	3	818	8	3,701
...	...	...	...	...	...	23	2,844	13	1,696	43	23,593
...	...	...	...	2	736	52	8,145	125	66,031	234	101,438

FORM NO. 16.—Area closed and open to grazing during 1917-18.

Division.	Closed to all animals.		Open to grazing.			
			Of all animals.		Of all animals except browsers (camels, sheep and goats).	
	Whole year.	Part of year.	Whole year.	Part of year.	Whole year.	Part of year.
1	2	3	4	5	6	7
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
<b>NORTHERN CIRCLE.</b>						
North-Mandla	27	...	611	...	148	...
South-Mandla	257	...	904	...	...	...
Jubbulpore-Narsinghpur	73	...	2	...	515	...
Damoh	93	...	699	...	...	...
Saugor	162	...	187	...	460	...
Hoshangabad	151'47	...	799'53	...	...	...
Seoni	91	...	...	...	722	...
Chhindwara	111	...	...	...	553	...
Total	965'47	...	3,202'53	...	2,338	...
<b>SOUTHERN CIRCLE.</b>						
<i>A Class.</i>						
Balaghat	241	...	64	...	674	...
Bhandara	175	...	...	...	349	...
Bilaspur	75	...	...	...	470	...
North-Chanda	384	...	42	...	686	...
South-Chanda	160	...	24	...	757	...
Nagpur-Wardha	201	...	...	...	514	...
North-Raipur	215	...	...	...	300	...
South-Raipur	167	...	...	...	826	...
<i>B Class.</i>						
Bhandara	...	...	...	...	9	...
North-Chanda	...	...	269	...	...	...
South-Chanda	...	...	335	...	...	...
Total Southern Circle	1,627	...	734	...	4,585	...
<b>BERAR CIRCLE.</b>						
<i>STATE FORESTS, CLASS A.</i>						
Melghat	205	...	318	...	(a)646	...
Amraoti	11	34	...	...	38	...
Buldana	40	4	...	...	207	...
Yeotmal	45	104	...	...	628	...
Akola	20	51	...	...	144	...
Total	321	193	318	...	1,663	...
<i>STATE FORESTS, CLASS C.</i>						
Melghat	...	...	7	...	...	...
Amraoti	...	...	139	...	...	...
Buldana	...	...	179	...	...	...
Yeotmal	...	...	395	...	...	...
Akola	...	...	107	...	...	...
Total	...	...	827	...	...	...
Total for Berar Division	321	193	1,145	...	1,663	...
<i>Class A.</i>						
Nimar	174	...	...	...	1,512	...
Betul	81	...	...	...	1,099	...
Total	255	...	...	...	2,611	...
<i>Class B-I.</i>						
Betul	...	...	9	...	...	...
Total for Nimar and Betul	255	...	9	...	2,611	...
Total Berar Circle	576	193	1,154	...	4,274	...
GRAND TOTAL CENTRAL PROVINCES AND BERAR.	3,163	193	5,091	...	11,197	...

(s) Buffaloes also excluded under W. Plan.

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ANNUAL FORM No. 17.

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FORM NO. 17.—Return of grazing in the

Division.	Grazing on payment. Number of Animals.														
	At full rates.						At privileged rates (including ordinary rates.)						Fees received.		
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.			
												Actual.	Vale at full rates.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
						Rs.						Rs.	Rs.		
<b>NORTHERN CIRCLE.</b>															
North-Mandla ...	12,217	21,685	2,307	...	245	23,095	8,927	83,327	920	...	...	14,874	50,763		
South-Mandia ...	11,004	31,581	1,665	...	124	27,157	6,598	71,348	550	...	...	12,145	42,375		
Jubbulpore-Narsinghpur ...	3,705	12,371	570	...	352	14,065	5,045	61,344	...	...	...	14,782	57,468		
Damoh ...	19,732	29,512	16,937	...	19	41,956	9,120	110,992	...	...	...	24,651	78,490		
Sougar ...	21,432	32,166	6,807	...	83	42,919	9,985	118,536	...	...	...	25,206	84,070		
Hoshangabad ...	3,572	10,994	921	...	100	14,235	1,491	43,517	...	...	...	7,853	30,180		
Seoni ...	15,873	41,689	67	...	23	42,079	8,532	117,125	...	...	...	28,831	82,759		
Chhindwara ...	6,482	26,532	344	...	171	39,753	3,955	100,650	...	...	...	25,622	1,08,560		
Total ...	94,667	206,531	29,588	...	1,117	2,46,163	53,653	714,839	1,470	...	...	1,53,964	5,34,665		
<b>SOUTHERN CIRCLE.</b>															
												NOTE.—Annual transit licenses ...			
												Monthly	do.	do.	...
Balaghat ...	4,103	18,148	465	...	137	20,022	2,945	50,307	...	...	...	9,809	42,148		
Bhandara ...	721	3,344	...	...	...	4,786	2,597	47,542	...	...	...	9,949	52,736		
Bilaspur ...	1,031	2,343	5	...	19	2,329	2,272	16,389	...	...	...	3,758	18,810		
North-Chanda ...	4,662	18,854	35,900	...	...	26,553	9,725	126,065	...	...	...	25,904	1,09,137		
South-Chanda ...	5,260	11,362	34,538	...	...	22,364	6,217	62,710	...	...	...	13,628	61,745		
Nagpur-Wardha ...	6,294	14,058	...	...	6	25,913	535	66,527	...	...	...	14,312	67,697		
North-Raipur ...	3,170	8,826	49	...	..	7,595	4,182	26,691	143	...	...	5,925	17,564		
South-Raipur ...	1,752	11,155	...	...	...	7,330	5,405	53,230	...	...	...	10,700	32,020		
Total Southern Circle ...	26,993	88,090	70,957	...	162	1,16,892	33,878	449,551	143	...	...	93,985	4,01,857		

\*Included grazing of the following

Buffaloes ...  
Cows and bulls ...  
Total ...

State Forests during the year 1917-18.

Grazing free. Number of Animals.													
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.
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.		
15	16	17	18	19	20	21	22	23	24	25	26	27	28
					Rs.						Rs.	Rs.	Rs.
...	...	...	...	...	...	...	3,477	...	...	...	1,739	1,739	76,495
...	...	...	...	...	...	...	2,793	...	...	...	1,396	1,396	70,928
...	...	...	...	...	...	...	479	...	...	...	315	315	71,848
...	...	...	...	...	...	...	46	...	...	...	29	29	1,20,475
...	...	...	...	...	...	...	...	...	...	...	...	...	1,26,989
...	...	...	...	...	...	*559	*16,006	133	..	...	11,147	11,147	55,565
...	...	...	...	...	...	...	529	...	...	...	331	331	1,25,169
...	...	...	...	...	...	...	...	...	...	...	...	...	1,48,313
...	...	...	...	...	...	559	23,330	133	...	...	14,957	14,957	7,95,785
1,362	23,296	125	...	1,722	20,937								
54,002	87,109	84,909	...	5,380	14,482								
...	...	...	...	...	...	...	4,165	...	...	...	3,124	3,124	65,204
...	...	...	...	...	...	...	...	...	...	...	...	...	57,522
...	...	...	...	...	...	65	823	16	...	...	577	577	21,716
...	...	...	...	...	...	142	967	55	...	...	948	948	1,36,638
...	...	...	...	...	...	174	2,665	45	...	1	1,062	1,062	85,171
...	...	...	...	...	...	5	327	...	...	...	337	337	93,947
...	...	...	...	...	...	82	2,149	...	...	...	1,157	1,157	26,316
...	...	...	...	...	...	16	2,394	...	...	...	1,213	1,213	40,563
...	...	...	...	...	...	484	13,490	116	...	1	8,418	8,418	5,27,167

animals due to scarcity—

Rs.  
433—806  
7,920—4,950  
5,756

FORM NO. 17.—Return of grazing in the

Division.	Grazing on payment. Number of Animals.												
	At full rates.						At privileged rates (including ordinary rates).						
	Buffaloes.	Cows and bullocks.	Goats and sheep.	Ca-mels.	Other ani-mals.	Fees received.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Ca-mels.	Other ani-mals.	Fees received.	
												Actual	Value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>BERAR CIRCLE.</b>						Rs.						Rs.	Rs.
												STATE FORESTS,	
Melghat	1,866	18,521	1,108	...	30	20,956	2,095	8,897	1,493	...	270	5,683	12,427
Amraoti	653	18,114	...	...	...	27,145	...	...	...	...	...	...	...
Buldana	1,707	56,137	...	...	16	46,982	...	...	...	...	...	...	...
Yeotmal	6,841	89,977	...	...	...	93,567	...	28,050	...	...	...	16,525	28,139
Akola	644	60,808	...	...	...	25,434	...	...	...	...	...	...	...
<b>Total</b>	<b>11,711</b>	<b>243,557</b>	<b>1,108</b>	<b>...</b>	<b>46</b>	<b>2,14,084</b>	<b>2,095</b>	<b>36,947</b>	<b>1,493</b>	<b>...</b>	<b>270</b>	<b>22,208</b>	<b>40,566</b>
												STATE FORESTS,	
Amraoti	22,243	33,042	45,992	...	772	48,367	...	43,575	...	...	...	10,414	21,786
Buldana	17,494	30,153	84,710	2	234	42,862	...	40,987	...	...	...	7,685	20,494
Yeotmal	61,732	116,193	100,600	61	729	1,31,582	...	88,772	...	...	...	16,645	44,588
Akola	17,117	70,276	22,946	...	42	52,673	...	54,500	...	...	...	10,219	27,250
<b>Total</b>	<b>118,586</b>	<b>249,664</b>	<b>254,248</b>	<b>63</b>	<b>1,777</b>	<b>2,75,484</b>	<b>...</b>	<b>227,834</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>44,963</b>	<b>1,13,918</b>
<b>Total Berar proper</b>	<b>130,297</b>	<b>493,221</b>	<b>255,356</b>	<b>63</b>	<b>1,823</b>	<b>4,89,568</b>	<b>2,095</b>	<b>264,781</b>	<b>1,493</b>	<b>...</b>	<b>270</b>	<b>67,171</b>	<b>1,54,484</b>
												STATE FORESTS,	
Nimar	16,324	29,140	...	...	3	63,243	10,824	91,577	4	...	8	29,765	1,13,233
Betul	12,101	32,705	66	...	39	46,124	2,673	62,600	...	...	31	10,278	52,793
<b>Total</b>	<b>28,425</b>	<b>61,845</b>	<b>66</b>	<b>...</b>	<b>42</b>	<b>1,09,367</b>	<b>13,497</b>	<b>154,177</b>	<b>4</b>	<b>...</b>	<b>39</b>	<b>40,043</b>	<b>1,66,026</b>
<b>Total Berar Circle</b>	<b>1,58,722</b>	<b>555,066</b>	<b>255,422</b>	<b>63</b>	<b>1,865</b>	<b>5,98,935</b>	<b>15,592</b>	<b>418,958</b>	<b>1,497</b>	<b>...</b>	<b>309</b>	<b>1,07,214</b>	<b>3,20,510</b>
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR.</b>	<b>279,782</b>	<b>8,49,687</b>	<b>3,55,967</b>	<b>63</b>	<b>3,144</b>	<b>9,61,990</b>	<b>1,03,123</b>	<b>15,83,358</b>	<b>3,110</b>	<b>...</b>	<b>309</b>	<b>3,55,163</b>	<b>12,57,032</b>

NOTE.—The following cattle

Transit cattle ...  
 Nomadic sheep and goats ...  
 Fees recovered for grazing of buffaloes in Ryotwari waste, Melghat, Appendix I, paragraph 26 of Working Plan.

Total ...

State Forests during the year 1917-18.—(Concl'd.)

Crazing fee. Number of Animals.													Grand total of value at full rates.
By right under Settlement.						During pleasure of Government, or otherwise than under Settlement.						Total value of fees at full rates.	
Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.	Buffaloes.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Value of fees at full rates.		
15	16	17	18	19	20	21	22	23	24	25	26	27	28
					Rs.						Rs.	Rs.	Rs.
<b>CLASS A.</b>													
...	...	...	...	...	...	...	15,228	...	...	...	12,148	12,148	45,531
...	...	...	...	...	...	10	589	...	...	...	646	646	27,791
...	...	...	...	...	...	7	956	...	...	...	991	991	47,973
...	250	...	...	...	266	...	1,427	...	...	...	981	1,247	1,22,953
...	125	...	...	...	109	12	302	...	...	3	287	396	25,830
...	375	...	...	...	375	29	18,502	...	...	3	15,053	15,428	2,70,078
<b>CLASS C.</b>													
...	...	...	...	...	...	...	35,630	...	...	...	17,815	17,815	87,968
...	...	...	...	...	...	9	31,203	27	...	...	15,613	15,613	78,969
...	...	...	...	...	...	...	82,754	...	...	...	41,379	41,379	2,17,349
...	...	...	...	...	...	...	38,362	...	...	...	19,181	19,181	99,104
...	...	...	...	...	...	9	187,949	27	...	...	93,988	93,988	4,83,390
...	375	...	...	...	375	38	206,451	27	...	3	1,09,041	1,09,416	7,53,468
<b>CLASS A.</b>													
...	...	...	...	...	...	52	5,566	100	...	52	5,734	5,734	1,82,210
...	...	...	...	...	...	68	4,901	146	...	49	4,267	4,267	1,03,184
...	...	...	...	...	...	120	10,467	246	...	101	10,001	10,001	2,85,394
...	375	...	...	...	375	158	216,918	273	...	104	1,19,042	1,19,417	10,38,862
...	375	...	...	...	375	1,201	253,738	522	...	105	1,42,417	1,42,792	23,61,814

are excluded:—

No.	Revenue.
	Rs.
60,573	8,875
3,050	1,515
2,010	1,507

65,633

11,897

action during the Forest year 1917-18.—(Concl.)

Spenditure during the year.	Total expenditure from commencement.		Revenue during the year.	Kind of plantation.	Area in acres.				Expenditure during the year.		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.	Remarks.				
	Up-keep.	Creation.			Up-keep.	On 1st July 1917.	Added during the year.	Excluded during the year.	Area on 30th June 1918.	Creation.	Up-keep.	Creation.				Up-keep.			
8	9	10	11	12	3	4	5	6	7	8	9	10	11	12	13				
Rs.	Rs.	Rs.	Rs.						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.					
30	...	85	46	...	<b>BERAR CIRCLE.</b>														
6	...	2,094	409	...	<b>REGULAR.</b>														
...	...	827	192	...	...	55	49	...	104	30	600	(a) 1,776	(a) 5,928	544	7,648	(a) Rs. 1,201 on creation and Rs. 3,020 on upkeep added due to plantations of 37 acres transferred from various to regular.			
...	...	...	...	...	...	...	347	...	342	...	...	599	(b) 25	(b) ...	...		...		
...	...	...	...	...	...	55	291	...	446	50	600	2,375	5,953	544	7,648				
...	...	81	...	...	<b>TAUNGYA.</b>														
...	...	17	86	...	...	1,648	68	250	1,460	...	...	1,019	469	...	...	(c) Rs. 420 represents the amount spent on thinning for the natural development of crops and Rs. 130 on thinning in fighting damage by grubs.			
...	...	14	...	...	...	680	180	140	720	...	...	3,047	304	...	...				
24	...	24	...	...	...	2,175	132	...	2,307	...	(c) 550	1,742	2,276	...	...				
...	...	...	36	...	...	180	...	...	180	...	...	...	...	...	...	...			
...	...	...	36	...	...	1,728	189	...	1,917	...	...	1,425	135	...	554	...			
...	...	...	4	...	...	6,411	569	396	6,384	...	550	8,133	3,184	...	554	...			
...	...	...	15	...	<b>FORMS OF ARTIFICIAL REPRODUCTION.</b>														
60	18	2,542	809	...	...	6	...	6	...	(f) ...	(f) ...	(e) ...	(e) ...	...	...	(d) Cost of creation Rs. 422 and upkeep (Rs. 86 omitted from columns 9 and 10 as teak and sandal sowings proved failure.			
...	...	...	...	...	...	451	...	...	451	...	...	879	635	...	...				
81	40	100	183	...	...	(d) 12	24	12	24	(g) 215	...	(d) 215	(d) ...	...	...	(e) Cost of creation Rs. 26 and upkeep Rs. 581 omitted.			
65	21	92	21	...	...	445	...	...	445	...	...	301	401	...	...				
...	...	29	...	...	...	...	...	...	...	...	...	111	39	...	...	(f) Excludes Rs. 395 on collection of seed and transplanting, &c.			
...	...	...	39	...	...	...	...	...	...	...	...	220	150	...	...				
...	57	Not known.	...	...	...	...	...	...	...	...	...	...	...	...	...	(g) Excludes Rs. 10 spent on seed of larwar.			
789	...	789	...	...	...	694	140	...	834	60	119	783	2,425	...	...				
2	30	74	103	...	...	1,524	230	...	1,824	83	...	210	79	...	...				
...	24	59	99	...	...	...	...	...	...	...	...	8	2	...	...				
...	...	...	...	...	...	...	...	...	...	16	...	16	...	...	...				
937	173	1,143	375	...	...	A. G. 534	A. G. 21	A. G. 459	A. G. 6	A. G. 1	A. G. 1	321	26	435	326	2,576	2,111	...	
...	...	...	...	...	...	75	32	1	37	70	700	784	(a) 1,934	(a) 3,887	18	18			
...	...	...	...	...	...	...	50	...	50	203	...	(b) 203	(b) ...	...	...				
...	...	24	...	...	...	...	...	...	...	...	...	9	...	...	...				
33	9	2,047	280	...	...	1	...	...	1	...	46	111	645	48	267				
...	...	...	...	...	...	A. G. 3,814	A. G. 21	A. G. 934	A. G. 6	A. G. 56	A. G. 1	4,622	26	1,712	1,277	7,607	10,385	66	285
...	...	...	...	...	...	10,280	21	1,894	6	452	1	11,722	25	(f) 1,747	(f) 2,427	18,115	19,522	610	7,933
970	181	3,214	655	...	...	A. G. 11,409	A. G. 21	A. G. 2850	A. G. 6	A. G. 46	A. G. 1	13,194	25	1,232	2,626	23,871	20,986	610	8,553

ions are defined in the memorandum app... plantings, weeding, thinning, filling up blanks, etc. Cultural operations are defined in the memorandum appended to Circular No. 16-F, dated the

1st year 1917-18.

PRESCRIBED.]—Artificial Reproduction during the For

Division.	Kind of plantation.	Area in acres.				Expenditure during the year.		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.	Remarks.	
		On 1st July 1917.	Added during the year.	Excluded during the year.	Area on 30th June 1918.	Creation.	Up-keep.	Creation.	Up-keep.				
1	2	3	4	5	6	7	8	9	10	11	12	13	
						Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
<b>NORTHERN CIRCLE.</b>													
<b>REGULAR PLANTATION.</b>													
Damoh	Digging and sowing bamboos in certain blocks.	273*	3	—	28	30	—	85	46	—	—	*The correct area is 37½ and not 28 as shown in last year's form.	
Saugor	Bamboo plantations, maintenance and watering nursery and digging pits for plantations.	103	—	—	103	6	—	2,094	409	—	620		
Seoni	Teak	362	—	—	362	—	—	227	192	—	—		
	Sandal plantations	3	—	—	3	—	—			—	—		—
<b>OTHER FORMS OF ARTIFICIAL REPRODUCTION.</b>													
Saugor	Weeding Anjan plantation in Mohli block.	90	—	—	90	—	—	81	—	—	—		Columns 5—6 cannot be filled in as the operations are not in particular areas.
	Watering and fencing bamboo seedlings in Mundra and Jalandhar Felling Series.	1	—	—	1	—	—	17	86	—	—		
	Experimental bamboo plantings in Jalandhar Felling Series.	30	—	—	30	—	—	14	—	—	—		
Hoshangabad	Sowing seeds of Cassia Auriculata.	—	6	—	6	24	—	24	—	—	—		
Seoni	Thinning in existing teak plantations.	—	—	—	—	—	—	—	36	—	—		
	Filling up gap in existing teak plantation.	—	—	—	—	—	3	—	4	—	—		
	Fencing compound of teak plantation.	—	—	—	—	—	—	—	15	—	—		
	Sowing seeds of bamboos	—	—	—	—	—	—	—	5	—	—		
	Digging pits and sowing seeds of Cassia Auriculata.	—	—	—	—	—	16	—	16	—	620		
<b>Total Northern Circle</b>		616½	6½	—	623	60	18	2,542	809	—	—	Rs. 52 were also spent towards the cost of the seed not sown during the year.	
<b>SOUTHERN CIRCLE.</b>													
<b>REGULAR.</b>													
Balaghat	Sowings of Chir Pine	10	3	3	10	81	40	100	183	—	—	Old plantation brought on form.	
	Do. Pinus Khasya	6	—	—	6	65	21	92	21	—	—		
	Do. Sal	10	—	—	10	—	—	22	—	—	—		
North-Chanda	Sandal plantation	156	—	—	156	—	—	—	39	—	—		
South-Chanda	Do.	—	4	—	4	—	57	Not known.	—	—	—		
	Tarwar plantation in Plots I to VII in Dhaba Range.	—	243	—	243	789	—	789	—	—	—		
South-Rajpur	Bamboo plantation	7	—	—	7	3	20	74	103	—	—		
	Teak plantation	23	—	—	23	—	24	59	99	—	—		
<b>Total regular plantation</b>		212	250	3	465	937	172	1,143	375	—	—		
<b>OTHER FORMS OF ARTIFICIAL REPRODUCTION NOT INCLUDED IN SUB-SECTION (a).</b>													
Nagpur-Wardha	Sowings of Sandal	31	—	11	30	—	—	24	—	—	—		
	Do. teak, etc., and bamboos	270	—	—	270	33	9	2,047	280	—	—		
	<b>Total other forms of artificial reproduction not included in Sub-Section (a).</b>	301	—	11	290	33	9	2,071	280	—	—		
<b>Total Southern Circle</b>		513	250	14	819	970	181	3,214	655	—	—	led to Circular No. 16-F., dated the	

Note.—Upkeep includes cleanings, weeding, thinning, filling up blanks, etc. Cultural operations are defined in the memorandum appended 5th August 1904.

FORM NO. 18.—[PRESCRIBED.]—Artificial Reproduction during the Forest year 1917-18.—(Concl.)

Division.	Kind of plantation.	Area in acres.				Expenditure during the year.		Total expenditure from commencement.		Revenue during the year.	Total revenue from date of creation of plantation.	Remarks.
		On 1st July 1917.	Added during the year.	Excluded during the year.	Area on 30th June 1918.	Creation.	Up-keep.	Creation.	Up-keep.			
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>BERAR CIRCLE.</b>												
<b>REGULAR.</b>												
Akola	Bamboo plantations	55	49	...	104	30	600	(a) 1,776	(a) 5,925	544	7,648	(a) Rs. 1,301 on creation and Rs. 3,020 on upkeep added due to plantations of 37 acres transferred from various to regular.
	Sandal plantation	...	342	...	342	...	...	599 (b)	25 (b)	...	...	
	<b>Total regular plantations</b>	<b>55</b>	<b>391</b>	<b>...</b>	<b>446</b>	<b>30</b>	<b>600</b>	<b>2,375</b>	<b>5,953</b>	<b>544</b>	<b>7,648</b>	
<b>TAUNGYA.</b>												
Amraoti	Babul sowings	1,648	68	256	1,460	...	...	1,019	469	...	...	(c) Rs. 420 represents the amount spent on thinning for the natural development of crops and Rs. 130 on thinning in fighting damage by grubs.
	Miscellaneous species	680	180	140	720	...	...	3,947	304	...	...	
Buldana	Babul sowings	2,175	132	...	2,307	...	(c) 550	1,742	2,276	...	...	
Yeetmal	Teak sowings	180	...	...	180	...	...	...	...	...	...	
Akola	Babul sowings	1,728	189	...	1,917	...	...	1,425	135	...	554	
	<b>Total Taungya</b>	<b>6,411</b>	<b>569</b>	<b>396</b>	<b>6,584</b>	<b>...</b>	<b>550</b>	<b>8,133</b>	<b>3,184</b>	<b>...</b>	<b>554</b>	
<b>OTHER FORMS OF ARTIFICIAL REPRODUCTION.</b>												
Melghat	Miscellaneous	6	...	6	...	(f) ...	(f) ...	(e) ...	(e) ...	...	...	(d) Cost of creation Rs. 422 and upkeep (Rs. 86 omitted from columns 9 and 10 as teak and sandal sowings proved failure.
Amraoti	Babul sowings	451	...	...	451	...	...	879	635	...	...	
	Experimental sowing of miscellaneous and mango plantation.	(d) 12	24	12	24	(g) 215	...	(d) 215	(a) ...	...	...	(e) Cost of creation Rs. 26 and upkeep Rs. 581 omitted.
	Teak sowings	445	...	...	445	...	...	301	401	...	...	(f) Excludes Rs. 305 on collection of seed and transplang, &c.
	Nim seedlings	2	...	...	2	...	...	31	13	...	...	
	Anjan sowings	...	...	...	...	...	2	111	39	...	...	
	Bamboo sowing ( <i>Dendro calamus strictus</i> ).	...	...	...	...	...	...	220	150	...	...	
Buldana	Bamboo planting	694	140	...	834	60	119	783	2,425	...	...	(g) Excludes Rs. 10 spent on seed of Larwar.
	Sandal seed sowing	1,574	230	...	1,824	83	...	210	79	...	...	
	Catalpa sowing in the compound of District Forest Officer's bungalow.	...	...	...	...	...	...	8	2	...	...	
	Tarwad sowing	...	...	...	...	16	...	16	...	...	...	
Yeetmal	Experimental sowing of bamboos	A. G. 534 21	A. G. 453 6	A. G. 1 1	A. G. 321 26	435	326	2,576	2,111	...	...	
	Various bamboo plantations	75	32	37	70	700	784	(a) 1,934	(a) 3,887	18	18	
Akola	Sandal sowing	...	50	...	50	303	...	(b) 203	(b) ...	...	...	
	Lac planting	...	...	...	...	...	...	9	...	...	...	
Nimar	Garden of fruit trees and vegetables containing teak and bamboos.	1	...	...	1	...	46	111	643	48	267	
	<b>Total other forms of artificial reproduction.</b>	<b>A. G. 3,814 21</b>	<b>A. G. 934 6</b>	<b>A. G. 50 1</b>	<b>A. G. 4,632 26</b>	<b>1,712</b>	<b>1,277</b>	<b>7,607</b>	<b>10,385</b>	<b>66</b>	<b>285</b>	
	<b>GRAND TOTAL BERAR CIRCLE</b>	<b>10,280 21</b>	<b>7,894 6</b>	<b>452 1</b>	<b>11,722 26</b>	<b>(f) 1,741</b>	<b>(f) 2,427</b>	<b>18,115</b>	<b>19,522</b>	<b>610</b>	<b>7,933</b>	
	<b>GRAND TOTAL, CENTRAL PROVINCES AND BERAR.</b>	<b>A. G. 11,409 21</b>	<b>A. G. 2,850 6</b>	<b>A. G. 406 1</b>	<b>A. G. 13,194 26</b>	<b>1,234</b>	<b>2,686</b>	<b>23,871</b>	<b>20,936</b>	<b>610</b>	<b>8,553</b>	

NOTE.—Upkeep includes cleanings, weeding, thinning, filling up blanks, etc. Cultural operations are defined in the memorandum appended to Circular No. 16-F, dated the 5th August 1904.

FORM NO. 19.—[PRESCRIBED.]—*Outturn (in thousands of cubic feet, solid) of*

Division.	Timber in the rough; Logs.					Timber in the rough; Poles.					Sawn or square Timber.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.
<b>NORTHERN CIRCLE.</b>															
North-Mandla	...	204	...	...	204	39	231	14	...	284	...	...	...	...	...
South-Mandla	5	5	...	...	10	13	254	8	...	275	...	64	...	...	64
Jubbulpore-Narsinghpur	6	113	...	...	119	50	177	4	...	231	...	...	...	...	...
Damoh	...	...	...	...	...	5	221	...	...	226	...	...	...	...	...
Saugor	...	...	...	...	...	86	143	1	...	230	...	...	...	...	...
Hoshangabad	1	116	...	...	117	118	61	5	...	184	...	141	...	...	142
Seoni	29	213	3	...	245	18	55	7	...	80	...	...	...	...	...
Chhindwara	1456	12	93	...	1560	2376	24056	417	...	26849	...	...	...	...	...
Total	5556	55113	392	...	61060	35876	1,38256	4317	...	1,77849	...	205	...	...	205
<b>SOUTHERN CIRCLE.</b>															
Balaghat	...	58	...	...	58	2	170	12	...	184	1	55	...	...	56
Bhandara	1	33	...	...	33	21	1,015	...	...	1,036	...	...	...	...	...
Bilaspur	7	116	...	...	117	11	202	4	...	217	...	25	...	...	25
North-Chanda	8	11	...	...	19	19	552	12	...	613	...	...	...	...	...
South-Chanda	82	241	6	...	329	41	109	18	...	168	5	1	...	...	6
Nagpur-Wardha	3	...	...	...	3	9	275	...	...	284	...	...	...	...	...
North-Raipur	13	71	16	...	100	12	144	13	...	169	...	...	...	...	...
South-Raipur	93	518	...	...	611	2	563	7	...	973	1	19	...	...	20
Total	201	1,047	23	...	1,270	117	3,460	66	...	3,643	7	100	...	...	107

Charcoal should be shown by its equivalent in fuel, the quantity in the "Remarks" column of this form it should be shown which of the figures entered in it are



Timber and Fuel during the year 1917-18 and Agency of Exploitation.

Miscellaneous.					Total Timber.					Fuel.					Total Outturn.	Remarks.
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	33
Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.
...	...	...	...	...	30	435	14	...	488	1	1,183	217	...	1,401	1,889	
1	2	...	...	3	19	385	8	...	352	...	1,051	108	...	1,159	1,511	
...	...	...	...	...	56	290	4	...	350	56	575	49	...	680	1,010	
...	...	...	...	...	5	221	...	...	226	3	368	1	...	372	598	
...	...	...	...	...	86	143	1	...	230	185	239	...	...	424	554	
...	13	...	...	13	119	331	5	...	455	76	305	98	...	479	934	
...	13	...	...	13	47	181	10	...	238	40	723	20	...	783	1,021	
07	11	...	...	17	38'39	240'78	5'09	...	284'26	31'74	233'29	10'97	...	376	660'26	
1'07	28'1	...	...	29'17	2'409'39	2,166'78	47'09	...	2,623'26	492'74	4,677'29	503'97	...	56'74	8,297'26	* Difference between this figure and that given in Column 3 of Form No. 21 is due to neglect of fraction.
...	...	...	...	...	3	283	12	...	298	18	4,189	108	...	4,315	4,613	
...	...	...	...	...	22	1,047	...	...	1,069	12	3,151	...	...	3,163	4,232	
...	...	...	...	...	12	343	4	...	359	...	190	3	...	193	552	
...	...	...	...	...	27	593	12	...	632	54	2,144	6	...	2,204	2,826	
1	1	...	...	2	129	352	24	...	505	1	1,528	120	...	1,649	2,154	
2	...	...	...	2	14	275	...	...	289	17	2,409	...	...	2,426	2,715	
...	...	...	...	...	25	215	29	...	269	10	274	107	...	391	662	
...	...	...	...	...	95	1,500	7	...	1,603	4	1,314	107	...	1,445	3,048	
3	1	...	...	4	328	4,608	88	...	5,024	116	15,219	451	...	15,786	20,810	

of wood consumed in producing it being entered in cubic feet solid, actual and which are only estimates being also noted in the latter case how the figures have been arrived at.

FORM NO. 19.—[PRESCRIBED.]—Outturn (in thousands of cubic feet, solid) of

Division.	Timber in the rough; Logs.					Timber in the rough; Poles.					Sawn or square Timber.				
	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.	Government.	Purchasers.	Free Grantees.	Right-holders.	Total.
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.
<b>BERAR.</b>															
Meighat	...	...	...	...	...	116	7	...	66	189	...	131	...	...	131
Amraoti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Buldana	...	...	...	...	...	3	10	...	...	13	...	...	...	...	...
Yeotmal	...	...	...	...	...	10	54	...	...	64	...	...	...	...	...
Akola	...	...	...	...	...	8	120	1	...	129	...	...	...	...	...
<b>Total</b>	...	...	...	...	...	136	191	1	66	394	...	131	...	...	131
<b>Amraoti</b>	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...
<b>Buldana</b>	...	...	...	...	...	...	4	...	...	4	...	...	...	...	...
<b>Yeotmal</b>	...	...	...	...	...	3	11	5	...	18	...	...	...	...	...
<b>Akola</b>	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...
<b>Total</b>	...	...	...	...	...	3	17	5	...	24	...	...	...	...	...
<b>Total Berar excluding Nimar and Betul.</b>	...	...	...	...	...	138	208	6	66	418	...	131	...	...	131
<b>Figures of 1916-17</b>	...	...	...	...	...	111	291	11	65	479	...	140	...	...	140
<b>Nimar</b>	34	234	19	...	287	...	...	...	...	...	...	...	...	...	...
<b>Betul</b>	...	...	...	...	...	23	532	1	...	555	...	...	...	...	...
<b>Total Nimar and Betul</b>	34	234	19	...	287	23	533	1	...	555	...	...	...	...	...
<b>Figures for 1916-17</b>	36	320	12	...	428	17	63	...	...	79	...	...	...	...	...
<b>GRAND TOTAL BERAR CIRCLE</b>	34	234	19	...	287	160	740	7	65	973	...	131	...	...	131
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR.</b>	29026	1,83212	4498	...	2,16760	63976	5,58756	11617	66	6,39449	7	436	...	...	443

Charcoal should be shown by its equivalent in fuel, the quantity in the "Remarks" column of this form it should be shown which of the figures entered in it are

Timber and Fuel during the year 1917-18 and Agency of Exploitation.—(Concl'd.)

Miscellaneous.					Total Timber.					Fuel.					Total Output.	Remarks.
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	33
Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.	Thousands of C. ft.
...	...	...	...	...	116	138	...	66	330	5	130	...	524	659	979	
...	...	...	...	...	...	...	...	...	...	...	322	14	...	336	336	
5	17	1	...	23	7	27	1	...	35	28	119	16	...	163	198	
...	...	...	...	...	10	54	...	...	64	45	182	(a) 5	8	240	304	
...	...	...	...	...	8	120	1	...	129	67	311	3	...	381	510	
5	17	1	...	23	141	339	2	66	548	145	1,064	38	532	1,779	2,327	(a) Removed by concessionaires.
"C."	...	...	...	...	...	1	...	...	1	...	20	1	...	21	22	
...	5	...	...	9	...	9	...	...	9	...	51	5	...	56	65	
...	...	...	...	...	2	12	5	...	18	4	105	(a) 8	150	267	285	
...	...	...	...	...	...	1	...	...	1	...	39	...	...	39	40	
...	5	...	...	9	2	22	5	...	29	4	215	14	150	383	412	
5	22	1	...	28	143	361	7	66	577	149	1,279	52	682	2,162	2,739	
5	17	13	...	35	116	448	24	66	654	339	1,438	78	722	2,577	3,231	
...	...	...	...	...	34	234	19	...	287	52	717	(b) 86	...	855	1,143	(b) 185,000 cft. removed by concessionaires in addition.
4	4	7	...	15	26	536	8	...	570	6	245	517	...	768	1,338	
4	4	7	...	15	60	770	27	...	857	58	962	603	...	1,623	2,480	
1	15	18	...	34	54	457	30	...	541	76	992	740	...	1,803	2,349	
9	26	8	...	43	203	1,131	34	66	1,434	207	2,241	655	682	3,786	5,219	
13'07	55'1	8	...	76'17	940'39	7,905'78	169'09	66	9,081'26	815'74	2,2137'89	1,609'97	682	252'45	34,326'26	

of wood consumed in producing it being entered in cubic feet solid, actuals and which are only estimates, it being also noted in the latter case how the figures have been arrived at.

FORM NO. 20.—[PRESCRIBED].—Outturn of Minor Forest Produce during the Forest year 1917-18.

Description of produce.	Produce removed or utilized.										Remarks.
	By Government Agency.		By purchasers.		By free grants.		By right-holders.		Total.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12
<b>NORTHERN CIRCLE.</b>											
<b>I.—RESERVED FORESTS.</b>											
Bamboos ... Tons.	548½	4,084	13,638	68,298	397	2,052	...	...	13,583½	74,434	
Do. ... Lease.	...	...	...	5,685	...	...	...	...	...	5,685	
Do. ... Commutation.	...	...	...	4,455	...	...	...	...	...	4,455	
Grazing ...	...	...	...	4,35,346	...	14,957	...	...	...	4,50,303	
Grass ... Tons.	380½	723	6,725	9,209	2783	4,715	...	...	14,888½	14,647	
Do. ... Lease.	...	...	...	11,180	...	5,810	...	...	...	16,990	*This is on account of the free lease of grass bns given to Military Grass Farm in Saugor Division.
Do. ... Commutation.	...	...	...	2,431	...	...	...	...	...	2,431	
Harra ... Mds.	829	703	...	...	...	...	...	...	829	703	
Do. ... Lease.	...	...	...	12,250	...	...	...	...	...	12,250	
Lac ... Tons.	1	318	...	3	...	...	...	...	1	318	
Do. ... Lease.	...	...	...	39,672	...	...	...	...	...	39,672	
Mahua and Achar Tons.	...	...	6	8	197	1,479	...	...	203	1,487	
Do. do. Lease.	...	...	...	4,841	...	...	...	...	...	4,841	
Hide and horns Tons.	2	177	...	16	...	...	...	...	2	193	
Do. do. Lease.	...	...	...	7,403	...	...	...	...	...	7,403	
Other Minor Produce Tons.	331½	11,476	9,984	14,118	3,618	3,535	...	...	13,933½	29,129	
Do. do. Lease.	...	...	...	6,334	...	...	...	...	...	6,334	
Do. ... Commutation.	...	...	...	17,464	...	...	...	...	...	17,464	
Mineral Products Tons.	1	10	3,379	914	2,972	373	...	...	6,552	1,297	
Do. do. Cft.	...	...	4,910	289	...	...	...	...	4,910	289	
Do. do. Lease.	...	...	...	1,248	...	...	...	...	...	1,248	
Katha Lease.	...	...	...	5,841	...	...	...	...	...	5,841	
Tikari and Babai Grass Lease.	...	...	...	664	...	...	...	...	...	664	
<b>Total ...</b>	<b>2,093½</b>	<b>17,491</b>	<b>37,842</b>	<b>6,38,669</b>	<b>14,967</b>	<b>32,921</b>	<b>...</b>	<b>...</b>	<b>54,902½</b>	<b>6,89,081</b>	
<b>SOUTHERN CIRCLE.</b>											
<b>I.—RESERVED FORESTS.</b>											
Harra ... Tons.	228	9,118	830	10,901	...	...	...	...	1,058	20,019	
Lac ...	1	594	274	7,292	...	...	...	...	275	7,866	
Mohwa and Achar	...	...	2,739	5,322	...	...	...	...	2,739	5,322	
Hides and horns	...	41	281	3,682	...	...	...	...	281	3,722	
Bamboos ... No.	97,108	1,221	14,652,107	93,167	500,888	2,118	...	...	15,258,303	96,566	
Fodder grass Tons.	8,840	2,957	7,113	3,693	2	1	...	...	15,955	6,551	
Thatching grass	1,021	3,689	85,054	46,007	2,242	5,055	...	...	88,318	54,751	
Minerals ... Cft.	...	...	32,448	434	415,351	2,662	...	...	445,799	2,098	

FORM NO. 20.—[PRESCRIBED.]—*Outturn of Minor Forest Produce during the Forest year 1917-18.—(Contd.)*

Description of produce.	Produce removed or utilized.										Remarks.
	By Government agency.		By Purchasers.		By Free grants.		By Right-holders.		Total.		
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	
1	2	3	4	5	6	7	8	9	10	11	12
<b>SOUTHERN CIRCLE.—</b> (Contd.)											
<b>I.—RESERVED FORESTS.—</b> (Contd.)											
Other Minor Produce Tons.	339	4,238	31,607	15,815	951	947	...	...	31,897	21,000	
Grazing animals No.	...	...	669,784	2,10,377	14,091	8,418	...	...	683,875	2,19,295	
Grazing of transit cattle No.	...	...	60,972	9,686	...	...	...	...	60,972	9,686	
Total ...	...	21,913	...	4,06,875	...	19,203	...	...	...	4,47,996	
<b>BERAR CIRCLE.</b>											
<b>I.—RESERVED FORESTS.</b>											
<b>1.—Class 'A' (Timber and Fuel Reserves).</b>											
Bamboos ... No.	24,407	824	3,262,219	52,176	1,699	32	262,100	3,931	35,24,425	56,963	
Fodder grass... Tons	233	1,353	82,336	77,512	523	460	2,621	953	85,713	80,278	
Grazing Cattle No.	...	...	(a) 297,227	(a) 2,36,292	18,534	15,053	375	375	316,136	2,51,720	
Rusa grass ... { Tons Lease. ...	4	4	756	992	...	...	...	...	760	996	
Thatching grass Tons	37	75	...	...	66	129	...	...	103	204	
Rusa oil ... Lbs.	8	64	170	125	...	...	...	...	178	189	
Lac ... Lease	...	...	...	925	...	...	...	...	...	925	
Harra ... Lease	...	...	...	1,100	...	...	...	...	...	1,100	
Mineral products { Tons Cft ...	...	...	4,205 28,300	1,243 266	2,038 267,508	360 154	...	...	7,233 275,808	1,603 420	
Animals ... { Tons No. ...	1	503 300	0	789 70	709 140	...	...	...	1	1,202 370	1,608 390
Miscellaneous ... { Tons Lease. ...	83	3	80	2,806	194	7,420 175	171	0	633	436	0
Total ...	...	3,549	...	3,80,865	...	16,821	...	6,344	...	4,07,579	
<b>II.—Class 'C' (Pasture grounds).</b>											
Bamboos ... No.	...	...	65,759	788	...	...	...	...	65,759	788	
Fodder grass ... Tons	...	...	385	392	...	...	...	...	385	392	
Grazing Cattle... No.	...	...	(b) 852,172	(b) 3,20,447	187,985	93,983	...	...	1,040,157	4,14,435	
Rusa grass ... Tons	...	...	74	103	...	...	...	...	74	103	
Thatching grass ...	...	...	...	...	21	20	...	...	21	20	
Rusa oil ... Lbs.	...	...	91	66	...	...	...	...	91	66	

Revenue. Rs. (a) Transit cattle ... 6,668 580 (b) Excludes transit cattle ... 6,856 447  
Buffaloes excluded ... 2,010 1,507 Nomadic sheep and goats ... 3,050 1,515

FORM NO. 20.—[PRESCRIBED.]—*Outturn of Minor Forest Produce during the Forest year 1917-18.—(Concl'd.)*

Description of produce.	Produce removed or utilized.										Remarks.				
	By Government Agency.		By Purchasers.		By Free grants.		By Right-holders.		Total.						
	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.	Quantity.	Value.					
1	2	3	4	5	6	7	8	9	10	11	12				
BERAR CIRCLE.— (Concl'd.)															
I.—RESERVED FORESTS.— (Concl'd.)															
11.—Class 'C'—(Pasture Grounds).—(Concl'd.)															
All Divisions of Berar proper.—(Concl'd.)	Miner products	Tons. 80	15	15,091	3,052	1,843	349	...	...	17,014	3,416				
		Cft. ...	...	509,057	3,751	135,153	545	...	...	644,210	4,296				
	Animals	No. ...	...	2	11	...	...	...	...	2	11				
		Lease ...	...	...	211	...	...	...	...	...	211				
	Miscellaneous products.	T. lbs. 0	35	40	1,534	734	5,147	95	0	116	1,600	0	2,400	3,287	759
Total	...	...	55	...	3,33,958	...	95,018	...	2,400	...	4,31,441				
Total excluding Nimar and Betul.	...	3,604	...	7,14,833	...	1,21,839	...	8,744	...	8,39,020					
I.—Class 'A'—(Permanent Reserves).															
Nimar and Berar Division.	Bamboos	No. 8,892	33	4,628,079	61,931	133,451	7,086	...	...	4,770,432	63,050				
	Fodder grass	Tons. 223	647	45,631	28,001	1,855	1,221	...	...	47,709	29,869				
	Grazing cattle	No. ...	...	(c) 258,095	(c) 1,42,410	10,934	10,001	...	...	269,029	1,59,411				
	Rusa grass	Lease. ...	...	...	8,720	...	...	...	...	...	8,720				
	Lac	" 45	...	3,430	...	...	...	...	...	...	3,430				
	Harra	" ...	...	1,910	...	...	...	...	...	...	1,910				
	Gum	" ...	...	670	...	...	...	...	...	...	670				
	Mohwa	" ...	...	...	...	...	190	...	...	...	190				
	Hides and horns	{ Tons. 42	327	...	3	...	...	...	...	42	330				
		{ Lease. ...	...	...	2,385	...	...	...	...	...	2,385				
	Minerals	{ Tons. ...	26	260	496	...	...	...	...	260	520				
		{ Lease. ...	...	...	315	...	...	...	...	...	315				
	Miscellaneous	{ Tons. ...	1	1,508	1,715	860	714	...	...	1,263	2,430				
	{ Lease. ...	...	...	3,272	...	...	...	...	...	3,272					
Commutation	...	...	...	3,202	...	...	...	...	...	3,202					
Total Nimar and Betul	...	1,079	...	2,65,458	...	13,212	...	...	...	2,79,749					
Total Berar Circle	...	4,683	...	9,80,291 (11,897)	...	1,24,985	...	8,744	...	11,18,709 (11,897)					
GRAND TOTAL CENTRAL PROVINCES AND BERAR.	...	44,092	...	20,37,732	...	1,77,109	...	8,744	...	22,67,672					

NOTE.—Figures in brackets represent fees of transit cattle and 50% adic sheep, etc.

FORM NO. 21.—[PRESCRIBED.]—Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1917-18.

Name of Division.	Balance at commencement of the year in forests and sale depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forests and sale depôts.
1	2	3	4	5	6
<b>NORTHERN CIRCLE.</b>					
<b>TIMBER.</b>					
North-Mandla ...	19,051	39,662	58,713	23,710	35,003
South-Mandla ...	652	19,056	19,708	18,701	1,007
Jubbulpore-Narsinghpur ...	4,851	56,018	60,869	53,410	7,659
Damoh ...	3,091	5,315	8,406	6,186	2,220
Saugor ...	31,880	86,669	118,579	91,616	26,963
Hoshangabad ...	90,683	119,237	209,970	109,821	100,149
Seoni ...	9,790	47,132	56,922	29,799	27,123
Chhindwara ...	43,513	38,393	81,906	34,127	47,779
Total ...	203,511	411,562	615,073	367,170	247,903
<b>FUEL.</b>					
North-Mandla ...	1,515	588	2,103	1,428	675
South-Mandla ...	...	...	...	...	...
Jubbulpore-Narsinghpur ...	14,510	56,100	70,610	27,725	42,885
Damoh ...	1,200	3,135	4,335	1,515	2,820
Saugor ...	28,140	185,815	213,955	179,200	34,755
Hoshangabad ...	27,875	75,780	103,655	31,130	72,525
Seoni ...	11,870	39,800	51,670	23,470	28,200
Chhindwara ...	56,923	131,739	188,662	86,513	102,149
Total ...	142,033	492,957	634,990	350,981	284,009
<b>MINOR FOREST PRODUCE (VALUE).</b>					
	Rs.	Rs.	Rs.	Rs.	Rs.
North-Mandla ...	7	633	640	639	1
South-Mandla ...	309	371	833	830	3
Jubbulpore-Narsinghpur ...	840	4,600	5,440	5,240	200
Damoh ...	66	3,841	3,907	3,822	85
Saugor ...	125	3,759	3,884	3,746	138
Hoshangabad ...	85	785	870	820	50
Seoni ...	68	1,594	1,662	1,597	65
Chhindwara ...	608	1,908	2,515	1,854	662
Total ...	2,108	17,491	19,752	18,548	1,204

FORM NO. 21.—[PRESCRIBED.]—Account of Timber and other Produce cut or collected by Government Agency and brought to Depot, sold locally, or otherwise disposed of during the year 1917-18.—(Contd.)

Name of Division.	Balance at commencement of the year in forests and sale depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forests and sale depôts.
1	2	3	4	5	6
<b>SOUTHERN CIRCLE.</b>					
<b>TIMBER.</b>					
Balaghat ...	2,306	2,900	5,206	4,158	1,048
Bhandara ...	3,269	21,688	24,957	23,035	1,922
Bilaspur ...	1,899	11,597	13,496	13,496	...
North-Chanda ...	23,930	27,156	51,086	34,258	16,828
South-Chanda ...	94,004	129,592	223,596	75,427	148,169
Nagpur-Wardha ...	5,278	14,274	19,552	8,904	10,648
North-Raipur ...	50,067	24,489	74,556	34,475	40,081
South-Raipur ...	34,654	96,441	131,095	37,642	93,453
Total ...	215,407	328,137	543,544	231,395	312,149
<b>FUEL.</b>					
Balaghat ...	8,885	17,880	26,765	14,335	12,430
Bhandara ...	5,625	12,032	17,657	13,062	4,595
Bilaspur ...	125	25	150	150	...
North-Chanda ...	107,579	54,318	161,897	157,499	4,398
South-Chanda ...	...	1,140	1,140	1,020	120
Nagpur-Wardha ...	8,420	16,810	25,230	11,150	14,080
North-Raipur ...	2,653	9,979	12,632	276	12,356
South-Raipur ...	...	4,193	4,193	4,193	...
Total ...	133,287	116,377	249,664	20,685	47,979
<b>MINOR FOREST PRODUCE.</b>					
	Rs.	Rs.	Rs.	Rs.	Rs.
Balaghat ...	335	638	973	794	179
Bhandara ...	95	734	829	664	165
Bilaspur ...	643	1,029	1,672	1,159	513
North-Chanda ...	301	3,491	3,792	3,152	640
South-Chanda ...	62	1,636	1,698	1,584	114
Nagpur-Wardha ...	40	818	858	717	141
North-Raipur ...	38	2,547	2,585	2,470	115
South-Raipur ...	6	11,025	11,031	1,769	9,262
Total ...	1,520	21,918	23,438	12,339	11,099

\* NOTE.—The opening balance of Rs. 460 (closing balance of the last year) is reduced to Rs. 301 owing to the fall in the estimated price of Karkas.



FORM NO. 21.—[PRESCRIBED.]—Account of Timber and other Produce cut or collected by Government Agency and brought to Depôts, sold locally, or otherwise disposed of during the year 1917-18.—(Concl'd.)

Name of Division.	Balance at commencement of the year in forests and sale depôts.	Received during the year.	Total.	Disposed of during the year.	Balance in hand at close of the year in forests and sale depôts.
1	2	3	4	5	6
<b>BERAR CIRCLE:</b>					
<b>TIMBER.</b>					
Melghat ...	3,808	115,745	119,553	109,595	9,958
Amraoti ...	740	60	800	360	440
Buldana ...	4,920	7,019	11,939	9,305	2,634
Yeotmal ...	17,972	36,102	54,074	18,194	35,880
Akola ...	400	7,866	8,266	2,991	5,275
Nimar ...	37,809	33,868	71,077	45,975	25,102
Betul ...	14,630	25,626	40,256	12,862	27,394
<b>Total</b> ..	<b>79,679</b>	<b>226,286</b>	<b>305,965</b>	<b>199,282</b>	<b>106,683</b>
<b>FUEL.</b>					
Melghat ...	720	5,236	5,956	5,956	...
Amraoti ...	960	...	960	325	635
Buldana ...	81,585	27,760	109,345	76,389	32,956
Yeotmal ...	61,344	132,099	193,443	50,291	143,152
Akola ...	10,625	67,449	78,074	57,174	20,900
Nimar ...	43,620	52,161	95,781	53,921	41,860
Betul ...	10,477	5,884	16,361	6,069	10,292
<b>Total</b> ...	<b>209,331</b>	<b>290,589</b>	<b>499,920</b>	<b>250,125</b>	<b>249,795</b>
<b>MINOR FOREST PRODUCE.</b>					
	Rs.	Rs.	Rs.	Rs.	Rs.
Melghat ...	894	2,090	2,984	1,166	1,818
Amraoti ...	182	27	209	61	148
Buldana ...	35	5,086	5,121	4,880	241
Yeotmal ...	48	548	596	514	82
Akola ...	32	861	893	709	184
Nimar ...	244	3,722	3,966	3,791	775
Betul ...	903	549	1,452	538	914
<b>Total</b> ...	<b>2,338</b>	<b>12,883</b>	<b>15,221</b>	<b>11,059</b>	<b>4,162</b>
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR.</b>					
{ Timber	498,597	965,985	1,464,582	797,847	666,735
{ Fuel	484,651	899,923	1,384,574	802,791	581,783
{ Other minor produce Rs.	...	...	58,411	41,946	16,465

FORM NO. 22.—[PRESCRIBED.]—Abstract showing the Value of Timber and other Produce at Sale Depôts for the year 1917-18.

Description of Timber and other produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	C. ft.	Value.	No.	C. ft.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
			Rs.			Rs.	Rs.	Rs.	
<b>NORTHERN CIRCLE.</b>									
Timber	...	203,511	11,228	...	247,903	16,761	5,533	..	
Fuel	...	142,033	2,793	..	284,009	10,462	7,669	...	
Minor Produce	...	...	2,108	...	...	1,804	...	904	
<b>Total</b>	...	...	16,129	...	...	28,427	13,202	904	
<b>SOUTHERN CIRCLE.</b>									
Timber	...	22,414	15,745	...	19,955	17,862	2,117	...	
Fuel	...	5,015	171	..	4,645	162	..	9	
Minor Produce	...	...	109	...	...	8,070	7,961	...	
<b>Total</b>	...	...	16,025	...	...	26,094	10,069	9	
<b>BERAR CIRCLE.</b>									
Nil.									
<b>GRAND TOTAL FOR CENTRAL PROVINCES AND BERAR.</b>	...	...	32,154	...	...	54,521	23,271	913	

FORM NO. 23.—[PRESCRIBED.]—Abstract showing the Value of Live and Dead-stock for the year 1917-18.

Description of live and dead-stock.	On hand at commencement of the year.		On hand at close of the year.		Difference in value.		Remarks.
	No.	Value.	No.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8
<b>NORTHERN CIRCLE.</b>							
Elephants	6	Rs. 3,909	6	Rs. (†) 5,987	2,078	...	* Includes value of elephant of Direction Division omitted from last year's figure.
Other live-stock	6	172	4	133	...	39	(†) Includes value of one elephant purchased during the year.
Dead-stock	...	Rs. 39,935	...	2,64,448	24,513	...	{ Includes value of buildings of certain Divisions omitted from last year's form.
Total Northern Circle	...	2,44,016	...	2,70,568	26,552	39	
<b>SOUTHERN CIRCLE.</b>							
Elephants	8	16,100	9	19,900	3,800	...	
Other live-stock	12	510	12	555	45	...	
Dead-stock	...	2,75,994	...	2,70,051	...	5,943	
Total Southern Circle	...	2,92,604	...	2,90,506	...	2,098	
<b>BERAR CIRCLE.</b>							
<b>LIVE-STOCK.</b>							
Elephants	4	3,826	5	6,135	2,309	...	
Bullocks	10	466	10	426	...	40	
Total	14	4,292	15	6,561	2,309	40	
<b>DEAD-STOCK.</b>							
Buildings	...	2,03,743	...	2,17,292	13,549	...	
Mathematical and other drawing instruments	...	3,178	...	3,055	...	123	
Tools	...	6,998	...	6,136	...	862	
Furniture	...	14,662	...	14,893	231	...	
Tents	...	8,469	...	7,300	...	1,169	
Miscellaneous	...	11,800	...	17,682	6,482	...	
Total	...	2,48,250	...	2,66,358	20,262	2,154	
Total Berar Circle	...	2,52,542	...	2,72,919	22,571	2,194	Net difference in favour of the year Rs. 20,377.
<b>GRAND TOTAL CENTRAL PROVINCES AND BERAR</b>	...	<b>7,89,168</b>	...	<b>8,33,993</b>	<b>52,968</b>	<b>4,331</b>	

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure of the

Budget Heads.	Direction Division.	Chhindwara Division.	South-Mandla Division.	Saugor Division.
I	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
<b>NORTHERN CIRCLE.</b>				
<b>REVENUE.</b>				
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>				
a. Timber ...	...	2,342	91	4,654
b. Firewood and charcoal ...	...	916	...	1,704
c. Bamboos ...	...	...	...	2,981
d. Sandal-wood ...	...	...	...	...
e. Grass and other minor produce ...	...	847	571	631
Total I ...	...	4,105	662	9,970
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—</b>				
a. Timber ...	...	30,030	27,466	17,010
b. Firewood and charcoal ...	...	5,909	183	9,579
c. Bamboos ...	...	8,320	5,278	4,288
d. Grazing and fodder grass ...	...	73,387	49,081	80,226
e. Other minor produce ...	...	6,105	5,203	8,842
f. Other items ...	...	...	...	...
g. Commutation fees ...	...	71	23,511	603
Total II ...	...	1,23,831	1,10,722	1,20,548
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.</b>				
Total III ...	...	205	18	...
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>				
a. Duty on foreign timber and other forest produce ...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...
Total IV ...	...	...	...	...
<b>V.—MISCELLANEOUS—</b>				
a. Fines and forfeitures ...	...	100	...	...
b. Refunds ...	...	4	195	14
c. Other sources ...	18	8,883	8,424	5,241
Total V ...	18	8,987	8,619	5,255
<b>GRAND TOTAL REVENUE</b> ...	18	1,37,128	1,20,021	1,35,773
<b>EXPENDITURE.</b>				
<i>A.—Conservancy and Works.</i>				
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>				
a. Timber ...	...	...	86	...
b. Firewood and charcoal ...	...	...	...	120
c. Bamboos ...	...	...	...	695
d. Sandal-wood ...	...	...	...	...
e. Grass and other minor produce ...	...	641	367	618
Total A-I ...	...	641	453	1,433
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.</b>				
Total A-II ...	...	5,591	6,679	5,412
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.</b>				
Total A-III ...	...	...	2	...
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>				
a. Duty on foreign timber and other forest produce ...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...
Total A-IV ...	...	...	...	...
<b>V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.</b>				
Total A-V ...	...	...	...	...

*different Divisions during the Forest year 1917-18.*

Damoh Division.	North-Mandla Division.	Jubbulpore-Narsinghpur Division.	Hoshangabad Division.	Soeni Division.	Total.
6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
152	544	28,978	4,634	3,304	44,699
72	15	452	847	209	4,215
66	25	2	8	1	3,083
2,352	554	2,682	813	135	8,585
2,642	1,138	32,114	6,302	3,649	60,582
22,094	10,400	11,230	1,48,410	51,382	3,18,022
10,458	2,558	17,157	27,785	19,494	93,123
2,326	7,765	6,511	27,308	12,178	73,983
73,609	46,447	31,475	24,433	77,077	4,55,755
28,670	11,924	7,011	4,796	12,050	84,601
208	18,682	2,248	652	94	46,369
1,37,365	98,076	75,632	2,33,384	1,72,275	10,71,833
2	6	69	105	...	405
2	6	69	105	...	405
...	...	...	...	...	...
...	...	...	...	...	...
61	135	144	130	63	633
54	191	44	136	528	1,166
7,012	6,612	6,644	4,267	8,325	55,216
7,127	6,938	6,622	4,533	8,916	57,015
1,47,136	1,06,158	1,14,437	2,44,324	1,84,840	11,89,835
...	82	14,273	1,070	...	15,511
...	...	...	...	...	120
...	...	...	...	...	695
3,996	482	1,838	388	699	9,029
3,996	564	16,111	1,458	699	25,355
5,872	5,957	4,462	6,222	9,264	49,459
5,872	5,957	4,462	6,222	9,264	49,459
...	...	...	...	...	2
...	...	...	...	...	2
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure of the

Budget Heads.	Direction Division.	Chhindwara Division.	South-Mandla Division.	Saugor Division.
I	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
<b>NORTHERN CIRCLE.—(Concl'd.)</b>				
<b>EXPENDITURE.—(Concl'd.)</b>				
<b>A.—Conservancy and Works.—(Concl'd.)</b>				
<b>VI.—LIVE-STOCK, STORES, TOOLS AND PLANT—</b>				
a. Purchase of cattle ...	...	...	...	...
b. Feed and keep of cattle ...	816	686	806	...
c. Purchase of stores, tools and plant ...	686	165	219	125
<b>Total A-VI</b> ...	<b>1,502</b>	<b>851</b>	<b>1,025</b>	<b>125</b>
<b>VII.—COMMUNICATIONS AND BUILDINGS—</b>				
a. Roads and bridges ...	...	582	1,565	2,248
b. Buildings ...	...	3,306	4,834	3,755
c. Other Works ...	...	349	501	933
<b>Total A-VII</b> ...	<b>...</b>	<b>4,237</b>	<b>6,900</b>	<b>6,936</b>
<b>VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—</b>				
a. Demarcation ...	...	941	1,454	951
b. Cost of Forest Settlements, compensation for land and rights.	...	...	...	...
c. Surveys ...	...	...	...	...
d. Working plans...	...	...	...	...
e. Sowing and planting ...	...	...	33	13
f. Protection from fire ...	...	1,613	4,731	2,500
g. Other works ...	...	2,330	230	4,052
<b>Total A-VIII</b> ...	<b>...</b>	<b>4,884</b>	<b>6,448</b>	<b>7,516</b>
<b>IX.—MISCELLANEOUS—</b>				
a. Law charges ...	...	...	4	8
b. Grain compensation ...	6	26	13	...
c. Other charges ...	12	921	766	158
<b>Total A-IX</b> ...	<b>18</b>	<b>947</b>	<b>783</b>	<b>166</b>
<b>TOTAL A.—CONSERVANCY AND WORKS</b> ...	<b>1,520</b>	<b>17,151</b>	<b>22,290</b>	<b>21,588</b>
<b>B.—Establishments.</b>				
<b>I.—SALARIES—</b>				
a. Conservators ..	23,095	...	...	...
b. Superior officers ...	—5	10,912	840	12,300
c. Subordinate forest and depôt establishments	178	19,053	18,527	24,954
d. Office establishments ...	10,467	4,848	5,435	4,826
e. Deputation and special allowances ...	2,089	...	...	...
f. Exchange compensation allowance ...	132	849	654	1,026
<b>Total B-I</b> ...	<b>35,956</b>	<b>35,662</b>	<b>25,456</b>	<b>43,106</b>
<b>II.—TRAVELLING ALLOWANCES—</b>				
a. Conservators ...	1,982	...	...	...
b. Superior officers ...	84	1,456	855	1,939
c. Subordinate forest and depôt establishments	62	3,425	2,711	3,317
d. Office establishments ...	506	484	200	291
<b>Total B-II</b> ...	<b>2,574</b>	<b>5,365</b>	<b>3,166</b>	<b>5,547</b>
<b>III.—CONTINGENCIES—</b>				
a. Stationery ...	30	14	17	16
b. Carriage of tents and records ...	990	740	421	858
c. Rents, rates and taxes ...	43	36	119	113
d. Pay of police guards ...	...	...	...	...
e. Official postage...	803	486	454	473
f. Sundries ...	2,151	1,099	991	1,345
<b>Total B-III</b> ...	<b>4,017</b>	<b>2,375</b>	<b>2,002</b>	<b>2,805</b>
<b>TOTAL B.—ESTABLISHMENTS</b> ...	<b>42,547</b>	<b>43,402</b>	<b>30,624</b>	<b>51,458</b>
<b>GRAND TOTAL OF EXPENDITURE</b> ...	<b>44,067</b>	<b>60,553</b>	<b>52,914</b>	<b>73,046</b>
<b>SURPLUS OR DEFICIT</b> ...	<b>-44,049</b>	<b>76,575</b>	<b>67,107</b>	<b>62,727</b>

*different Divisions during the Forest year 1917-18.—(Contd.)*

Damoh Division.	North-Mandla Division.	Jubbulpore-Narsinghpur Division.	Hoshangabad Division.	Seoni Division.	Total.
6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2,750	...	...	...	...	8,750
793	...	501	884	822	5,398
445	145	561	372	925	3,643
3,988	145	1,152	1,256	1,747	11,791
8,584	372	3,236	8,056	6,543	31,187
5,649	1,502	2,284	8,492	6,796	36,618
1,106	90	534	886	1,456	5,855
15,339	1,965	6,054	17,434	14,795	73,660
267	1,760	719	346	892	7,330
...	...	...	...	...	...
...	...	...	...	...	...
30	2	...	229	146	453
4,698	1,131	3,969	7,622	2,669	29,073
374	303	798	5,768	1,639	15,494
5,569	3,196	5,486	13,965	5,286	52,350
288	...	1	25	57	383
5	...	...	72	45	167
297	608	784	753	1,069	5,368
590	608	785	850	1,171	5,918
35,354	12,435	34,050	41,185	32,962	2,18,535
...	...	...	...	...	83,095
5,330	5,716	10,494	20,122	11,250	76,959
20,838	15,940	22,052	20,123	21,758	1,63,423
4,944	4,318	6,074	5,367	5,356	51,055
...	974	10	933	120	4,126
411	728	683	927	1,067	6,477
31,523	27,676	39,313	47,492	39,551	3,25,735
...	...	...	...	...	1,922
1,570	1,768	934	3,588	940	12,534
2,443	2,053	4,335	3,460	3,596	25,402
329	164	458	483	671	3,586
4,342	3,985	5,727	7,531	5,207	43,444
51	24	23	31	46	252
878	558	1,067	1,183	869	7,569
75	120	65	155	194	920
...	...	...	...	...	...
536	357	653	1,087	604	5,453
993	655	1,067	1,469	1,978	11,748
2,533	1,714	2,875	3,930	3,691	25,942
38,398	33,375	47,915	58,953	48,449	3,95,121
73,752	45,810	81,965	1,00,138	81,411	6,13,656
73,384	60,348	32,472	1,44,186	1,03,429	5,76,179

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure of the

Budget Heads.	Direction Division.	Balaghat Division.	Balaghat School Division.	Bhandara Division.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
<b>SOUTHERN CIRCLE.</b>				
<b>REVENUE.</b>				
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>				
a. Timber	...	610	...	397
b. Firewood and charcoal	...	185	...	165
c. Bamboos	...	...	...	4
d. Sandal-wood	...	...	...	...
e. Grass and other minor produce	...	129	...	577
Total I	...	924	...	1,143
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—</b>				
a. Timber	...	41,025	...	51,427
b. Firewood and charcoal	...	16,274	...	29,714
c. Bamboos	...	30,781	...	7,644
d. Grazing and fodder grass	...	30,449	...	14,755
e. Other minor produce	...	15,876	...	12,398
f. Other items	...	...	...	...
g. Commutation fees	...	4,368	...	...
Total II	...	1,38,768	...	1,15,948
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.</b>				
Total III	...	...	...	...
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>				
a. Duty on foreign timber and other forest produce	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...
Total IV	...	...	...	...
<b>V.—MISCELLANEOUS—</b>				
a. Fines and forfeitures	...	97	...	231
b. Refunds	...	955	11	8
c. Other sources	...	15,433	1,479	2,867
Total V	12	16,485	1,490	3,106
<b>GRAND TOTAL REVENUE</b>	12	1,56,177	1,490	1,20,197
<b>EXPENDITURE.</b>				
<b>A.—Conservancy and Works.</b>				
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>				
a. Timber	...	7	...	...
b. Firewood and charcoal	...	70	...	...
c. Bamboos	...	...	...	...
d. Sandal-wood	...	...	...	...
e. Grass and other minor produce	...	114	...	431
Total A-I	...	191	...	431
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.</b>				
Total A-II	...	9,660	209	5,183
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.</b>				
Total A-III	...	9,660	209	5,183
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>				
a. Duty on foreign timber and other forest produce	...	...	...	1
b. Revenue from shared and private forests	...	...	...	1
Total A-IV	...	...	...	...



*different Divisions during the Forest year 1917-18.—(Contd.)*

Bilaspur Division.	North-Chanda Division.	South-Chanda Division.	Nagpur-Wardha Division.	North-Raipur Division.	South-Raipur Division.	Total.
6	7	8	9	10	11	12
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
317	1,569	24,152	326	7,038	28	34,437
1	2,468	..	274	242	13	3,308
3	192	...	31	...	...	230
...	8	...	...	...	...	8
1,125	2,524	183	529	608	2,211	7,886
1,446	6,761	24,335	1,120	7,888	2,252	45,869
25,469	29,831	87,226	25,259	9,561	37,721	3,07,514
9,137	27,167	2,253	19,570	5,569	12,511	1,18,205
14,199	18,877	6,855	9,551	6,434	479	91,820
6,157	53,453	42,837	43,108	13,652	19,755	2,24,256
5,385	16,993	5,021	6,820	12,243	14,864	88,700
...	...	...	...	...	...	...
...	...	2,181	...	263	2,941	9,753
60,347	1,11,421	1,43,373	1,04,338	47,722	88,271	8,40,248
55	5	...	7	98	...	165
55	5	...	7	98	...	165
...	...	..	...	1	...	...
...	..	...	...	...	...	...
...	...	...	...	...	...	...
...	113	100	10	...	...	551
135	1,171	...	21	...	206	2,514
2,798	9,972	2,558	4,947	3,062	5,870	48,997
2,933	11,256	2,658	4,978	3,062	6,076	52,056
64,781	1,59,443	1,70,366	1,10,593	58,770	96,599	9,38,338
...	17	11,147	236	489	1,185	13,081
...	323	...	80	...	...	473
...	...	...	10	...	...	12
24	1,186	674	142	1,058	6,375	9,964
26	1,526	11,821	468	1,547	7,520	23,530
2,986	8,076	5,412	6,136	3,871	4,874	46,407
2,986	8,076	5,412	6,136	3,871	4,874	46,407
...	2	6	...	...	...	9
...	2	6	...	...	...	9
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure of the

Budget heads.	Direction Division.	Balaghat Division.	Balaghat School Division.	Bhandara Division.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
<b>SOUTHERN CIRCLE.—(Concl'd.)</b>				
<b>EXPENDITURE.—(Concl'd.)</b>				
<b>A.—Conservancy and Works.—(Concl'd.)</b>				
<b>V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.</b>				
...	...	...	...	...
Total A-V	...	...	...	...
<b>VI.—LIVE STOCK, STORES, TOOLS AND PLANT—</b>				
a. Purchase of cattle	3,030	...	...	...
b. Feed and keep of cattle	450	1,654	94	541
c. Purchase of stores, tools and plant	47	228	712	320
Total A-VI	3,497	1,882	806	861
<b>VII.—COMMUNICATIONS AND BUILDINGS—</b>				
a. Roads and bridges	...	4,166	...	3,388
b. Buildings	...	2,394	10	2,829
c. Other works	...	457	97	211
Total A-VII	...	7,017	107	6,428
<b>VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—</b>				
a. Demarcation	...	1,200	...	252
b. Cost of Forest Settlements, compensation for land and rights.	...	...	...	...
c. Surveys	...	...	...	...
d. Working-plans	1,100	...	...	25
e. Sowing and planting	197	305	414	33
f. Protection from fire	...	6,620	...	2,922
g. Other works	...	2,866	...	403
Total A-VIII	1,227	10,991	414	3,635
<b>IX.—MISCELLANEOUS—</b>				
a. Law charges	...	...	...	55
b. Grain compensation	13	...	...	3
c. Other charges	149	1,552	606	245
Total A-IX	162	1,552	606	303
<b>TOTAL A.—CONSERVANCY AND WORKS</b>				
	4,956	31,293	2,142	16,842
<b>B.—Establishments.</b>				
<b>I.—SALARIES—</b>				
a. Conservators	22,800	...	...	...
b. Superior officers	8,748	20,025	6,484	5,609
c. Subordinate forest and depôt establishments	2	22,598	4,019	18,543
d. Office establishments	10,644	6,751	988	5,231
e. Deputation and special allowances	2,355	214	2,463	...
f. Grain compensation allowance	81	36	...	81
Total B-I	44,680	49,624	13,954	29,464
<b>II.—TRAVELLING ALLOWANCES —</b>				
a. Conservators	2,420	...	...	...
b. Superior officers	...	2,411	516	1,712
c. Subordinate forest and depôt establishments	540	3,305	1,442	4,181
d. Office establishments	761	978	276	836
Total B-II	3,721	6,687	2,234	6,759
<b>III.—CONTINGENCIES—</b>				
a. Stationery	19	28	10	18
b. Carriage of tents and records	1,434	1,312	727	706
c. Rents, rates and taxes	190	35	147	180
d. Pay of police guards	...	...	...	...
e. Official postage	1,064	912	...	1,106
f. Sundries	962	1,981	1,271	995
Total B-III	3,669	4,290	2,155	3,005
<b>TOTAL B.—ESTABLISHMENTS</b>				
	57,070	60,601	18,243	39,228
<b>GRAND TOTAL OF EXPENDITURE</b>				
	57,026	91,804	20,485	56,070
<b>SURPLUS OR DEFICIT</b>				
	-57,014	+64,283	-18,995	+64,127

*different Divisions during the Forest year 1917-18.—(Contd.)*

Bilaspur Division.	North-Chanda Division.	South-Chanda Division.	Nagpur-Wardha Division.	North-Raipur Division.	South-Raipur Division.	Total.
6	7	8	9	10	11	12
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	...	...	...	...
...	...	...	...	...	...	...
565 52	150 936 402	25 1,035 115	...	1,343 1,008	653 1,030	3,175 7,271 4,935
617	1,488	1,175	1,021	2,351	1,683	15,381
500 626 622	2,829 2,168 288	3,732 4,735 707	6,126 2,310 5,905	4,614 1,959 1,551	7,591 3,007 890	32,946 20,938 10,728
1,748	5,285	9,174	14,341	8,124	12,388	64,612
67	819	819	1,482	547	260	5,446
...	...	...	...	...	1,133	1,133
...	...	...	...	...	...	...
95 3,591 100	817 7,712 1,552	58 1,176 3,937 4,871	207 41 5,493 1,402	5 3,112 457	107 5,087 295	1,390 3,280 38,384 12,000
3,853	10,900	10,861	8,595	4,121	6,972	61,639
...	...	...	40	...	33	128
...	14	42	56	...	...	128
1,139	377	1,209	1,772	1,093	1,415	9,557
1,139	291	1,251	1,868	1,093	1,448	9,813
10,369	27,668	39,700	32,429	21,107	34,885	2,21,391
...	...	...	...	...	...	22,800
6,110 7,913 4,142	23,915 27,945 7,598	6,909 13,527 6,719 147 245	16,354 23,022 6,595	8,960 10,366 4,524	4,869 18,339 6,663 600	1,08,013 1,46,324 59,875 5,779 1,731
18,165	60,019	27,567	46,728	23,850	30,471	3,44,522
...	...	...	...	...	...	2,420
894 1,294 509	2,039 4,077 945	948 1,808 595	2,947 3,617 490	1,526 2,015 554	1,067 2,752 563	14,090 25,034 6,498
2,697	7,061	3,352	7,054	4,095	4,382	48,042
13 913 30	35 1,648 44	41 916 84	24 2,403 64	14 1,220 30	14 1,750 53	219 13,029 857
...	...	...	...	...	...	...
291 1,193	851 1,496	1,069 3,488	920 2,309	452 1,290	422 1,288	7,107 16,675
2,440	4,075	5,600	5,720	3,006	3,927	37,887
23,302	71,155	36,519	59,502	30,951	38,780	430,451
33,671	98,823	76,219	91,931	52,058	73,665	651,842
+31,110	+60,620	+94,147	+18,572	+6,712	+22,934	+2,86,496

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure of the

Budget Heads.	Direction. Division.	Betul Division.	Buldana Division.
	2	3	4
	Rs.	Rs.	Rs.
<b>BERAR CIRCLE</b>			
<b>REVENUE.</b>			
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>			
a. Timber	...	2,898	1,720
b. Firewood and charcoal	...	...	2,769
c. Bamboos	...	11	...
d. Sandal-wood	...	...	...
e. Grass and other minor produce	...	537	80
Total I	...	3,446	4,569
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—</b>			
a. Timber	...	69,779	8,878
b. Firewood and charcoal	...	3,924	13,269
c. Bamboos	...	40,562	4,614
d. Grazing and fodder grass	...	60,416	1,04,257
e. Other minor produce	...	14,964	3,465
f. Other items	...	...	...
g. Commutation fees	...	2,619	...
Total II	...	1,92,264	1,34,513
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE</b>			
Total III	...	9	1
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>			
a. Duty on foreign timber and other forest produce	...	...	...
b. Revenue from shared and private forests	...	...	...
Total IV	...	...	...
<b>V.—MISCELLANEOUS—</b>			
a. Fines and forfeitures	...	4	...
b. Refund	...	63	9
c. Other sources	...	5,989	5,292
Total V	...	6,056	5,301
<b>GRAND TOTAL REVENUE</b>	5	2,01,775	1,44,384
<b>EXPENDITURE</b>			
<i>A.—Conservancy and Works.</i>			
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>			
a. Timber	...	6	2
b. Firewood and charcoal	...	...	194
c. Bamboos	...	...	...
d. Sandal-wood	...	...	...
e. Grass and other minor produce	...	264	10
Total A-I	...	270	206
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.</b>			
Total A-II	...	10,564	3,841
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE</b>			
Total A-III	...	10,564	3,841
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>			
a. Duty on foreign timber and other forest produce	...	...	...
b. Revenue from shared and private forests	...	...	...
Total A-IV	...	...	...
<b>V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.</b>			
Total A-V	...	...	...

*different Divisions during the Forest year 1917-18.—(Contd.)*

Nimar Division.	Akola Division.	Yeotmal Division.	Melghat Division.	Amraoti Division.	Total	Total Central Provinces and Berar.
5	6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2,903	210	3,287	1,326	..	12,344	91,480
964	1,298	3,356	373	28	8,788	16,311
22	566	13	27	12	651	3,964
...	...	..	...	...	...	8
508	30	501	1,397	26	3,079	19,550
4,397	2,104	7,157	3,123	66	24,862	1,31,313
54,534	16,476	24,968	48,748	130	2,23,513	8,49,049
21,009	24,749	10,868	4,133	10,889	88,841	3,00,159
21,369	189	5,796	42,326	9	1,14,895	2,80,698
1,24,843	1,19,320	2,73,938	34,620	1,06,557	8,23,951	15,03,942
7,950	3,952	5,729	15,626	8,906	60,592	2,33,833
...	...	...	...	...	...	...
583	...	...	...	...	3,022	59,324
2,30,288	1,64,686	3,21,299	1,45,453	1,26,491	13,14,994	32,27,975
220	...	...	31	...	261	831
220	...	...	31	...	261	831
...	...	...	...	...	...	...
...	...	...	6,378	...	6,378	6,378
...	...	...	6,378	...	6,378	6,378
13	1	132	...	267	417	1,601
438	73	15	45	18	664	4,344
21,067	8,964	18,897	5,007	0,542	74,750	1,78,967
21,518	9,038	19,044	5,052	9,827	75,841	1,84,912
2,56,423	1,75,828	3,47,500	1,60,037	1,36,384	14,22,336	35,50,509
313	...	10	140	...	471	29,063
...	...	...	372	1	567	1,160
3	150	...	22	...	175	882
...	...	...	...	...	...	...
557	91	241	1,489	1	2,653	21,646
873	241	251	2,027	2	3,866	52,751
11,355	8,219	10,336	3,486	6,253	54,054	1,49,920
11,355	8,219	10,336	3,486	6,253	54,054	1,49,920
...	...	6	5	...	11	22
...	...	6	5	..	11	22
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure of the

Budget Heads.	Direction. Division.	Betul Division.	Buldana Division.
1	2	3	4
	Rs.	Rs.	Rs.
<b>BERAR CIRCLE</b>			
<b>REVENUE.</b>			
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>			
a. Timber	...	2,898	1,720
b. Firewood and charcoal	...	...	2,769
c. Bamboos	...	11	...
d. Sandal-wood	...	...	...
e. Grass and other minor produce	...	537	80
Total I	...	3,446	4,569
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—</b>			
a. Timber	...	69,779	8,878
b. Firewood and charcoal	...	3,924	13,269
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d. Grazing and fodder grass	...	60,416	1,04,257
e. Other minor produce	...	14,964	3,465
f. Other items	...	...	...
g. Commutation fees	...	2,619	...
Total II	...	1,92,264	1,34,513
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE</b>			
Total III	...	9	1
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>			
a. Duty on foreign timber and other forest produce	...	...	...
b. Revenue from shared and private forests	...	...	...
Total IV	...	...	...
<b>V.—MISCELLANEOUS—</b>			
a. Fines and forfeitures	...	4	...
b. Refund	...	63	9
c. Other sources	...	5,989	5,292
Total V	...	6,056	5,301
<b>GRAND TOTAL REVENUE</b>	5	2,01,775	1,44,384
<b>EXPENDITURE</b>			
<i>A.—Conservancy and Works.</i>			
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>			
a. Timber	...	6	2
b. Firewood and charcoal	...	...	194
c. Bamboos	...	...	...
d. Sandal-wood	...	...	...
e. Grass and other minor produce	...	264	10
Total A-I	...	270	206
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.</b>			
Total A-II	...	10,564	3,841
<b>III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE</b>			
Total A-III	...	10,564	3,841
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>			
a. Duty on foreign timber and other forest produce	...	...	...
b. Revenue from shared and private forests	...	...	...
Total A-IV	...	...	...
<b>V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.</b>			
Total A-V	...	...	...

*different Divisions during the Forest year 1917-18.—(Contd.)*

Nimar Division.	Akola Division.	Yeotmal Division.	Melghat Division.	Amraoti Division.	Total	Total Central Provinces and Berar.
5	6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
2,903	210	3,287	1,326	..	12,344	91,480
964	1,298	3,356	373	28	8,788	16,311
22	566	13	27	12	651	3,964
...	...	..	...	...	...	8
508	30	501	1,397	26	3,079	19,550
4,397	2,104	7,157	3,123	66	24,862	1,31,313
54,534	16,476	24,968	48,748	130	2,23,513	8,49,049
21,009	24,749	10,868	4,133	10,889	88,841	3,00,159
21,369	189	5,796	42,326	9	1,14,895	2,80,698
1,24,843	1,19,320	2,73,938	34,620	1,06,557	8,23,951	15,03,942
7,950	3,952	5,729	15,626	8,906	60,592	2,33,893
...	...	...	...	...	...	...
583	...	...	...	...	3,022	59,324
2,30,288	1,64,686	3,21,299	1,45,453	1,26,491	13,14,994	32,27,075
220	...	...	31	...	261	831
220	...	...	31	...	261	831
...	...	...	...	...	...	...
...	...	...	6,378	...	6,378	6,378
...	...	...	6,378	...	6,378	6,378
13	1	132	...	267	417	1,601
438	73	15	45	18	664	4,344
21,067	8,964	18,897	5,007	0,542	74,750	1,78,967
21,518	9,038	19,044	5,052	9,827	75,841	1,84,912
2,56,423	1,75,828	3,47,500	1,60,037	1,36,384	14,22,336	35,50,509
313	...	10	140	...	471	29,063
...	...	...	372	1	567	1,160
3	150	...	22	...	175	882
...	...	...	...	...	...	...
557	91	241	1,480	1	2,653	21,646
873	241	251	2,025	2	3,866	52,751
11,355	8,219	10,336	3,486	6,253	54,054	1,49,920
11,355	8,219	10,336	3,486	6,253	54,054	1,49,920
...	...	6	5	...	11	22
...	...	6	5	..	11	22
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...

FORM NO. 24.—[PRESCRIBED.]—Summary of Revenue and Expenditure of the

Budget Heads	Direction Division.	Betul Division.	Buldana Division.
1	2	3	4
	Rs.	Rs.	Rs.
<b>BERAR CIRCLE.—(Concl'd.)</b>			
<b>EXPENDITURE —(Concl'd.)</b>			
<b>A.—Conservancy and Works.—(Concl'd.)</b>			
<b>VI.—LIVE-STOCK, STORES, TOOLS AND PLANT—</b>			
a. Purchase of cattle	...	2,500	..
b. Feed and keep of cattle	...	1,767	..
c. Purchase of stores, tools and plant ..	775 9	189	4
<b>Total A-VI</b>	<b>784</b>	<b>4,456</b>	<b>4</b>
<b>VII.—COMMUNICATIONS AND BUILDINGS—</b>			
a. Roads and bridges	...	12,051	2,686
b. Buildings	107	1,522	1,306
c. Other works	...	268	232
<b>Total A-VII</b>	<b>107</b>	<b>13,841</b>	<b>4,224</b>
<b>VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—</b>			
a. Demarcation	...	494	255
b. Compensation for land and rights	...	...	1,562
c. Surveys	...	...	3
d. Working-plans	...	...	...
e. Sowing and planting	...	...	280
f. Protection from fire	...	4,023	102
g. Other works	...	872	1,443
<b>Total A-VIII</b>	...	<b>5,789</b>	<b>3,645</b>
<b>IX.—MISCELLANEOUS—</b>			
a. Law charges	...	100	..
b. Grain compensation allowance	...	2	..
c. Other charges	3	1,170	569
<b>Total A-IX</b>	<b>3</b>	<b>1,272</b>	<b>569</b>
<b>TOTAL A.—CONSERVANCY AND WORKS</b>	<b>894</b>	<b>35,792</b>	<b>12,439</b>
<b>B.—Establishments.</b>			
<b>I.—SALARIES—</b>			
a. Conservators	22,051	...	...
b. Superior officers	...	12,149	10,859
c. Subordinate forest and depôt establishments	136	25,424	13,839
d. Office establishments	8,697	6,397	5,493
e. Deputation and special allowances	1,551	...	...
f. Grain compensation allowance	65	767	643
<b>Total B-I</b>	<b>33,400</b>	<b>44,737</b>	<b>30,890</b>
<b>II.—TRAVELLING ALLOWANCE—</b>			
a. Conservators	2,140	...	...
b. Superior officers	...	1,363	1,160
c. Subordinate forest and depôt establishments	27	4,790	2,034
d. Office establishments	697	456	599
<b>Total B-II</b>	<b>2,864</b>	<b>6,609</b>	<b>3,793</b>
<b>III.—CONTINGENCIES—</b>			
a. Stationery	452	37	25
b. Carriage of tents and records	426	1,120	646
c. Rents, rates and taxes	...	15	448
d. Pay of police guards	...	...	...
e. Official postage	941	597	619
f. Sundries	960	1,198	727
<b>Total B-III</b>	<b>2,779</b>	<b>2,967</b>	<b>2,465</b>
<b>TOTAL B.—ESTABLISHMENTS</b>	<b>39,043</b>	<b>54,313</b>	<b>37,148</b>
<b>GRAND TOTAL OF EXPENDITURE</b>	<b>39,937</b>	<b>90,105</b>	<b>49,637</b>
<b>SURPLUS OR DEFICIT</b>	<b>-39,932</b>	<b>1,116,70</b>	<b>+94,747</b>



*different Divisions during the Forest year 1917-18.—(Concl'd.)*

Nimar Division.	Akola Division.	Yeotmal Division.	Melghat Division.	Amraoti Division.	Total.	Grand Total Central Provinces and Berar.
5	6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	...	...	2,500	8,425
1,443	...	1,364	1,759	8	7,122	19,791
309	233	282	125	311	1,462	10,040
1,758	233	1,646	1,884	319	11,084	38,256
2,898	462	3,147	4,316	8,367	33,927	98,060
3,359	1,983	1,796	10,599	8,668	29,340	86,896
472	285	1,450	1,076	716	4,499	21,082
6,729	2,730	6,393	15,991	17,751	67,766	2,06,038
1,433	433	975	244	66	3,900	16,676
...	...	...	12,434	...	17,996	15,129
...	334	955	1	207	1,500	1,500
...	...	189	...	...	189	1,579
4	2,317	761	395	225	4,021	7,757
6,858	269	23	6,750	374	18,405	85,862
1,798	2,118	6,647	4,921	...	17,799	45,299
10,135	5,471	9,550	24,751	872	59,813	1,73,802
172	...	134	...	...	406	917
72	14	190	73	130	441	736
1,969	321	1,809	1,657	211	7,709	22,634
2,173	335	2,133	1,730	341	8,556	24,287
33,022	17,229	30,315	49,870	25,538	2,05,150	6,45,076
...	...	...	16	...	22,067	68,862
18,517	6,600	12,053	17,634	12,300	90,112	2,75,084
32,650	9,308	30,498	26,866	12,456	1,51,227	4,60,974
8,522	5,223	6,757	6,767	4,493	52,355	1,63,885
129	577	...	4,775	2	7,034	10,939
1,038	434	1,317	1,117	520	5,901	14,109
60,856	22,142	50,625	57,175	29,771	3,29,596	9,99,853
...	...	...	10	...	2,150	6,492
1,063	1,281	1,957	1,979	1,832	10,635	37,259
6,032	2,002	4,695	3,945	2,747	26,278	76,708
1,083	650	531	833	413	5,262	15,346
8,178	3,933	7,183	6,767	4,992	44,319	1,35,805
545	52	35	70	18	1,235	1,706
1,406	937	1,994	1,969	711	9,209	29,807
66	117	21	150	98	915	2,692
767	464	719	255	605	4,967	17,527
1,474	1,327	2,523	1,104	872	10,185	38,608
4,259	2,897	5,292	3,548	2,304	26,511	90,340
73,293	28,972	63,100	67,490	37,067	4,00,426	12,25,998
1,06,316	46,201	93,415	1,17,360	62,605	6,05,576	18,71,074
+ 1,50,107	+ 1,29,627	+ 2,54,085	+ 42,677	+ 73,779	+ 8,16,760	+ 16,79,435

**ANNUAL FORM NO. 26.—Revenue received and Outstandings on account of Revenue during the year 1917-18.**

Division.	Particulars.	Outstandings at commencement of the year.	Value of sales and other revenue during the year.	Total.	Amount realised during the year.	Balance due to the Department at end of year.	Remarks.
1	2	3	4	5	6	7	8
<b>NORTHERN CIRCLE.</b>		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Direction	Miscellaneous	...	18 0 0	18 0 0	18 0 0	—	Column 6 includes the following:—
North-Mandla (a)	Timber and other produce...	15,142 2 9	97,571 5 8	1,12,713 8 5	1,06,220 4 11	6,493 3 6	A.—Amount deducted as correction of entries in the accounts.
South-Mandla (b)	Do.	16,630 4 0	1,10,677 13 7	1,27,308 1 7	1,23,647 10 8	3,663 6 11	B.—Amount written off as irrecoverable.
Jubbulpore-Narsinghpur (c)	Do.	1,030 11 9	1,19,539 9 1	1,20,570 4 10	1,16,070 15 10	4,499 5 0	A. B.
Damoh (d)	Do.	3,048 4 0	1,56,740 11 2	1,59,788 15 2	1,47,135 15 2	12,653 0 0	Rs. a. p. Rs. a. p.
Saugor (e)	Do.	1,672 0 0	1,41,001 8 6	1,42,673 8 6	1,36,422 0 0	6,251 8 6	(a) 37 8 0 24 15 0
Hoshangabad (f)	Do.	900 0 0	2,44,773 5 4	2,45,673 5 4	2,44,474 7 6	1,198 13 10	(b) 5,577 14 9 48 10 0
Seoni (g)	Do.	2,050 0 0	2,04,444 4 2	2,06,494 4 2	1,87,609 9 0	18,884 11 2	(c) 17 6 0 1,617 0 0
Chhindwara (h)	Do.	6,925 5 0	1,32,964 7 5	1,39,889 12 5	1,38,367 0 2	1,522 12 3	(d) — —
							(e) 505 0 0 144 0 0
							(f) 150 0 0 —
							(g) 2,770 0 0 —
							(h) 1,194 2 0 44 5 6
	<b>Total</b>	47,398 11 6	12,07,731 0 11	12,55,119 13 5	11,99,065 15 3	55,163 13 2	... 8,251 14 9 1,878 13 3
<b>SOUTHERN CIRCLE.</b>							
Direction	Miscellaneous	...	12 8 3	12 8 3	12 8 3	—	
Balaghat	Timber and other produce...	3,908 2 0	1,68,865 11 0	1,72,773 13 0	1,57,163 10 9	15,610 2 3	(a) Includes Rs. 986-14-0 written off as irrecoverable.
Balaghat School	Miscellaneous	...	1,489 10 1	1,489 10 1	1,489 10 1	—	
Bhandara	Timber and other produce...	4,651 8 0	1,22,211 2 1	1,26,862 10 1	1,20,197 10 1	6,665 0 0	
Bilaspur	Do.	...	66,165 14 0	66,165 14 0	64,780 14 0	1,385 0 0	
North-Chanda	Do.	1,259 2 1	1,58,800 12 8	1,60,059 14 9	1,59,442 11 0	617 3 9	
South-Chanda	Do.	3,44,005 11 8	1,56,699 4 10	5,01,605 0 6	1,72,730 4 3	3,27,874 12 3	(b) Includes Rs. 30-5-1 written off as irrecoverable.
Nagpur-Wardha	Do.	7,580 11 0	1,10,782 3 4	1,18,362 14 4	1,10,502 13 4	7,860 1 0	Includes Rs. 3,324-4-0 on account of commutation dues for 1918-19 remitted, vide Local Government sanction No. 120-A-XV-C-146, dated the 20th May 1918.
North-Raipur	Do.	55 0 0	58,942 0 11	58,997 0 11	58,798 0 11	199 0 0	(c) Includes Rs. 28 written off as irrecoverable.
South-Raipur	Do.	1,237 5 4	1,00,339 8 5	1,01,576 13 7	96,578 13 7	4,998 0 0	
	<b>Total</b>	3,63,597 8 1	9,44,308 11 5	13,07,906 3 6	9,49,717 0 3	3,65,189 3 3	
<b>BERAR CIRCLE.</b>							
Direction	Sales of timber and other forest produce and miscellaneous sources.	...	4 7 0	4 7 0	4 7 0	—	
Melghat	Do.	11,044 2 3	1,49,539 20 2	1,60,583 12 5	1,60,036 9 11	547 2 6	
Amraoti	Do.	23,581 5 4	1,30,959 12 3	1,54,541 1 7	1,35,384 1 7	18,157 0 0	
Boldana	Do.	...	1,46,783 11 9	1,46,783 11 9	1,44,385 11 9	2,400 0 0	
Yeotmal	Do.	...	3,51,852 15 1	3,51,852 15 1	3,47,499 15 1	4,353 0 0	
Akola	Do.	708 0 0	1,76,507 8 8	1,77,215 8 8	1,75,825 0 8	1,387 8 0	
Nimar	Do.	290 7 0	2,56,526 5 10	2,56,815 12 10	2,56,423 6 10	393 6 0	
Betul	Do.	2,937 0 0	2,15,322 3 10	2,18,259 3 10	2,01,775 3 10	16,484 0 0	
	<b>Total</b>	38,569 14 7	14,27,526 10 7	14,66,097 0 2	14,22,335 8 8	43,763 0 6	
<b>TOTAL CENTRAL PROVINCES AND BERAR.</b>		4,49,557 2 2	35,79,576 6 11	40,22,123 9 1	36,65,018 8 2	4,64,115 0 11	

ANNUAL FORM NO. 27.—[PRESCRIBED].—Outstandings and Liabilities on account of Contractors and Disbursers for the Forest year 1917-18.

Division.	Department Debtor.			Department Creditor.			Balance due.		Remarks.
	At commencement of year.	Recoveries in cash and value of supplies and work done during the year.	Total.	Opening balance.	Payments made during year.	Total.	To Department (Outstandings).	By Department (Liabilities).	
1	2	3	4	5	6	7	8	9	10
	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
<b>NORTHERN CIRCLE.</b>									
Direction	...	8,296 10 1	8,296 10 1	219 12 8	8,203 0 4	8,422 13 0	126 2 11	...	
North-Mandla	...	46,298 12 6	46,298 12 6	148 12 2	46,626 10 5	46,775 6 7	476 10 1	...	
South-Mandla	...	50,972 4 2	50,972 4 2	3,256 14 3	50,073 1 0	55,329 15 3	2,357 11 1	...	
Jubbulpore-Narsinghpur	...	86,216 11 4	86,216 11 4	347 12 7	85,200 5 4	86,548 1 11	331 6 7	...	
Damoh	...	1,06,320 7 5	1,06,320 7 5	6,805 2 7	1,03,707 12 4	1,10,512 14 11	4,192 7 6	...	
Saugor	...	1,12,944 15 7	1,12,944 15 7	2,895 8 8	1,15,887 13 4	1,18,783 6 0	5,838 6 5	...	
Hoshangabad	...	4,31,041 7 2	4,31,041 7 2	4,074 6 2	4,32,051 15 2	4,36,126 5 4	2,084 14 2	...	
Seoni	...	61,772 14 5	61,772 14 5	1,697 8 0	61,159 5 5	62,856 13 5	1,083 15 0	...	
Chhindwara	...	51,524 2 4	51,524 2 4	536 15 4	51,639 3 7	52,176 2 11	652 0 7	...	
Total	...	9,55,388 5 0	9,55,388 5 0	19,982 12 5	9,55,549 2 11	9,75,531 15 4	20,143 10 4	...	
<b>SOUTHERN CIRCLE.</b>									
Direction	...	18,811 14 11	18,811 14 11	359 2 1	18,850 2 9	19,209 4 10	397 5 11	...	
Balaghat	...	1,09,843 10 1	1,09,843 10 1	2,522 14 1	1,10,261 7 11	1,12,784 6 0	2,940 11 11	...	
Balaghat School	...	23,318 8 6	23,318 8 6	152 5 7	23,674 15 8	23,827 5 3	508 12 9	...	
Bhandara	...	1,2,872 15 5	1,02,872 15 5	1,570 0 8	1,05,616 4 8	1,07,186 5 4	4,313 5 11	...	
Bilaspur	...	34,129 0 1	34,129 0 1	1,772 6 11	34,631 6 10	36,403 13 9	2,274 13 8	...	
North-Chanda	...	1,97,829 4 7	1,97,829 4 7	3,957 7 6	1,96,857 2 2	2,00,814 9 8	2,985 5 1	...	
South-Chanda	...	85,297 10 10	85,297 10 10	2,775 15 7	87,912 11 8	90,688 11 3	5,391 0 5	...	
Nagpur-Wardha	...	2,98,030 15 3	2,98,030 15 3	5,628 14 0	2,96,420 14 10	3,02,049 12 10	4,018 13 7	...	
North-Raipur	...	46,574 14 3	46,574 14 3	1,571 6 6	46,066 15 9	47,738 6 3	1,163 8 0	...	
South-Raipur	...	72,799 4 10	72,799 4 10	2,558 8 6	73,301 10 11	75,860 3 5	3,060 14 7	...	
Total	...	10,79,508 2 9	10,79,508 2 9	22,960 1 5	10,83,593 13 2	11,06,562 14 7	27,054 11 10	...	
<b>BERAB CIRCLE.</b>									
Akola	...	45,746 8 5	45,746 8 5	2,183 4 9	44,404 13 9	46,588 2 6	94 10 1	...	
Amraoti	...	3,65,743 0 7	3,65,743 0 7	7,366 14 5	3,66,022 7 9	3,73,389 6 2	7,646 5 7	...	
Betul	...	1,26,049 7 1	1,26,049 7 1	13,213 0 5	1,16,033 2 9	1,29,246 3 2	3,196 12 1	...	
Buldana	...	70,405 4 7	70,405 4 7	3,497 5 0	69,856 5 3	73,353 10 3	2,948 5 8	...	
Melghat	...	96,779 1 9	96,779 1 9	11,973 0 2	98,398 13 4	1,10,370 13 6	12,591 11 9	...	
Nimar	...	3,27,302 15 6	3,27,302 15 6	13,793 2 10	3,36,615 5 0	3,50,438 7 10	23,135 8 4	...	
Yeotmal	...	1,60,604 6 8	1,60,604 6 8	5,603 8 0	1,87,842 9 7	1,93,446 1 7	32,841 10 11	...	
Direction	...	21,117 0 10	21,117 0 10	251 8 5	21,312 5 7	21,663 12 0	546 11 2	...	
Total	...	12,13,747 13 5	12,13,747 13 5	57,080 12 0	12,40,515 13 0	12,98,406 9 0	84,748 11 7	...	
TOTAL CENTRAL PROVINCES AND BERAR.	...	32,48,644 5 2	32,48,644 5 2	1,00,932 9 10	32,79,658 13 1	33,80,591 6 11	1,31,947 1 9	...	

## APPENDIX A.

*Statement showing number of animals grazed in Government Forest and its actual revenue therefrom and the value of grazing had the commercial rate been charged for the animals during 1917-18.*

Kind of animals.	Privileged.			Ordinary.			Full Amount.		Free.		Right-holders.		Total.			Remarks.
	Number of animals.	Actual amount realised.	Value at full rates.	Number of animals.	Actual amount.	Value at full rates.	Number of animals.	Value at full rates.	Number of animals.	Value at full rates.	Number of animals.	Value at full rates.	Number of animals.	Actual value realised.	Value at full rates, i. e., Commercial rate.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
		Rs.	Rs.		Rs.	Rs.		Rs.		Rs.		Rs.		Rs.	Rs.	
<b>NORTHERN CIRCLE.</b>																
Buffaloes	400	94	400	53,253	39,129	60,748	94,067	1,05,863	559	1,118	...	...	148,979	1,45,086	1,68,129	
Bullocks and Cows	559,815	53,874	3,72,177	155,624	60,683	1,01,064	206,531	1,34,252	23,330	13,814	...	...	944,700	2,48,809	6,21,307	
Sheep and Goats	...	...	...	1,470	184	276	29,588	5,275	133	25	...	...	31,191	5,459	5,576	
Other animals	...	...	...	...	...	...	1,117	773	...	...	...	...	1,117	773	773	
<b>Total</b>	<b>5,59,615</b>	<b>53,968</b>	<b>3,72,577</b>	<b>210,347</b>	<b>99,996</b>	<b>1,62,088</b>	<b>331,303</b>	<b>2,46,163</b>	<b>24,022</b>	<b>14,957</b>	<b>...</b>	<b>...</b>	<b>1,125,287</b>	<b>4,00,127</b>	<b>7,95,785</b>	
<b>BERAR PROPER.</b>																
Buffaloes	2,095	952	3,501	...	...	...	130,207	1,08,795	38	61	...	...	132,420	1,09,747	1,12,357	
Cows and Bullocks	261,781	66,035	1,50,373	...	...	...	493,221	3,21,020	206,451	1,08,973	375	375	964,828	3,87,955	5,81,641	
Sheep and Goats	1,493	133	385	...	...	...	255,356	57,870	27	5	...	...	256,876	58,003	58,260	
Other animals	270	51	225	...	...	...	1,886	981	3	2	...	...	2,159	1,034	1,210	
<b>Total</b>	<b>268,639</b>	<b>67,171</b>	<b>1,54,484</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>880,760</b>	<b>4,89,568</b>	<b>206,519</b>	<b>1,09,041</b>	<b>375</b>	<b>375</b>	<b>1,355,293</b>	<b>5,58,739</b>	<b>7,53,468</b>	
<b>NIMAR AND BETUL.</b>																
Buffaloes	...	...	..	13,297	9,567	25,657	28,425	52,517	120	195	...	...	42,042	62,084	78,370	
Cows and Bullocks	105,086	13,906	96,081	49,091	16,554	44,267	61,845	56,813	10,467	9,689	...	...	226,489	87,273	2,06,850	
Sheep and Goats	...	...	...	4	1	1	66	12	246	39	...	...	316	13	52	
Other animals	...	...	...	39	15	20	41	25	101	77	...	...	182	40	122	
<b>Total</b>	<b>105,086</b>	<b>13,906</b>	<b>96,081</b>	<b>62,031</b>	<b>26,137</b>	<b>69,945</b>	<b>90,378</b>	<b>102,367</b>	<b>10,934</b>	<b>10,001</b>	<b>...</b>	<b>...</b>	<b>269,229</b>	<b>1,49,410</b>	<b>2,85,594</b>	
<b>GRAND TOTAL</b>	<b>373,725</b>	<b>81,077</b>	<b>2,50,565</b>	<b>62,031</b>	<b>26,137</b>	<b>69,945</b>	<b>971,158</b>	<b>5,98,935</b>	<b>217,453</b>	<b>1,19,042</b>	<b>375</b>	<b>375</b>	<b>1,625,322</b>	<b>7,05,149</b>	<b>10,28,162</b>	
<b>TOTAL CENTRAL PROVINCES AND BERAR.</b>	<b>937,340</b>	<b>1,35,045</b>	<b>6,22,142</b>	<b>272,978</b>	<b>1,26,133</b>	<b>2,32,033</b>	<b>1,302,441</b>	<b>8,45,095</b>	<b>241,475</b>	<b>1,38,939</b>	<b>375</b>	<b>375</b>	<b>2,750,609</b>	<b>11,06,276</b>	<b>18,34,647</b>	

Figures exclude transit cattle 60,573, nomadic sheep and goats 3,050 and buffaloes 2,010, revenue Rs. 8,875, Rs. 1,515 and Rs. 1,507, respectively.

## APPENDIX B.

*Statement showing the amounts under other sub-heads of main head R-II, when the sums received as commutation (and credited under R-II-g) are distributed appropriately amongst those other sub-heads for the Forest year 1917-18.*

Budget Heads.	North-Mandla Division.	South-Mandla Division.	Jubbulpore-Narsinghpur Division.	Damoh Division.	Saugor Division.	Hoshangabad Division.	Seoni Division.	Chhindwara Division.	Total.
1	2	3	4	5	6	7	8	9	10
<b>NORTHERN CIRCLE.</b>									
<b>REVENUE.</b>									
<b>I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—</b>									
a. Timber	..	..	..	..	..	..	..	..	..
b. Firewood and charcoal	..	..	..	..	..	..	..	..	..
c. Bamboos	..	..	..	..	..	..	..	..	..
d. Sandal-wood	..	..	..	..	..	..	..	..	..
e. Grass and other minor produce.	..	..	..	..	..	..	..	..	..
Total I	..	..	..	..	..	..	..	..	..
<b>II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—</b>									
a. Timber	17,992	35,871	12,129	22,179	17,253	1,48,670	51,416	30,060	3,36,570
b. Firewood and charcoal	8,252	7,234	17,833	10,521	9,759	27,979	19,524	5,932	1,07,034
c. Bamboos	10,613	8,205	6,847	2,356	4,378	27,407	12,193	8,339	80,938
d. Grazing and fodder grass.	48,345	51,433	31,700	73,629	80,286	24,499	77,057	73,393	4,60,372
e. Other minor produce	12,874	6,379	7,123	28,680	8,872	4,829	12,055	6,107	86,919
f. Other items	..	..	..	..	..	..	..	..	..
g. Commutation fees	..	..	..	..	..	..	..	..	..
Total II	98,076	1,10,722	75,632	1,37,365	1,20,548	2,33,384	1,72,275	1,23,831	10,71,333
<b>III.—DRIFT AND WARP WOOD AND CONFISCATED FOREST PRODUCE.</b>									
Total III	..	..	..	..	..	..	..	..	..
<b>IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—</b>									
a. Duty on foreign timber and other forest produce.	..	..	..	..	..	..	..	..	..
b. Revenue from shared and private forests.	..	..	..	..	..	..	..	..	..
Total IV	..	..	..	..	..	..	..	..	..
<b>V.—MISCELLANEOUS —</b>									
a. Fines and forfeitures	..	..	..	..	..	..	..	..	..
b. Refunds	..	..	..	..	..	..	..	..	..
c. Other sources	..	..	..	..	..	..	..	..	..
Total V	..	..	..	..	..	..	..	..	..
<b>GRAND TOTAL REVENUE</b>	..	..	..	..	..	..	..	..	..