

REPORT
ON THE
FOREST ADMINISTRATION
OF THE
CENTRAL PROVINCES
FOR THE YEAR
1916-17

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Central Provinces Administration

FOREST DEPARTMENT

Nagpur, the 5th February 1918.

READ :—

Report by the Chief Conservator of Forests on Forest administration in the Central Provinces for the year 1916-17.

RESOLUTION.

Though handicapped by the absence of a large portion of the Imperial staff, the Forest Department has been able during the year not merely to maintain steady progress in the development and management of the forests but also to cope successfully with the heavy extra duties which the war has imposed on it. The report of the Chief Conservator of Forests is a record of good work performed under difficulties, and the Chief Commissioner desires to congratulate Mr. Hill and his officers on the way in which these difficulties have been met.

2. Regarding the classification of forests, demarcation, survey and the preparation of working-plans, the Chief Commissioner has little to add to what the Chief Conservator says, but he would like to emphasise the importance of the work, which Mr. Hill mentions as now being done in Seoni, of the Forest Department and the Settlement staff co-operating to remove all discrepancies between the forest and village maps. The question affects all districts. Discrepancies are often merely paper ones arising from the forest and revenue surveys having been carried out by independent agencies, but real differences do exist, due either to one or other of the maps being wrong or to the faulty cutting of fire-lines on the ground, and they have in the past been a source of friction. Sir Benjamin Robertson therefore desires that at all settlements the verification and, where necessary, the reconciliation of joint forest and village boundaries should receive careful attention. The Chief Commissioner notices that the revised working-plans of the South and North Raipur Divisions are now ready and will shortly be submitted for sanction. Developments in the way of supplying the villages of the Chhattisgarh plain with fuel and small timber are very necessary, and it is trusted that progress can be made in this direction when the new working arrangements are introduced.

3. The war has brought home the importance of the forests in a way that was not fully realized before, and Sir Benjamin Robertson regards it as very false economy, even in a time of financial stringency, to starve them of the money which is essential for their exploitation in the interest of the country; and the ever increasing gross and net income they yield is full justification for incurring this most productive form of expenditure. During the year Rs. 81,933 more than in 1915-16 was spent on conservancy and works, the money being devoted to construction of communications and buildings and to other improvements.

The surplus revenue amounted to over 16 lakhs, although no charge was made for grass supplied for military requirements. In the past six years the surplus revenue has been more than doubled, the return for 1911-12 having been under seven and three-quarter lakhs.

4. The amount spent on communications is more than double that of last year, when the figure was abnormally low, and almost all the money spent on new works was, the Chief Commissioner is glad to observe, devoted to regular cart roads. The increase of such roads and the development of the general scheme of communications in the Province must for some time remain the chief method of facilitating the putting of forest produce on the market. The question of a service of Forest Engineers was raised during the year by the Government of India, but the Chief Commissioner has given it as his opinion that the nature of the Central Provinces forests is such that, while the deputation of an expert to examine the more important of them with a view to introducing more advanced methods of exploitation is a measure he would welcome, he is unable for the present to hold that the services of a special Engineer or Engineers are necessary.

In buildings there has also been a considerable rise in expenditure, due to past economy. Four-fifths of the new expenditure has been on the housing of the subordinate staff, but much still remains to be done in this direction. The Chief Commissioner regards this as an important part of the policy of development, as proper accommodation is essential for a contented staff, without which progress must be hampered.

5. The provision of water for cattle in dry grazing areas, to which reference was made in last year's Resolution, has received adequate attention. The experiments carried out with the damming of streams in the Nimar and Melghat Divisions are promising, and the Chief Commissioner has directed that this method should be tried in other Divisions where water is scarce, with a view to its general adoption where conditions permit. The experiments show that, provided proper care is taken in the selection of the site, an effective water-supply can be obtained throughout the hot weather at a trifling cost.

6. The total number of forest offences was almost the same as in the previous year; cases of unauthorised grazing increased by 480, while under the other chief heads there was a decline. Numerous reasons are assigned for local fluctuations, the most interesting being that military grass work, by withdrawing the staff from their regular duties, prevented the detection of offences. The Chief Commissioner notices that the number of cases in which rewards were given for the detection of offences was double the previous year's figures. He would repeat what he said two years ago that circumspection is needed in this respect, as the practice is obviously susceptible of abuse.

7. Mr. Hill's account of the results of fire protection is highly satisfactory. At a less cost than in 1915-16, the percentage of success has risen from 97 to 99 and the area burnt has fallen from 263 to 92 square miles. The rain in the hot weather months was favourable to saving the forests from fire, but the good results may also be attributed to the policy of excluding less valuable areas from regular protection and bringing them under the system of early burning, which is now reported to be generally well understood.

8. Except in Yeotmal, where the introduction of a new working-plan naturally caused a certain amount of initial discontent, which was partly justified and was allayed by modifications which experience of working showed to be called for, but which in certain cases was found to be engineered, the grazing rules appear to have worked smoothly on the whole. It is probable that they are now coming to be better understood, although their complexity, as remarked in last year's Resolution, is a drawback, which is almost inseparable from the grant of favoured rates to agriculturists. There was a small decline in the total number of animals grazed, for which many reasons, some economic and some seasonal, are given. More than half the animals grazed at less than full rates, a concession which, judged by the sum which would have been received had full rates been charged for all animals, amounted to as much as ten lakhs of rupees.

9. Mr. Hill gives an interesting account of the technical side of the Department's activities. The Chief Commissioner recognises the zeal with which he and his officers have responded to the call which the war has made on them. The

efforts to supplement the tanning materials of the Empire are of great importance, and the success of the Department in meeting the demand made in January for 20,000 tons of hay for the Army reflects the greatest credit on all concerned. The names of the officers who did good work in this connection have already been brought to the notice of the Government of India. Success was attained by the close co-operation of the Forest officials with the District authorities, and Sir Benjamin Robertson is confident that in the current year, when the needs of the Army have risen to over 70,000 tons, the Department will achieve equally good results.

10. The Chief Commissioner desires to acknowledge the attention which is constantly given, under Mr. Hill's guidance, to the wants of the people in so far as these can be met consistently with the proper preservation of the forests. In the previous year it was brought to light that serious discontent had been raised in the Damoh Division by certain ill-considered action which had been taken with a view to safeguarding and increasing the revenue. This state of affairs has now been put to rights, and the large reduction of 3,311 in the number of animals impounded in the Northern Circle, which is referred to in paragraph 13 of the review, is, the Chief Commissioner believes, an index of the altered methods which have been adopted in Damoh. The introduction of new working-plans has necessitated in several districts the limitation of animals admitted to graze in the forests. Sir Benjamin Robertson observes that in the Nagpur-Wardha Division, where this problem was a particularly difficult one, the reduction has been carried out without exciting any complaints, a result which is particularly creditable to the Divisional Forest Officer, Rao Bahadur Shrinivasulu Naidu. In Saugor the question has arisen of the people finding it difficult to obtain their requirements owing to the sale of standing coupes to contractors. This is a matter which is likely to arise elsewhere and the Chief Commissioner desires that in each case it should receive the attention of the District and Forest Officers.

11. The recent increase in the pay of the subordinate Forest establishment has not so far brought about much improvement in the class of men recruited, and it is still found difficult to retain men in the service or to obtain from them satisfactory work. The experiment which is being made in the Nagpur-Wardha Division of training Forest guards in their duties is on the right lines, and if it proves successful, it should be taken up in other Divisions. It might then be possible to grant a special increment to guards who take the course and obtain certificates after passing through it. Sanction has recently been given to revision of the pay of Range clerks. A reform which is hardly less pressing is the offer of better emoluments to the clerical establishments of Divisional Officers, a matter which the Chief Conservator has under his consideration.

12. To Mr. Hill, the Conservators and the officers whose names are mentioned in the report, the Chief Commissioner tenders his thanks. He knows that the success which has been attained in the year, especially in the extra work which the war has thrown on the Department, has been achieved only by strenuous efforts on the part of the superior staff. He deeply regrets the death of Mr. J. Donald, Deputy Conservator, while on military duty, in whom the Forest Service has lost a promising officer; also of Mr. C. V. Sarvate, Extra-Assistant Conservator, who had done good work for many years in Saugor. Rao Bahadur S. G. Paranjpe, Extra-Deputy Conservator, retired during the year on an invalid pension, after having held charge of the Jubbulpore Division and having throughout his career rendered thoroughly efficient service to the Administration.

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 Circle, Southern Circle and Berar Circle, 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.*

REPORT ON THE FOREST ADMINISTRATION OF THE CENTRAL PROVINCES FOR THE YEAR 1916-17.

1. With the continued absence of one-third of the Imperial Staff on Military Service and a sudden call in January by the Army Department for 20,000 tons of hay, the energies of the Department were somewhat severely taxed during the year under review. Notwithstanding the disabilities necessarily attendant on the prevailing conditions, considerable progress on more or less normal lines was maintained, as will be seen from the following sections on the different branches of Forest Administration compiled from the reports of the Conservators of the three Circles.

The revenues were well maintained, the gross revenue being in excess by Rs. 1,89,840 as compared with the preceding year and Rs. 5,20,533 compared with the average of quinquennial period immediately preceding the year under review.

The surplus amounted to Rs. 16,19,913 as against Rs. 15,25,729 in 1915-16 and Rs. 10,20,490 of the five years' average. The details of the operations taken to supply the hay mentioned above for the Overseas Forces are shown in a supplementary chapter. It may be mentioned here that the Hon'ble the Chief Commissioner agreed to the supply of the grass free of all royalty.

It has been decided, however, in respect to other supplies such as tan stuffs, timber, etc., that royalty should be charged, not so much with the object of increasing the Forest revenues, but to show the commercial possibilities of various products, particularly tan stuffs, whose potentialities in regard to post-war developments might be obscured if they were extracted under unusual conditions. Commissioners and Deputy Commissioners have, as usual, in forwarding the Divisional Reports made several interesting remarks and suggestions, and these will be considered by the Chief Conservator and Conservators when visiting the Divisions to which they refer.

AREA AND CLASSIFICATION.

2. In Form No. 7 are shown the details of the changes that occurred in the areas of State reserved forests in the three Forest Circles during the year under review. The net result of these changes was a gain of 6 square miles (4,061 acres). While the areas of State forests in the Northern Circle remained practically the same as last year, there being a reduction of 246 acres only, the areas in the Southern and Berar Circles increased by 5 and 1 square miles, respectively. The increase in the Southern Circle occurred almost entirely in the South Raipur Division, where, on a reference from the working-plans officer, a recalculation was undertaken by the Forest Map Office, Dehra Dun, of the areas shown on certain 4" survey sheets, which disclosed inaccuracies in previous returns. In the Berar Circle, apart from the mutual gain and loss of 50 square miles due to interchanges of area between the A and C class forests, the former class of forests increased by 5 square miles owing to transfers from G and H lands and exchanges of areas, while the C class forest showed a decrease of 4 square miles, due almost entirely to disforestments.

The increases and decreases in the areas fell under the following heads :—

		Gain (acres).	Loss (acres).
Afforestments and disforestments	...	510	2,706
Transfers from G and H lands	...	2,635	...
Correction of areas	...	17,188	14,505
Exchanges	...	2,495	1,435
Boundary rectification	...	4	53
Revision of Rewah State border	...	46	119
	Total	22,879	18,818
Net increase	...	4,061	

The areas of several classes of State forests at the beginning and the close of the year compare as follows :—

		Area on 1st July 1916 (square miles).	Area on 30th June 1917 (square miles).
Central Provinces (proper) ...	A class	15,700	15,705
	B class	625	625
Berar (proper) ...	A class	2,265	2,317
	C class	1,076	1,025
Total		19,666	19,672

The proportion of the total forest area to the total area of the Provinces remained the same as last year, namely, one-fifth.

The area under the management of the Irrigation Department increased by 1 square mile at the close of the year (from 21 to 22 square miles) and that under the management of the Public Works Department remained the same as last year, *viz.*, 1 square mile.

FOREST SETTLEMENTS.

3. Out of the 9.12 square miles under settlement at the commencement of the year, 0.09 square mile was found to be incorrect and written off. Thus the actual area remained to be settled was 9.03 square miles. An additional area of 8.08 square miles was taken in hand during the year, and out of this total area of 17.11 square miles, 8.77 square miles were finally settled, 0.50 square mile was transferred to E class, and for an area of 0.60 square mile it was decided that it should not be notified as reserved forest, thus leaving a balance of 7.24 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.

DEMARCATATION.

4. The total length of boundaries at the close of the year was 35,269 miles against 35,345 miles at the beginning, a reduction of 76 miles. While there was an increase of three miles in the Southern Circle due to the demarcation of certain plots of malguzari lands in the South Raipur Division, the Northern and Berar Circles showed decreases of 15 and 64 miles, respectively. The reduction in the former Circle took place in the North Mandla and Saugor Divisions and was due to changes in forest areas and exchanges of lands. In the latter Circle the decrease occurred mainly in the Yeotmal and Betul Divisions. While changes in the forest areas resulted in a reduction of 15 miles in the Yeotmal Division, in the Betul Division it was found that 42 miles of boundary of areas previously disforested was still shown on the registers. A decrease of 7 miles occurred in the Akola Division owing to disforests. In all 133 miles of new boundary was made during the year, Northern Circle 30, Southern Circle 3, and Berar Circle 100, and was due to changes in areas. In the Berar Circle in the Yeotmal Division in anticipation of the introduction of Mr. Ley's grazing settlement in the Pusad, Kelapar and Wun Taluks for the year 1917-18 it was found necessary to demarcate the A class areas formed by proposed transfers of C, G and H class lands with a view to enabling the people to know the limits of their grazing units, and this was accordingly done. Out of the total boundary of 35,269 miles, the length of artificially demarcated boundaries was 32,036 miles, the natural boundaries not requiring artificial demarcation being 3,094 miles, and 139 miles (in the Akola and Yeotmal Divisions of the Berar Circle) remained to be demarcated. The following is the classification of work done on demarcating boundaries during the year :—

	Miles.
1. Length of lines over which all pillars were put into thorough repairs.	4,752
2. Length cleared without reference to fire protection.	7,696
3. Length checked with survey maps	2,765

The total expenditure on the demarcation work rose from Rs. 13,089 in 1915-16 to Rs. 18,399 in the year under report, an increase of Rs. 5,310, which was shared by all Circles. Out of this, Rs. 1,719 were spent on new works, and the maintenance of old boundaries cost Rs. 16,680.

It is satisfactory to note that the action taken last year in regard to the negligence, and in some cases reluctance, of Malguzars to clear half the boundary lines of their forests in the Damoh Division has had the desired effect. It is reported that previous notices were given to them through Tahsildars, and the lines were cleared in time during the year under report. In the Seoni Division the demarcation work in the past years is reported to have been unsatisfactory where, owing mainly to the incompetence of the draftsman, the maps concerning boundary alterations have been found to disagree with the actual lines as laid out on the ground, and advantage is being taken of Settlement operations now in progress in that Division to eliminate useless pillars and to settle disputed boundaries. Steps are also being taken through the Deputy Commissioner to remedy the troubles with Malguzars in this matter. The desirability of attaching any Extra-Assistant Conservator to assist in the improvement work of boundaries has been suggested for this Division, but it does not appear likely that the services of an officer will be available in the near future. In the Nimar Division a number of encroachments and discrepancies were discovered and several boundary disputes were settled.

SURVEYS.

5. No survey work was done by the Government of India Survey Party in the Northern and Southern Circles. In the Berar Circle, they carried out work in part of the Melghat Division. In this Circle, surveys were also locally carried out in the Melghat and Yeotmal Divisions, where Rs. 515 was spent in all. The survey of forest villages by the agency of the local Forest Staff was continued in the Southern Circle, where 11 villages in all (7 in Balaghat, 1 in North Chanda and 3 in North Raipur) were surveyed.

Besides the above, two maps for the Raipur Working-plans were published during the year, while several others were in the different stages of preparation.

CONSTITUTION OF STATE FORESTS.

6. The following statement compares the total expenditure on the constitution of State forests during the year under review and the preceding one:—

Circle.		Year (1916-17).	Year (1915-16).	Difference.
		Rs.	Rs.	Rs.
Northern	...	9,215	5,864	+ 3,351
Southern	...	5,526	3,888	+ 1,640
Berar	...	22,422	18,575	+ 3,847
Total		37,165	28,327	+ 8,838

There was an increase of Rs. 8,838 towards which all the Circles contributed. The increase in the Northern Circle is attributed to the curtailment of funds in the previous year, while the increase in the Southern Circle fell entirely under "Demarcation", where more work was done during the year in accordance with the five-year schemes than in the preceding year. In the Berar Circle the Melghat Rajas were paid Rs. 17,120 against Rs. 13,996 as compensation for forest rights; the increased expenditure under this head was due to one Raja's compensation having been withheld in 1915-16.

WORKING-PLANS.

7. During the year under review two new working-plans were sanctioned by the Local Government, one for the mixed forests of the Balaghat Division for an area of 770 square miles (680 square miles of revision and 90 square miles of new area) and the other for the entire forests of the Melghat Division.

1,175 square miles (693 square miles of revision and 482 square miles of new area). As regards the revised working-plans for the South and North Raipur Divisions, the Special Revenue Officer's report thereon is with the Commissioner of the Chhattisgarh Division and will shortly be submitted to the Local Government. The Conservator, Southern Circle, has discussed the plan with the two Divisional Forest Officers and has furnished the Commissioner with a note, and hopes that when orders on the Revenue Officer's proposals have been passed by the Local Government, the plans will be completed without delay. In the meanwhile the prescriptions of the two plans are being worked and experience gained. The Conservator, Berar Circle, reports that the new working-plan for the forests of the Amraoti Division is under compilation and should be ready by next year. As the introduction of the grazing settlements recommended under the proposed working-plan for the Yeotmal Division in the Yeotmal and Darwha Taluks gave satisfactory results, sanction was accorded to their extension to the remaining three taluks of the Division (Wun, Kelapur and Pusad), and the working-plan which was in course of preparation last year has now been completed and sent to Press. However, the prescriptions of the working-plan as regards fellings were carried out during the year under the new scheme in anticipation of sanction. The field work for the working-plan for the forests of the Sironcha Range of the South Chanda Division was completed during the year, and it is hoped that the preliminary report will be submitted shortly. The revision of the existing working-plans for the North Chanda Division is still held in abeyance for the reasons stated in the last year's review. As suggested by the Chief Conservator in his Inspection Note, the field work for the revised working-plan for the Wainganga Felling Series of the Markhanda Range of the South Chanda Division was undertaken during the year but was not completed.

As the rotation of fellings prescribed in the existing working-plan for the old Narsinghpur Division was found to be unsuitable and a demand had arisen in areas previously unworked, a revised scheme was prepared and submitted to the Local Government and was sanctioned. Corrections to the working-plan are being drawn up. Pending the revision of all the existing working-plans for the forests of the Seoni Division, a provisional felling scheme was in force. The Divisional Forest Officer has, however, prepared a revised provisional felling scheme to meet the altered conditions which have arisen with a very largely increased demand, and the scheme is under the consideration of the Chief Conservator (pending the approval of the Deputy Commissioner and Commissioner of the grazing proposals involved). It is highly desirable, however, that as soon as circumstances permit a proper working-plan for this Division should be drawn up.

The provisions of the sanctioned working-plans were adhered to so far as it was practicable. In the Balaghat Division the fellings in the Raigarh Range are still about three years in arrears owing to labour and transport difficulties, while two coupes in Bhandara and all the coupes of the year in the Nagpur-Wardha Division could not be felled owing to want of demand.

It is reported that the altered conditions in the Hoshangabad Division in respect of markets, communications, methods of exploitation, etc., calls for an early revision of the existing working-plans, and accordingly the Divisional Forest Officer has been collecting data, more particularly in regard to the most suitable financial rotation.

Annual plans of operations were prepared for all Divisions and were acted up to as far as circumstances and funds permitted. The Conservator, Southern Circle, points out that owing to the employment of the staff on the Army Hay Operations in the Bhandara and Nagpur-Wardha Divisions, several works sanctioned in the plans of operations could not be carried out. Similarly in the Nimar Division these operations were a disturbing factor in some ranges and led to the abandonment of the project of improving the Nerbudda River crossing, while in the Yeotmal Division labour difficulties prevented completion of some works.

The following statement shows the progress made in working-plans during the year :—

Circles.	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 year.
	At commencement of year.	Added during year.	Deducted during year.	At close of year.		Plans under preparation.	Plans not under preparation.			Done 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).		equivalent at present.	Not required at present.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.		Sq. miles.	Sq. miles.	Sq. miles.					
Northern Circle	4,957	...	1	4,956	76	...	55	1,485	6,506	...	...	...	...
Southern Circle	5,914	95	...	6,009	86	329	2	609	6,949	1,112	1,548	680	...
Berar Circle	4,331	482	...	4,813	77	980	...	424	6,217	...	19	693	593
Total	15,212	577	1	15,788	80	1,309	57	2,518	19,672	1,112	1,567	1,373	593

From this it will be seen that out of the total area of State forest of 19,672 square miles, sanctioned working-plans exist for an area of 15,788 square miles, or 80 per cent, the plans for 1,567 square miles of which are in progress of revision, and revision is required for 1,112 square miles, but has not yet been undertaken. New plans are being prepared for an area of 1,309 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 2,518 square miles. These are mostly B and C class forests.

COMMUNICATIONS.

8. In the following statement are compared the amount of work done and the cost incurred on communications during the year under review and the preceding year :—

Circle.	Year.	New works.		Repairs.		Total cost.
		Length.	Cost.	Length.	Cost.	
		Miles.	Rs.	Miles.	Rs.	Rs.
Northern	1915-16	98	5,918	1,174	7,973	13,891
	1916-17	188	22,387	1,229	10,128	32,515
Southern	1915-16	104	6,662	2,373	6,856	13,518
	1916-17	100	8,189	2,360	10,915	19,104
Berar	1915-16	42	4,919	1,767	8,467	13,386
	1916-17	65	23,421	2,187	1,4939	38,360
Total	1915-16	244	17,499	5,314	23,296	40,795
	1916-17	353	53,997	5,776	35,982	89,979
	Difference	+ 109	+ 36,498	+ 462	+ 12,686	+ 49,184

It will be seen from the above that the total expenditure under this head for the Province as a whole during the year 1916-17 exceeds that in 1915-16 by Rs. 49,184. The increase is common to all Circles and occurred both under "New works" (Rs. 36,498) and "Repairs" (Rs. 12,686). The large increase in the Berar Circle (from Rs. 13,386 to Rs. 38,360) is attributed to the abnormal rainfall of 1916 coupled with the very small sums spent on repairs, which necessitated a larger expenditure on these works. In the Northern Circle the curtailment of funds in the previous year is stated as the reason for more expenditure

under this head, while in the Southern Circle more money was spent on roads in all Divisions except Bhandara and North Raipur. The total expenditure on "New works" amounted to Rs. 53,997 against Rs. 17,499; this amount was spent as follows:—

Rs. 49,033 on 175 miles of regular cart roads.
Rs. 2,151 on 76 miles of bridle paths.
Rs. 2,513 on 102 miles of other paths, etc.

It is satisfactory to note that out of a total amount of Rs. 53,997 under this head, as much as Rs. 49,033 or 91 per cent has been spent on "regular cart roads". These works were mainly in the Damoh, Hoshangabad, Jabulpore-Narsinghpur and Seoni Divisions in the Northern Circle, Balaghat and Nagpur-Wardha Divisions of the Southern Circle, and Nimar and Betul and also Melghat Divisions in the Berar Circle. In the Damoh Division several of the important roads left incomplete last year were completed during the year. Two wooden causeways were constructed in the Hoshangabad Division over the Denwa and Tawa rivers, and one is reported to have been found to stand the traffic well. In the Seoni Division the work on the important Sakata-Katangi road was started. The Chindlaighat road in the Balaghat Division was completed during the year, the total cost being Rs. 4,018, of which Rs. 500 was contributed by the District Council. It appears that this road will be of more utility to the public than to the Forest Department. In this same Division, surveys and estimates were prepared for two important road schemes in the Paraswara Range. These roads when completed will, it is anticipated, result in a marked increase in revenue. Of the total outlay on "New Works" in the Berar Circle Rs. 15,650 represents the contribution made to the Betul District Council towards the construction of the Nanda-Bhainsdehi road. This road will supply a long-felt want and considerably improve the facilities for the export of bamboos and timber from the Tapti Range.

BUILDINGS.

9. The following statement compares the total expenditure on buildings, etc., incurred during the year under report and that preceding thereto:—

Circle.	Year.	New works, cost.	Repairs, cost.	Pay of mali, etc., cost.	Total.
		Rs.	Rs.	Rs.	Rs.
Northern	1915-16	4,579	8,313	184	13,076
	1916-17	16,093	10,124	255	26,472
Southern	1915-16	3,954	7,988	...	11,942
	1916-17	4,772	9,301	...	14,073
	1915-16	7,325	11,357	...	18,682
	1916-17	7,040	17,111	...	24,151
Total	1915-16	15,858	27,658	184	43,700
	1916-17	27,905	36,536	255	64,696
	Difference	+ 12,047	+ 8,878	+ 71	+ 20,996

It will be seen that the total outlay on these works rose from Rs. 43,700 in 1915-16 to Rs. 64,696 in 1916-17 or by 49 per cent. The increase occurred under both "New Works" and "Repairs" and was shared by all the Circles, especially by the Northern and Berar Circles. A total amount of Rs. 27,905 was spent on new works, of which Rs. 1,233, or 5 per cent, were spent on headquarters houses, Rs. 3,186, or 11 per cent, on rest-houses, Rs. 22,877, or 82 per cent, on housing the subordinate establishment and Rs. 609, or 2 per cent, on other miscellaneous buildings. The increase of Rs. 11,514 in the Northern Circle has not been explained, but it is presumed that owing to the necessity for economy due

to the war, many important works withheld during 1915-16 were constructed during the year under report, as funds permitted. The Conservator, Southern Circle, points out that building works in his Circle are still seriously cut down owing to war economy. The increase in the Berar Circle was common to all Divisions, Buldana and Betul excepted. The conditions of many buildings in the Melghat and Amraoti Divisions is reported to be far from satisfactory. This is due in part to economy in the past two years, and the increased expenditure was therefore inevitable. The Divisional Forest Officer, Nimar, points out that for some time past the existing rest-houses in that Division have been in a very bad condition, but adequate repairs are now contemplated. It is also pointed out that a good deal still remains to be done in connection with the proper housing of the subordinate staff, notably in the Melghat Division.

TANKS, WELLS AND OTHER MISCELLANEOUS WORKS.

10. The following statement compares the total expenditure incurred on these works during the years 1915-16 and 1916-17:—

Circle.	Year.	New works.				Repairs.				Grand total cost.
		Tanks, cost.	Wells, Jhiras, etc., cost.	Compound fencing, etc., cost.	Total cost.	Tanks, cost.	Wells, Jhiras, etc., cost.	Compound fencing, cost.	Total cost.	
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern ...	1915-16 ...	200	1,042	...	1,242	30	601	589	1,220	2,462
	1916-17 ...	...	3,014	175	3,189	200	813	966	1,979	5,168
Southern ...	1915-16 ...	766	2,502	1,150	4,418	936	619	1,137	2,692	7,110
	1916-17 ...	44	3,379	64	3,487	1,051	866	1,317	3,234	6,721
Berar ...	1915-16 ...	...	591	179	770	...	565	657	1,222	1,992
	1916-17 ...	229	2,786	...	3,015	...	577	1,066	1,643	4,658
Total ...	1915-16 ...	966	4,135	1,329	6,430	966	1,785	2,383	5,134	11,564
	1916-17 ...	273	9,179	239	9,691	1,251	2,256	3,349	6,856	16,547
	Difference ...	-693	+5,044	-1,090	+3,261	+285	+471	+966	41,722	4,983

There was an increase of Rs. 4,983 under this head (Rs. 16,547 against Rs. 11,564). While the Southern Circle showed a decrease of Rs. 389, this was more than counterbalanced by increases of Rs. 2,706 and Rs. 2,666, respectively, in the Northern and Berar Circles. The increase in the Northern Circle has not been explained. The Conservator, Berar, reports that the increased expenditure was due to the construction of a number of wells in the Yeotmal, Akola and Betul Divisions. Out of the total expenditure of Rs. 16,547, Rs. 9,691 was spent on new works against Rs. 6,430 in the preceding year and Rs. 6,856 against Rs. 5,134 on "Repairs". Under "New Works" there has been a large increase of Rs. 5,044 on the construction of wells, etc., which was somewhat compensated by decreases of Rs. 693 and Rs. 1,090 under "Tanks" and "Compounds". In the Melghat and Nimar Divisions temporary bunds were erected in streams to test the value of sites for storing water in years of short rainfall by means of masonry dams. While on this subject the Conservator points out that in the Melghat the idea of constructing such dams came up 40 years ago, when 17 so-called anicuts were erected by the Public Works Department. No provision, it seems, was made for scouring, and the dams silted up at once. The sites were also badly selected. Only one of these old anicuts is of any practical use. Two others are capable of improvement, and one of these is now being altered by the Public Works Department. As directed by the Government, the experiment substituting nala bunds for tanks in the grazing tracts to provide water for cattle was carried out in the Nimar Division. A report was received after the close of the year, and it seems likely that the adoption of these methods may prove to be of considerable value in many Divisions of the Province.

The total outlay on communications, buildings and wells and other works amounted to Rs. 1,71,222 during the year against Rs. 96,059 in the preceding year, an increase of Rs. 75,163, the reasons for which have been explained above.

GENERAL PROTECTION.

11. The number of Forest offences during the year under report is compared with that in the year 1915-16 and with the average of the three preceding years in the following statement:—

Nature of offence.	Northern Circle.				Southern Circle.				Berar Circle.				Total Province.				Percent- age to total cases of 1916-17.
	Average three years.	1915-16.	1916-17.	Increase or decrease over 1915-16.	Average three years.	1915-16.	1916-17.	Increase or decrease over 1915-16.	Average three years.	1915-16.	1916-17.	Increase or decrease over 1915-16.	Average three years.	1915-16.	1916-17.	Increase or decrease over 1915-16.	
I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I—Injury by fire ...	141	175	78	—97	93	100	62	—38	49	75	58	—17	283	350	198	—152	14
II—Unauthorized felling.	2509	2,423	2,582	+159	1,353	1,679	1,571	—108	1,629	1,789	1,432	—337	5,491	5,891	5,605	—286	399
III—Unauthorized grazing.	1,834	2,197	2,454	+257	1,475	1,815	1,914	+99	2,906	3,042	3,166	+124	6,215	7,054	7,534	+480	536
IV—Other offences.	105	128	64	—64	62	114	165	+51	459	400	480	+80	626	642	709	+67	51
Total ...	4,589	4,923	5,178	+255	2,983	3,708	5,712	+4	5,043	5,306	5,156	—150	12,615	13,937	14,046	+109	

The total number of offences rose from 13,937 in 1915-16 to 14,046 in 1916-17, an increase of 109 cases, which exceeded the average by 1,431 cases. Out of the total number of 14,046 cases, 198 cases, or 14 per cent, were cases of "Injury by fire," 5,605 cases, or 399 per cent, fell under "Unauthorized

fellings", 7,534 cases, or 53.6 per cent, were of "Unauthorized grazing" and 709, or 5.1 per cent, were "Other offences". There was a decrease of 152 cases and 286 cases respectively under the former two heads, but these decreases were more than counterbalanced by increases of 480 cases and 67 cases under the latter two heads. While the increase in the Southern Circle was only 4 cases, there were 255 cases more in the Northern Circle and a decrease of 150 cases in the Berar Circle, the net result being an increase of 109 cases for the Province as a whole.

The Conservator, Southern Circle, remarks that the increase would have been more had it not been for the great fall in the number of cases in the North Chanda Division under the heads of "Unauthorized fellings" and "grazing" said to be due to the Military grass operations which kept subordinates for some time from their ordinary duties.

I.—Injury by Fire.—The cases under this head showed a reduction of 152 cases over those of 1915-16. The decrease was common to all Circles, Northern Circle 97, Southern Circle 38 and Berar Circle 17. With the exception of the South-Mandla and Jubbulpore-Narsinghpur Divisions, the decrease in the Northern Circle was shared by all Divisions, and is said to be due to the favourable climatic conditions. In the Saugor Division it is attributed to the exclusion of certain forest areas from fire protection where there had been difficulties in the previous years. The occurrence of fewer forest fires during the year as explained in the following section has been given as the reason for the reduction in the Southern Circle.

The Divisions mainly responsible for the fall of cases under this head in the Berar Circle were Amraoti, Buldana and Betul, showing decreases of 11, 6 and 19 cases, respectively, which were, however, diminished by increases of 7, 1, 6 and 5 in the Melghat, Yeotmal, Akola and Nimar Divisions. The frequent rain throughout the hot weather, which rendered the grass less inflammable, is said to be the main factor for the reduction in the Amraoti and Betul Divisions, while the increase in the Melghat Division is ascribed to fires in early burnt areas which were not protected at all in previous years.

II.—Unauthorized Fellings.—Under this head also there was a net reduction of 286 cases, 5,605 cases in 1916-17 against 5,891 cases in 1915-16. The Northern Circle showed an increase of 159 cases, but this was more than compensated by decreases of 108 and 337 cases respectively in the Southern and Berar Circles. In the Northern Circle the Divisions which showed increases were South-Mandla (203 cases), due to the re-organization of the previous apathetic staff in the Dindori Range and to the strict enforcement of the nistar felling rules; Jubbulpore-Narsinghpur (73 cases), due to offenders of a village in the Murwara Range, who failed to commute for nistar; and Seoni (92 cases) due to the greater vigilance on the part of the staff. The Hoshangabad Division showed an increase of 2 cases only. The better results in the Seoni Division are, the Divisional Forest Officer considers, due to the granting of small rewards to subordinates and others who exert themselves in detecting difficult or troublesome cases. The Conservator observes that the Divisional Forest Officer is probably correct in this, but that the system has its drawbacks and requires careful supervision, with which view the Chief Conservator agrees. There were decreases in the remaining four Divisions: North Mandla (104 cases), attributed to the deterrent effect of heavy compensation levied; Damoh (40 cases), due to the better facilities afforded to the villagers to meet their requirements through coupe contractors; Chhindwara (43 cases), to more leniency shown in disposing of the cases; and Saugor (24 cases). From Saugor, two serious cases of theft are reported in the Banda Range. In one of these the thieves resisted seizure of the stolen property and beat the Forest Guard with fatal results. The late Guard's family was awarded pensions; the culprits escaped with only a few years' imprisonment. In another case, the offenders were a certain reputed gang of dacoits, who have settled down as cultivators, and the theft committed was of a considerable amount of timber. The case was, however, compounded. Three cases of similar nature are also returned by the Seoni Division due, according to the Divisional Forest Officer, to the slackness or dishonesty of subordinates. In two of these cases some malguzars and their servants were implicated, while in the third only two villagers were concerned. Heavy compensation was levied in two of the cases; the other case was

challaned by the Police, and the Malguzar was let off and his servants were punished. For the decrease in the Southern Circle the Balaghat and the North-Chanda Divisions, with a reduction of 94 and 101 cases, respectively, were chiefly responsible.

The decrease in the latter Division is explained above. In the South Raipur Division, where there was an increase of 70 cases, the Balaghat system of marking stamps, as described in last year's report, was introduced, and the results are said to be satisfactory. The Divisional Forest Officer remarks "it is a common practice for the people to enter the forests and hack down their requirements during the monsoons and to bring these out some months after under cover of a license for dry wood." The Conservator observes that permission to remove dry wood, unless very closely supervised, invariably results sooner or later in the illicit preparation of dry wood. The decrease in the Berar Circle occurred mainly in the Melghat, Yeotmal, Nimar and Betul Divisions. In the Melghat Division it is attributed to the late kharif harvest which kept the people otherwise engaged. The increase in the number of coupes available for timber and fuel and the timely marking and opening out of coupes caused the reduction in the Yeotmal Division. The stoppage of the practice of seizure of produce uncovered by licenses in the vicinity of Government forests was responsible for the decrease in the Betul Division. The decrease in the Nimar Division is said to be more apparent than real, as the staff in four out of the eight ranges in that Division were fully occupied with military grass supply for three months during which period detections were few.

III. Unauthorised Grazing The increase of 480 cases (from 7,054 to 7,534) under this head for the Province as a whole was shared by all Circles: Northern 257, Southern 99 and Berar 124. Excepting the North-Mandla, Saugor and Hoshangabad Divisions, which showed decreases of minor importance, the increase in the Northern Circle was contributed to by the remaining Divisions: South Mandla 45, Jubbulpore-Narsinghpur 40, Damoh 9, Seoni 173 and Chhindwara 55. Better control and check of cattle has been ascribed as the reason for the increase in the first three Divisions, while the introduction of the system of temporarily transferring Range Assistants from one Range to another at the time of checking licenses is said to be the cause for the increase in the Chhindwara Division. The increase in the Seoni Division is attributed to the same reasons as lead to the increase in the cases of "Unauthorized Fellings", viz., the grant of rewards to subordinates. In the Southern Circle the Bilaspur, North-Chanda, Nagpur-Wardha and South-Raipur Divisions showed decreases of 21, 106, 2 and 2 cases respectively, but these were more than counterbalanced by increases of 65, 46, 51 and 68 cases respectively in the Balaghat, Bhandara, South-Chanda and North-Raipur Divisions. The Divisional Forest Officer, South Chanda, attributes the increase to the system, which led to the increase in the Chhindwara Division of the Northern Circle, as explained above, to which factor also the increases in the other Divisions are said to be probably due. In the North-Raipur Division a second check was instituted and unlicensed cattle were found grazing with licensed cattle. The fall of 106 cases in the North-Chanda Division is attributed to the military grass operations which kept some of the subordinates from their ordinary duties. For the increase in the Berar Circle the Amraoti and Nimar Divisions were chiefly responsible. In the former Division the increase is said to be due to better vigilance on the part of the protective staff, while that in the latter Division is attributed to the very strict and continuous check on cattle maintained throughout, as advocated by the Chief Conservator in his Inspection Note on this Division.

Other offences.—Against a decrease of 64 cases in the Northern Circle there were increases of 51 and 80 cases in the Southern and Berar Circles respectively, the net result being an increase of 67 cases for the Province. As the offences under this head are of a miscellaneous nature and as the variations are very small, they call for no special remarks. The decrease in the Northern Circle was common to all Divisions. For the increase in the Southern Circle the Balaghat and North-Chanda Divisions were mainly responsible, while that in the Berar Circle occurred mainly in the Yeotmal Division. The illicit removal of minor forest produce and the disorganization of village life by plague and cholera, whereby many cattle-owners left villages taking their passes with them instead of leaving them with the herdsmen, are stated to be the reasons for the increase.

Disposal of Forest Offence cases.—The total number of cases that remaining pending at the close of the year 1915-16 was 1,582. 59 cases of these were withdrawn or cancelled, thus leaving a balance of 1,523 cases at the beginning of the year. Added to the cases that occurred during the year under report, *vis.*, 14,041, excluding 5 cases withdrawn during the year, the total number of cases to be disposed of was 15,564. Out of these, 200 cases, or 1·3 per cent, against 253 cases, or 2 per cent, were taken to Court, 13,343 cases, or 85·7 per cent against 13,133 cases, or 84 per cent, were compounded under Section 67 of the Indian Forest Act, 584 cases, or 3·8 per cent, against 614 cases, or 4 per cent, remained undetected and 1,437 cases, or 9·2 per cent, against 1,582 cases, or 10 per cent, remained pending at the close of the year. Out of the 200 cases decided by Court convictions were obtained in 146 cases, the acquittals being 54. The percentage of convictions obtained for the Province as a whole fell from 79 in the year 1915-16 to 73 in the year under report. Whereas this percentage in the Northern Circle fell from 78 to 66, those in the Southern and Berar Circles rose from 82 to 84 and 77 to 79 respectively. With the exception of the Nimar and Yeotmal Divisions, where there is said to be a tendency to be lenient with grazing cases, the punishments awarded by Magistrates are reported to have been generally speaking adequate. The Divisional Forest Officer, Nimar, reports a test case in which the question arose whether a Bania in possession of cattle under a mortgage was entitled to the concessions for the cattle which the owner (a cultivator) would have got. The case was decided in favour of the Bania. In the North-Raipur Division two malguzars were convicted of bribing Forest Guards to release cattle seized for grazing without licenses.

Of the total number of cases compounded (13,343), compensation was recovered in 13,334 cases, the acquittals being 9 cases. The average compensation realized per case and per person was Rs. 7-1-4 against Rs. 6-10-3 and Rs. 2-11-9 against Rs. 2-9-8 in the Northern Circle; Rs. 7-13-1 against Rs. 8-12-8 and Rs. 2-10-2 against Rs. 2-6-9 in the Southern Circle and Rs. 12-12-1 against Rs. 10-13-0 and Rs. 3-12-7 against Rs. 3-12-7 in the Berar Circle. It will be seen that while more compensation was levied per case in the Northern and Berar Circles, the Southern Circle showed a decrease of nearly one rupee per case. The average rate of compensation per person remained exactly the same as last year in the Berar Circle, those in the Northern and Southern Circles showing an increase of 2 annas and 3 annas (in round figures) respectively.

The total number of undetected cases for the Province as a whole fell from 614 in 1915-16 to 584 in the year under report, a decrease of 30 cases. There was an increase of 33 cases in the Berar Circle (157 against 124), but this increase was more than counterbalanced by decreases of 41 and 22 cases respectively in the Northern and Southern Circles.

The number of pending cases was 1,437 against 1,582 in the preceding year. Northern Circle 653 against 813, Southern Circle 329 against 304 and Berar Circle 455 against 465.

The number of cases in which rewards were granted for detection of offences and the amount of rewards during the year compare as follows with those in the preceding year:—

Circle.		Number of cases.	Amount of rewards.	Average amount per case.
1		2	3	4
Northern	1915-16	22	Rs. 127 0 0	Rs. 5 12 4
	1916-17	62	213 0 0	3 6 11
Southern	1915-16	105	403 0 0	3 13 5
	1916-17	214	340 0 0	1 9 5
Berar	1915-16	19	99 8 0	5 3 9
	1916-17	20	109 0 0	5 7 2
Total	1915-16	146	629 8 0	4 5 0
	1916-17	296	662 0 0	2 3 9

It will be seen from the above that except in the Berar Circle where there was an increase of 3 annas per case, there has been a tendency to give small rewards in these cases.

PROTECTION FROM FIRE.

12. The following statement compares the results of fire protection of the year 1916-17 with those of the preceding two years:—

Circle.	Year of protection.	Area attempted to be protected (square miles).	Flures (square miles).	Area actually protected (square miles).	Percentage of area successfully protected.	Cost	Remarks.
1	2	3	4	5	6	7	8
Northern	1914-15	3,363	45	3,318	99	Rs. 35,604	The cost is inclusive of expenditure on early burning in all cases.
	1915-16	3,441	118	3,323	97	34,747	
	1916-17	3,410	40	3,370	99	35,082	
Southern	1914-15	4,551	39	4,512	99	38,461	
	1915-16	4,034	73	3,963	98	39,232	
	1916-17	3,844	21	3,823	99	38,518	
Berar	1914-15	3,791	102	3,689	98	36,930	
	1915-16	3,445	74	3,371	97	28,153	
	1916-17	3,082	31	3,051	99	20,485	
Total	1914-15	11,705	186	11,519	98	1,10,995	
	1915-16	10,920	263	10,657	97	1,02,137	
	1916-17	10,336	92	10,244	99	94,085	

There was a further decrease of 584 square miles in the area attempted to be protected, the areas for the years 1915-16 and 1916-17 being 10,920 square miles against 10,336 square miles. The reduction occurred in all Circles and was shared as follows:—Northern Circle 31 square miles, Southern Circle 190 square miles and Berar Circle 363 square miles. In the Northern Circle, while the area in the Damoh Division rose by 93 square miles, due to the extension of systematic protection according to the sanctioned fire protection scheme, this was more than made up by decreases of 123 square miles in the Saugor Division and 1 square mile in the Seoni Division. This fall of 123 square miles is said to be due to the exclusion of grazing areas from systematic fire protection, as sufficient protection against fire is afforded to them by the heavy grazing permitted. In the Southern Circle 1 square mile was added under systematic fire protection. Against this, decreases occurred in the North-Chanda Division (109 square miles), Balaghat Division (43 square miles) and South Raipur Division (39 square miles). All these areas were excluded from regular fire-protection and brought under "early burning." The Divisions responsible for the reduction in the Berar Circle were Melghat 62 square miles, Yeotmal 12 square miles, Nimar 274 square miles and Betul 15 square miles. The same reason as is given for the decrease in the Southern Circle is also ascribed to this reduction. As regards the policy of "early burning" the Conservator, Northern Circle, reports that it was tried with poor results owing to the subordinates misunderstanding the orders and taking little interest in the work. The weather conditions also are said to have been unfavourable. However, in four of the ranges in the Jabulpore-Narsinghpur Division to which these operations were extended the results are said to have been satisfactory. In the Southern Circle "early burning" was resorted to in all Divisions except Bhandara in which, owing to the military grass operations it could not be carried out. It is reported that this system of burning is now thoroughly understood in all Divisions of the Circle, and, if carried out sufficiently early in the season, appears to cause no damage. The Conservator remarks that the difficulty is to get the fire to spread, but even if the grass is partially burnt off, the danger likely to be caused by a fire

later on is much reduced. The effects of "early burning" in the Berar Circle are being kept under observation. The Conservator suggests that all fires occurring in early burnt forests after the date on which the departmental early burning ceases should be reported and treated in the same manner as the fires that take place in areas under regular protection are done. This suggestion will be considered at the next Conservators' Conference. He further points out that in the Dhulghat Range of the Melghat Division, where no protection of any kind had been attempted in the past, 10 fires occurred after the departmental firing was stopped; these were promptly extinguished and only 3 per cent of the range was burnt, a result which is creditable to the staff. The system of burning off savannahs in the sal forests of the Balaghat Division was continued with success, a strip being left unburnt to enable the sal to spread.

The year was more favourable as regards protection from fire than the preceding two years. A total area of 92 square miles was burnt against 263 and 186 square miles respectively. The decrease was shared by all Circles: Northern Circle 40 square miles against 118 square miles, Southern Circle 21 square miles against 71 square miles and Berar Circle 31 square miles against 74 square miles. These good results were largely due to the prolonged monsoon and to frequent showers of rain during the fire season. The only Division in which more area than last year was burnt was the Seoni Division, the increase being only 554 acres. The percentages of failures in the Northern and Berar Circles was reduced from 3 in 1915-16 to 1 in the year under report, while that in the Southern Circle from 2 to 1. This percentage for the Province as a whole was 1 against 3. The most successful Division in the Northern Circle was Hoshangabad where only .001 per cent of the area attempted to be protected was burnt, the Saugor Division being the worst with a percentage of 4.18 of the area burnt. The lowest percentage of failure in the Southern Circle again occurred in the South Chanda Division (.03 per cent), the highest being returned by the South Raipur Division (1.11 per cent). In no Division of the Berar Circle (except the Nimar Division, where the failure amounted to 4 per cent) did the percentage of failure rise above 1, the Division in which the least area was burnt being as usual the Melghat. As in the last year the Singhpur Range in the South Raipur Division and the Panthora Range in the Bilaspur Division were the least successful. In the former there were four fires burning an area of 1,558 acres due, it is thought, to malicious firing by discontented coupe contractors, but no clue leading to a prosecution was forthcoming in any case. The block of the Panthora Range in which this year 7 fires spread over an area of 3,527 acres has been repeatedly burnt for many years. The Conservator was unable to tour in this range as expected, but various measures designed to protect the more valuable portions will be tried next year, and the Chief Conservator trusts that these will lead to more successful results.

The area successfully protected was 10,244 square miles in 1916-17 against 10,657 square miles in the preceding year, the percentages of success for these years being 99 and 97 respectively. These percentages by Circles were:—Northern Circle 99 against 97, Southern Circle 99 against 98 and Berar Circle 99 against 97.

Including the cost of areas early burnt, the total expenditure on fire protection fell from Rs. 1,02,137 in 1915-16 to Rs. 94,085 in the year under report, a decrease of Rs. 8,052. While there was an increase of Rs. 335 in the Northern Circle, the Southern and Berar Circles showed decreases of Rs. 719 and Rs. 7,668 respectively. The average cost of protection per square mile was —

Circle.	1915-16.			1916-17.		
	Rs.	a.	p.	Rs.	a.	p.
Northern	10	1	7	10	4	4
Southern	9	11	8	9	10	0
Berar	8	0	5	6	10	4
Province	9	4	7	9	1	7

Though for the Province as a whole there has been a reduction in the average cost of protection per square mile, the Northern Circle showed an increase of Re. 0-3-0 against decreases of Re. 0-1-8 and Rs. 1-6-1 in the Southern

and Berar Circles respectively. The latter is an appreciable decrease and occurred chiefly in the Yeotmal Division, where heavy grazing concentrated on the old fire lines, combined with an unusual demand for grass and favourable climatic conditions reduced the expenditure per square mile to the abnormal figure of 7 annas and 9 pies per square mile. The Divisional Forest Officer reports that it is unlikely that he will be able to work in future at any thing like the same figure, as the necessary concentration of grazing on fire lines is exceedingly difficult to ensure. Though for the Circle as a whole the cost of protection per square mile in the Southern Circle showed a decrease, there were increases in the North Raipur, Nagpur-Wardha, Balaghat and Bilaspur Divisions against decreases in the remaining Divisions. The increased cost in the North Raipur Division (Rs. 2-3-2) is said to be due to the improvement made in several fire lines which were either very crooked or narrow, while that in the Nagpur-Wardha (Re. 0-12-0) to several after burnings of fire lines necessitated by rains throughout the season.

The fires that took place during the years 1915-16 and 1916-17 are classified according to their origin in the following statement :—

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).	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
I	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
A. Burning fire lines ...	21	26	7,191	4,944	16	3	5,115	938	19	6	8,357	428	56	35	20,663	6,310
B. Crossing exterior lines.	20	11	8,756	5,683	32	4	6,998	1,965	9	4	15,686	1,470	61	19	31,430	9,018
C. Persons in forests (accidents).	11	8	6,175	766	14	11	4,983	1,597	9	13	7,410	1,561	34	39	18,568	3,984
D. Persons in forests (incendiary).	11	9	10,034	500	10	4	4,376	2,014	...	...	...	...	21	6	14,430	2,314
E. Railway Engines ...	12	2	1,963	292	4	1	550	925	3	1	110	7	19	4	1,623	1,284
F. Lightning or fire balloons.	...	1	...	2	2	...	15	...	1	2	35	14,832	1	3	50	14,834
G. Causes unknown ...	79	44	41,395	13,521	57	18	23,640	6,144	33	14	15,701	1,418	169	76	20,736	21,083
Total ...	154	94	75,494	25,608	124	41	43,677	13,583	74	40	47,299	19,716	362	175	168,470	58,907

It will be seen that there was a marked reduction both in the number of fires and the acreage burnt, which was shared by all Circles. During the year 175 fires occurred burning an area of 58,907 acres against 362 fires burning 1,68,470 acres, in the preceding year. Compared by origin of fires there was a decrease under almost every head for the Province as well as by Circles. On the whole, the results of the year were exceptionally satisfactory.

PROTECTION FROM CATTLE.

13. The total area closed to grazing for the whole or part of the year was 3,517 square miles, or 18 per cent of the total forest area, which showed an increase of 44 square miles over that in the year 1915-16, viz., 3,473 square miles. Thus the total area which was thrown open to the grazing of animals throughout the year amounted to 16,155 square miles during the year against 16,193 square miles in 1915-16. In 10,158 square miles of this area, however, camels, sheep and goats were not admitted to graze. It is reported that in the Yeotmal Division the year under report was a year of scarcity of karbi which increased the demand for fodder grass and grazing and consequently the

coupes which had benefited by three full years of closure to grazing after felling and the remoter areas reserved for fodder grass had to be thrown open to grazing after February.

The total number of animals impounded during the last two years are compared in the following statement:—

Circle.	1915-16.	1916-17.	Difference.
1	2	3	5
Northern ...	7,096	3,785	—3,311
Southern ...	4,454	4,573	+119
Berar ...	3,788	4,895	+1,107
Total ...	15,338	13,253	—2,085

Against an increase of 119 and 1,107 animals in the Southern and Berar Circles respectively, there was a great reduction of 3,311 animals in the Northern Circle, which resulted in a net decrease of 2,085 animals for the Province as a whole. This fall has not been explained.

PROTECTION AGAINST INJURIES FROM NATURAL CAUSES.

14. *Frost*.—No frost of serious nature is reported from any of the three Circles. In the Northern Circle, while the Damoh Division entirely escaped from frost, elsewhere little or no damage was done. In the Southern Circle in the Balaghat Division the regrowth of sal in the open savannahs was as usual set back by frost, but there was no widespread damage to forest growth as recorded last year. The Divisional Officer remarks "that the recovery of the areas which were severely damaged by frost in February 1916 has been as satisfactory as could be expected, but a serious feature of the present state of these forests is the large number of poles and saplings which had their leading shoots killed. In the great majority of cases this leader is sooner or later replaced, but there remains a bayonet-shaped formation of the stem at the point where the original injury occurred, which is practically certain to lead to unsoundness in later life. It is to be feared that when the present crop of poles becomes ripe for felling and conversion, the percentage of sound trees in these frosted areas will be exceedingly small."

The Conservator, Berar, states that observation of the effect of the sharp frost of February 1916 shows that little real damage was done except in restricted areas in the north of Nimar Division. Anjan was found to be completely immune even in the worst areas and showed powers of resistance not evidenced by any other species.

Wind and Hailstorms.—No serious damage is reported to have been done by wind either in the Northern or Berar Circle, some damage was caused in the Bilaspur and South Raipur Divisions of the Southern Circle. In the latter Circle, hailstorms were very frequent in the Betul Division, but it is said that their severity was invariably very local: the worst occurred in the Machna valley, where a large number of trees were damaged or blown down. In the North Chanda Division of the Southern Circle also very severe hailstorms passed over a portion of the district, and in some areas the trees were defoliated, but the damage does not appear to be of permanent nature. Slight damage was also done to the harra crop in the North Mandla Division.

Insects.—Though the damage done by the teak leaf defoliator in parts of the North Mandla and Damoh Divisions is reported to have been slight; in the Bori Range of the Hoshangabad Division and in the Ghat portion of the Sillewani Range of the Chhindwara Division it was more than usual. A moderate attack of this pest was also noticed in a few localities in the Yeotmal and Nimar Divisions. Rather serious damage was done to "Tendu" (*Diospyros melanoxylon*) in the Bhandara Division by caterpillars during April and May soon after the new leaves appeared. It may be mentioned that the leaves of this species are used in the manufacture of "biris" (country cigarettes), and nearly Rs. 4,000 was obtained in this Division during the year from this source. Slight damage by the sal-borer is reported from the South Mandla and Bilaspur Divisions. While no further information regarding damage done by *Polyporus shoreæ* is available in the Southern Circle, the damage caused by this fungus in the Northern Circle in the South Mandla Division is said to have been very considerable: nearly 14 per cent of the trees marked for fellings were found to have been attacked and many others affected. Whilst the damage is often not apparent, the trees on being felled are found to be hollow. In the South Raipur Division, local attacks of the *Diapus furtivas* (Sampson) were observed in the coppice with standars exploited areas of the South Sihawa Range. It was noticed that perfectly healthy sal standards of under 3 feet girth, which were standing in isolated positions, were exuding resin profusely. Specimens of the beetle found were sent to the Zoologist, Forest Research Institute, Dehra Dun, and selected attacked trees have been marked for observation. In the Buldana and Akola Divisions the babul-boring beetle continued to damage babul plantations. In the latter Division the damage done was not serious, and frequent weeding between the lines of saplings is believed to have had the desired effect. In the former Division the method of destroying the larvæ by boiled water or kerosine oil, adopted from last year, was continued. Some damage from white-ants is reported from the South Mandla Division.

Drought.—No damage from drought is reported from any Circle. None of the sal trees selected for observation in the Baihar Range of the Balaghat Division in 1915 has died. The Divisional Forest Officer remarks that "points for consideration are whether poles which have been badly affected by drought are capable of yielding healthy and vigorous coppice and whether it is preferable to cut them back or to leave them as covering for the soil." The first point should be settled by experiment, and, if good coppice is obtained, this will serve for the necessary cover.

Wild animals.—More or less damage to coppice shoots by cheetal, sambhar and other deer is reported from a number of Divisions throughout the Province. In the North Sihawa Range of the South Raipur Division the numbers of nilgai have increased considerably. In the Yeotmal and Akola Divisions the destruction of wild pigs and nilgai was encouraged in the interests of agriculturists, 95 nilgai and 55 pigs were killed by permit-holders and 6 nilgai and 4 pigs by the Forest subordinates. 33 cheetal and 21 doe antelope were also killed in the Bhongaon Reserve of the Buldana Division, where complaints from cultivators of the adjacent fields had been frequent. Pigs and rats did some damage, as usual, to nurseries and young plantations in the Yeotmal and Akola Divisions. In the latter Division a rat-exterminator was used in nurseries with good effect.

Climbers.—The cutting of climbers was carried out in all Circles. In the Northern Circle the expenditure was Rs. 912 against Rs. 638 in the preceding year. In the Southern Circle this work was carried out in all Divisions, an area of 93,450 acres having been worked over at a cost of Rs. 3,037 during the year, against 81,873 acres and Rs. 2,315 in the preceding year. In the Berar Circle this work on payment was confined to the Melghat Division, where climbers were cut over an area of 21,583 acres at a cost of Rs. 1,843. In other Divisions they were cut at the time of marking and cutting-back operations; a large number of creepers were cut by Forest guards as usual, no expense being incurred.

NATURAL REPRODUCTION.

15. (i) *State of existing reproduction.*—Reproduction from seed is reported to have been satisfactory for the Province as a whole except in Yeomai, Buldana, Amraoti and Melghat Divisions of the Berar Circle, though in some of the Northern Circle Divisions it is said to have been poor, especially the harra crop in the South Mandla Division, which was not up to the average, and where also practically little or no sal seeded. The monsoon was copious and continued well into the cold weather, while the hot weather of 1917 was remarkable for frequent showers which developed into a very early monsoon, and these climatic conditions gave excellent results as regards regeneration almost everywhere in the Southern Circle. As regards the absence of reproduction in the Divisions of the Berar Circle referred to above, the Conservator remarks that there seems to be no doubt that only a very small percentage of the seedlings that appear yearly are able to survive their first hot weather and the mortality in the next few years is also high. The 9,000 teak seedlings marked in 1915 in the Melghat Division, of which only 15 per cent were reported to be alive last year, were kept under observation during the year under report and it was found that only 6 per cent survived in July 1917. The Conservator observes that this heavy rate of mortality, combined with the small proportion of the forest area in which seedlings appear at all, is sufficient to explain the comparative scarcity of recent seedling growth in the Melghat Reserves. The year under report was favourable for the reproduction by coppice, which has been reported to be satisfactory throughout the Province except in the Saugor Division of the Northern Circle, where the teak coppice is said to have been surprisingly poor in spite of the favourable season. It was also poor in some parts of the South Mandla Division. It is reported from the Balaghat Division that in the Baihar Range a number of sal trees of and over 4 feet girth, which were not intended to coppice and had been cut with high stumps, yielded vigorous shoots. In all cases these were found to have originated at ground level and not at the top of the stumps. Somewhat similar results have been observed in the South Raipur Division also. The results of the experiment referred to in the last year's report are still awaited.

(ii) *Measures for inducing or aiding reproduction.*—Nothing of importance is noted under this head in the Northern and Berar Circles. In the Southern Circle measures were carried out in all Divisions except Balaghat, North Chanda and North Raipur. In the Bilaspur Division bamboo seeds were sown broadcast during the rains of 1916 over an area of 10 acres but without result. In the South Chanda Division the area in which teak seed was sown last year in the Wainganga Felling Series was carefully examined during the year, but it is stated that up to date no seedlings have appeared. In the South Raipur Division sal seed, as an experiment, was sown under the shelter of *Tilia* (*Wendlandia exserta*) bushes over an area of 5 acres and *Tilia* seeds were sown in the open savannahs between sal belts. In another 4 acres *Tilia* seed was sown broadcast after first clearing the rank growth of grass. It is thought that this species will prove an effective nurse for sal.

16. *Tending operations in Natural Crops.*—The extent to which cutting back thinnings and other operations for the improvement of the growing stock were carried out during the year under report and the year preceding thereto is compared in the following statement:—

Circle.	Area in acres.		Cost.		Revenue.	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
1	2	3	4	5	6	7
			Rs.	Rs.	Rs.	Rs.
Northern ...	26,919	50,064	7,223	11,730	6,477	17,865
Southern ...	29,397	29,950	5,183	6,559	89	1,349
Berar ...	53,427	60,664	11,291	14,558	16,503	23,997
Total ...	109,743	140,678	23,702	32,847	23,069	43,211

It will be seen that the area over which these operations were carried out rose from 100,743 acres in 1915-16 to 140,678 acres in 1916-17, an increase of nearly 40 per cent. More than half the increase was in the Northern Circle, while for the remainder the Southern and Berar Circles were more or less equally responsible. The increase in the Northern Circle is said to have been due partly to the ready sale of the cut material and to more money being available than in the preceding year. In the Hoshangabad Division the operations were extended to the areas affected by frost and in the Saugor Division these operations were considered preferable to granting extensions to coupe contractors. In the Southern Circle the increases occurred in the Balaghat, Bhandara, and Nagpur-Wardha Divisions, while in the Bilaspur Division the operations were undertaken, it appears, for the first time. In the Balaghat and Bhandara Divisions these operations were conducted in coppice coupes. In the Nagpur-Wardha Division a scheme of improvement fellings to aid the spread of teak in the unworked felling series of the East and West Pench Ranges was drawn up in pursuance of the recommendations made in paragraph 50 of the Working Plan, but could not be given full effect to on account of the grass operations. The usual improvement fellings in the interests of valuable species were carried out in the Allapilli Range of the South Chanda Division, all previous balances being cleared off, the work being now up to date.

The cost of these operations was Rs. 32,847 against Rs. 23,702, the revenue being Rs. 43,211 against Rs. 23,069, in addition to material estimated at Rs. 2,717 remaining still to be sold in the Berar Circle.

The work of cutting back is of great importance, and it is satisfactory to note that the cost incurred was more than recouped by sales of the produce cut.

ARTIFICIAL REPRODUCTION.

17. (i) *Regular plantations*.—The Conservator, Northern Circle, now reports that in the areas under Regular Plantations shown by him last year 121 acres were wrongly included under this head, they actually belonged to "Cultural operations".

Consequently the total area under regular plantations at the beginning of the year under report was 739 acres instead of 860 acres as reported in last year's review, this area was increased to 763 acres at the close of the year. There were no alterations in the Northern Circle, but in the Southern Circle a further area of 6 acres was sown with *Pinus Khasya* and 10 acres with Sal in the Balaghat Division, while 8 acres were added to the Yeota bamboo plantations in the Akola Division of the Berar Circle. Out of the total acreage of 763 acres under these plantations, 193 acres are under "Bamboo" (Northern Circle 131, Southern Circle 7 and Berar Circle 55); 385 acres are under "Teak" (Northern Circle 362 and Southern Circle 23); 159 acres under "Sandal" (Northern Circle 3 and Southern Circle 156) and 16 and 10 acres respectively under "Chirpine" and "Sal" entirely in the Southern Circle.

In the South Mandla Division sal seed was sown in *bewar* areas, but it did not germinate. Similarly bamboo seeds sown in the Damoh Division also failed. In the Saugor Division 1,000 bamboo seedlings were planted to stock the area in the Garhakora forest more fully. During the year efforts to procure the seed of *Pinus longifolia* having failed, the pine plantations near Supkhar in the Raigarh Range of the Balaghat Division were extended with seeds of *Pinus khasya*. The seed was sown in ploughed strips, but the results were disappointing in spite of the favourable nature of the season. The seed germinated well, but a large number of seedlings were destroyed by caterpillars during the monsoon and others perished from drought later in the year. The Conservator remarks that the climate of Supkhar is probably too dry and hot in the hot weather for this species and that working of the soil more deeply and shading of the young plants are both required. The area sown with sal gave excellent results, and it is stated that there is much scope for the introduction of sal in the mixed forests of these Divisions. In the experimental teak plantations started last year at Gangrel in the South Raipur Division seeds were sown broadcast over the same area, half of which was ploughed up and the area then burnt. It is reported that after a month numerous seedlings of 1 to 1½ inches high appeared. The Yeota bamboo plantations in the Akola Division of the Berar Circle continued to give good results. The revenue from these plantations during the year amounted

to Rs. 607 (or over Rs. 20 per acre) against Rs. 351 in the preceding year. The total expenditure on these plantations from their commencement has been Rs. 1,899 against a revenue of Rs. 7,104.

(ii) *Taungya Plantations*.—These plantations are confined to the Berar Circle. The total area at the beginning of the year was 5,379 acres. To these 1,634 acres (Amraoti 1,045, Buldana 205, Akola 204 and Yeotmal 180) were added during the year, while an area of 602 acres was excluded as being fully stocked, thus the total area under this agri-sylvicultural system of artificial regeneration amounting to 6,411 acres at the close of the year. A system of annual payment instead of the payment of 7 years' rent in advance was introduced in the Amraoti Division with the result that an increase from Rs. 247 per acre to Rs. 631 per acre in the yearly rent was obtained. It is reported that several lessees in the Akola Division were fined for failure to comply with the conditions of their leases. The seed sown (teak) in the area given out in the Yeotmal Division failed to germinate and resowing was necessary.

(iii) *Other forms of artificial reproduction*.—The work of planting suitable shade trees in camping grounds in the Hoshangabad Division was continued during the year, but out of the 266 trees planted 12 were failures. It is reported that the sowings of teak, shisham, etc., in past years on selected plots in the Nagpur-Wardha Division have not shown successful results. Katang bamboos were sown in the West Pench Range of this Division and the germination is said to be fairly satisfactory. The sowing of sandal seed in the Akola Division was continued during the year. The sandal seedlings of previous years in this and the Buldana Divisions are reported to be thriving. The Chief Conservator is glad to be able to record his appreciation of the work of Mr. Inamati Shama Rao in this direction. From inspection of the results already attained it seems probable that in time considerable areas of very poor forests will become valuable sandal wood areas. His efforts too in regard to the increase of the bamboo supply should prove of value to the local cultivators.

800 teak seedlings obtained from the surrounding forests were planted out into an abandoned "barra" field in the Melghat Division, and earthed up on the Kanara [Bombay] system. Only 155 survived the hot weather. Better results were, however, obtained with 200 plants put out and tended in a similar manner on a small blank area in another locality of the same Division, 149 plants being alive in July 1917. The difference in success is said to be probably due to the fact that the second plot was within a couple of miles from the Range Headquarters, while the first was 15 miles away.

EXPLOITATION—MAJOR PRODUCE.

18. In the following statement are compared the areas subjected to the various methods of sylvicultural treatment during the last two years :—

Circle.	Clear felling. (Acres.)		Selection felling. (Acres.)		Improvement felling. (Acres.)		Coppice with standard felling. (Acres.)		Thinnings of poles. (Acres.)		Total. (Acres.)	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
1	2	3	4	5	6	7	8	9	10	11	12	13
Northern	...	...	* 6,649	8,083	55,128	54,557	4,651	5,519	...	...	66,428	68,259
Southern	57	140	467	1,547	25,825	19,635	38,282	42,118	...	...	64,631	63,440
Berar	925	764	...	...	50,424	48,362	16,035	19,406	...	...	67,385	68,622
Total	982	904	7,116	9,630	131,377	122,554	58,969	67,233	...	...	198,444	200,321

* This figure has now been corrected from 12,566 acres to 6,649 acres with the remark that last year's figure was wrongly included in the area marked over.

Had it not been for the mistake now found out in the Northern Circle in the acreages given for the year 1915-16 under "Selection Felling", there would have been a decrease of 4,040 acres in the year under report over the preceding year in the total areas worked under these methods for the Province as a whole. Allowing for an error in last year's figures of the Northern Circle explained in the statement above these areas were 200,321 acres in 1916-17 against 198,444 acres

in 1915-16, an increase of 1,877 acres. There was a decrease of 1,191 acres in the Southern Circle (from 64,631 acres to 63,440 acres), but against these increases of 1,831 acres (from 66,425 to 68,256) and of 1,237 acres (from 67,385 to 68,622) occurred respectively in the Northern and Berar Circles.

Clear Fellings.—These were carried over an area of 904 acres against 982 acres and comprised the fellings in the babul bans of the Amraoti, Akola and Buldana Divisions of the Berar Circle and simple coppice fellings in the North Chanda Division of the Southern Circle.

Selection Fellings.—The area worked over by this method amounted to 9,630 acres against 7,116 acres. In the Northern Circle these were mostly confined to the South Mandla Division, though in the North Mandla Division also 210 mature teak trees were marked for fellings over an area of 250 acres. In the Southern Circle these fellings were carried out in the Allapilli Range of the South Chanda Division by the lessees, Messrs. Bhickraj Sagarmal Bagla, but their work is much in arrears.

Improvement Fellings.—The area covered by these fellings fell from 131,377 acres in 1915-16 to 122,554 acres in the year under report a decrease of 8,823, which was shared by all circles. These fellings carried out in all Divisions of the Province except the Nagpur-Wardha Division of the Southern Circle, but in several Divisions the full areas prescribed under the working plans could not be worked.

Coppice with standards.—A total area of 67,233 acres against 58,969 acres in the preceding year was worked over under this method of treatment, an increase of 8,264 acres. Increases occurred in every Circle and was shared by Northern Circle 968 acres, Southern Circle 3,836 and Berar Circle 3,460. The increase in the Northern Circle occurred in the North-Mandla Division due to opening out of more markets and it is hoped that the demand in this Division may prove to be permanent. In the Southern Circle efforts are being made in all Divisions to reduce the extensions of time given to purchasers, the contractors having to work their areas within the year, and this appears to be the reason for the increase. It is reported that in the Balaghat Division extensions for removal are given free to satisfactory contractors, but for fellings, if granted, it is only on payment of a monthly fee. Here again the military grass operations are said to have interfered with the work of the coppice coupes in the Nagpur-Wardha and Bhandara Divisions. The increase in the Berar Circle occurred mainly in the Yeotmal Division where the provisions of the proposed working-plan have been brought into force. In the Amraoti Division an area of 263 acres was not worked owing to too low prices being offered. It is reported that this system is not suited to the poor ghat forests in the Division, as it exposes the soil too much and that it is also financially unsatisfactory, as much of the material is unsaleable. It is therefore proposed to substitute "Improvement fellings" in the new plan now under compilation.

EXPLOITATION—MINOR PRODUCE.

19. The following statement compares the kinds of minor forest produce extracted from the forests and their values (except grazing) during the last two years:—

Forest Produce.	Northern Circle.		Southern Circle.		Berar Circle.		Total.		Increase or decrease.
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Harra ..	16,529	18,310	48,478	26,163	8,740	8,535	61,687	47,307	- 14,580
Lac ..	5,917	2,768	5,385	6,98	2,136	2,469	19,338	25,574	+ 5,336
Manna and Achar ..	4,791	5,661	3,548	3,271	1,709	1,305	9,441	10,140	+ 799
Hides and horns ..	8,399	8,428	5,082	3,856	9,447	4,803	18,280	17,147	- 1,081
Bamboos ..	61,770	78,977	99,237	90,930	94,518	113,431	2,55,519	2,80,349	+ 33,830
Fodder grass ..	27,076	26,073	11,758	9,674	37,240	118,823	1,26,083	1,54,578	+ 27,095
Thatching grass ..	...	...	69,765	63,031	106	309	69,871	63,340	- 6,531
Rusa grass ..	71,075	1,424	...	...	26,830	33,901	17,845	35,195	+ 17,350
Rusa oil ..	...	...	...	...	249	330	343	330	- 13
Catechu ..	2,356	3,353	...	...	...	...	...	3,393	+ 3,393
Miscerals ..	3,506	3,618	2,744	2,820	10,713	10,905	16,453	17,341	+ 898
Miscellaneous ..	145,559	41,317	10,970	17,063	90,054	87,923	95,263	87,206	- 8,057
Total ..	174,153	204,833	259,913	230,178	249,636	375,918	683,099	750,929	+ 67,830
	+ 30,680		- 29,733		+ 66,282				

* Value of animal products Rs. 1,499 included under "Miscellaneous" in last year's report is now shown under "Hides and Horns."
 † Included last year under "Miscellaneous" and now shown under this head.
 ‡ Included last year in other minor produce.

The total value of all minor forest produce extracted during the year under report amounted to Rs. 7,50,928 against Rs. 6,83,689 in the year 1915-16. While the decrease of Rs. 29,723 in the Southern Circle was more or less compensated by an increase of Rs. 30,680 in the Northern Circle, the values in the Berar Circle rose by Rs. 66,282, thus the net result was an increase of Rs. 67,239 for the whole Province. The products which showed better results were mainly Lac (Rs. 13,236), Mahua and Achar (Rs. 705), Bamboos (Rs. 33,830), Fodder grass (Rs. 27,895), Rusa grass (Rs. 17,480), Catechu (Rs. 3,333) and Minerals (Rs. 891); i. e., a total of Rs. 97,370, which was reduced to Rs. 67,239 by a total decrease of Rs. 30,131 which was contributed to by Rs. 14,380 under Harra, Rs. 1,081 under Hides and Horns, Rs. 6,581 under thatching grass, Rs. 12 under Rusa oil and Rs. 8,077 under "Miscellaneous". The increase under 'Lac' was shared by all Circles, chiefly the Northern and Southern Circles. In the former (Rs. 11,767) it occurred almost entirely in the Damoh Division (Rs. 13,098 against Rs. 1,125) and is said to be due to good 'kutki' crop and a better market, to which latter reason the rise in the Southern Circle which took place in the Bilaspur Division is also ascribed.

The marked increase of Rs. 33,830 under "Bamboos" was composed of Northern Circle (+ Rs. 17,207), Southern Circle (- Rs. 2,292) and Berar Circle (+ Rs. 18,915). In the Northern Circle the rise in the value occurred in the North Mandla Division, due to the enhanced rates sanctioned for the Mandla Range and floating operations undertaken down the Nerbudda River; in the Jubbulpore Narsinghpur Division, due to larger exports to Allahabad and greater accessibility of some of the coupes open in the year; in the Hoshangabad Division, due to the better demand and the introduction of the monopoly *cum* royalty system in two of the Ranges; in the Seoni Division it was ascribed to the abolition of differential rates for green and dry bamboos and the fixation of a mean rate and in the Chhindwara Division to the better demand.

It is reported that the bamboos cut in the Bori block of the Hoshangabad Division did not find a market on account of the ease with which they split. To remedy this an experiment was made this year by soaking the bamboos in water for six weeks after cutting with the result that the bamboos so treated were found then to have no special tendency to split.

The Division chiefly responsible for the decrease in the Southern Circle was the North Chanda Division in which the substitution of the commercial rate of Rs. 3-2-0 per 100 for an agricultural rate of Rs. 1-9-0 affected the export of this produce to Berar. It appears however that this adverse effect is only temporary, as towards the close of the year the trade is said to have greatly improved. The rise in the Berar Circle was divided between the Melghat, Buldana and Betul Divisions. In the first named Division owing to a good demand for bamboos many villagers preferred to export bamboos instead of timber. A demand for this product to construct plague huts and reduction in the rate from Rs. 1-9-0 to Re. 1 per hundred for dry bamboos from the Ambabarwa Reserve contributed towards the increase in the Buldana Division. In the Dabka Savalmendha and South Tapti Ranges of the Betul Division it was observed that bamboos had been over-felled owing to a large demand from Berar. The rate per 100 was therefore raised from Rs. 1-8-0 to Rs. 1-12-0.

Under Fodder grass the Northern and Southern Circles showed decreases of Rs. 1,604 and Rs. 2,074 respectively, but these decreases were more than covered by an increase of Rs. 31,573 in Berar Circle, attributed to the poor crop of karbi. While the better village fodder and good juar crop resulted in the reduction in the Northern Circle, in the Southern Circle it is assigned to the military grass operation in the Nagpur-Wardha and North Chanda Divisions from which Divisions only grass is said to be removed in any quantity.

For the increase of Rs. 17,480 under "Rusa grass" the Berar Circle was almost entirely responsible (there being an increase of Rs. 409 in the Northern Circle) and it occurred mainly in the Melghat and Betul Divisions. In the former Division the increase was more apparent than real as the figures included two years' revenue. The increase in the Betul Division is attributed to better prices realized at auction sales owing to a revival in the market value of the Rusa oil. The increase of Rs. 3,333 under "Catechu" occurred wholly in the Northern Circle. The revenue from this produce used to be included in that under "Miscellaneous produce" and this is the first year that it has been shown separately.

The increases under "Mohua and Achar" and "Minerals" are too small to require any explanations. Out of the decrease of Rs. 30,131 for the Province as a whole, Harra showed a fall of Rs. 14,380, Thatching grass Rs. 6,581 and Miscellaneous Rs. 8,077. The decrease under "Harra" occurred in the Southern Circle (—Rs. 16,256), this was due to abnormally high prices realized in 1915-16 in the Balaghat Division (Rs. 30,400 as compared with Rs. 21,667 during 1916-17). The Conservator observes that the prices realized from the sale of Harra leases in the North and South Raipur Divisions are very possibly much below the market value, and it is likely that there is a good deal of theft, the produce being passed off as coming from malguzari lands with which the Government forests are much interlaced. He adds that it is not easy to suggest a practicable remedy, but the matter has not been lost sight of.

The fall of Rs. 6,581 under "Thatching grass" occurred entirely in the Southern Circle, there being an increase of Rs. 103 in the Berar Circle. The restrictions which had to be put on the cutting of this grass on account of the supplies required for the army resulted in the fall of revenue from this source in the North Chanda, Nagpur-Wardha and Bhandara Divisions. In the North and South Raipur Divisions efforts have been made to reduce the high prices which purchasers of thatching grass have to pay to lessees of grass birs by throwing open to licenses considerable areas formerly leased out. It appears however that licenses are only taken out by persons living close to the forest, and the bulk and the grass goes to villagers at a distance who are unwilling to cut and collect the grass themselves and prefer to pay a higher price for ready cut grass. The areas open to licenses are thus little resorted to and the requirements of the people are largely met from the malguzari forests with considerable profit to their owners.

By a comparison it has been shown that there has been no increase this year in the sale of licenses and that the retail price for cut grass though high, has been paid without any apparent difficulty; a satisfactory indication, the Conservator remarks, that the scheduled rates are well below the market value. Attempts are being made this year to reduce the rates by departmental operations.

The decrease under "Miscellaneous" was shared by all Circles. The fall in the Northern Circle is more apparent than real as the last year's figures were inclusive of revenue from "Rusa grass" and "Catechu" which have this year been shown separately. The reduction in the Berar Circle occurred, it would appear, mainly in the Nimar Division. The Divisional Forest Officer remarks that large quantities of minor forest produce are stolen, and it is impossible to give lessees adequate protection owing to the proximity of malguzari and raiyatwari areas, especially the latter. In order to afford greater protection the question of the disposal of certain non-edible minor products in raiyatwari areas was raised, and it was decided by the Commissioner and the Deputy Commissioner that the raiyats had no rights over rusa grass, lac and gum, which products in these areas will in future be included in the forest leases.

Grazing.—The total number of animals grazed in Government forests during the year, the value of the grazing if calculated at full rates and the actual revenue realized are compared with similar figures of the preceding year in the following statement:—

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.	
1	2	3	4	5	6	7	8	9	10	11	12
							Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1915-16	141,143	960,448	38,668	1,418	1,141,677	7,94,608	4,12,783	28,970	...	4,41,753
	1916-17	143,848	920,123	35,310	1,287	1,100,577	7,69,868	3,94,174	31,715	...	4,25,889
Southern	1915-16	60,356	621,310	86,925	310	774,810	5,90,617	2,44,406	9,814	...	2,54,220
	1916-17	61,146	582,157	79,096	265	722,604	5,50,947	2,35,133	12,218	...	2,47,350
Berar (Nimar and Betul only).	1915-16	39,720	226,432	1,856	296	268,313	2,75,079	1,39,043	3,687	...	1,42,730
	1916-17	40,034	220,642	802	287	261,765	2,78,174	1,37,703	6,896	...	1,44,599
Total Central Provinces proper.	1915-16	247,128	1,808,190	127,448	2,033	2,184,800	16,60,904	7,96,832	42,471	...	8,39,303
	1916-17	245,028	1,728,929	115,217	1,839	2,091,006	15,98,989	7,57,039	50,229	...	8,07,268
Berar (proper only)	1915-16	130,800	972,033	354,405	2,095	1,460,333	7,49,146	3,33,880	9,011	853	3,43,744
	1916-17	132,520	1,018,213	337,337	2,666	1,490,736	7,21,619	3,04,618	8,086	817	3,13,521
Total Central Provinces and Berar, Difference	1915-16	377,927	2,780,223	481,854	5,028	3,645,038	26,10,050	11,30,712	51,482	853	11,82,047
	1916-17	377,557	2,747,175	450,554	4,494	3,581,780	25,00,048	10,91,434	60,315	2,174	11,53,723
		—380	—33,048	—31,299	—534	—63,258	—109,002	—39,278	+ 10,167	+ 1,279	+ 28,324

The total number of animals grazed fell from 3,645,032 in 1915-16 to 3,581,780 in the year under report and this fall comprised buffaloes 380, cows and bullocks 33,038, sheep and goats 29,300 and other animals 534. In the Berar Districts there was an increase of 30,542 animals, but this was more than compensated by the decreases of 41,100, 52,146 and 548 animals respectively in the Northern and Southern Circles and the Nimar and Betul Divisions of the Berar Circle, the result being a net reduction of 63,252 animals for the whole Province.

The decrease in the Northern Circle was due to more cattle in the North Mandla Division resorting to the raiyatwari areas and in the Jubbulpore-Narsinghpur and the Chhindwara Divisions to the Jagir forests of the latter District. In the Hoshangabad Division a good 'juar crop served as plentiful fodder for the village cattle, which were consequently homefed.

The reduction in the Southern Circle occurred in the Bhandara, North Chanda, Balaghat, Nagpur-Wardha, and South Raipur Divisions. In the Bhandara Division, where the decrease was slight, it is attributed to the misunderstanding on the part of cattle owners as to taking out certificates from the Patwaris by the end of June. The Conservator adds that it may have been, as the Commissioner remarks, due to timely rains in the hot weather. The decrease in the North Chanda occurred among "commercial" rate cattle and was about equivalent to the increase reported last year. In the Nagpur-Wardha Division further reduction in the number of animals admitted to grazing has been effected in conformity with the provisions of the working-plan. The reduction of the number of cattle in this Division has been proceeding gradually over four years without, the Deputy Commissioner remarks, exciting any complaints from the people, and is a notable achievement, the credit for which is due to Rao Bahadur S. Shrinivasalu Nayadu, the Divisional Forest Officer. It is interesting to note that in the Wardha District, where the grazing intensity is probably more acute than elsewhere in the Circle, the people are reported to have begun to set aside part of their village lands for grazing and allow these areas to remain fallow. The Divisional Forest Officer, South Raipur Division, considers that the decrease in his Division was due to good crops and plentiful fodder to cattle sent to malguzari and zamindari forests, partly on account of closure of coupes under the working-plan.

The prescriptions of the working-plan for the mixed forests of the Balaghat Division came into force and necessitated considerable restrictions on the number of cattle admitted to overgrazed areas. It is satisfactory to record that remarkably little opposition has been raised to these measures. The Deputy Commissioner remarks and the Conservator agrees with him, that the absence of complaints shows that the grazing problem was well dealt with by the Working Plans Officer (Mr. Carr) and by the Revenue Officer (Mr. B. N. De) who reported on it.

In the Berar Circle, though there was a marked decrease in the number of sheep and goats grazed in the forests, due partly to the transfer of considerable areas from C class to A class in the Yeotmal Division, in which latter class of forests the grazing of these animals is prohibited, and partly to nomadic herds of cattle from outside Berar being excluded from the C class forests, increases occurred in the number of buffaloes and cows and bullocks. The increase in the former cattle took place, mainly in the Amraoti, Buldana and Nimar Divisions, there being decreases in the Akola and Betul Divisions. The rise in the Amraoti and Nimar Divisions is said to be due to better supervision. The fall in the Akola Division is attributed to these animals being partly stall-fed and partly grazed in the village lands and that in the Betul Division is ascribed to the abundance of grass available for grazing throughout the District. The increase in the number of bullocks and cows was shared by all Divisions, except Buldana and Betul, and is said to be due to the more accurate preparation of the Patwari lists and also to greater care and better supervision exercised by the Forest Staff. The decrease in the Buldana Division is attributed to agricultural cattle not resorting to the C class forests owing to want of fodder in them, thus compelling tenants to send more cattle to the A class forests.

In the Betul Division there was a general decrease. It is reported that the inhabitants of many malguzari villages used to take out licenses for their cattle because their Government license carried the privilege of grazing in adjoining raiyatwari areas; this privilege was withdrawn by the Deputy Commissioner during the year so that the residents of these Malguzari villages went elsewhere for their grazing and, as this left more grazing in raiyatwari areas, a number of Ryotwari people were able to do without Forest pasture.

Out of the total number of animals (3,581,780) grazed in Government forests during the year 1,581,864 animals against 1,589,920 animals grazed at full rates, 1,732,682 animals against 1,789,987 grazed at privileged rates, including those at ordinary rates also and 267,234 against 265,125 animals grazed free. It will be seen from this that though the decrease in the number of animals grazed at privileged rates more or less corresponds to the reduction in the total number of animals grazed, there has been a further decrease in the number of animals grazed at full rates, thus more than half the total animals were allowed grazing at concessional rates, and this shows that the people are treated more liberally in this respect from year to year.

The grazing incidence in the Northern Circle ranged from 2.4 acres per animal in the Hoshangabad Division to 5.6 acres per animal in the South Mandla Division.

The highest incidence in the Southern Circle was returned by the Bilaspur Division with 13.1 acres per animal, the lowest 3.5 acres per head falling in the Nagpur-Wardha Division.

In the Berar Circle this incidence in the A class forests varied between 15 acres per head in the Melghat Division to 3.2 acres per head in the Yeotmal Division and in the C class forests it stood at 0.5 acre in the Buldana and Yeotmal Divisions. These incidences for the Nimar and Betul Divisions were 6.63 and 5.81 acres respectively.

Calculated on the areas open to grazing for the whole year the incidence for the whole Province stood at 2.9 acres against 2.8 acres in the preceding year.

The actual revenue derived from the total animals grazed in Government forests fell slightly (from Rs. 13,30,712 in the year 1915-16 to Rs. 13,21,424 in the year under report, *i. e.*, a decrease of Rs. 9,288). Had all these animals been charged full rates of grazing royalty, the total value of grazing would have amounted to Rs. 23,80,648. In addition to the actual revenue of Rs. 13,21,424 referred to above transit fees to the extent of Rs. 62,313 (animals 437,034) were recovered against Rs. 51,482 and the surtax for grazing in the A class forests of Berar yielded a revenue of Rs. 2,174 against Rs. 853. The increase of Rs. 1,321 under this head is ascribed to throwing open general grazing during the hot months, on payment of Re. 0-2-0 to Re. 0-4-0, the areas reserved for fodder grass in the Yeotmal Division according to the demand for grazing in any particular area. Besides this Rs. 3,159 was levied on 4,199 buffaloes in the Melghat Division as fees for grazing of these animals in the raiyatwari waste (*vide* Appendix I, paragraph 26, Working plan), thus bringing the total actual income from grazing to Rs. 13,85,911 against Rs. 13,83,047, *i. e.*, an increase of Rs. 2,864.

The Divisional Forest Officer, Nimar Division, has made some interesting remarks on the working of the grazing rules. The Patwaris in that District issued just under 18,000 plough certificates and practically the whole of these were checked by the Forest Staff. Plough certificates showing a higher incidence than one plough to 20 acres were challenged and 146 cases were discovered in which the number of ploughs had been incorrectly given. The Deputy Commissioner took strong action where cases of fraud were brought home to the Patwaris and seven men were punished in this connection. The consolidated "Titamma Milan Khasras" were also examined and in certain cases an increase in the number of working plough listed was found to coincide with an actual drop in the areas under cultivation. The Divisional Forest Officer has made some suggestions for improved check and also in regard to the payments to Patwaris, which are supported by the Deputy Commissioner and Commissioner, Nerbudda Division, and the Conservator should go further into the matter.

AGENCY OF EXPLOITATION—DEPARTMENTAL AGENCY.

20. The following statement compares the outturn of major forest produce in cubic feet in thousands and the value of minor forest produce extracted from

the forests by departmental agency during the last two years :—

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	1915-16	313	224	537	315	561	3,624	4,500
	1916-17	314	221	535	1,370	292	2,839	4,501
Southern	1915-16	89	79	168	4,416	4,787	1,085	10,288
	1916-17	276	263	539	896	4,192	2,018	7,113
Berar	1915-16	269	224	493	478	2,282	2,280	5,040
	1916-17	170	415	585	1,884	1,793	2,258	5,915
Total	1915-16	671	527	1,198	5,209	7,530	6,989	19,828
	1916-17	760	899	1,659	4,150	6,284	7,095	17,529
Difference	...	+89	+372	+461	-1,059	-1,346	+106	-2,299

The total outturn of major forest produce during the year amounted to 1,659 thousand cubic feet against 1,198 thousand cubic feet in 1915-16, of which 760 thousand cubic feet against 671 thousand cubic feet was "Timber" and 899 thousand cubic feet against 527 thousand cubic feet was "Fuel". While the outturn of both the timber and fuel in the Northern Circle remained nearly the same as last year (535 against 537), there were increases of 187 thousand cubic feet in timber and 184 thousand cubic feet in fuel in the Southern Circle, and in the Berar, whereas the outturn of timber fell from 269 thousand cubic feet to 170 thousand cubic feet, that under fuel showed an increase from 224 to 415. Thus the net increase for the whole Province was 461 thousand cubic feet (89 timber and 372 fuel).

It is reported that the introduction last year of the system of sale of standing coupes to contractors in the place of departmental operations in the Damoh Division has worked quite successfully. The increases in the Southern Circle, which are more than treble the last year's outturn, mainly occurred in the South-Chanda Division in respect of timber and in the North-Chanda Division in respect of 'Fuel' due to the departmental working of teak in the Allapilli Range and of Coupe No. 5 of the Walvat Felling Series in the Haveli Range respectively. In the latter Division the work was undertaken as a demonstration to lessees to show how a coupe should be worked, and it is reported that the results were interesting. Timber, firewood and charcoal are being sold and the net revenue per acre is calculated at Rs. 3-6-0 against Rs. 2 to Rs. 2-8-0 obtained by auction sales. Larger sales of timber from the teak High Forests of the Sonakhan Range in the North Raipur Division and from both Sihawa Ranges of the South Raipur Division have also contributed to the increase.

It is stated that much useful work is being done in South Chanda in bringing teak, bijasāl and other timbers to the Ballarshah Depôt for sale. Some of this was kept back in the expectation of its being required for the Military Authorities. Haldu is being tested for various purposes and Ain poles were sold as pit props at quite remunerative prices.

The decrease in the outturn of timber in the Berar Circle occurred mainly in the Melghat and Betul Divisions and is said to be due in the former to small quantity of saleable timber felled in the cutting back operations, which were chiefly restricted to stems under 18" girth and in the latter to the exploitation of fewer coupes. The increase in the outturn of fuel was shared by all Divisions except Melghat and Amraoti. In the Melghat Division the decrease was due to unsaleable poles from cutting back operations having been incorrectly brought on to the books as fuel in the previous year's figures and in Amraoti to the stoppage of coppice with standards working in the mixed forests. The increase in the remaining Divisions, except Yeotmal, was due to large areas being exploited. In Yeotmal it was due to cutting of coupe lines and boundary lines necessitated by changes of area provided for in the working plan.

The value of minor forest produce extracted fell from Rs. 19,828 in 1915-16 to Rs. 17,529 in 1916-17, a decrease of Rs. 2,299 which was shared by all kinds of products. 41 tons of Aonla and Seja bark were collected in the Jubbulpore-Narsinghpur Division for supply to the Government Tannery at Allahabad, in connection with important experiments now being carried out to augment the supply of tan stuffs.

AGENCY OF EXPLOITATION—PURCHASERS.

21. The amount of major produce in cubical contents in thousands and of minor produce in value removed from the forests by purchasers and consumers during the year is compared with that in the preceding year in the following statement :—

Circle.	Year.	Major produce.			Minor produce (in value).				
		Timber (in thousands).	Fuel (in thousands).	Total (in thousands).	Bamboos.	Grass.	Grazing.	Other.	Total.
1	2	3	4	5	6	7	8	9	10
		Cft.	Cft.	Cft.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1915-16	1,613	4,194	5,807	59,604	19,773	4,41,758	79,258	6,00,388
	1916-17	2,135	4,706	6,841	75,587	18,380	4,25,889	93,429	6,13,885
Southern	1915-16	3,832	15,766	19,598	92,946	74,448	2,54,810	73,553	4,95,167
	1916-17	4,003	15,111	19,114	94,325	65,295	2,37,350	55,279	4,52,849
Berar	1915-16	769	2,228	2,997	88,541	71,495	6,87,074	50,819	9,16,328
	1916-17	905	2,430	3,335	1,06,289	1,14,163	7,22,672	74,131	10,17,255
Total	1915-16	6,214	22,188	28,402	2,41,094	1,75,716	13,83,047	2,12,030	20,11,887
	1916-17	7,043	22,247	29,290	2,76,199	1,97,838	13,85,911	2,82,839	20,82,787
Difference		+ 829	+ 59	+ 888	+ 35,105	+ 22,122	+ 2,864	+ 10,809	+ 70,900

For the Province as a whole there was an increase both under major and minor produce. While the outturn of timber and fuel rose from 6,214 to 7,043 (an increase of 829) thousand cubic feet and from 22,188 to 22,247 (an increase of 59) thousand cubic feet respectively, there were increases of Rs. 35,105, Rs. 22,122, Rs. 2,864 and Rs. 10,809 under bamboos, grass, grazing and other minor produce respectively. Except under fuel in the Southern Circle, which showed a small decrease, the increase in the outturn of major produce was shared by all Circles.

In the Northern Circle, though the increase was common to all Divisions owing to thorough working of coupes by contractors either under better control or by extensions granted, it is principally attributed to the inception, for the first time, in the Damoh Division, of the system of sale of standing coupes, which alone accounts for an increase of nearly 442 thousands of cubic feet. In the Hoshangabad Division there is reported to have been a good market for teak timber owing to the shortage of supplies from Burmah due to want of shipping facilities. Complaints by certain villagers in the Saugor District regarding the difficulty of obtaining their requirements for timber and fuel through coupe contractors was brought to the notice of the Divisional Forest Officer by the Deputy Commissioner, and the matter is being enquired into.

The increase in timber in the Southern Circle principally occurred in the South Raipur Division and is due to better sales of standing coupes. There was also an increase in the North-Chanda Division under timber and fire-wood. The fall under fuel in the Bhandara and Nagpur-Wardha Divisions was due to the areas exploited being poorly stocked in the former and to want of demand in the latter. In this Division the decline was to some extent attributed to the interference to extraction caused by the Army Hay operations. Excepting the lessees of Allapilli forests, Messrs. Bhickraj Sagarmal Bagla, the work of other contractors is reported to have been satisfactory.

The increase in the Berar Circle occurred in the Yeotmal, Akola and Nimar Divisions. In the former it was due to additional coupes being worked and in the Akola Division the coupes open for exploitation were more productive than those of the preceding year. The variations under minor produce have already been explained in one of the preceding sections, "Exploitation—Minor produce".

RIGHTS—PRIVILEGES AND FREE GRANTS.

22. The following statement compares the forest produce and the value thereof removed from the forests by Right-holders and Free-grantees, as well as the estimated loss sustained by the grants made at privileged or reduced rates during the last two years :—

Circle.	Agency.	Major Produce.						Minor Produce (in value).									
		Timber.		Fuel.		Total.		Bamboos.		Grass.		Grazing.		Other.		Total.	
		1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Northern	Right-holders	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	...	...	...	...	...	...	5,490	4,188	3,769	2,285	1,48,277	1,46,330	25,138	17,402	1,81,054	1,70,305
	Free-grantees	63	75	374	445	437	520	1,851	2,020	7,242	7,400	10,294	9,905	1,824	3,535	21,511	22,840
Southern	Right-holders	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	Concessionaires	2	8	4,646	4,436	4,648	4,444	6,888	6,271	2,829	4,087	3,39,288	3,17,669	21,386	875	3,70,331	3,26,902
	Free-grantees	99	67	565	337	664	404	1,869	1,718	2,288	3,271	6,923	8,146	4,509	3,177	15,259	16,312
Bihar	Right-holders	65	66	733	722	798	788	3,931	3,931	953	953	375	375	1,085	1,085	6,344	6,344
	Concessionaires	...	...	229	250	229	250	5,530	2,777	*1,61,007	1,69,854	...	...	...	...	1,64,537	1,63,631
	Free-grantees	43	54	1,286	818	1,329	872	1,565	1,531	2,625	2,122	1,27,895	1,27,981	5,279	6,000	1,37,164	1,37,434
Total	Right-holders	65	66	433	722	798	788	5,931	5,931	953	953	375	375	1,085	1,085	6,344	6,344
	Concessionaires	2	8	4,875	4,686	4,877	4,694	15,908	11,236	1,67,605	1,69,216	4,87,565	4,63,999	46,454	18,277	7,17,532	6,62,738
	Free-grantees	205	196	2,225	1,600	2,430	1,796	5,285	5,069	12,225	12,793	1,45,112	1,46,032	11,512	12,692	1,74,164	1,76,586

*Last year's figures now corrected.

Right-holders.—The quantity of forest produce, both major and minor, removed by right-holders, was practically the same as last year. These rights are confined to the Berar Circle.

Free Grantees.—As compared with the preceding year, while the quantity of timber and fuel removed fell from 205 to 196 thousand cubic feet and 2,225 to 1,600 thousand cubic feet respectively, the value of minor produce removed stood at Rs. 1,76,586 against Rs. 1,74,164 in the preceding year, the increase being on all kinds of produce except Bamboos. These free grants were mainly made to forest villagers for home consumptions and to others whose houses were destroyed by fire and to forest lessees. They were also made to the Public Works Department in the Balaghat and Damoh Divisions for material used on roads and in buildings.

OUTTURN AND SOURCES OF FOREST PRODUCE.

23. The total outturn of major forest produce and the value of that of the minor forest produce extracted from the forests by all agencies during the year under review are compared with similar figures for the preceding year in the following statement:—

Circle.	Timber.		Fuel.		Bamboos (Value).		Grass (Value).		Grazing (Value).		Other minor produce (Value).	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
x	2	3	4	5	6	7	8	9	10	11	12	13
	Cft.	Cft.	Cft.	Cft.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern	1,989	2,524	4,792	5,372	61,770	78,977	27,676	26,072	4,52,047	4,35,794	84,706	99,789
Southern	4,020	4,346	16,410	15,711	99,231	96,939	81,523	72,705	2,61,143	2,45,496	79,147	64,474
Berar	1,46	1,195	4,471	4,582	94,518	1,13,423	87,355	1,19,031	8,15,344	8,51,028	67,703	83,454
Total	7,155	8,065	25,673	25,665	2,55,519	2,89,349	1,96,554	2,17,808	15,28,534	15,32,318	2,31,616	2,43,711

Explanations of the variations have been given in preceding sections.

FINANCIAL RESULTS.

24. The following statement compares the revenue, expenditure and surplus of the year under report with those of the year 1915-16 and average of the five years preceding thereto:—

Circle.	Year.	Revenue.	Expenditure.			Surplus.	Percentage of net revenue to gross revenue.
			A.	B.	Total.		
x	2	3	4	5	6	7	8
Northern	Average 1910-11 to 1914-15	Rs. 8,82,608	Rs. 2,49,758	Rs. 3,53,503	Rs. 6,03,261	Rs. 2,79,347	38
	1915-16	9,54,973	1,54,333	3,87,509	5,41,842	4,10,131	44
	1916-17	10,18,501	1,95,001	3,77,901	5,72,902	4,45,599	44
Southern	Average 1910-11 to 1914-15	8,51,596	2,69,330	3,71,236	6,40,566	2,11,130	25
	1915-16	9,72,325	1,72,877	4,01,116	5,73,993	3,98,332	41
	1916-17	9,41,447	1,79,618	4,12,367	5,91,985	3,49,462	37
Berar	Average 1910-11 to 1914-15	11,55,708	2,39,190	3,45,111	5,84,301	5,71,407	49
	1915-16	12,83,457	1,66,579	3,71,313	5,37,892	7,45,565	58
	1916-17	14,50,647	2,01,017	3,84,754	5,85,771	8,64,876	60
General Direction Division.	Average 1910-11 to 1914-15	50	360	41,084	41,444	—41,394	...
	1915-16	...	735	40,504	41,239	—41,299	...
	1916-17	...	881	39,083	39,964	—39,083	...
Total	Average 1910-11 to 1914-15	28,90,069	7,58,638	11,10,934	18,69,572	10,20,497	35
	1915-16	32,80,755	4,04,584	12,00,448	16,05,032	16,75,723	47
	1916-17	34,10,595	5,76,517	12,14,165	17,90,682	16,19,913	47
	Difference between 1915-16 and 1916-17	+ 1,29,840	+ 81,933	+ 13,713	+ 95,656	+ 94,184	...

Revenue.—The gross revenue of the Southern Circle fell from Rs. 9,72,325 in 1915-16 to Rs. 9,41,447 in 1916-17, a decrease of Rs. 30,878. However, this reduction was more than covered by the increases of Rs. 53,528 (from Rs. 9,64,973 to Rs. 10,18,501) in the Northern Circle and of Rs. 1,67,190 (from Rs. 12,83,457 to Rs. 14,50,647) in the Berar Circle, the net result being an increase of Rs. 1,89,840 for the whole Province (Rs. 34,10,595 against Rs. 32,20,755). The increase in the Northern Circle was shared by all Divisions [chiefly Hoshangabad (Rs. 48,000) and Damoh (Rs. 26,000)] except North Mandla and Chhindwara, and is said to be principally due to the higher prices obtained for sales of standing coupes, larger demands and extraction of bamboos and higher prices for lac. The fall in the revenue in the North Mandla Division was more apparent than real, as the receipts of the year 1915-16 were inclusive of commutation dues for 1916-17 realized in advance and also of the sale-proceeds of the harra collected departmentally during 1914-15. The decrease in the Chhindwara Division mainly occurred under 'grazing' and has already been explained under section "Exploitation." The Conservator, Southern Circle, again reports that but for the failure of the Allapilli lessees to keep their work up to date and to pay the instalments due, amounting to Rs. 3,36,366 in time, the revenue and surplus of his Circle would have shown a greater increase over last year. In the North Chanda and Nagpur-Wardha there was a marked absence of demand, these Divisions together showing a decrease of Rs. 71,026, and revenue from bamboos, grass and grazing in the South Raipur Division fell by Rs. 12,018. The increase in the revenue in the Berar Circle was common to all Divisions and is reported to be due mainly to better demands for produce, higher prices obtained at the auction sales of coupes owing to keen competition, better supervision of grazing arrangements and enhanced grazing revenue. The reduction of the rate for bamboos in the Ambabarwa Reserve of the Buldana Division resulted in an increased export.

The following two statements compare the sources of revenue for two years:—

	1915-16.	1916-17.	Increase or decrease.
	2	3	4
	Rs.	Rs.	Rs.
Timber and other produce removed by Government Agency...	1,20,244	89,051	-31,193
Timber and other produce removed by purchasers, etc.—			
Timber	5,92,578	7,58,869	+1,66,291
Firewood and charcoal	2,72,098	2,69,446	-2,652
Bamboos	2,41,117	2,75,281	+34,164
Grazing and fodder grass	14,93,783	15,24,962	+31,179
Other minor produce	2,78,144	2,64,643	-13,501
Miscellaneous	2,22,791	2,28,343	+5,552
Total	32,20,755	34,10,595	+1,89,840

Circle.	Timber and Fuel.		Bamboos.		Grass and grazing.		Other minor produce.		Miscellaneous.		Total.	
	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.	1915-16.	1916-17.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Northern	2,85,122	3,44,740	61,311	76,501	4,63,425	4,44,269	1,02,178	96,564	52,937	56,427	9,64,973	10,18,501
Southern	3,91,133	4,12,868	96,027	93,282	2,61,821	2,43,544	1,47,426	1,15,033	75,918	76,720	9,72,325	9,41,447
Berar	2,70,362	3,45,316	88,970	1,08,335	7,71,380	8,38,942	58,809	62,858	93,936	95,196	12,83,457	14,50,647
Total	9,46,617	11,02,924	2,46,308	2,78,118	14,96,626	15,26,755	3,08,413	2,74,455	2,22,791	2,28,343	32,20,755	34,10,595
Difference	+ 1,56,307		+ 31,810		+ 30,129		- 33,958		+ 5,552		+ 1,89,840	

It will be seen from the above that for the Province as a whole while there was a reduction of Rs. 33,958 in the revenue from "Other minor products," all other sources of revenue contributed towards the increase. The income from Major Forest Produce (timber and fuel) was better in all Circles, and except from bamboos in the Southern Circles, and grazing in the Northern and Southern Circles, there was an increase in revenue from minor produce in all Circles. These variations have been explained above.

Expenditure.—The total expenditure for the year 1916-17 for the Province amounted to Rs. 17,90,682 against Rs. 16,95,026 during 1915-16 and Rs. 18,69,572, the average of the preceding five years. As compared with the year 1915-16, the expenditure under "A.—Conservancy and works" rose from Rs. 4,94,584 to Rs. 5,76,517, an increase of Rs. 81,933. This increase was due in all Circles to more money having been spent on communications, buildings, other miscellaneous work, demarcation and other works of improvement as well as increased commission to licensed vendors. The expenditure under "B.—Establishment" amounted to Rs. 12,14,165 against Rs. 12,00,442—an increase of Rs. 13,723—which mainly occurred in the Southern and Berar Circles and was due to the increased salaries of Gazetted Officers and promotion among the subordinate staff due to the reorganization of that establishment. In the Southern Circle the stipends paid to certain private students at the Balaghat Forest School also contributed towards the increase.

Surplus.—Though the net revenue of the Southern Circle showed a decrease of Rs. 48,870, there were increases of Rs. 22,408 and Rs. 1,19,311 in the Northern and Berar Circles respectively, thus the total net revenue for the Province, after accounting for a deficit of Rs. 39,964 in the General Direction Division, amounted to Rs. 16,19,913 against Rs. 15,25,729—an increase of Rs. 94,184. However, owing to increases both under Revenue and Expenditure the percentage of net revenue to gross revenue remained the same as last year, namely, 47 per cent, but exceeded that for the average of the five years ending in 1914-15 by 12 per cent. While this percentage in the Southern Circle fell from 41 to 37, in the Northern Circle it was the same as last year, *viz.*, 44, the Berar Circle having increased from 58 to 60. It is satisfactory to note that both the gross and net revenue of the year have shown improvement over the preceding year, though depressed conditions of the markets were not altogether absent.

The following shows the progress that the Department has made financially during the last six years:—

Year.	Revenue.	Surplus.	Percentage of net revenue to gross revenue.
1	2	3	4
	Rs.	Rs.	
1911-12	26,66,188	7,70,812	29
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

It will be seen from the above that there has been generally speaking a satisfactory increase from year to year both under the gross and net income of the Department.

The percentages of revenue under its 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 are shown in the following statement:—

	Northern.	Southern.	Berat.	Province.
1	2	3	4	5
Total expenditure to gross revenue	56	63	40	51
Expenditure A to gross revenue	19	19	14	17
Expenditure B to gross revenue	37	44	26	34
Surplus to gross revenue	44	37	60	49
Percentage to gross revenue of—				
(1) Major Produce (timber and fuel)	34	44	24	32
(2) Bamboos	8	10	7	8
(3) Grass and grazing	44	26	58	45
(4) Other minor produce	8	12	4	8
(5) Miscellaneous	6	8	7	7
Percentage to gross revenue of expenditure on—				
(1) Roads and Bridges (A-VII-a). ..	3	2	3	3
(2) Buildings (A-VII-b).	3	1	2	2
(3) Tanks, wells, etc. (A-VII-c).	5	7	3	5
(4) Fire protection (A-VIII-f).	3	4	1	3
(5) Other works, cutting back operations (A-VII-g)	1	1	1	1
(6) Pay of Establishment.	30	34	20	28
(a) Conservators	2	2	1	2
(b) Superior officers	8	11	6	9
(c) Subordinate Establishment	15	15	10	13
(d) Clerical Establishment	5	6	3	4

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

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

Circle.					Beginning.	Close.
1					2	3
					Rs.	Rs.
Northern	...	...	...	...	58,574	47,392
Southern	...	...	...	...	233,921	363,597
Berar	...	...	...	...	2,296	38,561
Total					294,791	449,557

The increase in the Southern Circle is due to the non-payment of the instalments amounting to Rs. 3,36,366 by the lessee of the Allapilli forests in the South Chanda Division. It should be noted that, though technically an outstanding, the timber represented by this sum has not yet been felled. The matter is receiving attention. The rise in the Berar Circle is said to be due in part to instalments of rusa grass leases falling due after the close of the year, but chiefly to the change in system of leases for combined cultivation adopted in the Amraoti Division.

The outstandings due to the department by contractors and disbursers rose from Rs. 91,589 in 1915-16 to Rs. 1,00,933 in 1916-17 (Northern Circle Rs. 19,983 against Rs. 16,236; Southern Circle Rs. 22,969 against Rs. 28,786 and Berar Circle Rs. 57,981 against Rs. 46,567). The increase in the Berar Circle is attributed to advances for departmental grass operations and remuneration to village officials.

The estimated value of live and dead stock amounted to Rs. 6,95,987 against Rs. 6,96,293. There was a decrease of Rs. 17,209 in the Southern Circle against increases of Rs. 12,587 and Rs. 4,316 in the Northern and Berar Circles, respectively. This latter increase is ascribed to the construction of new buildings.

RESEARCH AND EXPERIMENTS.

25. In the Northern Circle the experiments to test the effect of the season of felling on the coppice reproduction were continued in the Jubbulpore Range, the measurements were recorded and communicated to the Forest Botanist, to whom seed from the teak coppice shoots was also sent with a view to test its fertility. The experiments to test the effects of fires in different months of the year were again continued in the Narsinghpur District, but have been found to be of no practical use and will be discontinued. In the Saugor Division ring countings of teak were undertaken, and the results communicated to the Forest Research Institute. Samples of *Grewia* were sent to Sibpur from the Northern and Berar Circles to ascertain if the wood was fit for use in aeroplane construction. Those from the Northern Circle were found suitable and this experiment has created a demand, but sufficient timber of the size and straightness necessary to comply with the specifications is not available, and the Board of Munitions are now obtaining their requirements from other Provinces. The existing sample plots in the Berar Circle were maintained and an additional sample plot was laid out in the Melghat Division to test the rate of growth of teak in 'barra' land; the upkeep of these plots in the Southern Circle is reported to have not received sufficient attention in some cases. The matter is, however, being remedied.

Sample consignments of Dhaura tanning products were sent to the Esociet Company at Maihar from the Balaghat Division, but the result has not yet been reported. A sample consignment of Sal scantlings of small and

medium sizes for use in building construction was also sent from this Division to Nagpur to test whether such material could be profitably sold there. The Conservator remarks that if this experiment proves successful, the wastage of timber in the Sal coupes which are at present worked exclusively for sleepers will be greatly reduced.

In the Bhandara Division the experiments to ascertain the best method of eradicating Ironi creeper were continued as was done also in the Melghat Division to destroy the Nagbel creeper. The most satisfactory results in the former case are reported to have been obtained from an area in which the creeper was cut and the stumps sold. The application of lime, sulphur and boiling water in the cold weather is said to have not been so successful. Sandal sowings were carried out in the Bhandara, North Chanda, South Chanda and Nagpur-Wardha Divisions and, except in the last named Division, the results were not encouraging.

In the South-Chanda Division the seasoning experiments of timber referred to last year were continued. All the logs have been converted into planks and scanlings. The Forest economist examined the timber in December 1916 and will make a final inspection during the ensuing cold weather. It is reported that an interesting experiment is being made by the Manager, Ballarshah Colliery, to test the suitability of a number of miscellaneous species of timber for pit props other than Ain (*Terminalia tomentosa*) which has hitherto been used by the Colliery. The results obtained so far have shown that Dhaura, Tendu and Mohra are the best timbers to resist rot. These props are being put to further tests, and should they prove satisfactory, a large quantity, the Conservator states, can be supplied from the Dhaba and Allapilli Ranges. 93 maunds and 23 seers of Tarwad bark (*Cassia auriculata*) from the South Chanda Division and 10 maunds of Ghotla (*Zizyphos xulopyra*) fruits from the South Raipur Division were collected and sent to the Government Hide Inspector, Bombay, for tanning purposes, as well as 20 maunds of Ain (*Terminalia tomentosa*) bark and $3\frac{1}{2}$ maunds of Tarwad pods from the former Division were supplied to the Chrome Leather Factory, Palavaram, Madras, for the same purpose.

Besides the above a consignment of 17 maunds and 4 seers of Amaltas (*Cassia Fistula*) bark was sent to the Government Hide Inspector.

In the Nagpur-Wardha Division the experiments to determine the incidence of grazing per head of cattle in the case of the forests on metamorphic rock; and the work in connection with the utilization of *Helicteres* fibre were in progress.

A sample of 60 lbs. of this fibre was sent to the Director, Imperial Institute, London, through the Forest Economist, Dehra Dun, and his report thereon is awaited.

A consignment of $12\frac{1}{4}$ maunds of unretted fibre was also sent to the Ganges Rope Company, Calcutta, with a view to test the bark in the decorticating machine, but it was reported not to have responded to the treatment. A certain amount of this fibre was also sent to the Director of Industries, United Provinces, and the Conservator of Forests, Eastern Circle, United Provinces.

In the Nimar Division four Salai logs were supplied to the Great Indian Peninsula Railway for testing this timber for wagon floors. The Kirkee Arsenal was supplied with bamboos from the Melghat Division for use as spear shafts, but they were unfavourably reported on.

It is reported that the impregnated *Terminalia* sleepers laid down on the Great Indian Peninsula Railway line in the Betul Division are showing no signs of decay. Four hundred Salai trees were tapped in the Nimar Division and 92 seers of gum obtained was made over to the Forest Economist.

An attempt on a small scale was made in the Melghat Division to adopt the principle of steam distillation for extracting rusa grass oil, which had given good results in 1914, when carried out with more elaborate apparatus as compared with the existing type of stills used by lessees. The results

obtained are reported to have been satisfactory, and the experiment will be tried shortly on a larger scale and the results communicated to the Forest Economist. In this Division an attempt was also made to give a trial to the system of nursing natural seedlings developed by Mr. Copleston in the North-Kanara Division. About 8,000 teak seedlings were marked with pegs in July 1916, weeded during the rains, earthed up in October and shaded with grass shades during the hot weather. Twenty-six per cent were found alive in July 1917. The results obtained in open areas, where damage from the drip of overhanging trees was absent, were distinctly good, but in the case of seedlings under overhead cover the system on the whole proved a failure. The effect of fire on teak germination was tested by burning a small patch of forest in Gugumal Reserve. It is reported that many seedlings appeared, but most of them had died off by January. Nine strips of forests in the Gugumal Range and four in Chikalda, each half an acre in extent, were more or less clear felled to test the effect of admission of light to the soil. Such seedlings as appeared were weeded and earthed up on the Kanara system. The results obtained in Gugumal were fairly satisfactory, while in the Chikalda Range the experiment was a failure. In the former 1,181 seedlings appeared and 788 survived the hot-weather, these figures for the latter Range being 111 and 29, respectively. The reasons for the difference are not clear. On the whole a fair amount of experimental work was carried out in the Province notwithstanding the adverse conditions.

ADMINISTRATION.

26. The writer continued in the post of the Chief Conservator throughout the year. There were no changes in the Northern and Berar Circles, the charge of which was held by Messrs. Forde and Trafford respectively for the whole year. Mr. C. B. Smales remained in charge of the Southern Circle until 2nd December 1916, when on his transfer to Burma he was relieved by Mr. A. V. Munro on return from leave who remained in charge till the close of the year. Several changes occurred in Divisional charges according to circumstances. Mr. R. M. Williamson, Deputy Conservator of Forests, continued to officiate as Conservator of Forests in the United Provinces and Mr. Shiam Sunder Lal, Extra-Assistant Conservator of Forests, remained on deputation to the Indore State. Mr. F. J. Langhorne, Extra-Assistant Conservator of Forests, reverted to British Service from deputation to the Bastar State with effect from the 16th April 1917 and was granted three months' privilege leave from that date. Mr. W. J. Anthony, Extra-Assistant Conservator of Forests, having completed the Working Plan for the forests of the Ahiri Zamindari in the Chanda District, turned to the North-Chanda Division as attached officer on the 3rd, November 1916. In conformity with the Local Government orders contained in the Secretariat letter No 2623—X-29-2, dated the 2nd November 1914, two students from the Bilasour Court of Wards were deputed to the Southern Circle for practical training after they had passed out of the Balaghat Forest School. Mr. C. G. Hobday passed successfully from the Provincial Service Course at the Forest College at Dehra Dun and was appointed Probationary Extra-Assistant Conservator of Forests with effect from the 3rd April 1917. One candidate (Mr. C. English) and Forest Ranger G. S. Trivedi were deputed to undergo the Provincial Service Course during the year. No Imperial Officer was recruited from England and no Imperial Officer retired during the year.

Rao Bahadur Shridhar Ganesh Paranjpe, Extra Deputy Conservator of Forests, retired from Government Service on an invalid pension with effect from the 18th April 1917 and in him the department has lost an officer of wide experience. Mr. Pandurang Narayan, Extra-Assistant Conservator of Forests, who had completed his 55 years of age on the 14th April 1917 was granted an extension of service for one year.

The Chief Conservator regrets very much to have to report the deaths of Messrs. J. Donald, Deputy Conservator of Forests, Indian Army Reserve of Officers, and C. V. Sarwate, Extra-Assistant Conservator of Forests, and Forest Ranger Bhawani Prasad Kosakia during the year under report. In Mr. Donald, who died at Quetta of heart failure while on Military duty, the department has lost one of its ablest officers and his premature death is greatly regretted by all

acquainted with him. Mr. Sarwate was an experienced officer of the department and his intimate knowledge of the Saugor Division, where he spent a considerable part of his service, was of particular value in connection with the exchanges of lands to simplify forest boundaries. Forest Ranger B. P. Kosakia, who died from fever contracted while on duty in the Nagpur-Wardha Division, is reported to have been a conscientious and zealous officer.

The work of Divisional Officers and their Assistants was generally very satisfactory, the following Officers being specially mentioned by their Conservators:—Messrs. Beechey, Best, George, Misra, Ukikwe, Nazir Abbas and Willford.

Subordinate Forest Service.—The supply of fodder grass to the Army Department threw a good deal of extra work on the controlling and out-door staff of the Divisions in which these operations had been undertaken and, generally speaking, willing and reliable work was rendered. Several of the Rangers as well as Deputy Rangers have again been singled out by their respective Conservators for their good work; the Conservator, Southern Circle, however, reports that it is yet too early to expect much improvement in the quality of the lower subordinates as a result of the re-organization introduced last year. He points out that a great many of the Forest Guards are of short service, which indicates that the work has not much attraction to the class of men recruited. In the last three years out of an average strength of 632 Guards, 113 were dismissed or discharged and 64 resigned. This state of affairs is reported to exist in the Berar Circle also, where the recruiting and retaining men on the existing rate of pay is becoming increasingly difficult. It is, however, hoped that the training started in the Nagpur-Wardha Division may stimulate the interest taken by them in their work. It is also reported that there is still difficulty in obtaining suitable Forest Guards in the Baihar and Raigarh Ranges of the Balaghat Division.

Clerical Establishment.—With one exception, *viz.*, in Seoni, where the Head Clerk was eventually invalided out of the service, all Divisional Forest Officers commend the work of their Head Clerks, and that of the subordinate clerks has on the whole been favourably mentioned. The Chief Conservator notes with satisfaction that again this year Babus T. V. Pereaswamy and Ramcharanlal, Superintendents of the Southern and Northern Circle offices, respectively, have been commended for their work. The Conservator, Northern Circle, observes that the pay of clerks in this department is not sufficient to attract or retain men of sufficiently good qualifications to carry out the work required of them. Under such circumstances clerks not too deeply committed will not stay in the department, while recruits with desirable qualifications will either not join or merely make a convenience of it, while attempting to obtain employment elsewhere. The Conservator, Berar Circle, also reports that the difficulty of securing suitable candidates, especially in the lower grades, persists. The Chief Conservator fully concurs in the views of the Conservators and regrets that circumstances have not permitted Government to depute a special Expert Officer to examine into the state of affairs. The possibility of suggesting some temporary measure of relief, more especially to the lower paid clerks, will be considered. A provisional scheme to improve the pay and prospects of Range Clerks in Berar proper received the sanction of the Local Government during the year: under this scheme, the Rs. 15 grade has been abolished and Rs. 20 fixed as the minimum pay of a Range Clerk with a number of appointments on Rs. 25.

Punishments.—While the percentage of punishments in the Southern and Berar Circles fell from 13.57 to 11.44 and 18.2 to 17.3, respectively, that in the Northern Circle rose from 16.55 to 17.25. For this increase the Damoh Division is mainly responsible, there having occurred considerable decreases in the remaining Divisions, due probably to the increase of pay in the recent re-organization of the subordinate establishment. The number of punishments in the Damoh Division was very large and is reported to have been due to the standard of discipline being very low. The Chief Conservator hopes to see an improvement in this matter next year. The Conservator also points out that the small number of punishments in the Hoshangabad Division is most noticeable, and while

the conditions of the work there make perhaps for fewer opportunities of abuse of their position by Forest Guards and the lower paid subordinates than in certain other Divisions, no small praise is due to Hon'ble J. Best, Divisional Forest Officer, for the maintenance of a high standard of discipline with so little recourse to serious punishment.

Health.—The year under review is reported to have been on the whole not an unhealthy one, except in the Nagpur-Wardha and North and South Raipur Divisions. In the first Division cholera was prevalent until the autumn and was soon followed by plague. While in the latter fever, etc., were common. However the number of deaths during the year rose to 58 from 46 in the preceding year, the casualties among Forest Guards being unusually large, 51 against 32. In all one Ranger, one Deputy Ranger, two Foresters, 51 Forest Guards, two Clerks and one Paid Vendor died.

GENERAL.

27. *Forest Villages.*—In the Northern Circle two forest villages were resettled and six villages were demarcated and surveyed, and sanction was accorded to the establishment of six new forest villages in the Seoni Division to keep pace with the demand for labour arising from the extension of work. Only two new forest villages were established in the Southern Circle, one each in the Balaghat and North Raipur Divisions. In the Berar Circle, while one new forest village was settled in the Nimar Division, six villages—four in Melghat and two in Betul—were abandoned during the year. In the Hoshangabad Division a large number of forest villagers were employed on the Military Grass Operations and benefitted by them. A Primary Hindi School was established in one of the villages in this Division. There were altogether 37 Gond and Korku boys in attendance.

Reading, writing and arithmetic and physical exercises are taught at present. The school is under the charge of a committee including two mukaddams of forest villages. It is reported that in the Raigarh Range of the Balaghat Division several Baiga forest villages have been deserted for the reasons given below:—

- (1) The superior attractions of "Bewar" cutting in the adjacent Kawardha State.
- (2) The trouble given to the villagers by shooting parties in the hot weather.
- (3) The restrictions now imposed on grazing in accordance with the provisions of the Working Plan, the villagers having been obliged to restrain their cattle from entering the sal forests.

The Divisional Forest Officer remarks that it is probable the first of these is the most important factor. Shooting parties pay liberally for such labour as they employ, but this does not reconcile the Baiga to being forced to work when he would prefer to idle away his time in his village or in the surrounding forests. These people are notoriously restless and it is probable that many of them will return in a year or two. If not, it may be necessary to offer special attractions in order to get some of the more important villages resettled, as they are the only source of labour for forest works in this Range. The condition of the forest villages is reported to have been good in all Divisions in the Northern and Berar Circles, except the Nimar Division, where the villages are in an unstable condition as reported last year, and changes among inhabitants continue to be frequent.

Malguzari Forests.—In the Northern Circle six malguzari forests (one in Seoni and five in Chhindwara) were notified as requiring special protection, and in the South Mandla Division one case was reported to the Deputy Commissioner. In the Southern Circle six malguzari village forests in the Balaghat Division were inspected and reported upon, and two of these were notified for protective closure. It is reported that in some cases periodical inspection by forest subordinates has been arranged for with a view to rendering the closure effective, but the

absence of any staff directly responsible for the state of these forests and for the observance of the rules regarding their treatment continues to be an obstacle to any real progress. In the Berar Circle seven malguzari forests (six in Betul and one in Nimar) were brought under this protection and four villages (three in Betul and one in Nimar) were released.

Shooting permits.—Though there was an increase of 4 and 21, respectively, in the Southern and Berar Circles in the number of shooting permits issued during the year under report than in the preceding year, this was counter-balanced by a decrease of 31 permits in the Northern Circle, thus the net result being a reduction of 6 permits only (454 against 460) for the whole Province. Though poaching is said to be common enough in the Saugor Division, only two cases were reported from this Division and three from Seoni, while a number of animals was illicitly killed by poachers in the South Raipur Division, and 9 cases of this nature were detected and dealt with in the Balaghat Division, there being a few cases in other Divisions calling for no special remarks. In the Balaghat Division the number of guns in forest villages has been greatly reduced and several cases under the Wild Birds and Animals Protection Act, as well as of breach of gun license conditions, have been brought to the notice of the Deputy Commissioner. To reduce the head of game in the Bhongaon Reserve in the Buldana Division of the Berar Circle, 22 chital does, 21 black buck, 25 pig and 28 nilgai were destroyed. The Commissioner, Berar, however, does not consider this result as adequate, and remarks that to do any good several hundred heads of chital and nilgai must be destroyed. In other areas of this Division special beats were organized under the supervision of the Department, which resulted in the destruction of 124 pig and nilgai. No wild cattle in the Bhongaon Reserve are reported to have been caught by the Agriculture Department during the year.

Balaghat School.—During the year experiments with a number of species of ornamental trees and shrubs were continued. Some progress was also made in connection with collections for the School Museum. During the rains a short course of training in the scientific pruning of road side trees was given to selected malis and subordinates of the Public Works Department along with the students of the Forest School.

The relations between the Forest and Revenue Officials are reported to have been satisfactory and the Chief Conservator is glad to observe that most of the Deputy Commissioners, in their forwarding notes on the Divisional Reports, have recorded their appreciation of the work of the Divisional Forest Officers.

Report on the operations undertaken to supply fodder grass to the Army Department.

At the beginning of January intimation was received by Government from the Army Department that there was an urgent need of hay for export to Egypt. It was stated that 20,000 tons of grass baled in steam presses was required. Enquiries were at once made to ascertain how far the military requirements could be satisfied. It was decided that arrangements should be made to supply 20,000 tons of fodder grass either through contractors or departmentally from the three Forest Circles of the Province. The Forest Department undertook the cutting, hand baling, carting, loading into wagons and despatching of the grass to various steam pressing centres, while the Civil Department controlled the hydraulic baling, under the general supervision of Mr. A. McDonald, C. S.

Orders were issued to all Conservators to make every possible effort to comply with this demand and the 20,000 tons of grass to be supplied were distributed among the three Circles :—

		Tons.	Tons.
Northern Circle	...	9,000 to	10,000
Southern Circle	...	5,000 to	6,000
Berar Circle	...	...	5,000

Subsequently the allotment was revised and it stood as follows :—

		Tons.	Tons.
Northern Circle	{ Hoshangabad Division	... 3,500	7,000
	{ Damoh Division	... 1,500	
	{ Jubbulpore-Narsinghpur Division	... 1,500	
	{ Chhindwara Division	.. 300	
	{ Saugor Division	... 200	
Southern Circle	{ Nagpur-Wardha Division	... 3,500	8,000
	{ North-Chanda Division	... 2,000	
	{ Bhandara Division	... 2,500	
Berar Circle	{ Nimar Division	... 3,000	5,000
	{ Betul Division	... 1,000	
	{ Yeotmal Division	... 1,000	
Total		...	20,000

Later on the Yeotmal Division was omitted and the amount of grass assigned to it was divided among the two Divisions of the Southern Circle, *viz.*, Nagpur-Wardha and Bhandara, 500 tons each. The whole quantity of the grass from the Southern Circle was supplied by departmental working. In the North-Chanda Division 6 grass contracts which had been already sanctioned had to be cancelled: compensation to the amount of Rs. 1,742 was paid to the contractors in order that the grass might be available for the Army. In the Northern Circle all grass, with the exception of a comparatively very small quantity in the Jubbulpore-Narsinghpur and the Hoshangabad Divisions, was supplied through contractors, as was also done in the Betul Division of the Berar Circle. In the Nimar Division two-thirds of the quantity supplied was delivered departmentally and the remaining one-third by contractors. Circumstances rendered several further changes necessary in the amount of grass to be

supplied by the different Forest Divisions and the following statement exhibits the final results of the operations :—

Division.	Amount of grass to be supplied.	Amount cut.	Amount accepted.	Amount rejected as unsuitable.	Amount damaged by rain, etc., and condemned.	Cost of cutting, carting, baling and delivery into waggons (i. e. the cost of the whole operation).	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 11 divided by column 12).	Realization of revenue on rejected or damaged grass.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs.	Rs.	Rs.	
Hoshangabad ..	4,276	3,816	3,702	102	12	91,734 0 0	8,189 0 0	77 0 0	1,00,000	26	56	
Jubbulpore-Narsinghpur ..	1,000	788	758	9	21	16,419 0 0	4,790 0 0	...	21,219	27	117	
Damoh ...	1,500	1,276	902	207	67	22,793 0 0	...	142 0 0	22,935	20	31	
Saugor ...	400	159	52½	106½	...	1,760 0 0	2,063 0 0	219 0 0	3,542	22	...	
Chhindwara ...	300	229	124	95½	9½	2,502 0 0	212 0 0	...	2,714	12	117	
Total Northern Circle...	7,476	6,168	5,538½	520	109½	1,34,718 0 0	15,254 0 0	438 0 0	*1,50,410	26	361	* In addition Rs. 9,388 were spent in Conservator's office for baling wire.
Nagpur-Wardha ...	4,000	4,426	3,561	317	548	76,468 0 0	15,272 0 0	3,039 0 0	94,779	21	888	
Bhandara ...	3,000	3,629	3,485	128	126	22,709 0 0	2,898 0 0	1,758 0 0	27,365	7	295	
North-Chanda ...	2,000	2,512	2,225	21	287	29,161 0 0	1,851 0 0	273 0 0	31,285	12	691	
Total Southern Circle...	9,000	10,567	9,271	370	926	1,28,338 0 0	20,021 0 0	5,070 0 0	1,53,429	15	1,804	
Nimar ...	3,500	2,785	2,645	102	38	19 15 3	1 0 2	0 4 3	54,002	19	2,857	
Betal ...	1,700	1,583	706	102	775	18 0 0	6 10 2	0 1 5	21,539	14	40	
Total Berar Circle ...	5,200	4,368	3,351	204	813	...	...	...	75,541	17	2,897	
GRAND TOTAL ...	21,676	21,103	18,160½	1,094	1,848½	...	...	...	†388,768	18	5,062	† Inclusive Rs. 9,388.

The progress of the operations was considerably interfered with by the frequent unsettled weather conditions that prevailed throughout the period the work was carried out. About one-seventh of the total amount of grass cut was either rejected by the Military authorities or damaged by rain and therefore condemned in the forests and pressing depôts. In all the quantity of grass cut amounted to 21,103 tons, of which 18,160½ tons were actually delivered and accepted, while 1,094 tons were rejected and 1,848½ tons were spoilt by rain as explained above. As the request for grass had already been cut and removed from the forests by villagers, etc., to meet local demands, the major portion of the grass supplied consisted of spear grass (*Andropogon contortus*) though there was an admixture of the better species :—

Mushan (*Iseilma laxum*), Ghormushan (*Iseilma Wightii*), Paonia (*Ischæmum sulcarum*), Shainar (*Ischæmum laxum*), Tatian (*Anthistiria laxa*), Kunda (*Ischæmum pilosum*), Guner (*Anthistiria Ciliata*) and Mushail (*Iseilma Sp.*).

Instructions were, however, issued to see that the spears were well shaken off before the grass was baled, and the cutting of grass over unburnt and ungrazed areas was resorted to as little as possible in order to avoid the inclusion of old

grass. However in the Nagpur-Wardha and other Divisions coupes which had been closed for two years or more had to be utilized, with the result that the grass delivered in some cases contained a proportion of old grass which rendered the mixture unsuitable for fodder. The cleaning out of this old grass took much time and trouble and added largely to the harassing duties of the Divisional Forest Officer, who had already in the scattered nature of his work a sufficiently difficult task. The efforts made to clean the grass were fairly successful and only 7 per cent of the grass delivered at cotton presses was rejected.

The total expenditure including the cost of presses, baling, wire and specially entertained establishment amounted to Rs. 3,88,768 (Northern Circle Rs. 1,59,798, Southern Circle Rs. 1,53,429 and Berar Circle Rs. 75,541). The sale of rejected or damaged grass yielded a revenue of Rs. 5,062 (Northern Circle Rs. 361, Southern Circle Rs. 1,804 and Berar Circle Rs. 2,897). The expenditure incurred in the operations was met by special letters of credits issued in favour of the Divisional Forest Officers concerned from time to time according to their requirements, and accounts of the expenditure were kept quite separate from the ordinary Forest accounts and forwarded to the Comptroller, Central Provinces, who made the final adjustments in his office.

Apart from the hand presses used in the Nimar Division, the number of which has not been given in the Berar report, there were 58 presses in stock (27 in the Northern Circle of which several were out of order, and 31 in the Southern Circle). In addition to these 57 hand presses (15 in the Northern Circle, 39 in the Southern Circle and 3 in the Berar Circle) were obtained either by purchase or on loan from outside the Provinces. The Conservator, Southern Circle, points out that, with the exception of the newly purchased presses, not a single press received from outside the Province but had some parts missing or broken, and arrangements for repairs and replacements had to be made and caused delay. In this connection he brings to notice the valuable assistance given by the Bengal-Nagpur Railway Company, Mr. Green, Superintendent of the Government Engineering School, Nagpur, and Mr. Desmond, the Executive Engineer, Nagpur, and adds that but for their prompt help the baling of the large quantity of grass would have been impossible.

These grass operations threw a great amount of extra work on the Forest staff of the Divisions concerned. In the Southern Circle several Foresters and Guards were taken off their ordinary duties and replaced by temporary men. All men who did well were as far as possible rewarded by temporary promotion and it is reported that many have since received permanent steps. The Chief Conservator is

*Rangers Ahmed Karim, O'Brien, Mahamed Hanif, Shanker Dayal, Vital Srivastava, Suran Singh, Govind Vishwanath Dube, and Labh Singh.

very pleased to note that several of the *Rangers and Deputy Rangers have also been specially mentioned for their good work by the Conservators of Forests, Northern and Southern Circles, and is glad to see that the work done by Messrs. W. J. Anthony and G. M. Willford, Extra-Assistant Conservators of Forests, is specially mentioned. The Conservator, Northern Circle, remarks that the ready response given by these subordinates to these operations deserves something more than a passing word of thanks and that something more concrete would be much appreciated. Their suggestion will be considered. In addition to the above the following Revenue officials and Malguzars have been mentioned for the help they rendered :—

- Mr. Lakhkar, Sub-Divisional Officer, Sakoli.
- „ N. T. Sathey, Tahsildar, Sakoli.
- „ Govind Dhondiraj Chaoji, Tahsildar.
- „ Hazari Lal, Tahsildar.
- „ Ganesh Ramchandra Deoskar, Tahsildar.
- „ Krishnaji Raghao Rotkar, Tahsildar.
- „ Sheonandan Lal, Tahsildar.
- „ Vishwanath Balkrishna Kshirasagar, Tahsildar.
- „ Syed Alay Hasan, Tahsildar.
- „ Dinkar Govind Temurnikar, Naib-Tahsildar.
- Seth Vithaldass of the Firm of Jamnadass Potdar.

Messrs. Badkas and Shankar Rao, Malguzars of Kandri and Joga, Malguzars of Arjuni and Targaon, and Messrs. Udaychand and Jaisarup Shrinath, Managers of Piparia and Harda Mills.

Besides the above four Zamindars in the Bhandara District gave grass free and have received the thanks of Government.

The Department is also greatly indebted to the Deputy Commissioners concerned for the assistance rendered particularly in the collection of sufficient labour for cutting and for carts. In Bhandara Division Messrs. Browne and Searle were particularly helpful and the Police Department also rendered notable assistance. It is reported also that the Bengal-Nagpur Railway Company gave invaluable assistance throughout. The work of the following Forest Officers has already been brought to the notice of the Government:—

- (1) Mr. D. O. Witt, Divisional Forest Officer, North-Chanda.
- (2) Mr. A. A. Dunbar-Brander, Divisional Forest Officer, Nimar.
- (3) The Hon'ble J. W. Best, Divisional Forest Officer, Hoshangabad.
- (4) Rao Bahadur Shrinivasulu Nayadu, Divisional Forest Officer, Nagpur-Wardha.
- (5) Mr. M. Narsingh Rao, Divisional Forest Officer, Bhandara.

To sum up 20,000 tons of grass were asked for. 21,000 tons were cut and of this 18,160 tons were accepted as suitable fodder by the Military Authorities.

In view of the demand coming at a time when the grass cutting season was nearly over the Chief Conservator thinks the results may be considered as creditable to the Forest Department, and his thanks are due to the Conservators (Messrs. A. V. Monro, H. H. Forreath and F. Trafford) as well as those mentioned above for the assistance rendered in meeting the unexpected demand for fodder for the overseas forces.

The 5th December 1917.

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, 1916-17.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE. North Mandla.	Shahpura...	Mandla ...	RESERVED FORESTS.								
			A Class.								
			Nagar, Block No. 1	2,572	4	...	...	2,572	4		
			Demajhit " 2	1,538	2	...	...	1,538	2		
			Do. " 2-A	320	1	...	...	320	1		
			Do. " 2-B	224	...	...	...	224	...		
			Khursipar " 3	792	1	...	...	792	1		
			Do. " 3-A	125	...	...	...	125	...		
			P aili Ghugri " 4	492	1	6	38	460	1		Due to correction of boundary line.
			Piparia " 10	2,081	3	...	...	2,081	3		
			Do. " 10-A	145	...	...	...	145	...		
			Do. " 10-B	221	...	...	...	221	...		
			Karondi " 13	398	1	...	...	398	1		
			Do. " 13-A	1,108	2	...	...	1,108	2		
			Do. " 13-C	1,894	3	...	...	1,894	3		
			Do. " 13-D	1,032	2	...	...	1,032	2		
			Dadargaon " 17	2,348	4	...	...	2,348	4		
			Kutdar " 18	934	1	...	...	934	1		
			Chhpari " 19	8,093	13	...	...	8,093	13		
			Do. " 19-A	131	...	...	...	131	...		
			Do. " 19-B	1,008	2	...	...	1,008	2		
			Do. " 19-C	2,710	4	...	...	2,710	4		
			Do. " 19-D	476	1	...	...	476	1		
			Do. " 19-E	398	1	...	...	398	1		
			Do. " 19-G	187	...	...	...	187	...		
			Do. " 19-H	366	1	...	...	366	1		
			Chourodadar " 20	2,576	4	...	...	2,576	4		
			Amadadar " 22	823	1	...	...	823	1		
			Reram " 23	675	1	...	...	675	1		
			Do. " 23-A	3,404	5	...	...	3,404	5		
			Do. " 23-B	481	1	...	...	481	1		
			Khudri South " 24-A	1,873	3	...	...	1,873	3		
			Amdari " 25	672	1	...	...	672	1		
			Saroewahi " 26	424	1	...	...	424	1		
			Do. " 26-A	148	...	...	...	148	...		
			Do. " 26-B	187	...	...	...	187	...		
			Bhurka " 27	19,086	30	...	...	19,086	30		
			Khajarwara " 30	987	2	...	...	987	2		
			Amera " 32	9,754	15	...	...	9,754	15		
			Do. " 32-A	1,442	2	...	...	1,442	2		
			Umeria " 33-D	3,118	5	...	...	3,118	5		
			Do. " 33-E	155	...	...	...	155	...		
			Masurghugri " 40	30,606	47	768	...	31,374	48	Notification No. 590, dated the 19th October 1916.	
			Do. " 40-A	328	1	...	...	328	1		
			Do. " 40-B	1,630	3	...	...	1,630	3		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE—(Contd.)	North Mandla.	Shahpura...	Mandla ...	RESERVED FORESTS. (Contd.)							
				A Class.							
			Masurghurgi „ 40-C	962	3	...	...	962	3		
			Do. „ 40-D	79	...	...	...	79	...		
			Bhilai „ 63	246	...	...	54	192	...		
			Shahpura „ 66	266	...	...	...	266	...		
			Total Range	109,525	171	774	92	110,207	172		Due to correction of area.
	Saristal ...	Do. ...	Do. ...	A Class.							
			Umaria Block No. 33-A	395	1	...	...	395	1		
			Do. „ 33-B	2,417	4	...	...	2,417	4		
			Do. „ 33-C	692	1	...	...	692	1		
			Maka „ 34	1,196	2	...	...	1,196	2		
			Do. „ 34-B	362	1	...	...	362	1		
			Do. „ 34-C	931	1	...	...	931	1		
			Lugdara „ 35	1,097	2	...	...	1,097	2		
			Do. „ 35-A	597	1	...	...	597	1		
			Dahonia „ 36	40,152	63	40	27	40,165	63		Due to correction of area.
			Do. „ 36-A	3,437	5	...	...	3,437	5		
			Barkhera „ 37	6,158	9	...	...	6,158	9		
			Khami „ 43	990	2	...	...	990	2		
			Do. „ 43A	83	...	...	...	83	...		
			Supkhar „ 45	27,675	43	...	...	27,675	43		
			Newal Pondi „ 46	19,795	31	...	...	19,795	31		
			Do. „ 46-A	2,677	4	...	...	2,677	4		
			Bhurkund „ 47	1,730	3	...	...	1,730	3		
			Do. „ 47-A	7,811	12	...	...	7,811	12		
			Baghar „ 74	517	1	...	...	517	1		
			Total Range	118,712	186	40	27	118,725	186		
	Mandla ...	Do. ...	Do. ...	A Class.							
			Rengajhori North Block No. 11	315	1	...	...	315	1		
			Do. South Block No. 11A	79	...	...	...	79	...		
			Bastara „ 19	10,650	17	...	...	10,650	17		
			Bijegaon Block, No. 20	341	1	...	...	341	1		
			Pantala „ 21	1,374	2	...	...	1,374	2		
			Sahajni „ 22	379	1	...	...	379	1		
			Bamni „ 23	15,993	25	...	...	15,993	25		
			Do. „ 23-A	781	1	...	...	781	1		
			Jujhari „ 24	1,469	2	...	...	1,469	2		
			Mukhas „ 25	13,643	21	...	...	13,643	21		
			Hannaimatta „ 26	26,280	41	...	...	26,280	41		
			Do. South „ 26-A	88	...	...	...	88	...		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE.— (Contd.)	RESERVED FORESTS.—(Contd.)										
	A Class.										
North-Chanda.	Mandla ...	Mandla ...	Hannaimatta South, Block No. 26-B	619	1	...	...	619	1	Notifications Nos. 414 and 415, dated the 13th July 1916. * Notification No. 346, dated the 19th June 1916.	
			Kathotia North, Block No. 27-A	1,568	2	...	...	1,568	2		
Do. South, " 27-A	1,936	3	...	...	1,936	3					
Do. do. " 27-B	378	1	...	...	378	1					
Dungaria " 28	7,254	11	...	...	7,254	11					
Khairi " 29	290	...	...	...	290	...					
Gazipur North, " 30	145	...	...	...	145	...					
Do. Central, " 30-A	466	1	...	...	466	1					
Do. South, " 30-B	445	1	...	...	445	1					
Malpathar North, Block No. 31	28,187	44	...	...	28,187	44					
Do. South, " 31-A	4,622	7	...	...	4,622	7					
Jarangi, " 32	1,357	2	...	...	1,357	2					
Bijegaon " 34	333	1	...	...	333	1					
Ataria " 36	7,519	12	69	67	7,521	12					
Keregaon " 37	28,294	44	...	*239	28,155	44					
Bhatiatola, Block No. 39	282	...	...	...	282	...					
Sara, " 40	1,035	2	...	...	1,035	2					
Juna Mandla 47	280	...	...	...	280	...					
Piparia " 48	2,177	3	...	...	2,177	3					
Do. " 48-B	705	1	...	...	705	1					
Chamarwah " 74	192	...	...	...	192	...					
Do. " 74-A	494	1	...	...	494	1					
Lalipur " 75	180	...	...	...	180	...					
Khursipar " 77	322	1	...	...	322	1					
Khirsara " 78	486	1	...	...	486	1					
Mohgaon " 80	480	1	...	...	480	1					
Chargaon " 84	103	...	...	...	103	...					
Saliwara " 90	107	...	...	...	107	...					
Bari " 91	316	1	...	...	316	1					
Mania " 93	184	...	...	...	184	...					
Total Range ...				162,248	253	69	306	162,011	253		
Dhenwahi.	A Class.										
	Jubbulpore.		Kumhi " 47	1,103	2	...	...	1,103	2		
Richhai " 48			388	1	...	...	388	1			
			Bamni Purwai 49	752	1	...	...	752	1		
			Dala " 53	699	1	...	...	699	1		
	Mandla ...		Bastara " 54	17,844	28	...	...	17,894	28		
			Pararia " 55	14,280	22	...	...	14,380	22		
			Barela " 59	8,320	13	...	...	8,320	13		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE.— (Contd.)	North-Mandla.	Dhanwahi	Mandla	RESERVED FORESTS.—(Contd.)							
				A Class.							
				Bhondi, Block No. 61.	2,083	3	...	...	2,083	3	
				Kalpi " 62	34,709	54	3	...	34,711	54	Added due to correction of area.
				Salaiya " 63	492	1	...	...	492	1	
				Chargaon " 64	363	1	...	...	363	1	
				Piparia " 65	228	...	...	...	228	...	
				Chutka " 67	484	1	...	...	484	1	
				Kunda " 68	4,777	7	...	...	4,777	7	
				Sahajpur " 69	429	1	...	...	429	1	
				Jamthar " 72	1,537	2	...	...	1,537	2	
				Chourai " 75	3,901	6	...	...	3,901	6	
				Niwari khapa 76	76	...	...	...	76	...	
				Jumti " 77	704	1	...	...	704	1	
				Bilai khapa " 78	96	...	...	...	96	...	
				Bijadoni " 79	12,193	19	...	...	12,193	19	
				Jamunia " 80	1,591	3	...	...	1,591	3	
				Dobhi " 81	4,885	8	...	...	4,885	8	
				Total Range	111,984	175	3	...	111,986	175	
				Total A Class	502,469	785	885	425	502,929	786	
				Total for Division	502,469	785	885	425	502,929	786	
South-Mandla.	Dindori	Do.	A Class.								
			Mundia North, Block No. 41.	704	1	...	...	704	1		
			Do. South " 41-A	3,951	6	...	...	3,951	6		
			Dulepur " 50	4,062	6	...	...	4,062	6		
			Chatia " 51	9,149	14	85	559	8,675	14	Notifications Nos. 500 and 501, dated the 19th October 1916	
			Charpani " 52	39,209	61	...	...	39,209	61		
			Do. " 52-A	1,062	2	...	...	1,062	2		
			Do. " 52-B	230	...	...	...	230	...		
			Do. " 52-C	4,782	7	...	...	4,782	7		
			Sunderpur " 53	15,152	24	...	...	15,152	24		
			Do. " 53-A	90	...	...	...	90	...		
			Guthal " 54	97,069	152	...	...	97,069	152		
			Guari " 58-A	1,891	3	...	...	1,891	3		
			Belpani " 60	2,117	3	...	...	2,117	3		
			Total Range	179,268	279	85	559	178,794	279		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 31st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1916.		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			
NORTH-ERN CIRCLE. —(Concld.)	RESERVED FOREST.—(Concld.)													
	A Class.													
South-Mandia.	Karangia...	Mandia ..	Guthal, Block No. 54	23,568	36	...	...	23,568	36	Notification No. 345, dated the 15th June 1916.				
			Guari " 58	7,588	13	...	...	7,588	13					
Katigahan " 60	492	1	...	...	492	1								
Barbaspur " 62	128,938	201	...	...	128,938	201								
Do. " 62-A	3,241	5	...	...	3,241	5								
Total Range ...				163,827	256	...	...	163,827	256					
Banjar ...	Do.	A Class.												
		Banjar Reserve B	62,512	98	...	...	62,512	98						
Sopsara " 40	4,016	6	...	...	4,016	6								
Malidadar " 44	63,853	100	...	...	63,853	100								
Do. " 44-A	2,234	3	...	...	2,234	3								
Do. " 44-B	3,191	5	...	...	3,191	5								
Do. " 44-C	327	1	...	...	327	1								
Do. " 44-D	1,025	2	...	...	1,025	2								
Do. " 44-E	718	1	...	...	718	1								
Do. " 44-F	4,802	7	...	...	4,802	7								
Karela " 58-E	1,547	3	...	...	1,547	3								
Chutti Pondi " 81	228	...	...	...	228	...								
Karregan " 37	9,503	15	298	...	9,503	15								
Rata " 41	577	1	...	...	577	1								
Narpa " 42	2,050	3	...	...	2,050	3								
Umaria " 43	879	1	...	...	879	1								
Bagaspur " 81	216	...	...	...	216	...								
Jhuugal " 82	2,380	4	...	...	2,380	4								
Total Range ...				159,770	250	298	...	160,068	250					
Jagmandal.	Do.	A Class.												
		Airi, Block No. A.	2,351	4	...	...	2,351	4						
Charraghogar C.	1,593	3	...	...	1,593	3								
Jagmandal Reserve J	29,792	47	...	...	29,792	47								
Jhurki 28	603	1	...	...	603	1								
Thaonra 29	953	1	...	...	953	1								

**ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests,
Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)**

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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	
NORTH-ERN CIRCLE.—(Contd.)	South Mandia.	Jagmandal.	Mandla ...	RESERVED FORESTS.—(Contd.)							
				A Class.							
			Malidadar, Block No. 44.	3,914	6	...	...	3,914	6		
			Do. " 44-A	3,069	5	...	...	3,069	5		
			Mungli " 45	556	1	...	...	556	1		
			Madhpuri " 46	576	1	...	...	576	1		
			Piparia " 48-C	18,258	29	...	...	18,258	29		
			Do. " 48-D	290	...	...	...	290	...		
			Khurra Chhapar, Block No. 51	20,375	32	...	...	20,375	32		
			Do. " 51-A	101	...	...	...	101	...		
			Do. " 51-B	331	1	...	...	331	1		
			Do. " 51-C	1,151	2	...	...	1,151	2		
			Chabi " 53-A	3,164	5	...	...	3,164	5		
			Theba " 54	3,609	6	...	...	3,609	6		
			Deori North " 57	141	...	...	...	141	...		
			Do. " 57	1,506	2	...	...	1,506	2		
			Sonatekri " 85	307	...	...	...	307	...		
			Kasota " 86	264	...	...	...	264	...		
			Deogaon " 87	350	1	...	...	350	1		
			Dhudka " 94	204	...	...	...	204	...		
			Khurra Chhapar South, Block No. 51-A	636	1	...	...	636	1		
			Khurra Chhapar East, Block No. 51-B	463	1	...	...	463	1		
			Total Range ...	94,557	148	...	...	94,557	148		
				A Class.							
			Motinala. Do. ... Motinala, Block M.	6,940	11	...	...	6,940	11		
			North Phen " N.	8,522	13	...	...	8,522	13		
			South Phen " S.	47,010	73	...	...	47,010	73		
			Deori " 57-B	619	1	...	...	619	1		
			Karela " 58	13,119	20	...	27	13,119	20	Notification No. 472, dated the 17th August 1916.	In the printed Report for year 1916-17, 11,736 acres were shown in C 5 for 13,054.
			Do. " 58-A	1,197	2	...	...	1,197	2		
			Do. " 58-B	441	1	...	...	441	1		
			Do. " 58-C	545	1	...	...	545	1		
			Khairi " 58-F	746	1	...	...	746	1		
			Patel Barni " 59	4,366	8	...	...	4,366	8		
			Jogi Gupha " 59-A	936	1	...	...	936	1		
			Do. " 59-B	900	1	...	...	900	1		
			Belpani " 60	20,542	46	...	...	20,542	46		
			Tutma " 61	25,934	42	...	...	25,934	42		
			Do. (Narsingpur) Block 61-A	821	1	...	...	821	1		
			Neosa " 62	3,790	6	...	...	3,790	6		
			Total Range ...	145,431	226	...	27	145,404	226		
			Total A Class ...	742,853	1,171	383	586	742,650	1,161		
			Total for Division ...	742,853	1,161	393	586	742,650	1,161		*The difference of 193 acres between the last and opening balances is due to correction of the mistake in the last year's closing balances.

**ANNUAL FORM No. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests,
Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)**

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE. —(Contd.)	Jubbulpore-Narsinghpur.	Murwara...	Jubbulpore.	RESERVED FORESTS.—(Contd.)							
				A Class.							
				Guraiya, Block No. 1	530	1	...	530	1		
				Junwani " 2	1,326	2	...	1,326	2		
				Bara " 3	1,070	2	...	1,070	2		
				Karrehu " 4	1,267	2	...	1,267	2		
				Hardua " 5	2,772	4	...	2,772	4		
				Banjari " 6	652	1	...	652	1		
				Surma " 7	1,174	2	...	1,174	2		
				Jalwara " 8	1,636	3	...	1,636	3		
				Ghugli " 9	2,639	4	...	2,639	4		
				Daredi " 10	1,545	2	...	1,545	2		
				Majhgawan " 11	1,445	2	...	1,445	2		
				Bijori " 12	2,297	4	...	2,297	4		
				Gopalpore " 13	3,983	6	...	3,983	6		
				Kharani " 14	1,106	2	...	1,106	2		
				Jhirla " 15	1,758	3	...	1,758	3		
				Bijpura Karondi, Block No. 16	4,944	8	...	4,944	8		
				Machmacha, Block No. 17	8,707	13	...	8,707	13		
				Khitoli, Block No. 18	9,367	14	...	9,367	14		
				Karela " 19	386	1	...	386	1		
				Sutri " 20	2,498	4	...	2,498	4		
				Salaiya " 21	341	1	...	341	1		
				Lakhapateri " 105	935	1	...	935	1		
				Jalasur " 106	568	1	...	568	1		
				Pathrari " 107	6,114	9	...	6,114	9		
				Pathori " 108	2,352	4	...	2,352	4		
				Kainah " 109	9,941	16	...	9,941	16		
				Umdor " 110	13,451	21	...	13,451	21		
				Namar " 111	723	1	...	723	1		
				Bilehri Khas " 112	1,285	2	...	1,285	2		
				Bhainsawahi " 113	487	1	...	487	1		
				Total Range ...	87,319	137	...	87,319	137		
	Sehora ...	Do.	Do.	A Class.							
				Jhapi Chapparwaha, Block No. 22	1,338	2	...	1,338	2		
				Jorpahar, Block No. 23	191	...	...	191	...		
				Kudra, Block No. 24	450	1	...	450	1		
				Bijhota " 25	15,107	24	...	15,107	24		
				Kathi " 26	4,339	7	...	4,339	7		
				Cheolapani " 27	1,508	2	...	1,508	2		
				Dhanwahi " 28	575	1	...	575	1		
				Hargarh " 29	417	1	...	417	1		
				Deogarh " 30	7,968	12	...	7,968	12		
				Umarpani " 31	8,044	13	...	7,800	13	No. 530 of 7th September 1916.	
				Deogawan " 32	1,115	2	...	1,164	2	No. 530 of 7th September 1916.	

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE.—(Contd.)	South Mandla.	Jagmandal.	Mandla ...	RESERVED FORESTS.—(Contd.)							
				A Class.							
			Malidadar, Block No. 41.	3,914	6	...	...	3,914	6		
			Do. " 44-A	3,069	5	...	...	3,069	5		
			Mungli " 45	556	1	...	...	556	1		
			Madhpuri " 46	576	1	...	...	576	1		
			Piparia " 48-C	18,358	29	...	...	18,358	29		
			Do. " 48-D	290	...	...	...	290	...		
			Khurra Chhapar, Block No. 51	20,375	32	...	...	20,375	32		
			Do. " 51-A	101	...	...	...	101	...		
			Do. " 51-B	331	1	...	...	331	1		
			Do. " 51-C	1,151	2	...	...	1,151	2		
			Chabi " 53-A	3,164	5	...	...	3,164	5		
			Theba " 54	3,609	6	...	...	3,609	6		
			Deori North " 57	141	...	...	...	141	...		
			Do. " 57	1,506	2	...	...	1,506	2		
			Sonatekri " 85	307	...	...	...	307	...		
			Kasota " 86	264	...	...	...	264	...		
			Deogaon " 87	350	1	...	...	350	1		
			Dhudka " 94	204	...	...	...	204	...		
			Khurra Chhapar South, Block No. 51-A	656	1	...	...	656	1		
			Khurra Chhapar East, Block No. 51-B	463	1	...	...	463	1		
			Total Range ...	94,557	148	...	...	94,557	148		
			A Class.								
			Motinala, Block M.	6,940	11	...	...	6,940	11		
			North Phen " N.	8,522	13	...	...	8,522	13		
			South Phen " S.	47,010	73	...	...	47,010	73		
			Deori " 57-B	619	1	...	...	619	1		
			Karela " 58	13,119	20	...	27	13,119	20	Notification No. 272, dated the 17th August 1916.	In the printed Annual Report for 1st year 1914-15 11,756 acres were wrongly shown in column 5 for 12,054.
			Do. " 58-A	1,197	2	...	...	1,197	2		
			Do. " 58-B	441	1	...	...	441	1		
			Do. " 58-C	545	1	...	...	545	1		
			Khairi " 58-F	746	1	...	...	746	1		
			Patel Bamni " 59	4,366	8	...	...	4,366	8		
			Jogi Gupha " 59-A	936	1	...	...	936	1		
			Do. " 59-B	900	1	...	...	900	1		
			Belpani " 60	29,542	46	...	...	29,542	46		
			Totma " 61	25,934	42	...	...	25,934	42		
			Do. (Narsingpur) Block 61-A	821	1	...	...	821	1		
			Neosa " 62	3,700	6	...	...	3,700	6		
			Total Range ...	145,431	228	...	27	145,404	228		
			Total A Class ...	742,853	1,161	383	586	742,050	1,161		
			Total for Division ...	742,853	1,161	383	586	742,050	1,161		*The difference of 80 acres between the last and opening balances is due to correction of the mistake in the last and the previous year's closing balances.

ANNUAL FORM No. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE.—(Contd.)	Jubbulpore-Narsinghpur.	Murwara	Jubbulpore.	RESERVED FORESTS.—(Contd.)							
				A Class.							
				Guraiya, Block No. 1	530	1	...	530	1		
				Junwani "	1,326	2	...	1,326	2		
				Bara "	1,070	2	...	1,070	2		
				Karreho "	1,267	2	...	1,267	2		
				Hardua "	2,772	4	...	2,772	4		
				Banjari "	652	1	...	652	1		
				Surma "	1,174	2	...	1,174	2		
				Jalwara "	1,636	3	...	1,636	3		
				Ghug'l "	2,659	4	...	2,659	4		
				Darodi "	1,545	2	...	1,545	2		
				Majhgawan "	1,445	2	...	1,445	2		
				Bijsori "	2,297	4	...	2,297	4		
				Gopalpore "	3,983	6	...	3,983	6		
				Kharani "	1,106	2	...	1,106	2		
				Jhirla "	1,758	3	...	1,758	3		
				Bijsura Karondi, Block No. 16	4,944	8	...	4,944	8		
				Machmachha, Block No. 17	8,707	13	...	8,707	13		
				Khitoli, Block No. 18	9,367	14	...	9,367	14		
				Karela "	386	1	...	386	1		
				Sutri "	2,498	4	...	2,498	4		
				Salaiya "	341	1	...	341	1		
				Lakhapateri "	935	1	...	935	1		
				Jalaur "	568	1	...	568	1		
				Pathrari "	6,114	9	...	6,114	9		
				Pathori "	2,352	4	...	2,352	4		
				Kainah "	9,941	16	...	9,941	16		
				Umdor "	13,451	21	...	13,451	21		
				Namar "	723	1	...	723	1		
				Bilchri Khas "	1,285	2	...	1,285	2		
				Bhainsawahi "	487	1	...	487	1		
				Total Range	87,319	137	...	87,319	137		
	Sehora	Do.	Do.	A Class.							
				Jhapi Chapparwaha, Block No. 22	1,338	2	...	1,338	2		
				Jorpahar, Block No. 23	191	...	...	191	...		
				Kudra, Block No. 24	450	1	...	450	1		
				Bijhota "	15,107	24	...	15,107	24		
				Kathi "	4,339	7	...	4,339	7		
				Cheolapani "	1,508	2	...	1,508	2		
				Dhanwahi "	575	1	...	575	1		
				Hargarh "	417	1	...	417	1		
				Deogarh "	7,968	12	...	7,968	12		
				Umarpani "	8,044	13	...	7,800	12	No. 520 of 7th September 1916.	
				Deogawan "	1,115	2	...	1,164	2	No. 530 of 7th September 1916.	

ANNUAL FORM No. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forests Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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	
NORTH-ERN CIRCLE.—(Contd.)	Jubbulpore-Narsinghpur.	Schora ... Jubbulpore.	RESERVED FORESTS.—(Contd.)									
			A Class.									
			Khuropani Block No. 33	4,497	7	...	...	4,497	7			
Kunharpara " 34			5,669	9	...	...	5,669	9				
Garhat " 35			474	1	...	...	474	1				
Punwara " 36			2,744	3	...	...	2,044	3				
Daroli " 37			607	1	...	...	607	1				
Patna " 38			2,628	4	...	...	2,628	4				
Samgarh " 39			969	1	...	...	969	1				
Mangawan " 101			684	1	...	...	684	1				
Amoch " 102			470	1	...	...	470	1				
Kuan " 103			1,028	1	...	...	1,028	1				
Jujawal " 104			796	1	...	...	796	1				
Total Range ...			61,118	95	...	395	60,723	95				
Jubbulpore.	Do.	Do.	A Class.									
			Kundwara Block No. 39	3,050	5	...	...	3,050	5			
			Budhari Block No. 40	2,024	3	...	...	2,024	3			
			Touri " 41	5,683	9	...	...	5,683	9			
			Pondi " 42-A	3,362	5	...	...	3,362	5			
			Porha " 43	7,538	11	...	...	7,538	11			
			Sukri " 43	1,114	2	...	...	1,114	2			
			Chutrl " 44	2,944	4	...	...	2,944	4			
			Bij-puri " 45	458	1	...	...	458	1			
			Lower Goar " 46	5,266	9	...	...	5,266	9			
			Gangai " 50	1,377	2	...	...	1,377	2			
			Dasrathpur " 51	4,042	6	...	...	4,042	6			
			Total Range ...		35,858	57	...	...	36,858	57		
Bargi ...	Do.	Do.	A Class.									
			Pararia Block No. 89	1,060	2	...	...	1,060	2			
			Chadwaha " 83	549	1	...	...	549	1			
			Kathotia " 84	1,639	3	...	...	1,639	3			
			Khamkhera " 85	744	1	...	...	744	1			
			Sattwara " 85-A	4,750	7	...	...	4,750	7			
			Mankheri " 86	347	...	...	...	347	...			
			Khapa " 87	365	1	...	...	365	1			
			Salwa " 88	1,356	2	...	...	1,356	2			
			Karanpathar " 89	4,679	7	...	...	4,679	7			
			Lobri " 90	4,515	7	...	...	4,515	7			
			Bargi Khas " 91	923	1	...	...	923	1			
			Narainpur " 92	487	1	...	...	487	1			
			Semra " 93	5,018	8	...	...	5,018	8			
			Tigra " 94	3,615	6	...	...	3,615	6			
			Kelone " 96	1,371	2	...	...	1,371	2			
			Piparia " 97	1,159	2	...	...	1,159	2			
			Tatan " 98	588	1	...	...	588	1			
			Total Range ...		33,165	52	...	...	33,165	52		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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					
NORTH-ERN CIRCLE. —(Contd.)	Bachhai	Narsinghpur.	Jamanpani, Block No. 1	1,947	3	...	...	1,947	3							
			Nimkhera " 2	342	1	...	...	342	1							
			Bandha " 3	851	1	...	...	851	1							
			Jhiri " 4	371	1	...	...	371	1							
			Bhadour " 5	2,012	3	...	...	2,012	3							
			Batka " 6	4,758	7	...	...	4,758	7							
			Umargarh " 7	16,529	26	...	...	16,529	26							
			Sher Piparia " 8	646	1	...	...	646	1							
			Ligharia " 9	4,064	6	...	...	4,064	6							
			Gangaori " 10	2,242	4	...	...	2,242	4							
			Sarra Dharla " 11	6,609	10	...	...	6,609	10							
			Kanaudal " 12	1,608	2	...	...	1,608	2							
			Dongaria " 13	3,600	6	...	...	3,600	6							
			Jamania " 14	640	1	...	...	640	1							
			Chawarpatha " 15	588	1	...	...	588	1							
			Gore Chapper " 16	908	1	...	...	908	1							
			Singori " 17	4,693	7	...	...	4,693	7							
			Bakari " 18	337	1	...	...	337	1							
			Pachai " 19	14,674	23	...	...	14,674	23							
			Datadongri " 20	1,322	2	...	...	1,322	2							
			Kishanpur " 21	1,643	3	...	...	1,643	3							
			Kerpani " 22	1,015	2	...	...	1,015	2							
			Total Range				71,399	112	...	...	71,399	112				
			Richhai	Do.	Do.	A Class.										
						Bandra, Block No. 31	178	...	...	...	178	...				
	Nayagaon " 32	1,176				2	...	...	1,176	2						
	Richai " 33	890				1	...	...	890	1						
	Kumrora " 34	999				2	...	...	999	2						
	Ramkheria " 35	1,202				2	...	...	1,202	2						
	Amanpani " 36	21,619				34	...	...	21,619	34						
	Mehgawan " 37	2,080				3	...	...	2,080	3						
	Mudkahi " 38	11,526				18	...	...	11,526	18						
	Mehka Khapa " 39	7,482				11	...	...	7,482	11						
	Bitrampur " 40	328				1	...	...	328	1						
	Total Range					47,480	74	...	...	47,480	74					
	Khalri	Do.	Do.	A Class.												
				Chowgaon, Block No. 23	22,050	34	...	...	22,050	34						
				Salechauka " 24	18,463	29	...	...	18,463	29						
				Total Range				40,513	63	...	...	40,513	63			
				Total A Class				377,852	590	...	395	377,457	590			
	Total for Division				377,852	590	...	395	377,457	590						

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		No. and date 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
NORTH-ERN CIRCLE. (Contd.) Damoh.	Fatehpur.	Damoh.	RESERVED FORESTS.—(Contd.)								
			A Class.								
			Panchamnagar, Block No. 1	2,425	4	...	...	2,425	4		
			Saonrai Block No. 2	6,019	9	...	...	6,019	9		
			Hathidol " 3	15,436	24	...	...	15,436	24		
			Gorakhuri " 4	4,794	7	...	...	4,794	7		
			Sukri " 5	4,967	8	...	...	4,967	8		
			Nalpar " 6	7,598	12	...	...	7,598	12		
			Silapri " 7	7,257	11	...	...	7,257	11		
			Manakpura " 8	5,095	8	...	...	5,095	8		
			Chauraiya " 9	8,224	14	...	...	8,224	14		
			Kanora " 10	893	1	...	...	893	1		
			Bhainsdoh " 11	3,884	6	...	...	3,884	6		
			Bari kanora " 12	3,322	5	...	...	3,322	5		
			Chaopra " 13	5,865	9	...	...	5,865	9		
			Karkubi " 14	15,142	24	...	...	15,142	24		
			Bharkura " 15	17,113	27	...	...	17,113	27		
			Mariadoh " 16	219	1	...	...	219	1		
			Karibara " 17	6,272	9	...	...	6,272	9		
			Bardha " 18	7,359	11	...	...	7,359	11		
			Total Range	121,884	190	...	...	121,884	190		
	Damoh.	...	A Class.								
			Umraho Jamunia, Block No. 19	2,106	3	...	...	2,106	3		
			Mahadanda " 20	2,599	4	...	...	2,599	4		
			Magra, Block No. 21	11,275	18	...	...	11,275	18		
			Hathbar " 22	891	1	...	...	891	1		
			Rarrat " 23	1,161	2	...	...	1,161	2		
			Zer " 24	6,685	11	...	...	6,685	11		
			Kuakho " 25	191	...	...	...	191	...		
			Pipariamal " 26	781	1	...	...	781	1		
			Gudri " 27	2,349	4	...	...	2,349	4		
			Podri " 28	3,230	5	...	...	3,230	5		
			Baraiya, Khera, Block No. 29	5,098	8	...	...	5,098	8		
			Panda Block No. 30	1,234	2	...	...	1,234	2		
			Maria " 31	6,698	11	...	...	6,698	11		
			Garaghat " 32	991	1	...	...	991	1		
			Golapatti " 33	358	1	...	...	358	1		
			Pateria " 34	1,476	2	...	...	1,476	2		
			Kusmi " 35	462	1	...	...	462	1		
			Khamkhera " 36	4,090	6	...	...	4,090	6		
			Damoh " 37	1,302	2	...	...	1,302	2		
			Rajnagar " 38	6,690	11	...	...	6,690	11		
			Kulna " 39	226	1	...	...	226	1		
			Amata " 40	815	1	...	...	815	1		
			Jamunia " 42	3,844	6	...	...	3,844	6		
			Balakot " 43	11,507	18	...	...	11,507	18		
			Bahera " 45	9,074	14	...	...	9,074	14		
			Chirai " 44	7,968	13	...	...	7,968	13		
			Dhaba " 46	1,453	2	...	...	1,453	2		
			Somkhera " 46	5,555	8	...	...	5,555	8		
			Jaman Hatri " 47	6,201	9	...	...	6,201	9		
			Jamanera " 47-A	276	1	...	...	276	1		
			Total Range	106,586	167	...	...	106,586	167		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE (Contd.)	Damoh	Tendukhera.	RESERVED FORESTS.—(Contd.)								
			A Class.								
			Dasondi, Block No. 48	271	}	1	...	271	}	1	
			Bhalnakhar "	49				274			
			Parasia "	50	2,641	4	...	2,641	4		
			Bando Pahar "	51	163	...	...	163	...		
			Pateria "	52	6,050	9	...	6,050	9		
			Hardoa Hathighat, Block No. 53	777	2	...	...	777	1		
			Mohar "	54	8,720	14	...	8,720	14		
			Saoga "	55	9,740	15	...	9,740	15		
			Jhalone "	56	522	1	...	522	1		
			Schri "	57	915	1	...	915	1		
			Kuakheri "	58	939	2	...	939	2		
			Aouria "	59	3,763	6	...	3,763	6		
			Lorhi "	60	10,768	17	...	10,768	17		
			Baheria "	61	9,306	15	...	9,306	15		
			Ragdari "	62	8,587	13	...	8,587	13		
			Hathidol "	63	6,386	11	...	6,386	11		
			Hanmatbagh "	64	10,563	16	...	10,563	16		
			Gopalpura "	65	693	1	...	693	1		
			Jamun "	66	11,095	17	...	11,095	17		
			Palwa "	67	10,023	15	...	10,023	15		
			Deori "	68	13,155	22	...	13,155	21		
			Barbata "	69	330	1	...	330	1		
			Sarratura "	70	3,977	6	...	3,977	6		
			Kalia Kuhl "	71	9,879	15	...	9,879	15		
			Blkrampur "	72	1,186	2	...	1,186	2		
			Dhakarwaha "	73	9,158	14	...	9,158	14		
			Lugra "	74	9,975	16	...	9,975	16		
			Dudhia "	75	13,730	22	...	13,730	22		
			Jamun Jhiri "	76	13,521	21	...	13,521	21		
			Phular "	77	721	1	...	721	1		
			Total Range	177,828	278	...	...	177,828	278		
	Singra mpur.	Do.	Deotara, Block No. 78	7,807	12	...	...	7,807	12		
			Jhoda "	79	3,610	6	...	3,610	6		
			Kheri "	80	4,647	7	...	4,647	7		
			Tanda Kalan "	81	1,619	2	...	1,619	2		
			Churiari "	82	6,585	10	...	6,585	10		
			Bansipur "	83	1,068	2	...	1,068	2		
			Singrapur "	84	6,429	10	...	6,429	10		
			Deori "	85	3,654	6	...	3,654	6		
			Saonra "	86	116	...	...	116	...		
			Aloni "	87	6,584	10	...	6,584	10		
			Bhaourpani "	88	8,922	14	...	8,922	14		
			Gidra "	89	9,352	15	...	9,352	15		
			Nibhora "	90	382	1	...	382	1		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land, and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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						
NORTH-ERN CIRCLE.— (Contd.)	Damoh	Singra m pur.	Damoh	RESERVED FORESTS.—(Contd.)													
				A Class.													
				Hinoti, Block No. 91	9,466	15	...	...	9,466	15							
				Sainpura " 92	683	1	...	...	683	1							
				Tola " 93	7,015	11	...	...	7,015	11							
				Silpura " 94	5,864	9	...	...	5,864	9							
				Mehgawan " 95	5,235	8	...	...	5,235	8							
				Sahajpur " 96	11,405	17	...	...	11,405	17							
				Jamunia " 97	345	1	...	...	345	1							
				Total Range	100,788	157	...	...	100,788	157							
				Total A Class	507,086	793	...	...	507,086	793							
				Total for Division	507,086	* 793	...	...	507,086	793							
				A Class.													
				Saugor	Deori	Saugor	Banda, Block No. 1	6,180	10	...	...			6,180	10		* Difference of 1 sq. mile between the opening and closing balances of the year is due to fractions being neglected. In the printed Annual Report for the year 1911-12 the opening balance was wrongly entered due to incorrect calculation.
							Aral " 2	11,313	18	...	...			11,313	18		
Bhenswahi " 3	6,424	10	...				...	6,424	10								
Bhadra " 4	17,490	27	...				...	17,490	27								
Hathkoh " 27	8,608	13	...				...	8,609	13								
Gutori Beragi " 29	323	...	...				...	323	...								
Pondi " 30	327	...	...				...	327	...								
Dhawar " 31	747	1	...				...	748	1								
Chandarpura " 32	1,003	2	...				...	1,004	2								
Bhajja Jhirla " 33	715	1	...				...	715	1								
Chameli Khapa " 34	938	2	...				...	939	2								
Basa " 35	13,000	20	...				...	13,000	20								
Naharman " 36	3,121	5	...				...	3,122	5								
Ghana " 38	405	1	...				...	405	1								
Surajpura " 39	786	1	...				...	786	1								
Delehri " 35-A	2,545	4	...				...	2,546	4								
Bhorpani " 36-A	728	1	...				...	728	1								
Alhanpur " 37-A	736	1	...				...	736	1								
Amakoh " 38-A	866	1	...				...	866	1								
Mohli " 39	*421	1	...				...	421	1								
Mohli " 39-A	246	...	...				...	246	...								
Gundrai " 30-A	7,284	12	...				...	7,285	12								
Rajgarh " 31-A	1,168	2	...	...	1,168	2											
Total Range	85,010	133	...	...	85,011	133											

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Area.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
NORTH-ERN CIRCLE.—(Contd.)	Saugor	Rehli	Saugor	RESERVED FORESTS.—(Contd.)							
				A Class.							
				Marhaj, Block No. 5	8,345'91	33	...	...	8,346	33	
				Dumar " 6	6,931'88	30	...	...	6,932	30	
				Mohli " 7	20,087'17	32	...	...	20,087	32	
				Baleh " 8	36,688'30	57	...	...	36,688	57	
				Dawalpani " 9	12,758'80	20	...	...	12,759	20	
				Garhakota " 10	2,795	4	...	...	2,795	4	
				Sondni " 11	1,623'46	3	...	...	1,623	3	
				Dangi Dehar " 12	1,039'11	2	...	...	1,039	2	
				Dararia " 13	729	2	...	...	729	2	
				Dararia " 13-A	277	...	...	...	277	...	
				Murga " 14	576'50	2	...	...	577	2	
				Abchand " 15	13,733'93	21	...	...	13,733	21	
				Chandarpur " 16	599	1	...	...	599	1	
				Pipral " 17	157'52	...	...	...	158	...	
				Jhinpani " 18	877	2	...	...	877	2	
				Naretha " 19	1,166'56	2	...	...	1,167	2	
				Mohandra " 20	1,209	2	...	...	1,209	2	
				Patna Kakri " 21	102	...	...	...	102	...	
				Chhelo " 22	1,433	2	...	...	1,433	2	
				Bonhari " 23	879	2	...	...	879	2	
				Mokla " 24	86'96	...	...	...	87	...	
				Suna " 24-A	120	...	...	...	120	...	
				Bambori " 25	708'92	1	...	...	709	1	
				Gourjhamar " 26	9,372'39	14	...	...	9,372	14	
				Total Range	122,285'50	191	...	...	122,287	191	
	Saugor	Do.	Ramtek, Block No. 40	165	...	...	...	165	...		
			Rangir " 41	10,268'28	16	...	...	10,268	16		
			Khurai Thauri " 42	433	1	...	...	433	1		
			Bishanpur " 43	414'50	1	...	...	415	1		
			Jaisinghnagar East, Block No. 44	1,076'21	2	...	...	1,076	2		
			Gondal " 45	221'92	...	...	...	222	...		
			Dungaria " 46	207	...	...	...	207	...		
			Keslon " 47	924'12	2	...	...	924	2		
			Berkheri " 48	162'70	...	...	...	163	...		
			Jera " 49	575	1	83'62	83'33	575	1	Notifications Nos. 616 and 617, dated the 1st January 1917.	
			Jaisinghnagar West, Block No. 50	1,689'87	3	...	...	1,690	3		
			Tendudahar " 51	1,670	3	...	...	1,670	3		
			Padrai " 52	190	...	...	...	190	...		
			Jamanla Gond " 53	912	1	...	...	912	1		
			Amet " 54	2,399'24	4	...	...	2,399	4		
			Talchiri " 55	1,206'81	2	9'26	10'53	1,206	2	Notifications Nos. 364 and 364-A, dated the 1st September 1916.	
			Udipara Tiwari " 57	3,066'46	5	...	...	3,067	5		
			Jasraj " 58	807	1	...	...	807	1		
			Sua Tal " 59	209	...	...	...	209	...		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-ERN CIRCLE. (Contd.)	Saugor	Saugor	RESERVED FORESTS.—(Contd.)								
			A Class.								
			Patharia, Block No. 60	2,403		13'38	14'30	2,397		Notifications Nos. 350 and 351, dated the 30th July 1916.	
						35'14	36'18			Notifications Nos. 344 and 343, dated the 26th August 1916.	
			Udipura " 61	85				85			
			Pagara " 62	103				103			
			Amakhurd " 63	874'80	1			875	1		
			Matia " 64	2,881	4			2,881	4		
			Chitoli " 65	6,596'72	10			6,597	10		
			Dhakoli " 66	715'09	1			715	1		
			Baheria Sahani,, 67	59				59			
			Ranipura " 69	839'54	1			840	1		
			Barkhera " 70	1,095	2			1,095	2		
			Lalak Patan " 71	2,233'28	4			2,233	4		
			Parasia Kalan,, 72	418	1			418	1		
			Kali Pathar " 73	602	1			602	1		
			Bhabuka " 74	1,397	2			1,397	2		
			Bahadurpur " 75	3,374	5			3,374	5		
			Do. " 75-A	3,715	6			3,715	6		
			Do. " 75-B	680	1			680	1		
			Rahatgarh " 76	4,843'90	8			4,844	8		
			Do. " 76-A	464	1			464	1		
			Manak Chauk,, 77	5,166'33	8		26'30	5,140	8		* Notification No. 158, dated the 19th March 1916, accre- lated to photo II and III with an area of 26'30 acres is cancelled, vide Notification No. 668, dated the 21st December 1916.
			Total Range	78,350'04	125	141'40	173'55	78,319	123		
	Khurai	Do.	Kanjia, Block No. 83	536	1			536	1		
			Chhatgarh " 84	536	1			536	1		
			Dewal " 85	12,837	20		1'36	12,836	20	Notification No. 338, dated the 6th June 1917.	
			Karonda " 86	357	1			357	1		
			Malthon " 87	32,137'18	50			32,137	50		
			Barodia " 89	3,366'60	5			3,367	5		
			Patharia Brahma n, Block No. 90	907	2			907	2		
			Chandrap North, Block No. 91	2,783	4			2,783	4		
			Chandrapur South, Block No. 92	5,317	9			5,317	9		
			Budhon " 93	439	1			439	1		
			Basia Gond " 94	9,205	14	39'16	44'52	9,200	14	Notifications Nos. 341 and 342, dated the 26th August 1916.	

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed, or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		No. and date of Notification of addition or transfer, etc.	Remarks.
				Acres.	Equivalent in square miles.			Area.	Equivalent in square miles.		
1	2	3	4	5	6	7	8	9	10	11	12
NORTH-EARN CIRCLE.—(Contd.)	Saugor	Saugor	Piral, Block No. 95	1,446	2	...	...	1,446	2		
			Hanota Dugaha,, 96	460	1	...	...	460	1		
			Bandri West ,, 97	3,797'06	6	...	...	3,797	6		
			Bandri East ,, 98	3,565'87	6	...	...	3,566	6		
			Simaria Gurra ,, 99	589	1	...	...	589	1		
			Nonia ,, 100	913	1	...	...	913	1		
			Bandighati, Block No. 101	1,187	2	...	...	1,187	2		
			Fatchpur ,, 102	355	...	...	...	355	...		
			Kalraho ,, 103	328	...	...	...	328	...		
			Bijpur ,, 104	521	1	...	...	521	1		
			Total Range	81,582'71	127	30'16	45'88	81,576	127		
	Banda	Do.	Patharia Gond, Block No. 105	13,837	22	...	...	13,837	22		
			Piparia Ghat ,, 106	10,177'77	16	...	...	10,178	16		
			Patan ,, 107	9,880'40	15	...	...	9,880	15		
			Zalimpur ,, 110	1,273	2	...	...	1,273	2		
			Sonpur ,, 111	261'50	...	...	...	262	...		
			Chauka ,, 112	350'40	1	...	...	350	1		
			Bherakhas ,, 113	794'08	1	...	...	794	1		
			Pehladpur ,, 114	1,209	2	...	...	1,209	2		
			Chandpura ,, 115	2,565'82	4	3'27	*0'27	2,569	4	*Notification No. 102-A, dated the 10th May 1917.	Due to correction of boundary line.
			Bamhori Saugor,, 116	749'28	1	...	...	749	1		
			Sasa, Block No. 117	404	1	...	...	404	1		
			Amakoi ,, 118	2,228	3	...	...	2,228	3		
			Patri Kota ,, 119	15,328'87	24	...	...	15,329	24		
			Kaneri ,, 120	112	...	45'03	47'18 *1'08	111	...	* Notifications Nos. 253 and 254, dated the 26th July 1916. No. 75-A, dated the 29th March 1917.	
			Kherwaho ,, 121	7,659'07	12	...	...	7,659	12		
			Dulchipur ,, 122	22,015'68	35	...	...	22,018	35		
			Mohari ,, 123	773'78	1	...	...	774	1		
			Chhain ,, 124	9,498'40	15	10'08 130'00	194'24 ...	9,444	15	Notifications Nos. 367, 368 and 369, dated the 1st September 1916.	
			Shahgarh ,, 125	8,175'03	1	51'25	0'46	8,226	13	Notifications Nos. 365 and 366, dated the 1st September 1916.	
			Hirapur ,, 126	1,860	3	...	...	1,860	3		
			Tigorha ,, 127	561	1	...	...	561	1		
			Indora ,, 128	2,117	3	...	...	*2,117	3		
			Total Range	111,832'01	175	241'53	243'23	111,829	175		
			Total A Class	479,059'88	749	422'09	462'66	479,019	749		
			Total for Division*	479,059'88	749	422'09	462'66	479,019	749		

*Note.—The difference of 101 acres between the last and opening balances is due to correction of the mistake in the last and preceding year's closing balances.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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	
NORTH-EAST CIRCLE.—(Contd.)	Moshangabad.	Bari	Moshangabad.	Jholi Block	16,033	25	...	16,033	25			
				Majhora "	11,115	17	...	11,115	17			
				Dhain "	13,225	21	...	13,225	21			
				Malni "	130,265	204	...	130,265	204			
				Total Range	170,638	267	...	170,638	267			
	Sohagpur.	Do.	Do.	Bagra Block	14,415	22	...	14,415	22			
				Dundadeh "	6,506	10	...	6,506	10			
				Binalfa "	21,596	34	...	21,596	34			
				Jharia "	17,131	27	...	17,131	27			
				South-Denwa "	57,595	90	...	57,595	90			
				Total Range	117,241	183	...	117,241	183			
	Moshangabad.	Do.	Do.	Nilgarh Block	25,461	40	...	25,461	40		Notification No. 423 of 14th September 1916.	
				Chourasideo "	20,549	32	60	20,549	32		Notification No. 228 of 14th September 1916.	
				Douri Jhunkar "	4,592	7	...	4,592	7			
				Ghogra "	967	2	...	967	2			
				Kasda "	754	1	...	754	1			
				Bardha "	1,531	2	...	1,531	2			
				Total Range	53,854	84	60	53,854	84			
	Seoni	Do.	Do.	Pipalgota Block	23,240	36	...	23,240	36			
				Budhimai "	16,658	26	...	16,658	26			
				Lokhartala "	28,220	44	...	28,220	44			
				Barasol "	34,694	55	...	34,694	55			
				Total Range	81,812	127	...	81,812	127			
	Rahatgaon.	Do.	Do.	Unchaburari Block	34,943	54	...	34,943	54			
				Jawardha "	25,979	41	...	25,979	41			
				Gorakhal "	33,991	53	...	33,991	53			
				Total Range	94,843	148	...	94,843	148			
	Magardha.	Do.	Do.	Indpara Block	24,718	39	...	24,718	39			
				Jarkabu "	61,568	96	...	61,568	96			
				Bichola "	1,855	3	...	1,855	3			
				Nilgarh "	440	1	...	440	1			
				Barnagar "	361	1	...	361	1			
				Joga "	1,410	2	...	1,410	2			
				Total Range	1,90,352	302	...	1,90,352	302			
	Total A Class				608,740	951	60	20	608,720	951		
	Total for Division				608,740	951	60	20	608,720	951		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-EERN CIRCLE.—(Contd.)											
RESERVED FORESTS.—(Contd.)											
A Class.											
Seoni	Koral	Seoni	Amargarh, Block No. 15.	6,182	9	...	...	6,182	9	Notification No. 247, dated the 10th May 1916.	Rectification of boundary line.
			Pakhara " 16.	3,041	5	...	...	3,041	5		
			Dalal " 16-A	1,346	2	3'60	3'60	1,346	2		
			Damjhiri " 16-B.	717	1	...	...	717	1		
			Koral " 21.	61,061	95	...	...	61,061	95		
			Agri " 22.	29,835	47	...	...	29,835	47		
			Barmara " 23.	712	1	...	...	712	1		
			Kumli " 24.	657	1	...	...	657	1		
			Khawasa " 25.	6,345	10	...	...	6,345	10		
			Baoli " 26.	628	1	...	...	628	1		
			Hatigarh " 27.	4,353	7	...	...	4,353	7		
			Total Range	114,777	179	3'60	3'60	114,728	179		
	Gangainala.	Do.	Khamaria, Block No. 17.	1,817	3	...	...	1,817	3	Notification No. 47, dated the 21st March 1917.	
			Badalpur " 17-A.	370	1	...	...	370	1		
			Chauri " 18.	2,412	4	...	...	2,412	4		
			Kutkasa " 19.	1,820	3	...	...	1,820	3		
			Gangainala " 20.	61,579	96	...	...	61,579	96		
			Koral " 21.	14,596	23	...	...	14,596	23		
			Khawasa " 25.	7,472	11	...	...	7,472	11		
			Total Range	90,066	141	...	...	90,066	141		
	Ugli	Do.	Ugli, Block No. 12.	53,596	84	...	...	53,596	84		
			Katol Sua " 12-A.	6,987	11	...	...	6,987	11		
			Gorera I " 12-B.	3,628	6	...	...	3,628	6		
			Gorera II " 12-C.	274	...	...	...	274	...		
			Pipardone " 12-C.	181	...	...	...	181	...		
			Karia Pahar " 13.	14,057	22	2'30	...	14,059	22		
			Ulat Behrai " 14.	6,622	10	...	...	6,622	10		
			Total Range	85,345	133	2'30	...	85,347	133		
	Chhapara.	Do.	Baroban, Block No. 10.	8,732	14	...	...	8,732	14		
			Amoli " 10-A.	448	1	...	...	448	1		
			Karondla " 10-B.	749	1	...	...	749	1		
			Bhogla " 10-C.	49	...	...	...	49	...		
			Sarangpur " 10-D.	235	...	...	...	235	...		
			Borpani " 10-E.	684	1	...	...	684	1		
			Sahajpur " 10-F.	2,965	5	...	...	2,965	5		
			Putehra " 10-G.	608	1	...	...	608	1		
			Megdon " 10-H.	176	...	...	...	176	...		
			Pargunatan " 10-J.	3,532	5	...	...	3,532	5		
			Sakri " 10-K.	953	1	...	...	953	1		
			Bijna " 11.	27,544	45	...	...	27,544	45		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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		
NORTH-EAST CIRCLE.— (Contd.)	Seoni.	Chha para.	Seoni ...	RESERVED FORESTS.—(Contd.)									
			A Class.										
			Manori, Block No. 11-A.	249	...	...	...	249	...				
			Nandia " 11-B.	366	1	...	...	366	1				
			Bherki " 11-C.	379	1	...	...	379	1				
			Barsola " 11-D.	778	1	...	...	778	1				
			Bakora " 11-E.	531	1	...	...	531	1				
			Jhilmilli " 11-F.	590	1	...	...	590	1				
			Utikata " 11-G.	470	1	...	...	470	1				
			Nakutia " 11-H.	4,984	8	...	...	4,984	8				
			Pailli " 11-J.	467	1	...	...	467	1				
			Niwari " 11-K.	395	1	...	...	395	1				
			Sarandla " 11-L.	589	1	...	...	589	1				
			Gangai " 11-M.	237	...	...	...	237	...				
			Kowaria " 11-O.	847	1	...	...	847	1				
			Maripatan " 11-P.	7,931	13	...	...	7,931	13				
			Dhadra " 11-Q.	380	1	...	...	380	1				
			Bijori " 11-R.	333	1	...	...	333	1				
			Latgaon " 11-S.	344	1	...	...	344	1				
			Barhaspur " 11-U.	295	...	...	...	295	...				
			Kowli " 11-V.	232	...	...	...	232	...				
			Bijna " 11-X.	243	...	...	...	243	...				
			Total Range ...				67,289	105	...	...	67,289		
	Dhuma.	Do.	Sherkumar, Block No. 1.	20,925	35	...	...	20,925	35				
			Parasia " 1-A.	1,582	3	...	...	1,582	3				
			Adegaoon " 1-B.	17,280	27	...	...	17,280	27				
			Ramnagri " 1-C.	1,549	3	...	...	1,549	3				
			Sagar " 1-D.	311	1	...	...	311	1				
			Sangai " 1-E.	685	1	...	...	685	1				
			Kapargarh " 1-F.	611	1	...	...	611	1				
			Pandupura " 1-G.	131	...	...	...	131	...				
			Soniadongri " 1-H.	2,257	4	...	...	2,257	4				
			Kharsai " 1-K.	335	1	...	...	335	1				
			Nagandeori " 1-L.	15,276	24	...	...	15,276	24				
			Dargarha South " 1-O.	3,571	5	...	...	3,571	5				
			Khapa " 1-M.	286	1	...	...	286	1				
			Raich " 1-N.	15,347	24	...	...	15,347	24				
			Lenda " 1-P.	397	1	...	...	397	1				
			Dargarh North " 1-Q.	1,120	2	...	...	1,120	2				
			Total Range ...				81,663	128	...	...	81,663	128	
	Narbudda.	Do.	Ghurawara, Block No 1-J.	181	1	...	...	181	1				
			Dhuma West Block No.2.	11,715	18	...	...	11,715	18				
			Dhuma, East " 2-A.	2,790	6	...	...	2,790	6				
			Dhuma " 2-B.	818	1	...	...	818	1				
			Bhatikhari " 2-C.	3,420	5	...	...	3,420	5				
			Dewara " 2-D.	1,313	2	...	...	1,313	2				

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-BRN CIRCLE.—(Contd.)	Nerbadda.	Seoni	RESERVED FORESTS.—(Contd.)								
			A Class.								
			Jaitpuri, Block No. 2-E.	188	...	...	...	188	...		
			Pindrai " 2-F.	158	...	...	...	158	...		
			Garghatia " 2-G.	275	...	...	...	275	...		
			Sukkam " 2-H.	6,140	10	...	...	6,140	10		
			Rablon " 2-J.	1,118	2	...	...	1,118	2		
			Sahaena " 2-K.	199	}	1	...	199	}	1	
			Malakhera " 2-L.	228				228			
			Barwakachar " 3.	5,297	8	...	...	5,297	8		
			Rajola " 3-A.	515	1	...	...	515	1		
			Katori " 3-B.	523	1	...	...	523	1		
			Roto " 4.	10,062	16	...	...	10,062	16		
			Roto " 4-A.	2,147	3	...	...	2,147	3		
			Roto " 4-B.	4,028	6	...	...	4,028	6		
			Bichua " 4-C.	317	1	...	...	317	1		
			Barela " 4-D.	870	1	...	...	870	1		
			Narbada " 5.	17,058	27	...	...	17,058	27		
			Rajawara " 6.	2,823	5	...	...	2,823	5		
			Kakartala " 7.	3,067	5	...	...	3,067	5		
			Massur Bhaonri " 7-A.	25	...	...	...	25	...		
			Hiranbhatta " 8.	1,893	3	...	...	1,893	3		
			Khursipar " ...	1,042	2	...	...	1,042	2		
			Udepur " 9-A.	878	1	...	...	878	1		
			Amoda " 9-B.	433	1	...	...	433	1		
			Dhanpura " 9-C.	715	1	...	...	715	1		
			Ghansor " 9-D.	196	...	...	...	196	...		
			Total Range ...	81,428	127	...	...	81,428	127		
			Total A Class ...	5,20,562	813	5'90	52'60	5,20,515	813		
			Total for Division ...	5,20,562	813	5'90	52'60	5,20,515	813		
Chhindwara.	Umroth ...	Chhindwara.	Bilawar Kalan, Block No. 1.	785	1	...	...	785	1		
			Bilawar Khurd, Block No. 2.	186	...	...	...	186	...		
			Garadei, Block No. 3.	1,822	3	...	...	1,822	3		
			Jamai " 4.	128	...	...	...	128	...		
			Kotakhari " 5.	2,093	3	...	...	2,093	3		
			Marwa " 6.	877	1	...	...	877	1		
			Ankhwari " 7.	601	1	...	...	601	1		
			Imardi " 8.	380	1	...	...	380	1		
			Khajri " 9.	1,860	3	...	...	1,860	3		
			Dhaw " 10.	2,711	4	...	...	2,711	4		
			Bankatawa " 11.	20,639	32	...	...	20,639	32		
			Khamkhera " 12.	910	1	...	...	910	1		
			Kokat " 13.	5,340	8	...	...	5,340	8		
			Kobania " 14.	4,746	7	...	...	4,746	7		
			Kobania " 14-A.	530	1	...	...	530	1		
			Sohagi " 15.	278	...	...	...	278	...		
			Talkhamra " 16.	2,618	4	...	...	2,618	4		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forests Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH-EASTERN CIRCLE.—(Contd.)	RESERVED FORESTS.—(Contd.)										
	A Class.										
Chhindwara.—	Umreth ...	Chhindwara.	Sajba, Block No. 17.	77	...	...	...	77	...		
			Gangudol " 17-A.	306	...	...	...	306	...		
			Khokaria " 18.	622	1	...	...	622	1		
			Chandameta " 19.	1,178	2	...	...	1,178	2		
			Dulanwari " 21.	26,634	41	...	...	26,634	41		
			Chipanala " 22.	19,990	32	...	...	19,990	32		
			Morchhi " 23.	378	1	...	...	378	1		
			Madni " 24.	479	1	...	...	479	1		
			Ankia " 24-A.	90	...	...	...	90	...		
			Bhanwar " 25.	2,492	4	...	...	2,492	4		
			Ghogripardhat " 26.	1,056	2	...	...	1,056	2		
			Rebab " 26-A.	772	1	...	...	772	1		
			Nimboti " 27.	580	1	...	...	580	1		
			Jangaldevhi " 28.	1,604	5	...	...	1,604	5		
			Bomlia " 29.	1,190	2	...	...	1,190	2		
			Total Range ...	1,03,914	161	...	...	1,03,914	161		
	Amarwara.	Do. ...	Manakdel, Block No. 31.	1,985	3	...	...	1,985	3		
			Pithli, Block No. 32.	355	1	...	...	355	1		
			Nagri " 33.	632	1	...	...	632	1		
			Lakra " 34.	274	...	...	...	274	...		
			Khiretti " 35.	1,295	2	...	...	1,295	2		
			Babal " 36.	384	1	...	...	384	1		
			Bijari " 37.	870	1	...	...	870	1		
			Duddi " 38.	6,420	10	...	...	6,420	10		
			Bardia " 39.	3,626	6	...	...	3,626	6		
			Ginor " 40.	209	...	...	...	209	...		
			Naheria " 41.	3,086	5	...	...	3,086	5		
			Charankhapa " 42.	12,648	20	...	...	12,648	20		
			Ghatpiparia " 43.	566	1	...	...	566	1		
			Dulara " 44.	1,066	3	...	...	1,066	3		
			Bichwa " 45.	321	1	...	...	321	1		
			Charankhapa " 46.	431	1	...	...	431	1		
			Thaonri " 47.	965	1	...	...	965	1		
			Barha " 48.	175	...	...	...	175	...		
			Chargaon " 49.	1,149	2	...	...	1,149	2		
			Puthra " 51.	2,964	4	...	...	2,964	4		
			Piparia Mau " 52.	706	1	...	...	706	1		
			Jhilmilli " 53.	358	1	...	...	358	1		
			Saliwara " 54.	820	1	...	...	820	1		
			Markawara " 55.	857	1	...	...	857	1		
			Umaria " 56.	398	1	...	...	398	1		
			Jhagraboh " 57.	379	1	...	...	379	1		
			Kirwari " 58.	329	...	...	...	329	...		
			Sirgori Khurd " 59.	428	1	...	...	428	1		
			Navegaon " 60.	321	...	...	...	321	...		
			Thaonri " 61.	3,961	6	...	...	3,961	6		
			Inceagera " 62.	572	1	...	...	572	1		
			Urdhan " 63.	362	1	...	...	362	1		
			Rawanwara " 64.	1,014	2	...	...	1,014	2		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH- THERN CIRCLE.— (Contd.)	RESERVED FORESTS.										
	A Class.										
Chhind- wara.— (Contd.)	Amarwara.	Chhindwara.	Bhandoria, Block No. 65.	1,443	2	...	...	1,443	2		
			Khirsadoh " 66.	1,846	3	...	...	1,846	3		
			Pandraani " 67.	2,576	4	...	...	2,576	4		
			Khairi " 68.	729	1	...	...	729	1		
			Dhabera " 69.	3,074	5	...	...	3,074	5		
			Chhinda " 70.	259	...	...	...	259	...		
			Damua " 71.	282	...	...	...	282	...		
			Mankadeo "K a l a n, Block No. 72.	1,098	2	...	...	1,098	2		
			Bichiaghati Block No. 73-B.	180	...	...	...	180	...		
			Patha, Block No. 73.	1,115	2	...	...	1,115	2		
			Baranga " 74.	1,341	2	...	...	1,341	2		
			Satnur " 75.	424	1	...	...	424	1		
			Karaboh " 76.	438	1	...	...	438	1		
			Total Range ..	65,751	103	...	...	65,751	103		
Sank	Do.	Do.	Dhatera, Block No. 77.	708	1	...	...	708	1		
			Chandanwara, Block No. 78.	806	1	...	...	806	1		
			Ghogri, Block No. 79.	289	...	...	...	289	...		
			Bareilpur " 80.	479	1	...	...	479	1		
			Tendni-Khotia " 81.	1,656	3	...	...	1,656	3		
			Morkha " 82.	573	1	...	...	573	1		
			Hasanpur " 83.	617	1	...	...	617	1		
			Hardua " 84.	1,368	2	...	...	1,368	2		
			Dhamania " 85.	1,050	2	...	...	1,050	2		
			Deori Kukaria " 86.	347	1	...	...	347	1		
			Garetia " 87.	986	1	...	...	986	1		
			Amaria West " 88.	565	1	...	...	565	1		
			Amaria East " 89-A.	12	...	...	...	12	...		
			Sank " 89.	1,597	3	...	...	1,597	3		
			Patra " 90.	251	...	...	...	251	...		
			Singori " 91.	344	1	...	...	344	1		
			Kumbhani " 92.	5,084	8	...	...	5,084	8		
			Dhamajhir " 93.	721	1	...	...	721	1		
			Gumtara " 94.	29,039	45	...	...	29,039	45		
			Pulpuldeh " 94-A.	1,864	3	...	...	1,864	3		
			Pulpuldeh Lower portion 94-A.	86	...	...	...	86	...		
			Chargon Block No. 94-B.	710	1	...	...	710	1		
			Bandhan " 94-C.	206	...	...	...	206	...		
			Kanhar Sagar " 95.	2,402	4	...	...	2,402	4		
			Kishanpur " 95-A.	376	1	...	...	376	1		
			Dokli " 98.	574	1	...	...	574	1		
			Futra " 98 A.	312	...	...	...	312	...		
			Silota " 99.	118	...	...	...	118	...		
			Gumaj " 100.	154	...	...	...	154	...		
			Saliwara " 100-A.	126	...	...	...	126	...		
			Marzadpur " 101.	389	1	...	...	389	1		
			Dodhgaon " 102.	1,673	2	...	...	1,673	2		
			Jathi Khapa " 103.	9,621	15	...	...	9,621	15		
			Total Range ..	65,030	101	...	...	65,030	101		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
NORTH- THERN CIRCLE.— (Contd.)	Ambara ...	Chhindawa.	RESERVED FORESTS.								
			A Class.								
Chhind- wara.— (Contd.)	Ambara ...	Chhindawa.	Dhora Bargaon, Block No. 117.	59	...	...	...	59	...		
			Kondar, Block No. 118.	700	1	...	...	700	1		
			Wardha " 119.	1,012	2	...	...	1,012	2		
			Karwhar " 120.	338	1	...	...	338	1		
			Chichghat " 122.	564	1	...	...	564	1		
			Sawajpani " 123.	1,265	2	...	...	1,265	2		
			Garmoh " 124.	6,042	9	...	...	6,042	9		
			Mandwe " 125.	603	1	...	...	603	1		
			Mohi " 126.	595	1	...	...	595	1		
			Piparpani " 127.	985	1	...	...	985	1		
			Bhojkund " 128.	4,752	7	...	...	4,752	7		
			Kathan " 129.	66,578	104	...	...	66,578	104		
			Ambara " 129-A.	2,290	4	...	...	2,290	4		
			Deogarh " 130.	27,006	42	...	...	27,006	42		
			Ghogra " 131.	3,025	5	...	...	3,025	5		
			Jamlapani " 132.	426	1	...	...	426	1		
			Sen durjana " 133.	323	1	...	...	323	1		
			Dighori " 134.	162	...	...	...	162	...		
			Changoba " 134-A.	838	1	...	...	838	1		
			Markawara " 135.	532	1	...	...	532	1		
			Total Range ...	1,18,105	185	...	...	1,18,105	185		
	Sillewani.	Do.	Khadbelli, Block No. 106.	61,026	95	29	...	61,026	95	Notification No. 670, dated the 21st December 1916.	In the year 1914-15 the area of this block was wrongly taken as 61,482 instead of 61,276 acres.
			Amakul, Block No. 107.	413	1	...	...	413	1		
			Niwari " 108.	734	1	...	...	734	1		
			Markasur " 109.	1,654	3	...	...	1,654	3		
			Mungapar " 109-A.	370	1	...	...	370	1		
			Chichgaon " 110.	259	...	...	...	259	...		
			Jamlapani " 111.	527	1	...	...	527	1		
			Bhutan Saongi South, Block No. 112.	2,181	3	...	...	2,181	3		
			Bhutan North, Block No. 112-A.	525	1	...	...	525	1		
			Sardoni, Block No. 113.	3,034	5	...	...	3,034	5		
			Pareghat " 114.	573	1	...	...	573	1		
			Khapa Padri " 115.	1,064	2	...	...	1,064	2		
			Total Range ...	72,360	114	29	...	72,360	114		
			Total A Class ...	425,160	664	29	...	425,160			
			Total for Division ...	425,160	664	29	...	425,160	664		
			Reserved Forest A Class.	4,163,782	6,506	1,756	2,002	4,163,536	6,506		
			GRAND TOTAL FOR NORTH- THERN CIRCLE.	4,163,782	6,506	1,756	2,002	4,163,536	6,506		*For the difference of 24 acres between the last and opening balances see notes against grand total of South Mandla and Saugor Division.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
SOUTH-ERN CIRCLE.											
Balaghat ...	Sonawani.	Balaghat...	Sonawani	61,000	96	504	...	61,504	96	Notification No. 45-A, dated the 5th March 1917.	Afforested. Addition due to a boundary correction.
			Dhirl Mangli	24,113	38	3	...	24,115	38		
			Remainder	541,263	845	...	...	541,263	845		
			Total for Division	626,376	979	506	...	626,882	979		
	Lanji										
Bhandara ...	All ranges.	Bhandara.	All forests	335,456	524	A Class.		335,456	524		
			Total A Class	335,456	524	...	...	335,456	524		
	Pertabgarh.	Do.				B Class.					
				5,479	9	...	...	5,479	9		
			Total B Class	5,479	9	...	...	5,479	9		
			Total for Division	340,935	533	...	...	340,935	533		
Bilaspur ...	All ranges.	Bilaspur ...	All forests	348,418	545	A Class.		348,418	545		
			Total for Division	348,418	545	...	...	348,418	545		
North Chanda.	Wairagarh.	Chanda ...	Injewara, Churmura, Delora, and Gilgaon.	69,127	108	...	164	68,963	108	Notification No. 40-A, dated the 5th March 1917.	Disforested.
			Remainder	642,576	1,004	...	...	642,576	1,004		
			Total A Class	711,703	1,112	...	164	711,539	1,112		
	Gunjiwahi.	Do.	Gunjiwahi	22,504	35	...	1	22,303	35		Exclusion due to correction of area.
			Remainder	151,727	237	...	...	151,727	237		
			Total B Class	174,031	272	...	1	174,030	272		
			Total for Division	885,734	1,384	...	165	885,569	1,384		
South Chanda.	All ranges.	Do.	All forests	608,323	950	A Class.		608,323	950		
			Total A Class	608,323	950	...	...	608,323	950		
	Ghot, Markhand and Sironcha and Dhaba.	Do.		214,268	335	B Class.		214,268	335		
			Total B Class	214,268	335	...	...	214,268	335		
			Total for Division	822,591	1,285	...	...	822,591	1,285		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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	
SOUTH-ERN CIRCLE.—(Contd.)	Nagpur-Wardha.	Nagpur and Wardha.	RESERVED FOREST.—(Contd.)									
			A Class.									
			All forests	457,929	715	...	...	457,929	715			
			Total for Division	457,929	715	...	...	457,929	715			
North Rai-pur.	Laon	Raipur	A Class.									
			Ellabhandar	42,290	66	...	18	42,272	66			
			Remainder	287,525	449	...	...	287,525	449			
			Total for Division	329,815	515	...	18	329,797	515		Exclusion due to correction of area by the Forest Map Office, Dehra Dun.	
South Rai-pur.	Dhamtari.	Do.	A Class.									
			Bisrampur	1,955	3	...	7	1,948	3			
			Koruma and Mogri	1,481	2	616	...	2,097	3			
			Kandri	2,195	3	...	214	1,981	3			
			Themli	402	...	...	402	...	...			
			Barari and Basant	1,914	3	529	...	2,443	4			
			Lasanwahi	2,814	4	...	529	2,285	3			
			Bambagaud	1,048	2	...	180	868	1			
			Dokai	1,684	3	584	...	2,268	4			
			Barbandha	5,621	9	77	...	5,698	9			
			Basikhai and Kotar-wahi.	2,863	5	628	...	3,491	6			
			Remainder	55,814	87	...	...	55,811	87			
		Drug	Barbhun (part)	1,888	3	21	...	1,909	3			
			Buputola	1,488	2	16	...	1,504	2			
			Markatola	2,959	5	13	...	2,972	5			
			Dhanapuri	2,409	4	559	...	2,968	5			
			Muskera	159	...	...	5	156	...			
			Korrajhar	154	...	1,071	...	2,225	3			
			Khirdigi	4,845	8	...	38	4,805	8			
			Sohtara	2,424	4	...	3	2,421	4			
			Naikura	2,451	4	...	47	2,414	4			
			Onakona	462	1	7	...	468	1			
			Marwathra	2,990	5	...	3	2,987	5			
						Total Range	99,024	155	4,121	1,416	101,719	
	Singpur	Raipur	Gobrapathar and Girola	15,680	24	...	49	15,631	24		Additions and ex-clusions due to correction of areas by the Forest Map Office, Dehra Dun.	
			Tarri and Dhol	10,991	17	49	...	11,040	17			
			Umradahra and Alsa	13,366	21	...	5,007	8,359	13			
			Murdhun and Chargaon.	599	1	...	599	...	...			
			Remainder	84,795	133	...	...	84,795	133			
			Total Range	123,431	193	49	5,655	117,835	184			

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
SOUTH-ERN CIRCLE.—(Contd.)	South Raipur.	North Sihawa.	Raipur ...	RESERVED FORESTS.—(Contd.)							
				A. Class.							
			Umradahra and Aisa ...	...	...	5,254	...	5,254	8		
			Marduli and Jawarra ...	10,526	17	424	...	10,950	18		
			Palgaon and Gondal-nala.	18,128	28	...	...	18,123	28		
			Murdhuni and Char-gaon.	10,815	17	599	...	11,414	18		
			Singholi and Tumba-har.	15,863	25	...	424	15,439	24		
			Koliari and Mohmela ...	8,511	13	...	731	7,780	12		
			Achholi, Daldali and Charbhata.	8,178	12	437	...	8,615	13		
			Ghotgaon and Kungera.	31,039	49	224	...	31,263	49		
			Basikhal and Kotar-wahi.	1,128	2	...	1,128	...	...		
			Remainder ...	45,632	71	...	...	45,632	71		
			Total Range ...	149,820	234	6,938	2,288	154,470	241		Additions and ex- clusions due to correction of areas by the Forest Map Office, Dehra Dun.
	South Sihawa.	Do.	Hiridih ...	730	1	715	...	1,445	2		
			Bausa, Boreh and Rata-wa.	14,964	23	...	3,631	11,333	18		
			Ghoragaon and Pand-hripanti.	10,121	16	...	676	9,445	15		
			Pharagaon and Bhira-gaon.	21,996	35	3,935	...	25,931	40		
			Sitanadi ...	294	...	...	294	...	...		
			Remainder ...	113,360	177	...	...	113,360	177		
			Total Range ...	161,465	252	8,640	4,601	161,504	252		Additions and ex- clusions due to correction of areas by the Forest Map Office, Dehra Dun.
South Raipur.	Balod ...	Drug ...	Kodari ...	634	1	4	...	638	1		
			Kamkaper ...	4,956	8	10	...	4,966	8		
			Mula and Anapara ...	7,184	11	81	...	7,265	11		
			Phagunda ...	716	1	32	...	748	1		
			Gongli ...	275	...	221	...	496	...		
			Korkuti ...	4,939	8	93	...	5,032	8		
			Baloda and Nagihar ...	4,172	7	41	...	4,213	7		
			Gurpal and Narra ...	4,684	7	20	...	4,704	7		
			Munigura ...	4,247	7	84	...	4,331	7		
			Nahnda ...	5,045	8	5	...	5,053	8		
			Orgaon and Pateli ...	6,304	10	70	24	6,350	10		
			Parkal and Jabkora ...	7,977	12	118	...	8,095	13		
			Putarwahi ...	4,519	7	625	...	5,144	8		
			Urjhe and Chihro ...	4,958	8	11	...	4,969	8		
			Magadah and Jabkusa.	9,038	14	18	...	9,056	14		
			Barbhum (part) ...	798	1	...	9	789	1		
			Remainder ...	28,001	44	...	...	28,001	44		
			Total Range ...	98,450	154	1,432	33	99,850	156		
			Total for Division ...	632,190	988	17,181	14,003	635,368	993		
			Reserved Forests A Class.	4,050,210	6,328	17,687	14,185	4,059,712	6,333		
			Reserved Forests B Class.	393,778	616	...	1	393,777	616		
			Total Southern Circle ...	4,443,988	6,944	17,687	14,186	4,447,489	6,949		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of *Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.*—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
SOUTH-ERN CIRCLE. —(Contd.)	RESERVED FORESTS UNDER THE IRRIGATION DEPARTMENT.										
	A Class.										
Balaghat ...	Sonawani Baihar and Dhanua.	Balaghat ...	...	1,015	1	...	...	1,015	1		
			Total for Division ...	1,015	1	...	...	1,015	1		
Bhandara ...	Gaikharli ...	Bhandara ...	Kondabura ...	15	...	610	...	635	1	Notification No. 63, dated the 31st November 1916.	For Bodalkasar tank.
			Umarjhari ...	580	1	29	...	609	1	Notification No. 344, dated the 14th September 1916.	For Chorkhamara tank.
			...	1,289	2	...	...	1,289	2		
			Total for Division ...	1,884	3	649	...	2,533	4		
Bilaspur ...	East Lormi.	Bilaspur ...	...	159	...	...	...	159	...		
North Chan-da.	Moharli Gunjeh-wahl.	Chanda ...	Moharli ...	2,135	3	8	...	2,143	3		For Nalashwar tank.
			Gunjewahl ...	3,153	5	10	...	3,163	5		For Asola Mendha tank.
			...	4,869	8	...	...	4,869	8		
			Total A Class ...	10,157	16	18	...	10,175	16		
North Chan-da.	Moharli ...	Chanda ...	Moharli ...	6	...	19	...	25	...		For Nalashwar tank.
			...	6	...	...	...	6	...		
			Total B Class ...	12	...	19	...	31	...		
			Total for Division ...	10,169	16	37	...	10,206	16		
South Chan-da.	Dhaba ...	Chanda ...	...	13	...	...	...	13	...		
			Total for Division ...	13	...	...	...	13	...		
South Rai-pur.	Balod ...	Drug ...	...	586	1	...	...	586	1		
			Total for Division ...	586	1	...	...	586	1		
			Total under the Irriga-tion Department.								
			A Class ...	13,801	21	667	...	14,468	22		
			B Class ...	25	...	19	...	44	...		
			GRAND TOTAL ...	13,826	21	686	...	14,512	22		

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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 UNDER THE PUBLIC WORKS DEPARTMENT.—(Contd.)												
SOUTH-ERN CIRCLE.—(Contd.)	Bhandara ...	Pertabgarh.	Bhandara...	Pertabgarh	...	...	4	...	4	...	} for Nawgaon Pal- andur Chichgarh road.	
					Singandoh	...	...	23	...	23		...
					...	81	...	...	...	81		...
					Total for Division	81	...	27	...	108		...
					A Class.							
North Chan-da.	Harell, Moharli and Wairagarh.	Chanda ...	...	...	298	...	...	...	298	...		
				Total for Division	298	...	...	...	298	...		
South Chan-da.	Alapili, Markhanda and Sironcha.	Chanda ...	...	...	151	...	...	...	151	...		
				Total A Class	151	...	...	...	151	...		
South Chan-da.	Markhanda and Sironcha.	Chanda ...	...	...	187	...	...	...	187	...		
				Total B Class	187	...	...	...	187	...		
				Total for Division	338	...	...	...	338	...		
Nagpur-Wardha.	East Pench Umrer and Hingol.	Nagpur and Wardha.	...	...	132	...	...	...	132	...		
				Total for Division	132	...	...	...	132	...		
				Total under the Public Works Department.								
				A Class	669	1	27	...	689	1		
				B Class	187	...	...	...	187	...		
GRAND TOTAL				849	1	27	...	876	1			

} for Nawegaon Pal-
andor Chichgarh
road.

ANNUAL FORM NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed Public Forest Land and Leased Forests, 1916-17.—(Contd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		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
BERAR CIRCLE.											
RESERVED FORESTS.											
A Class.											
Meighat ...	...	Amraoti ...	All Forests ...	751,676	1,175	...	...	751,676	1,175		
Amraoti ...	...	Do. ...	Do. ...	49,604	77	...	...	49,604	77		
Buldana ...	...	Buldana ...	Gumi ...	6,499	10	36	...	6,535	10	No. 9-A, dated the 8th February 1917.	Afforested.
Do. ...	...	Do. ...	Ghatbori ...	28,953	45	65	...	29,019	45	Nos. 9-A and 24-A, dated the 8th February 1917.	do.
Do. ...	...	Do. ...	Amdari North ...	16,907	25	...	21	15,986	25	No. 419, dated the 20th July 1916.	Transferred to "C."
Do. ...	...	Do. ...	All other Forests ...	108,984	171	...	...	108,984	171		
Total ...				160,445	251	108	21	160,524	251		
Yeotmal ...	...	Yeotmal ...	ondwakri ...	19,389	30	1,019	...	20,408	30	(a) No. 225, dated the 6th May 1916, and No. 488, dated the 23rd August 1916.	Afforested.
										No. 380, dated the 30th June 1916.	Transferred from "C."
Yeotmal ...	...	Yeotmal ...	Kharad ...	19,181	30	(b) 6,004	(c) 428	24,757	39	(b) Nos. 378 and 379, dated the 30th June 1916, No. 594, dated the 19th October 1916. No. 4138-A, dated the 20th June 1917 and No. 16-138-C, dated the 26th July 1917.	Transferred from "C."
										No. 593, dated the 19th October 1916.	Afforested.
										No. 655, dated the 9th December 1916.	
										(c) No. 385, dated the 30th June 1916.	Transferred to "C."
Do. ...	...	Do. ...	Cahusala ...	1,801	3	(d) 1,391	...	3,192	5	(d) No. 382, dated the 30th June 1916.	do.
Do. ...	...	Do. ...	Sonkhas ...	2,344	4	(e) 1,768	...	4,112	6	(e) Nos. 370 and 383, dated the 30th June 1916.	do.
Do. ...	...	Do. ...	Durge ...	...	...	(f) 3,244	...	3,244	5	(f) No. 381, dated the 30th June 1916.	do.
Do. ...	...	Do. ...	Pathroat ...	3,317	5	424	...	3,741	6	No. 371, dated the 30th June 1916.	do.
Do. ...	...	Do. ...	Anjankher ...	7,827	12	2,339	...	10,166	16	No. 374, dated the 30th June 1916.	do.
Do. ...	...	Do. ...	Lonbehel ...	9,353	15	6,159	...	15,512	24	No. 375, dated the 30th June 1916.	do.
Do. ...	...	Do. ...	Dabhadi ...	7,739	12	1,302	...	9,041	14	No. 373, dated the 30th June 1916.	do.
Do. ...	...	Do. ...	Rui ...	534	1	7,004	...	7,538	12	No. 376, dated the 30th June 1916, and Erratum No. 2-1-117-A, dated the 23rd May 1917.	do.
Do. ...	...	Do. ...	Satara ...	...	...	1,517	...	1,517		No. 378, dated the 30th June 1916.	do.

NO. 7.—[PRESCRIBED].—Area of Reserved Forests, Protected Forests, Unclassed Public Forest Land and Leased Forests, 1916-17. — (Contd.)

Civil District Territory	Name of Forest.	Area on 1st July 1916.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1917.		No. and date of Notification of addition of transfer, &c.	Remarks.
		Acres.	Equivalent in square miles.			Acres.	Equivalent in square miles.		
3	4	5	6	7	8	9	10	11	12
		RESERVED FORESTS (Contd.)							
		A Class.							
Yeotmal ...	Bori Gosawi ...	...	...	977	...	977	2	No. 184, dated the 10th June 1916.	Transferred from "C."
Do. ...	Kinwat ...	115,295	180	694	...	115,089	181	No. 321, dated the 1st May 1916 and No. 1-118-A, dated the 19th May 1917.	Afforested.
Do. ...	All other Forests ...	175,151	273	...	...	175,151	273		
	Total ...	361,941	565	33,842	428	395,553	617		
Akola ...	Pangra ...	11,226	18	...	...	11,226	18	No. 66-B, dated the 21st March 1917.	Erratum. A. G. excluded.
Do. ...	All Forests ...	114,581	179	...	...	114,581	179		
	Total ...	125,807	197	...	...	125,807	197		
	GRAND TOTAL OF CLASS "A" IN BETAR.	1,449,471	2,265	33,944	449	1,483,966	2,317		
		C Class.							
Amraoti ...	All Forests ...	93,569	146	...	...	93,569	146	No. 121-A, dated the 15th May 1917	Erratum.—Change of survey Nos. only.
Buldana ...	Do. ...	114,519	179	(a) 21	(b) 27	114,513	179	(a) No. 419, dated the 20th July 1916. (b) No. 9-B, dated the 8th February 1917.	Transferred from "A." Disforested.
Yeotmal ...	Do. ...	399,877	625	(c) 1,733	(d) 34,391	367,219	574	(c) No. 246, dated the 6th May 1916, No. 489, dated the 23rd August 1916, No. 592, dated the 19th October 1915, No. 645, dated the 9th December 1916 and No. 35-A, dated 19th February 1917. No. 185, dated the 30th June 1916. (d) No. 574, dated the 19th October 1916. Nos. 370 to 376, and 378 to 384, dated the 30th June 1916. No. 4-1-138-A, dated the 30th June 1917 and No. 16-1 138-C., dated the 20th July 1917. Nos. 177 and 186, dated the 30th June 1916. No. 504, dated the 19th October 1916 and No. 654, dated the 9th December 1916.	Afforested. Disforested.
								No. 2-117-A, dated the 3rd May 1917. No. 1-138-B, dated the 30th June 1917.	Excluded by and added to "A." Excluded by correction.

ANNUAL FORM NO. 7.—[PRESCRIBED].—*Area of Reserved Forests, Protected Forests, Unclassed or Public Forest Land and Leased Forests, 1916-17.*—(Concl'd.)

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1916.		Added during the year.		Excluded or transferred to other heads.		Area on 30th June 1917.		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		
BERAR PROVINCE.—(Contd.)													
RESERVED FORESTS.—(Contd.)													
C Class.													
Betula	...	Akola	All Forests	80,529	126	...	(e) 6	80,523	126	No. 66-A., dated the 21st March 1917. (e) No. 65B. dated the 10th January 1917.	Erratum.—Charge of Survey No. only. Disforested.		
GRAND TOTAL OF CLASS "C" IN BERAR.				688,494	1,076	1,754	34,424	655,824	1,025				
GRAND TOTAL OF ALL CLASSES IN BERAR.				2,137,965	3,341	35,698	34,873	2,138,790	3,342				
A Class.													
Nimar	Chandgarh.	Nimar	Dcha Darkali	15,514	24	...	22	15,492	24				
Do.	Do	Do.	Other Forests	72,635	114	...	...	72,635	114	No. 54B. dated the 19th September 1916.	Disforested.		
Total Range				88,149	138	...	22	88,127	138				
Do.	Other Ranges.	Do.	All other Forests	990,572	1,548	...	...	990,572	1,548				
Total Division				1,078,721	1,686	...	22	1,078,699	1,686				
Betul	Ranpur	Betul	Kharagondi	25,198	39	3	...	25,201	39				
Do.	Do.	Do.	Other Forests	70,308	110	...	...	70,308	110	No. 46A. dated the 3rd August 1916.	Afforested.		
Total Range				95,506	149	3	...	95,509	149				
Do.	Other Ranges.	Do.	All other Forests	659,960	1,031	...	...	659,960	1,031				
Total Division				755,466	1,180	3	...	755,469	1,180				
Total A Class in Nimar and Betul.				1,834,187	2,866	3	22	1,834,168	2,866				
B-I Class.													
Betul	All Ranges.	Betul	All Forests	5,666	9	...	...	5,666	9				
Total Division				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.				1,837,853	2,875	3	22	1,839,834	2,875				
GRAND TOTAL OF ALL CLASSES IN BERAR PROVINCE.				3,977,819	6,216	35,701	34,895	3,979,624	6,217				
GRAND TOTAL CENTRAL PROVINCES AND BERAR.				12,585,588	19,764	55,144	51,083	12,589,649	19,672				

FORM NO. 8.—Progress made in Forest Settlements during the year 1916-17.

Forest Division.	Civil District or Territory.	Name of Forest.	Area in square miles.			Cost during year.		Entire cost per square mile of area 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
RESERVED FORESTS.										
NORTHERN CIRCLE.										
A Class.										
North-Mandla	Mandla	hanora	'11	'11	...	...	...	...	414	13th July 1916.
		Harratola	'20	'20	...	...	...	...	590	19th October 1916.
		Khairi	...	...	'02	...	...	...	1,142	11th June 1917.
South-Mandla	Mandla	Sidholi	'13	'13	...	...	...	...	590	19th October 1916.
		Audla	'46	'46	...	...	...	...	345	19th June 1916.
Jubbulpore	Jubbulpore	...	...	...	...	...	...	...	...	...
Narsinghpur	Narsinghpur	...	...	...	...	...	...	...	...	...
Damoh	Damoh	...	...	...	...	...	...	...	...	...
Saugor	Saugor	Maria	...	...	...	...	...	...	341	19th June 1916.
		Zera	...	...	...	...	...	...	616	6th November 1916.
		Salaiya Gazi	...	...	...	...	...	...	364	27th June 1916.
		Bartama	...	...	...	...	...	...	250	20th July 1916.
		Pamakheri	'65	'66	...	...	...	...	344	29th June 1916.
		Shahgarh	...	...	...	...	...	...	366	Do.
		Do.	...	...	...	...	...	...	367	Do.
		Kaneri	...	...	...	...	...	...	253	20th May 1916.
		Sukalipur	...	'01	...	...	...	...	235	27th April 1916.
		Dhorai	...	...	...	...	...	...	697	18th January 1917.
Hoshangabad	Hoshangabad	Manak Ohhak	...	...	'14	604	...	...	669	21st December 1916.
		Jhiria Khirla	...	...	...	...	...	...	627	20th November 1916.
		Amadch	'09	'09	...	...	...	...	342	14th September 1916.
Seoni	Seoni	Katopiparia	...	...	'005	...	...	...	47-A	21st March 1917.
Chhindwara	Chhindwara	Khadbell	'005	'0005	...	...	...	...	670	21st December 1916.
Total for Northern Circle.			16'505	16'605	'164	604	...	...		
SOUTHERN CIRCLE.										
Balaghat	Balaghat	Nawegaon	0'79 (b)	...	0'79 (a)	...	...	...	(a) 461	3rd August 1916.
Bhandara	Bhandara	Thadajhari	...	...	0'44	...	...	...	(b) 45-A 411	5th March 1917.
Nagpur	Wardha	Belhara	...	...	0'55	...	...	...	608	13th July 1916.
Wardha		...	...	...	...	...	...	...	...	...
South Raipur	Raipur	Bhandarwahi	...	...	0'14	...	...	...	476	22nd July 1916.
		Botha	...	...	0'24	...	...	...	466	5th August 1916.
		Banjari and Kuratola	...	...	0'21	...	...	...	485	23rd August 1916.
Total Southern Circle			0'79	...	8'59	...	...	...		

FORM NO. 8.—*Progress made in Forest Settlements during the year 1916-17.*—(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
BERAR CIRCLE.				RESERVED FORESTS.						
				C. Class.						
Melghat	Amraoti	...	...	...	...	...	...	...	...	...
Amraoti	Amraoti	...	...	...	...	...	...	...	...	...
Buldana	Buldana	Dhalsawangi	(1) 0'06	0'06	...	...	...	...	(1) 9-A	8th February 1917.
		Hanmantkhed	(2) 0'04	0'04	...	...	...	...	(1) 4'7	18th July 1916.
		Degaon	(3) 0'06	...	(2) 0'06	...	...	...	430	30th July 1916.
									(3) 24-A	8th February 1917.
									(4) 246	6th May 1916.
									488	23rd August 1916.
									489	23rd August 1916.
									599	19th October 1916.
									655	9th December 1916.
									593	19th October 1916.
Yeotmal	Yeotmal	Several Villages	(4) 4'11 (5) 0'50 (6) 0'60	5'21	...	...	...	...	656	9th December 1916.
									35-A	19th February 1917.
									(5)	To go to "E" class.
									(6)	Not to be notified under Section 19.
Akola	Akola	Several Villages	(7) 1'06	1'06	...	...	...	...	(7) 311 1'118-A	31st May 1916. 19th May 1917.
		Sondahl, Yekamba and Thardi villages.	...	...	0'07	...	...	...	437	22nd July 1916.
		Several Villages	...	...	2'44	...	...	...	86-A	21st April 1916.
		Mangrul Khurd and Dabhadi villages.	...	...	1'96	...	...	...	86-C	31st May 1917.
Nimar	Nimar	...	...	...	...	...	...	...	...	...
Betul	Betul	Dharakho Railway Station.	0'05	0'005	...	...	...	...	465	3rd August 1916.
		Total Berar Circle	6'435	6'375	5'53	...	...	...		
		Total Central Provinces and Berar	23'019	33'680	7'256	604	...	...		

FORM NO. 9.—[PRESCRIBED]. —Record of Demarcation and Maintenance of Boundaries, 1916-17.

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.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
NORTHERN CIRCLE.										
North-Mandla	6 (a)	1,313	278	1,597 (b)	...	168 (c)	1,765	...	1,598	(a) No expenditure incurred.
South-Mandla	...	928	270	1,198	...	137	1,335	3 (d)	1,198	(b) Decrease of 5 miles due to changes in Form No. 7.
Jubbulpore-Narsinghpur	...	607	629	1,236	...	296	1,532	...	901	
Damoh	1	3	1,394	1,398	...	358	1,756	38	248	(c) Decrease of 2 miles due to changes in Form No. 7.
Saugor	21	760	832	1,613	...	220	1,833 (e)	215	1,291	(d) For demarcating Pondi Forest village.
Hoshangabad	...	109	360	469	...	49	518	...	1,025	
Seoni	...	970	706	1,676	...	229	1,905	...	1,125	(e) Decrease of 8 miles due to exchanges of areas.
Chhindwara	2	87	1,363	1,452	...	19	1,471	38	832	
Total Northern Circle	30	4,777	5,832	10,609	...	1,476	12,115	294	8,218	
SOUTHERN CIRCLE.										
Balaghat	...	475	794	1,269	...	119	1,388	...	1,813	
Bhandara	...	200	1,058	1,258	...	135	1,393	...	120	
Bilaspur	...	55	309	364	...	120	484	...	122	
North-Chanda	...	296	1,780	2,076	...	230	2,306	...	885	
South-Chanda	...	130	575	705	...	99	804	...	595	
Nagpur-Wardha	...	733	441	1,174	...	107	1,281	...	1,296	
North-Raipur	...	439	...	439	...	119	558	*94	216	*Expenditure incurred for construction of 28 new masonry pillars.
South-Raipur	3	835	...	838	...	36	874	9	378	
Total Southern Circle	3	3,163	4,957	8,123	...	965	9,088	103	5,423	

FORM NO. 9.—[PRESCRIBED].—Record of Demarcation and Maintenance of Boundaries,
1916-17.—(Concl'd).

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.	
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
BERAR CIRCLE.										
Melghat A Class	...	92	226	318	...	58	376	...	370	
Amraoti	A Class	...	390	390	...	13	403	...	..	
	C Class	...	3,070	3,070	...	17	3,087	...	...	
Baldana	A Class	...	64	495	559	15	574	...	262	
	C Class	...	158	496	655	...	665	3	174	
Yeotmal	A Class	56	...	972	1,028	109	1,189	592	80	
	C Class	...	...	4,042	4,042	...	4,042	...	...	
Akola	A Class	43	...	884	927	30	958	620	11	
	C Class	...	...	...	...	...	...	3	66	
Nimar A Class	...	269	794	1,063	...	301	1,364	...	1,362	
Betul	A Class	...	811	385	1,196	178	1,374	104	713	
	B-I Class	...	2	24	26	8	34	...	...	
Total Berar Circle	100	1,396	11,778	13,274	139	653	14,066	1,322	3,038	
GRAND TOTAL CENTRAL PROVINCES AND BERAR.	133	9,330	22,567	32,036	139	3,094	35,269	1,719	16,639	

FORM No. 10.

FORM NO. 10.—[PRESCRIBED].—Statement of Forest areas surveyed and under

Division.	Area surveyed and under survey during the											
	Special surveys—Maps on 2-inch scale or over, by Survey of India Department, or Forest Survey Branch.						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.
	2	3	4	5	6	7	8	9	10	11	12	13
NORTHERN CIRCLE.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.
North-Mandla	754	...	57,267	...	...	...	...	...	...	32	...	...
South-Mandla	1,135	...	57,388	...	...	...	...	...	...	21	...	...
Jubbulpore-Narsinghpur	591	...	69,486	...	...	...	...	...	...	...	...	...
Damoh	792	...	2,12,429	...	...	...	...	...	...	...	...	...
Saugor	752	...	79,030	...	...	...	...	...	...	...	...	...
Hoshangabad	1,211	...	18,873	...	...	...	...	...	...	...	...	...
Seoni	827	...	60,146	...	...	...	...	...	...	...	...	...
Chhindwara	712	...	49,185	...	...	...	...	...	...	...	...	...
Total Northern Circle	6,774	...	6,03,804	...	...	...	...	...	...	53	...	...
SOUTHERN CIRCLE.												
Balaghat	954	...	45,963	...	...	...	...	...	...	...	...	...
Bhandara	533	...	36,822	...	...	...	...	...	...	...	...	...
Bilaspur	(a) 614	...	42,549	...	...	...	...	...	...	...	...	...
North-Chanda	3,066	...	86,999	...	...	...	...	...	...	...	...	...
South-Chanda												
Nagpur-Wardha	705	...	60,467	...	...	...	...	...	...	...	...	...
North-Raipur	1,386	...	1,03,818	...	...	...	...	...	...	...	...	...
South-Raipur												
Total Southern Circle	7,268	...	3,76,618	...	...	...	...	...	...	...	...	...
BERAR CIRCLE.												
Melghat	1,175	...	...	...	...	...	...	...	...	...	...	...
Amraoti	...	...	...	...	...	224	39	...	...	259	...	...
Buldana	126	...	...	...	...	...	323	...	...	1,225	...	...
Yeotmal	...	...	...	...	...	...	732	...	...	2,137	...	...
Akola	...	...	...	...	...	...	212	...	...	920	...	...
Nimar	1,657	...	5,309	...	...	...	29	...	...	29	...	...
Betul	1,189	...	20,207	...	...	...	...	...	...	...	...	...
Total Berar Circle	4,147	...	25,516	...	...	224	1,335	...	...	4,570	...	...
GRAND TOTAL FOR CENTRAL PROVINCES AND BERAR.	18,189	...	10,05,938	...	...	224	1,335	...	...	4,623	...	...

Survey during the year 1916-17.

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.	Cost.			Remarks.
With interior details.				Boundary Surveys.						Previous.	Of year.	Entire cost of all Surveys at end of the year.	
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	
1	...	...	...	...	...	...	...	...	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	
...	...	...	...	...	...	...	...	...	661	49,185	...	49,185	
1	...	...	...	...	4	...	...	...	6,506	6,03,804	...	6,03,804	
...	...	...	...	...	...	...	...	...	979	45,963	...	45,963	
...	...	...	...	...	...	...	...	...	533	36,822	...	36,822	
...	...	...	...	...	...	...	...	...	545	42,549	...	42,549	(a) Includes 120 square miles of the Sonakhan Range transferred to the North-Raipur Division.
...	...	...	...	...	4	...	...	...	1,384	86,999	...	86,999	
...	...	...	...	...	...	...	...	...	1,285		...	...	
...	...	...	...	...	...	...	...	...	715	60,467	...	60,467	
...	...	...	...	...	6	...	...	...	515	1,03,818	...	1,03,818	
...	...	...	...	...	...	...	...	...	993		...	...	
...	...	...	...	...	10	...	...	...	6,949	3,76,618	...	3,76,618	
168	...	...	...	2,621	...	...	...	...	1,175	2,16,511	4	2,16,515	
46	...	...	...	540	...	...	...	155	223	2,303	61	2,364	
28	...	...	...	...	...	...	...	...	430	423	3	426	
...	...	...	...	...	...	...	...	...	1,191	29,839	721	30,560	
...	...	...	...	...	...	...	...	...	323	4,363	152	4,515	
...	...	...	...	...	...	...	...	...	1,686	5,309	...	5,309	
...	...	...	...	...	...	...	...	...	1,189	20,207	...	20,207	
242	...	...	...	3,161	...	...	...	155	6,217	2,78,955	941	2,79,896	
243	...	...	...	3,161	14	...	...	155	19,672	12,59,377	941	12,60,318	

FORM NO. 11.—Progress made in Working Plans during the year 1916-17.

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
NORTHERN CIRCLE.														
North-Mandla	175	...	...	175	22	...	...	611	786	...	...	...	...	*Includes 119 sq. miles of the khannat sal forest under rough scheme.
South-Mandla	443	...	...	443	38	...	...	718	1,161	...	...	...	...	
Jubbulpore-Narsinghpur	590	...	...	590	100	...	...	...	590	...	...	...	...	†Please see remark, given in Form No. 7. Due to fraction being neglected.
Damoh	793	...	†1	793	100	...	...	...	793	...	...	...	...	
Saugor	749	...	...	749	100	...	...	...	749	...	...	...	...	
Hoshangabad	740	...	...	740	77	...	55	156	951	...	...	...	...	
Seoni	813	...	...	813	100	...	...	...	813	...	...	...	...	
Chhindwara	664	...	...	664	100	...	...	...	664	...	...	...	...	
Total	4,967	...	1	4,966	76	...	55	1,485	6,506	...	...	...	...	
SOUTHERN CIRCLE.														
Balaghat	873	90 (a)	...	963	98	...	2	14 (b)	979	...	...	680	...	(i) New work. (b) Afforested after the preparation of the Sal Working Plan.
Bhandara	533	...	...	533	100	...	...	...	533	...	...	...	...	(c) Includes 15 sq. miles of B class Forest. (d) B class Forest.
Bilaspur	545	...	...	545	100	...	...	...	545	...	...	...	...	
North-Chanda	(c) 1,127	...	...	1,127	81	...	...	(d) 257	1,384	1,112	...	...	...	
South-Chanda	643	...	...	643	50	(e) 507	...	(f) 325	1,885	...	(g) 65	...	...	
Nagpur-Wardha	715	...	...	715	100	...	...	...	715	...	...	...	...	(e) Sironcha Range. (f) B class Forest. (g) Wainganga F. S.
North-Raipur	515	...	...	515	100	...	...	...	515	...	515	...	...	
South-Raipur	963	(h) 5	...	968	97	(i) 23	...	(k) 3	993	...	968	...	...	
Total Southern Circle	5,914	95	...	6,009	86	339	2	609	6,949	1,112	1,548	680	...	(h) Correction of areas. (i) Afforested since the old Working Plans were sanctioned. (k) Land recently taken over from the Irrigation Department.
BERAR CIRCLE.														
Melghat	693	482	...	1,175	100	...	...	...	1,175	...	...	693	...	(a) Includes 19 sq. miles in column 2 which have been incorporated in the Working Plan for the whole Division.
Amraoti	...	...	...	...	...	223	...	...	223	...	...	...	4	
Baldana	430	...	...	430	106	...	...	...	430	...	...	...	...	
Yeotmal	19	...	...	19	159	(a) 757	...	415	1,191	...	19	...	389	
Akola	323	...	...	323	100	...	...	...	323	...	...	...	...	(b) B-I class Forest to be disforested.
Nimar	1,686	...	...	1,686	100	...	...	...	1,686	...	...	...	...	
Betul	1,180	...	...	1,180	99	...	...	(h) 0	1,180	...	...	...	...	
Total Berar Circle	4,331	482	...	4,813	77	980	...	424	6,817	...	19	693	593	
GRAND TOTAL FOR CENTRAL PROVINCES AND BERAR.	1,05,924	577	1	15,807	219	1,309	57	2,518	19,679	1,112	1,567	873	593	

- (i) No entries referring to revisions of sanctioned plans will be made in columns 2 to 9.
(ii) Notes will be made in column 15 to explain whether entries in columns 2 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 areas 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.

FORM No. 12.

FORM NO. 12.—Statement showing

Division.	New works undertaken during the year.														
	Buildings.					Roads and paths.								Other works.	Total Expenditure on new works.
	Expenditure on				Total expenditure incurred.	Cart-loads.		Bridle paths and feeder roads.		Others.		Total length of paths or roads.	Total expenditure incurred.	Expenditure incurred.	
	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
NORTHERN CIRCLE.															
North-Mandla	...	...	473	...	473	M. C.	(a) 300	...	...	...	...	...	300	124	837
South-Mandla	1,057	450	2,300	...	(b) 3,807	1	*101	7	36	*14	(b) 40	22	177	350	4,309
Jubbulpore-Narsinghpur	...	...	...	...	...	14	1,681	...	...	...	...	14	1,681	305	1,986
Damoh	983	410	1,791	...	3,184	56	11,749	...	213	*15	30	73	11,992	1,635	16,811
Saugor	...	...	767	...	767	7	439	...	...	*3	3	10	442	...	1,209
Hoshangabad	255	1,500	1,712	(c) 173	3,640	17	3,718	24	1,466	*14	(f) 988	55	6,172	383	10,220
Seoni	162	...	...	...	162	13	1,613	...	...	...	...	13	1,613	...	1,775
Chhindwara	3,587	...	473	...	4,060	1	20	...	...	...	...	1	10	398	4,462
Total Northern Circle	6,044	2,360	7,516	173	16,093	809	19,611	33	1,715	46	1,061	188	21,387	3,189	41,669
SOUTHERN CIRCLE.															
Balaghat	...	15	1,657	...	1,672	10	4,736	...	...	...	...	10	4,736	404	6,812
Balaghat School	...	...	...	...	...	...	...	...	...	...	...	...	...	64	64
Bhandara	...	...	14	...	14	4	33	...	...	...	...	4	33	254	301
Bilaspur	...	...	200	...	200	1	510	...	...	...	...	1	510	...	710
North Chanda	...	...	790	...	790	...	...	...	...	...	...	...	...	851	1,641
South Chanda	...	...	460	...	460	...	...	...	...	...	...	...	...	174	634
Nagpur-Wardha	...	...	412	...	412	8	2,331	28	344	39	283	75	2,858	427	3,697
North Raipur	...	...	51	...	51	...	...	...	...	...	...	...	...	529	580
South Raipur	...	...	1,128	...	1,128	10	52	...	...	...	...	10	52	784	1,964
Total Southern Circle	...	15	4,712	...	4,727	33	7,662	28	344	39	283	100	8,189	3,487	16,403
BERAR CIRCLE.															
Melghat	...	...	2,409	92	2,501	6'0	2,013	...	...	...	...	6'0	2,013	205	4,789
Amraoti	1,233	...	169	...	1,402	...	...	...	...	...	...	...	...	...	1,402
Buldana	...	811	...	...	811	...	...	...	...	1'23	517	1'23	517	320	1,648
Yeotmal	...	...	81	51	132	8'0	920	...	...	0'13	740	8'13	1,660	1,010	2,809
Akola	...	...	1,946	...	1,946	...	...	...	...	...	...	...	...	500	2,446
Nimar	...	...	...	49	49	8'14	2,017	...	...	...	...	8'14	2,017	162	2,228
Betul	...	...	...	199	199	10'67	16,800	14'48	392	16'0	12	41'35	17,204	818	18,221
Total Berar Circle	1,233	811	4,605	391	7,040	33'1	21,760	14'48	392	17'36	1,809	6'55	23,421	3,015	33,476
TOTAL CENTRAL PROVINCES AND BERAR.	7,277	3,186	16,833	564	27,860	175'1	49,053	75'48	2,451	105'36	2,513	353'5	53,997	9,691	91,548

NOTE.—A sum of Rs. 45 which has been wrongly debited to buildings

Communications and Buildings during the year 1916-17.

Repairs executed during the year.																		
Buildings.					Roads and paths.										Other works.		Total expenditure incurred.	Remarks.
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. C.	Rs.	M. C.	Rs.	M. C.	Rs.	M. C.	Rs.	Rs.	Rs.				
203	...	437	46	685	60	560	5	40	...	...	65	600	124	1,409				
241	877	668	119	(a) 1,905	84	965	32	131	1	401	117	1,136	177	3,218	(a) Cost of work done during 1915-16.			
...	23	1,009	153	1,185	43	286	19	147	...	...	62	433	386	2,004	(b) Includes Rs. 32 for mala crossings.			
...	14	663	...	677	(d) 145	(d) 910	42	176	...	...	127	1,086	352	2,115				
...	76	936	84	1,096	168	1,253	...	...	...	...	168	1,253	111	2,460	(c) Includes Rs. 95 being pay of a mali.			
349	988	722	...	(g) 2,259	445	5,904	...	...	3	446	446	4,350	561	7,170	(d) Includes Rs. 500 spent on repairs of 57 miles of District Council road on their behalf.			
...	794	1,083	101	(h) 1,978	102	712	...	...	...	...	102	712	267	2,957				
108	16	464	6	594	86	558	...	...	...	...	86	558	1	1,153	(e) Acquisition of two lands.			
1,100	2,788	5,982	509	10,379	1,131	9,148	98	404	4	486	1,233	10,128	1,979	22,486	(f) Includes Rs. 757 for causeway.			
...	328	1,517	167	1,812	189	2,371	...	...	32	228	221	2,599	558	4,969	(g) Includes Rs. 71, pay of a mali.			
...	...	...	...	...	...	...	...	...	...	...	...	...	270	270	(h) Includes Rs. 88 for mali.			
...	78	431	22	531	228	677	...	...	...	...	222	677	125	1,335	* Alignment.			
...	91	211	178	480	161	569	14	19	...	...	175	588	80	1,148	† Causeways.			
...	336	932	...	1,258	317	1,823	...	...	...	...	317	1,823	221	3,319				
...	884	945	378	2,207	617	2,123	...	...	16	71	633	2,194	594	4,995				
...	80	749	...	829	334	1,235	...	...	44	89	378	1,324	321	2,474				
78	253	687	...	1,018	198	648	22	7	...	...	210	655	495	2,168				
7	70	1,066	23	1,156	204	1,055	...	...	...	...	204	1,055	570	2,781				
85	2,120	6,338	753	9,501	2,242	10,501	26	26	92	388	2,360	10,913	3,234	23,450				
2,097	938	2,660	1,371	7,066	442 0	2,721	300 0	612	...	...	742 0	3,333	410	10,809				
1,566	712	1,286	...	3,564	56 0	5,073	...	...	...	...	56 0	5,073	251	8,888				
159	180	360	159	858	100 0	1,146	3 0	110	113 0	300	306 0	1,356	225	2,439				
...	77	825	56	958	154 38	749	1 40	3	...	...	155 78	752	123	1,833				
383	20	397	...	730	110 0	43 6	...	...	...	...	110 0	436	120	1,446				
487	335	1,944	10	2,776	508 40	1,926	...	...	...	...	508 40	1,026	263	4,965				
...	184	975	...	1,159	309 0	2,062	...	...	...	...	309 0	2,062	91	3,512				
4,692	2,446	8,377	1,506	17,111	1,769 78	14,113	304 40	625	113 0	300	2,187 38	14,938	1,643	35,692				
5,877	7,334	20,097	2,063	30,791	5,142 78	33,762	428 40	1,145	209	1,074	5,780 38	35,981	6,856	79,628				

In Nagpur-Wardha Division instead of to Military Grass operations has been excluded by this office.

Abstract.

Roads.				Buildings.				Other Works.			
New works	...	Rs.	...	New works	...	Rs.	...	New works	...	Rs.	...
Old works	...	8,189	...	Old works	...	4,727	...	Old works	...	2,497	...
	...	10,915	...		...	9,301	...		...	3,234	...
Total	...	19,104	...	Total	...	14,028	...	Total	...	6,731	...

FORM NO. 13.—Statement showing register of

Forest Division.	New cases of the year.																			
	Cases pending from previous 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		
I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
NORTHERN CIRCLE.																				
North-Mandla	...	...	72	...	...	4	3	1	298	5	...	...	...	...	11	...	1	538	8	
South-Mandla	...	...	106	106	...	6	8	2	555	31	8	234	1	...	18	...	4	815	54	
Jubbulpore-Nagpur	...	...	6	55	61	...	8	6	...	288	45	6	268	1	...	5	113	557	53	
Damoh	...	...	3	235	238	1	4	23	1	168	17	2	450	...	...	10	...	4	738	40
Saugor	...	...	111	49	60	...	...	9	3	205	56	...	488	3	8	3	...	5	786	67
Moshangabad	...	...	2	...	4	...	...	...	...	79	3	7	87	...	...	...	...	171	5	
Seoni	...	...	(a) 1	28	13	...	1	1	...	291	34	15	291	...	...	3	15	586	37	
Chhindwara	...	...	3	(b) 198	198	...	1	9	14	289	8	28	553	...	...	...	39	645	17	
Total Northern Circle	...	...	27	747	754	1	24	53	28	2,355	100	55	2,394	7	5	7	2	89	4,828	261
SOUTHERN CIRCLE.																				
Balaghat	...	...	102	108	...	2	6	4	1	277	56	1	5	104	...	1	39	...	736	60
Bhandara	...	...	11	11	...	...	...	13	...	137	4	...	...	107	...	1	...	...	340	17
Bilaspur	...	...	...	...	...	...	5	6	...	57	...	...	...	90	...	...	...	...	151	6
North Chanda	...	...	...	40	...	...	...	...	1	305	20	...	...	186	...	1	44	...	535	20
South Chanda	...	...	1	41	...	...	3	...	...	289	48	...	...	323	...	1	11	1	505	43
Nagpur Wardha	...	...	2	33	35	1	...	6	...	46	...	...	...	225	...	1	8	...	277	6
North-Raipur	...	...	...	63	63	1	2	...	4	156	...	...	...	198	...	...	...	10	319	...
South-Raipur	...	...	...	9	11	5	5	5	4	225	...	9	...	270	...	...	31	...	538	5
Total Southern Circle	...	...	5	299	304	9	19	34	10	1,430	131	21	1,808	...	9	155	1	50	3,496	166
BERAR CIRCLE.																				
Melghat	...	...	15	15	1	11	3	1	78	...	1	...	61	...	1	37	...	4	181	3
Amraoti	...	...	3	58	61	...	2	...	1	110	...	...	...	364	...	...	...	4	554	5
Buldana	...	...	...	54	...	...	...	1	1	106	...	6	...	513	...	...	...	7	648	4
Yestmal	...	...	...	231	...	...	18	2	5	465	58	...	...	1,106	...	...	300	8	1,913	65
Akola	...	...	...	37	...	...	4	5	...	156	10	...	...	450	...	...	38	7	616	15
Nimar	...	...	1	64	65	1	5	6	...	187	35	...	...	487	...	7	8	...	651	39
Betul	...	...	...	...	...	...	...	...	1	179	26	...	...	189	...	...	15	...	503	26
Total Berar Circle	...	...	8	457	465	2	24	22	15	1,309	130	24	1,440	...	10	467	3	49	4,950	257
GRAND TOTAL CENTRAL PROVINCES AND BERAR	...	...	30	1,483	1,513	12	79	109	31	5,004	400	101	7,424	9	24	619	6	188	13,974	584

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

breaches of Forest Rules during the year 1916-17.

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		
30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	41	
2	611	3	621	1	573	2	1,654	1	...	1	...	2	573	576	3	1,654	1,657	...	38	38	* Cases pending under B at the close of 1915-16 was shown 74; one of these was taken into court and acquitted in July 1916, hence shown now under A.	
4	919	34	957	3	786	30	2,216	1	...	36	...	4	786	790	56	2,216	2,272	...	133	133	† Excludes 8 cases latterly withdrawn and compounded.	
19	618	53	684	10	560	36	1,891	7	...	46	...	17	560	577	72	1,891	1,963	2	52	54		
27	967	40	1,014	5	831	8	2,543	2	...	3	...	7	831	833	11	2,543	2,554	...	136	136	‡ Excludes one case latterly withdrawn and compounded.	
316	835	67	918	4	762	8	1,996	8	...	15	...	12	762	774	23	1,896	1,919	4	73	77	§ Four cases latterly withdrawn and compounded.	
10	173	5	188	5	153	6	387	3	...	6	...	8	153	161	12	387	399	2	20	22		
(a) 116	598	37	651	14	573	16	1,326	2	...	3	...	16	573	589	19	1,326	1,345	...	25	25	(a) Out of 69 cases 7 cases were latterly cancelled.	
																					(a) † Two cases latterly withdrawn and compounded.	
43	240	17	399	27	675	34	1,045	12	...	53	...	39	175	714	97	1,045	1,142	3	165	168	(b) Out of 321 cases 46 were written off latterly.	
316	5,555	261	5,932	69	4,073	130	13,058	36	...	163	...	105	4,913	5,018	293	13,058	13,351	11	642	653		
9	838	60	907	7	771	13	1,822	...	...	1	...	7	771	778	14	1,822	1,836	2	67	69		
3	341	17	361	3	289	6	980	...	...	...	...	3	289	292	6	980	986	...	52	52		
4	163	6	168	...	152	...	427	...	...	...	...	...	152	153	...	427	427	...	10	10		
1	574	20	607	2	509	3	1,808	2	...	3	...	...	509	513	5	1,808	1,903	...	65	65		
6	607	43	651	1	603	4	1,746	...	...	...	...	1	603	604	4	1,746	1,750	...	4	4		
	310	6	322	3	275	6	924	(a) 2	...	5	...	5	275	280	11	924	935	1	35	36	(a) 2 cases withdrawn.	
10	422	...	432	9	358	18	868	1	...	8	...	10	358	368	26	868	894	...	64	64	(b) 3 cases withdrawn.	
38	541	5	568	11	516	25	1,630	(b) 7	...	19	...	18	516	534	44	1,630	1,674	4	25	29		
55	5,705	166	4,016	36	3,473	75	10,295	12	...	35	...	48	3,473	3,521	110	10,295	10,405	7	322	329		
4	196	3	202	3	185	4	414	1	...	2	...	4	185	189	6	414	420	...	11	11		
7	612	5	624	5	531	11	2,970	1	(a) 8	1	32	6	539	545	12	3,002	3,014	...	73	74	(a) Written off.	
9	695	4	708	5	657	17	2,375	...	...	...	...	5	657	662	17	2,375	2,392	4	38	42		
8	2,143	65	2,216	7	1,962	12	5,141	1	...	...	...	8	1,962	1,970	13	5,141	5,154	...	181	181		
7	683	15	705	7	643	31	3,176	...	...	...	...	7	643	650	31	3,176	3,207	...	40	40		
10	715	30	773	12	607	19	1,745	7	(a) 1	8	1	19	608	627	27	1,745	1,773	...	107	107		
3	303	26	322	3	275	6	924	1	...	1	...	3	275	280	4	924	935	...	...	...		
57	5,407	157	5,621	41	4,918	97	16,678	12	9	13	33	52	4,957	5,009	110	16,711	16,821	5	450	455		
228	14,757	584	15,569	146	13,334	302	40,021	59	9	211	33	115	13,343	13,548	513	40,054	40,577	23	1,414	1,437		

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 1916-17.

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1915-16.	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.	
	NORTHERN CIRCLE.							
	<i>Systematically fire-protected areas.</i>							
North-Mandla.	Mandla Range	...	16,507	18,231	350	17,881	384	1 Fire.
	Sariastal "	...	787	787	...	787	79	
	Dhanwahi "	...	48,359	48,404	15	48,389	1,004	1 Fire.
	Total for Division	...	65,653	67,422	365	67,057	1,467	Failure '34 per cent.
South-Mandla.	Jagmandal Range	...	35,982	35,984	66	35,918	924	4 Fires.
	Banjar "	...	62,337	62,512	104	62,408	1,311	1 "
	Motinala "	...	81,054	86,114	278	85,836	1,653	5 "
	Karanjia "	...	68,629	68,629	105	68,524	1,035	2 "
	Total for Division	...	248,002	253,239	553	252,686	4,923	Failure '21 per cent.
Jubbulpore-Narsinghpur.	Murwara Range	...	37,373	38,865	...	38,865	974	
	Sihora "	...	9,811	10,235	1,104	9,131	492	2 Fires.
	Jubbulpore "	...	36,773	3,6858	21	36,837	863	2 "
	Barji "	...	4,703	4,770	12	4,758	276	1 "
	Bachai "	...	26,281	26,369	490	25,889	499	2 "
	Richai "	...	6,175	6,248	327	5,921	180	1 "
	Khairi "	...	40,495	40,513	...	40,513	346	
	Total for Division	...	161,611	163,858	1,944	161,914	3,630	Failure '12 per cent.
Damoh	Fatehpore Range	...	98,315	121,884	1,023	120,861	1,943	7 Fires.
	Damoh "	...	93,373	106,586	2,996	103,590	1,883	9 "
	Tendukhera "	...	152,862	177,828	9,452	168,376	2,412	21 "
	Singrapur "	...	77,261	100,443	2,820	97,623	1,540	9 "
	Total for Division	...	421,811	506,741	16,291	490,450	7,778	Failure '32 per cent.
Saugor	Khurai Range	...	15,514	13,465	1,454	12,011	442	3 Fires.
	Saugor "	...	33,552	20,336	1,648	18,688	711	4 "
	Banda "	...	26,350	17,413	233	17,180	464	3 "
	Rehli "	...	53,893	17,311	302	17,009	304	1 "
	Deori "	...	28,026	21,007	106	20,901	545	1 "
	Total for Division	...	157,335	89,532	3,743	85,789	2,466	Failure '418 per cent.
Hoshangabad.	Bori Range	...	167,475	170,638	...	170,638	1,575	
	Sohagpur "	...	59,646	59,646	...	59,646	1,840	
	Hoshangabad "	...	53,881	53,834	4	53,830	1,313	1 Fire.
	Seoni "	...	81,690	81,812	60	81,752	1,180	1 "
	Rehatgaon "	...	94,843	94,843	...	94,843	1,040	
	Magardha "	...	86,255	86,287	...	86,287	550	
	Total for Division	...	543,790	547,060	64	546,996	7,498	Failure '001 per cent.

ANNUAL FORM NO. 14.—[PRESCRIBED].—Area of Forest Tracts protected from Fire during the year 1916-17.—(Contd.)

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1915 16.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
	NORTHERN CIRCLE. <i>—(Concl'd.)</i> <i>Systematically fire-protected areas.—(Contd.)</i>		Acres.	Acres.	Acres.	Acres.	Rs.	
Seoni	Korai Range	...	95,606	87,158	...	87,158	1,261	
	Ganginala "	...	89,593	82,568	...	82,568	1,020	
	Ugli "	...	79,973	82,079	625	81,454	952	1 Fire.
	Chhapara "	...	7,904	7,375	...	7,375	474	
	Dhuma "	...	2,930	13,748	222	13,526	367	1 "
	Nerbudda "	...	39,063	41,717	...	41,717	1,254	
	Total for Division	...	315,069	314,645	847	313,798	5,328	Failure 16 per cent.
Chhindwara	Umreth Range	...	44,024	52,715	180	52,535	519	4 Fires.
	Amarwara "	...	33,339	34,002	376	33,626	405	1 "
	Ambara "	...	57,491	71,659	1,216	70,443	596	3 "
	Sillewani "	...	46,140	47,716	29	47,687	755	2 "
	Sank "	...	32,729	33,517	...	33,517	190	
	Total for Division	...	213,723	239,609	1,801	237,808	2,465	Failure 75 per cent.
	Deduct C. R. S. P.	...	...	...	...	...	473	
	Total	...	...	...	...	...	1,992	
	TOTAL NORTHERN CIRCLE.	...	2,186,994	2,182,106	25,608	2,156,498	35,082	Protected 98.83 per cent.
	SOUTHERN CIRCLE.							
Balaghat	Sonawani	1889	70,955	72,263	...	72,263	1,479	
	Paraswara	1872	83,686	57,228	350	56,878	594	2 Fires.
	Raigarh	1867	67,506	67,514	13	67,501	959	1 "
	Dhansua	1889	70,130	70,207	...	70,207	910	
	Lanji	1896	34,625	34,801	274	34,527	1,012	2 "
	Baihar	1899	53,002	53,059	54	53,005	1,404	1 "
	Total	...	379,904	355,072	691	354,381	6,358	Failure 19 per cent.
Bhandara	Bawanthari	1894	63,278	64,296	...	64,295	753	
	Gaikhuri	1888	72,238	72,445	687	71,758	972	2 Fires.
	Pertabgarh	1894	35,305	38,652	121	38,531	522	2 "
	Wainganga	1894	44,198	44,198	60	44,138	484	1 "
	Total	...	215,019	219,591	868	218,723	2,731	Failure 39 per cent.
Bilaspur	East-Lormi	1892	153,743	154,125	...	154,125	1,536	
	West-Lormi	1892	126,704	126,704	...	126,704	1,514	
	Kuajathi-Pantora	1888	49,239	62,470	3,527	58,943	820	7 Fires.
	Total	...	329,691	343,299	3,527	339,772	3,870	Failure 1.03 per cent.
North-Chanda	Moharli	1873	166,966	161,553	19	161,534	2,286	1 Fire.
	Haveli	1891	119,463	119,463	925	118,538	2,714	1 "
	Warora	1834	46,338	46,338	...	46,338	471	
	Gunjewahi	1888	48,869	28,910	...	28,910	490	
	Brahmapuri	1897	25,990	6,573	...	6,573	271	
	Wairagarh	1897	17,274	...	...	...	...	
	Total	...	425,900	362,837	944	361,893	6,232	Failure 16 per cent.

ANNUAL FORM NO. 14 — [PRESCRIBED.] — Area of Forest Tracts protected from Fire during the year 1916-17. — (Contd.)

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 19.5-16.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
	SOUTHERN CIRCLE. (Contd.) <i>Systematically fire-protected areas. — (Contd.)</i>		Acres.	Acres.	Acres.	Acres.	Rs.	
South-Chanda.	Alapilli	1873	72,946	72,946	...	72,916	2,187	
	Ghot	1857	3,182	3,82	78	3,101	19	1 Fire.
	Markhanda	1891	76,844	77,565	...	77,565	1,156	
	Sironcha	(a) 1897 (b) 1907	97,749	97,901	...	97,901	680	(a) Partial protection. (b) Protection.
	Dhaba	1889	8,260	8,260	...	8,260	306	
	Total	...	258,981	259,854	178	259,776	4,348	Failure .03 per cent.
Nagpur-Wardha.	East Pench	1875	103,927	104,372	...	104,372	1,210	
	West Pench	1878	38,295	39,606	...	39,606	763	
	Kondhali	1894	37,670	38,864	1,312	37,552	668	2 Fires.
	Umrer	1895	38,549	40,740	661	40,079	752	3 "
	Hingni	1894	42,280	42,280	...	42,280	870	
	Arvi	1880	50,375	50,536	348	50,188	707	1 "
	Total	...	311,016	316,308	2,321	314,077	4,973	Failure .75 per cent.
North-Raipur.	Loan	1889	50,547	54,146	18	54,128	1,452	1 Fire.
	Mahasamund	1889	31,076	31,419	50	31,369	1,062	2 "
	Sonakhan	1870	66,235	67,664	100	67,564	1,002	1 "
	Bilari Ghugwa	1900	1,606	1,606	...	1,606	90	
	Total	...	149,464	154,835	168	154,667	3,606	Failure .11 per cent.
South-Raipur...	Dhamtari	1896	62,475	54,114	27	54,147	1,012	1 Fire.
	Singpur	1896	95,405	81,993	2,459	79,534	1,054	5 "
	Balod	1896	69,957	67,859	599	67,260	753	1 "
	North-Sihawa	1870	105,874	113,275	1,901	111,374	800	1 "
	South-Sihawa	1903	134,053	131,017	...	131,017	1,278	
	Total	...	465,764	448,318	4,986	443,331	4,897	Failure 1.11 per cent.
	TOTAL SOUTHERN CIRCLE.	...	2,535,819	2,460,204	13,583	2,446,621	37,015	Protected 99.45 per cent.
Melghat	BERAR CIRCLE. Sembadoh Range		77,661	77,696	...	77,696		
	Chauwakund	1872	63,877	63,877	...	63,877		
	Butrom	...	81,992	81,992	8	81,984		2 Fires.
	Khandu	...	89,921	89,921	2	89,919		1 Fire.
	Gugamal	1877	151,961	151,961	...	151,961		
	Chikaida	1890	34,215	34,242	...	34,242		
	Tapti Reserve	1911	26,862	26,862	...	26,862	6,522	
	Chithri	...	7,504*	...	...	...		*Area early burnt.
	Chikli	...	8,535	8,535	...	8,535		
	Bod	1913	2,906	2,906	...	2,906		
	Mo ha	...	18,586	18,586	3	18,583		1 Fire.
	Khirpani	...	32,191†	...	...	...		†Area early burnt.
	Jhannodeo Reserve	1914	10,991	11,005	...	11,005		
	Total	...	607,202	567,583	13	567,570	6,522	Percentage of success 99.

ANNUAL FORM NO. 14.—[PRESCRIBED].—Area of Forest Tracts protected from Fire during the year 1916-17.—(Concl'd.)

Division.	Forest tracts.	Year in which protection commenced.	Area protected during 1915-16.	Area attempted to be protected.	Failures.	Area actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
	BERAR CIRCLE. <i>—(Concl'd)</i>		Acres.	Acres.	Acres.	Acres.	Rs.	
Amraoti	Amraoti Range	1881	17,734	18,352	256	18,126	378	3 Fires.
	Morsi	1889	19,461	19,511	...	19,511	301	
	Total	...	37,195	37,893	256	37,637	679 + 5	Percentage of success 99. + Rs. 5 spent on putting out flaming unprotected fires.
Buldana	Jalgaon Range	1893	33,292	34,492	375	34,117	604	1 Fire.
	Chikhli	1880	68,764	68,764	...	68,764	515	
	Purna	1880	21,553	21,532	52	21,480	99	1 Fire.
	Mehkar	1881	28,945	28,953	150	28,803	136	2 Fires.
	Total	...	152,554	153,741	577	153,164	1,354	Percentage of success 99.
Yeotmal	Yeotmal Range	...	45,854	36,959	200	36,759	...	1 Fire 12,139 acres early burnt.
	Darha	1882	37,651	41,045	...	41,045	1	300 " " "
	Kelapur	1881	59,112	57,247	300	56,947	...	1 Fire 1,900 " " "
	Wun	1893	24,589	26,661	81	26,580	50	2 Fires 1,200 " " "
	Pusad	1880	54,168	57,182	710	56,472	110	2 Fires.
	Kinwat	1881	114,955	112,295	...	112,295	89	3,000 acres early burnt.
	Total	...	337,329	331,389	1,291	330,098	250	Percentage of success 99.
Akola	Pangra Range	1882	44,888	44,888	25	44,863	640	4 Fires.
	Morna	...	21,831	21,831	120	21,711	224	2 "
	Balapur	1891	34,924	34,924	100	34,824	281	2 "
	Murtizapur	1912	25	25	25	...	10	1 Fire.
	Total	...	101,668	101,668	270	101,398	1,155	Percentage of success 99.
Nimar	Khandwa Range	1877	42,480	42,897	890	42,007	650	1 Fire.
	Punasa	1875	93,438	93,698	1	93,697	1,156	1 "
	Chandgarh	1878	80,567	88,149	...	88,149	1,235	
	Singaji	1893	43,569	44,170	140	44,030	922	2 Fires.
	Kalibhit	1874	181,307	164,46	...	164,46	1,031	Area early burnt (114,801 acres)
	Piplod	1890	50,122	56,415	15,177	41,238	899	3 Fires.
	Chandhi	...	57,925	24,455	674	23,781	352	" " area early burnt (33,470 acres).
	Burhanpur	1893	9,229	...	...	...	122	Area " " (9,229 ")
	Total	...	558,577	416,230	16,882	399,348	6,367	Percentage of success is 96.
Betul	Ranipur Range	1880	51,790	53,840	7	53,833	615	1 Fire.
	Bhawargarh	...	76,857	79,902	10	79,892	762	1 "
	Saonligarh	1875	79,485	69,396	410	68,986	966	3 Fires. Area early burnt (10,089 acres).
	Tapti	...	121,985	77,279	...	77,279	1,071	Area early burnt (44,706) "
	Dabka	1897	29,370	Early burnt	...	...	...	" " "
	Sawalmendha	1898	4,151	" "	...	...	62	" " "
	Asir	1901	...	83,480	...	83,480	677	
	Total	...	362,638	363,897	427	363,470	4,53	Percentage of success 99.
TOTAL BERAR CIRCLE...			2,157,63	1,972,401	19,716	1,992,685	20,185	Percentage of success 99.
TOTAL CENTRAL PROVINCES AND BERAR.			6,879,976	6,614,711	58,907	6,555,804	92,522	

Division or Circle.	(C). Fires beginning inside the											
	(A.) Fires caused by accident or through care- lessness in burning fire- lines.		(B.) Fires entering the forests by crossing exterior fire- traces.		Owing to carelessness or accident.							
					By workmen employed in the forests, by pur- chasers 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
NORTHERN CIRCLE.												
North-Mandla	...	...	1	350	...	...	1	15	...	...	...	...
South-Mandla	2	65	2	216	...	...	5	209	...	...	1	2
Jubbulpore-Narsinghpur	3	741	✓	...	...	...	...	...	...	...	...	...
Damoh	18	3,830	7	4,911	...	...	2	542	...	...	...	...
Saugor	2	248	1	106	...	...	...	...	1	276	...	...
Hoshangabad	1	60	...	...	...	...	...	...	...	...	...	...
Seoni	...	...	...	...	...	...	...	...	...	...	...	...
Chhindwara	...	...	...	...	...	...	...	...	1	16	...	...
Total Northern Circle	26	4,944	11	5,583	...	...	8	765	2	292	1	2
SOUTHERN CIRCLE.												
Balaghat	...	...	...	...	1	260	...	...	...	...	...	...
Bhandara	...	...	1	645	...	...	2	180	...	...	...	...
Bilaspur	...	...	...	...	1	23	...	...	...	...	...	...
North-Chanda	1	19	...	...	...	...	...	...	1	925	...	...
South-Chanda	...	...	...	...	...	...	1	78	...	...	...	...
Nagpur-Wardha	...	...	2	1,295	...	...	4	430	...	...	...	...
North-Raipur	1	18	1	25	...	...	...	...	...	...	...	...
South-Raipur	1	901	...	...	...	...	2	626	...	...	...	...
Total Southern Circle	3	938	4	1,965	2	283	9	1,314	1	925	...	...
BERAR CIRCLE.												
Melghat	1	7	...	...	...	...	3	6	...	...	...	...
Amraoti	...	...	...	...	...	...	...	...	...	...	...	...
Buldana	...	...	1	375	...	...	...	...	...	...	1	52
Yestmal	...	...	2	950	...	...	1	60	...	...	...	...
Akwal	...	...	...	...	1	2	3	207	...	...	...	...
Nimar	1	1	1	145	...	...	5	1,286	...	...	1	14,780
Betul	4	420	...	...	...	...	...	...	1	7	...	...
Total Berar Circle	6	428	4	1,470	1	2	12	1,559	1	7	2	14,832
TOTAL CENTRAL PROVINCES AND BERAR.	35	6,310	19	9,018	3	285	29	3,639	4	1,224	3	14,834

Forest Fires, 1916-17.

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	15	...	...	2	365
...	...	...	...	...	...	6	211	2	61	12	553
...	...	...	...	1	15	1	15	4	1,188	8	1,944
...	...	...	...	1	485	3	1,027	18	6,523	46	16,291
...	...	...	...	...	...	1	276	8	3,113	12	3,743
...	...	...	...	...	...	...	...	1	4	2	64
...	...	...	...	...	...	...	...	2	847	2	847
...	...	...	...	...	...	1	16	9	1,785	10	1,801
...	...	...	...	2	500	13	1,560	44	13,521	94	23,608
...	...	...	...	1	13	2	273	4	418	6	691
...	...	...	...	...	...	2	180	2	43	5	868
...	...	...	...	...	...	1	23	6	3,504	7	3,527
...	...	...	...	...	...	1	925	...	...	2	944
...	...	...	...	...	...	1	78	...	...	1	78
...	...	...	...	...	...	4	430	1	596	7	2,321
...	...	1	100	...	...	1	100	1	25	4	168
...	...	1	251	1	1,650	4	2,527	4	1,558	9	4,986
...	...	2	351	2	1,663	16	4,536	17	6,144	41	13,583
...	...	...	...	...	...	3	6	...	...	4	13
...	...	...	...	...	...	...	...	3	256	3	256
...	...	...	...	...	...	1	52	2	150	4	577
...	...	...	...	...	...	1	60	3	281	6	1,291
...	...	...	...	...	...	4	209	5	61	9	270
...	...	...	...	...	...	6	16,066	1	670	9	16,882
...	...	...	...	...	...	1	7	...	...	5	427
...	...	...	...	...	...	16	16,400	14	1,418	40	19,716
...	...	3	351	4	2,163	45	22,496	75	21,083	175	58,907

FORM NO. 16.—Area closed and open to grazing during the year 1916-17.

Division.	Area in square miles.					
	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.
	2	3	4	5	6	7
NORTHERN CIRCLE.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.	Sq. miles.
North-Mandla	24	...	611	...	151	...
South-Mandla	257	...	904	...	...	...
Jubbulpore-Narsinghpur	70	2	2	...	516	...
Damoh	69	...	723	...	...	...
Saugor	162	...	539	...	48	...
Hoshangabad	145	...	806	...	...	...
Seoni	107	...	...	...	706	...
Chhindwara	105	...	...	...	559	...
Total Northern Circle	939	2	3,585	...	1,980	...
SOUTHERN CIRCLE.						
<i>A Class.</i>						
Balaghat	243	...	63	...	673	...
Bhandara	162	...	...	...	362	...
Bilaspur	66	...	...	...	479	...
North-Chanda	379	...	42	...	691	...
South-Chanda	167	...	24	...	759	...
Nagpur-Wardha	214	...	...	...	501	...
North-Raipur	211	...	304	...	...	...
South-Raipur	155	276	...	...	562	...
<i>B Class.</i>						
Bhandara	...	...	...	...	9	...
North-Chanda	...	...	272	...	...	...
South-Chanda	...	...	335	...	...	...
Total Southern Circle	1,597	276	1,040	...	4,036	...
BERAR CIRCLE.						
STATE FORESTS, CLASS A.						
Melghat	205	...	338	...	612	...
Amraoti	12	26	...	...	39	...
Buldana	37	4	...	...	210	...
Yeotmal	24	86	...	...	507	...
Akola	35	17	...	...	145	...
Total	313	133	338	...	1,533	...
STATE FORESTS, CLASS C.						
Amraoti	...	...	146	...	...	...
Buldana	...	...	179	...	...	...
Yeotmal	...	...	574	...	...	...
Akola	...	...	126	...	...	...
Total	...	...	1,025	...	...	...
Total for Berar Divisions	313	133	1,363	...	1,533	...
<i>Class A.</i>						
Nimar	171	...	...	...	1,515	...
Betul	85	...	...	...	1,094	...
Total	257	...	...	...	2,609	...
<i>Class B-I.</i>						
Betul	...	...	9	...	...	...
Total for Nimar and Betul	257	...	9	...	2,609	...
GRAND TOTAL	570	133	1,372	...	4,142	...
Total Central Provinces and Berar	3,106	411	5,997	...	10,156	...

FORM No. 17

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
						Rs.						Rs.	Rs.
NORTHERN CIRCLE.													
North Mandla ...	12,174	25,465	2,727	...	200	26,066	8,365	83,617	1,146	...	...	14,662	50,388
South Mandla ...	11,496	30,344	1,879	...	168	27,154	6,932	74,357	742	...	...	12,843	44,249
Jubbulpore-Narsinghpur ...	3,776	12,204	544	...	543	14,186	5,045	68,201	...	...	...	14,575	54,558
Damoh ...	20,685	31,346	19,694	...	17	44,342	8,750	111,886	...	...	...	24,640	78,679
Saugor ...	21,817	29,885	6,572	...	54	41,691	7,881	109,172	...	...	...	22,137	76,173
Hoshangabad ...	3,333	10,462	1,333	...	105	13,507	1,222	40,297	11	...	...	7,127	27,632
Seoni ...	15,069	37,331	...	...	22	38,554	7,395	117,869	...	...	...	27,505	82,118
Chhindwara ...	6,855	28,312	576	...	178	42,344	2,826	92,670	...	...	...	22,841	98,322
Total ...	95,205	205,349	33,325	...	1,287	2,47,844	48,416	608,069	1,899	...	...	1,46,330	5,12,119
NOTE.—Annual Transit License ...													
Monthly do ...													
SOUTHERN CIRCLE.													
Balaghat ...	5,031	21,330	618	...	218	23,878	2,672	49,613	...	...	...	9,917	41,218
Bhandara ...	1,068	4,149	...	...	...	6,285	2,577	49,818	...	...	...	10,370	54,972
Bilaspur ...	979	2,200	21	...	37	2,240	2,032	17,123	3	...	2	3,888	18,839
North Chanda ...	5,678	19,768	42,717	...	...	29,884	8,767	137,604	...	...	...	26,990	116,353
South Chanda ...	5,006	11,223	35,661	...	...	22,367	5,960	63,899	...	...	...	14,043	62,503
Nagpur-Wardha ...	6,007	15,410	...	...	...	26,355	464	67,479	...	...	...	14,207	68,407
North Raipur ...	3,772	12,504	...	...	...	10,086	3,702	28,969	27	...	6	5,980	18,194
South Raipur ...	1,722	11,158	...	...	2	7,302	5,284	57,289	...	...	...	11,340	33,918
Total ...	29,263	97,742	79,017	...	257	1,28,397	31,428	471,794	30	...	8	96,735	4,14,404

State Forests during the year 1916-17.

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.
...	...	...	...	...	...	...	2,777	...	...	...	1,389	1,389	77,843
...	...	...	...	...	...	38	5,045	...	...	...	2,560	2,560	73,963
...	...	...	...	...	...	...	461	...	...	...	296	296	69,040
...	...	...	...	...	...	...	59	...	...	...	37	37	1,23,058
...	...	...	...	...	...	...	...	...	...	...	...	...	1,17,864
...	...	...	...	...	...	189	7,859	95	...	...	5,308	5,308	46,447
...	...	...	...	...	...	...	504	...	...	...	315	315	1,20,987
...	...	...	...	...	...	...	...	...	...	...	...	...	1,40,666
...	...	...	...	...	...	227	16,705	95	...	...	9,905	9,905	7,69,868
767	20,605	116	...	1,526	17,796								
44,600	14,853	87,422	...	7,074	13,919								
					31,715								
...	...	...	...	...	...	...	4,642	...	...	...	3,481	3,481	68,577
...	...	...	...	...	...	...	...	...	...	...	...	...	61,257
...	...	...	...	...	...	31	928	16	...	...	601	601	21,680
...	...	...	...	...	...	161	864	2	...	...	890	890	1,47,127
...	...	...	...	...	...	112	1,693	31	...	...	640	640	85,510
...	...	...	...	...	...	9	314	...	...	...	332	332	95,094
...	...	...	...	...	...	100	2,375	...	...	...	1,287	1,287	29,567
...	...	...	...	...	...	12	1,805	...	...	...	915	915	42,135
...	...	...	...	...	...	425	12,621	49	...	...	8,146	8,146	5,50,947

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.	Camels.	Other animals.	Fees received.	Bullocks.	Cows and bullocks.	Goats and sheep.	Camels.	Other animals.	Fees received.	
												Actual.	Value at full rates.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
BERAR CIRCLE.													
						Rs.						Rs.	Rs.
STATE FORESTS.													
Melghat	1,747	15,137	889	...	9	17,919	1,946	9,268	1,582	...	266	6,048	12,691
Amraoti	891	16,381	...	...	...	27,494	...	...	...	...	...	...	...
Buldana	1,599	54,863	...	...	17	46,631	...	...	...	...	...	...	...
Yeotmal	4,213	70,017	...	...	...	72,708	...	51,446	...	...	...	34,188	53,605
Akola	579	57,831	...	...	...	24,921	...	...	...	...	...	...	...
Total	9,029	214,229	889	...	26	1,89,673	1,946	60,714	1,582	...	266	40,236	66,296
STATE FORESTS													
Amraoti	21,924	37,952	59,934	13	373	48,891	...	41,364	...	...	...	10,026	20,682
Buldana	16,649	28,647	97,285	2	285	42,898	...	35,167	...	...	...	6,781	18,084
Yeotmal	67,088	149,853	140,377	43	1,483	1,46,115	...	104,602	...	...	...	19,612	52,302
Akola	15,855	61,112	37,245	...	161	49,098	...	59,120	...	...	...	11,085	29,560
Total	121,516	277,564	334,841	58	2,302	2,87,002	...	241,253	...	...	...	47,504	1,20,728
Total excluding Nimar and Betul.	130,545	491,793	335,730	58	2,328	4,76,675	1,946	301,967	1,582	...	266	87,740	1,66,924
STATE FORESTS,													
Nimar	14,683	23,715	...	...	46	53,717	11,678	96,055	...	...	3	31,214	1,19,414
Betul	11,042	30,206	...	...	71	42,242	2,510	64,829	...	...	85	10,481	52,451
Total	25,725	53,921	...	...	117	95,959	14,188	160,884	...	...	88	41,695	1,71,865
STATE FORESTS,													
Betul	...	...	202	...	...	38	...	...	87	...	...	11	16
Total	...	...	202	...	...	38	...	...	87	...	...	11	16
Total Nimar and Betul	25,725	53,921	202	...	117	95,997	14,188	160,884	87	...	88	41,706	1,71,881
Grand Total	156,270	545,714	335,932	58	2,445	5,72,772	16,134	462,851	1,669	...	354	1,29,446	3,58,805
TOTAL CENTRAL PROVINCES AND BERAR.	280,738	848,805	448,274	58	3,989	9,48,913	96,008	1,632,714	3,868	...	362	3,72,511	12,85,328

NOTE.—The following cattle

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

Total -

State Forests during the year 1916-17.—(Concl'd.)

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.
CLASS A.													
...	...	...	...	...	...	...	14,770	...	...	...	11,907	11,907	42,517
...	...	...	...	...	...	12	319	...	...	...	363	363	27,857
...	...	...	...	...	...	3	874	...	...	...	907	907	47,538
...	250	...	...	...	266	...	1,777	...	...	...	1,222	1,488	1,27,801
...	125	...	...	...	109	5	276	...	...	3	218	327	25,248
...	375	...	...	...	375	20	18,016	...	...	3	14,617	14,992	2,70,961
CLASS C.													
...	...	...	...	...	...	...	35,793	...	...	...	17,896	17,896	87,469
...	...	...	...	...	...	18	26,389	25	...	...	13,211	13,211	74,193
...	...	...	...	...	...	...	97,491	...	...	...	48,747	48,747	247,164
...	...	...	...	...	...	...	46,429	...	...	...	23,214	23,214	1,01,872
...	...	...	...	...	...	18	206,102	25	...	...	1,03,068	1,03,068	5,10,698
...	375	...	...	...	375	38	224,118	25	...	3	1,17,685	1,18,060	7,81,659
CLASS A.													
...	...	...	...	...	...	52	4,260	373	...	46	4,456	4,456	1,77,587
...	...	...	...	...	...	69	7,577	140	...	36	5,840	5,840	1,00,533
...	...	...	...	...	...	121	11,837	513	...	82	10,296	10,296	2,78,120
CLASS B-I.													
...	...	...	...	...	...	...	...	...	...	...	...	...	54
...	...	...	...	...	...	...	...	...	...	...	...	...	54
...	...	...	...	...	...	121	11,837	513	...	82	10,296	10,296	2,78,174
...	375	...	...	...	375	159	235,955	538	...	85	1,27,981	1,28,356	10,59,833
...	375	...	...	...	375	811	265,281	682	...	85	1,46,032	1,46,407	23,80,648

are excluded:—	
No.	Amount.
72,612	7,849
16,552	7,372
4,199	3,159
...	2,174
93,363	20,554

FORM NO. 18.—[PRESCRIBED].—Artificial reproduction during the Forest year 1916-17.

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 1916.	Added during the year.	Excluded during the year.	Area on 30th June 1917.	Creation.	Up-keep.	Creation.	Up-keep.			
		3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
	NORTHERN CIRCLE.					Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	REGULAR PLANTATIONS.											
Damoh	Digging and sowing bamboos in certain blocks.	28	...	...	28	15	5	51	46	...	...	
Saugor	Bamboo plantations, maintenance and watering nursery and digging pits for plantation.	103	...	...	103	...	37	2,058	409	...	...	
Seoni	Teak	362	...	...	362	...	...	227	192	360	620	
	Sandal plantations	1	...	...	1	...	...					
	OTHER FORMS OF ARTIFICIAL REPRODUCTION.											
Saugor	Weeding Anjan plantation in Mohli block.	90	...	...	90	...	...	81	...	...	...	These entries were wrongly shown under "Regular plantations" in 1915-16.
	Watering and fencing bamboo seedlings in Mundra and Jalandhar Felling Series.	1	...	...	1	...	1	17	86	...	...	
Saugor	Experimental bamboo plantings in Jalandhar felling series.	30	...	...	30	...	...	14	...	...	...	This entry was wrongly shown under "Regular plantations" in 1915-16.
Seoni	Thinning in existing teak plantation.	...	...	...	...	...	10	...	36	...	...	
	Filling up gaps in existing teak plantation.	...	...	...	...	...	1	...	2	...	...	Columns 3-6 cannot be filled in as the operations are not in particular areas.
	Fencing compound of teak plantation.	...	...	...	...	...	...	...	115	...	...	
	Sowing seeds of bamboos.	...	...	...	...	...	...	...	5	...	...	
	Total Northern Circle	617	...	...	617	15	63	2,482	791	360	620	
	SOUTHERN CIRCLE.											
	REGULAR.											
Balaghat	Sowings of Chir Pine	10	...	...	10	...	22	19	143	...	...	Rs. 48 were also spent towards the cost and carriage of the seed during the year.
	... of Pinus Khasyan	3	6	...	6	27	...	27	...	...	...	
	... of Sal	...	10	...	10	29	...	29	...	...	...	
North-Chanda	Sandal plantation	158	...	...	158	...	...	...	39	...	...	
South-Raipur	Bamboo plantation	7	...	...	7	31	27	72	93	...	...	
	Teak plantation	23	...	...	23	12	5	59	5	...	...	
	Total Regular Plantations	196	16	...	212	99	34	2,305	360	...	...	
	OTHER FORMS OF ARTIFICIAL REPRODUCTION NOT INCLUDED IN SUB-SECTION (a).											
Nagpur-Wardha	Sowing of sandal	(a) 6	25	...	31	24	...	24	...	...	...	(a) Included under sowings of teak and bamboos in last year's form.
	... of teak etc., and bamboos.	154	116	...	270	217	24	2,014	271	...	...	
	Total Artificial reproduction not included in Sub-section (a).	160	141	...	301	241	24	2,038	271	...	...	
	Total Southern Circle	356	157	...	513	340	158	2,344	631	...	...	

NOTE.—Up-keep includes clearing, weeding, thinning, filling up blanks, etc. Cultural operations are defined in the memorandum appended to Circular No. 10-37, dated the 5th August 1904.

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 1916.	Added during the year.	Excluded during the year.	Area on 30th June 1917.	Creation.	Up-keep.	Creation.	Up-keep.			
1	2	3	4	5	6	7	8	9	10	11	12	13
BERAR CIRCLE.												
REGULAR.												
Akola.	Bamboo plantations at Yeota	28	2	...	30	9	185	412	1,487	607	2,104	
	Khodad	7	1	...	8	8	59	12	216	...	...	
	Injha	10	4	...	14	10	268	14	417	...	...	
	Chinchkhed	2	1	...	3	51	67	107	178	...	...	
	Total Regular Plantations	47	8	...	55	28	\$79	545	2,308	607	7.0	
TAUNGVA.												
Amraoti	Babul sowings	1,481	505	278	1,648	...	...	1,019	469	...	...	
	Miscellaneous species	464	540	324	680	...	...	3,947	304	...	...	
Baldana	Babul sowings	1,070	205	...	2,175	(a) 363	(b) 1,742	(b) 1,726	...	...	...	(a) Represents the amount spent on thinning in fighting damage by grubs for the natural development of the crop.
Yeotmal	Teak sowings	...	180	...	180	...	...	...	...	...	...	(b) The cost of creation Rs. 45 and up-keep Rs. 61 omitted as sowings have been abandoned.
Akola	Babul sowings	1,524	304	...	1,728	...	50	1,425	135	...	554	
	Total Taungya	5,379	1,634	602	6,411	...	413	8,133	2,634	...	554	
OTHER FORMS OF ARTIFICIAL REPRODUCTION.												
Melghat	Miscellaneous	...	6	...	6	26	31	26	381	...	...	
Amraoti	Babul sowings	451	...	...	451	...	...	879	635	...	...	
	Experimental sowings	4	8	...	12	37	...	422	86	...	...	
	Teak sowings	445	...	...	445	...	...	301	401	...	...	
	Nim seedlings	2	...	...	2	2	...	31	13	...	...	
	Anjan sowings	...	...	...	...	...	...	111	37	...	...	
Baldana	Bamboo (<i>Dendro Calamus Strictus</i>) sowings.	...	...	...	...	...	...	220	150	...	...	
	Bamboo planting	691	3	...	694	10	135	723	2,306	...	...	
	Sandal seed sowing	1,594	...	...	1,594	6	...	127	79	...	...	
	Catalpa sowings in the compound of District Forest Officer's bungalow.	...	...	...	...	...	...	8	2	...	...	
Yeotmal	Experimental sowings of bamboos...	A. G. 94 20	440	...	A. G. 534 20	165	394	2,141	1,785	...	...	
	Various bamboo plantations	...	45	...	75	420	749	(c) 2,435	(c) 6,123	...	...	(c) Rs. 97 on creations and Rs. 25 on up-keep added in columns 9 and 10 as they appear to have been wrongly excluded in 1914-15.
Akola	Sandal sowings	...	...	...	...	140	25	599	25	...	...	
	Lac planting	...	...	...	...	...	...	9	...	...	...	
Nimar	Garden of fruit trees and vegetables containing Teak and Bamboos.	1	...	...	1	...	56	111	\$97	40	319	
Betul	Miscellaneous	...	...	...	...	...	...	(d)	...	...	...	(d) Re. 52 on creation and Rs. 25 on up-keep omitted from columns 9 and 10 as the sowings have been abandoned.
	Total	A. G. 3312 20	502	...	A. G. 3,814 20	806	1,380	8,143	12,850	40	319	
	GRAND TOTAL	7,718 20	2,144	602	10,280 20	(c) 834	2,372	16,821	17,762	6	7,877	(e) Excludes Rs. 3 spent in Betul on purchase of flower pots.
	TOTAL FOR CENTRAL PROVINCES AND BERAR.	9,721 19	2,381	602	12,410 20	1,339	2,573	21,547	19,084	1,007	8,497	

NOTE.—Up-keep include cleanings, weeding, thinning, filling up blanks, etc. Cultural operations are defined in the memorandum appended to Circular No. 10-F., dated the 31st 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.	Thousands of C. ft.
NORTHERN CIRCLE.																
																RESERVED FORESTS.
North-Mandla	...	...	...	...	...	37	350	25	...	603	...	...	...	...	...	...
South-Mandla	1	13	...	...	14	8	266	11	...	285	1	52	...	...	...	53
Jubbulpore-Narsinghpur	3	79	1	...	83	10	105	6	...	121	...	...	...	...	...	...
Damoh	...	...	...	...	...	8	214	...	...	222	...	...	...	...	...	...
Saugor	2	...	...	...	2	63	144	2	...	209	...	...	...	...	...	...
Mohangabad	1	47	...	...	48	96	22	5	...	123	...	147	...	...	...	147
Seoni	24	52	...	...	76	15	44	2	...	61	...	...	...	...	...	...
Chhindwara	33	...	1	...	33	23	147	3	...	173	...	...	...	...	...	...
Total	63	191	2	...	256	250	1,612	54	...	1,916	1	199	...	...	...	900
SOUTHERN CIRCLE.																
Balaghat	...	72	...	...	72	3	147	14	...	164	1	96	...	...	...	97
Bhandara	...	49	...	...	49	6	722	2	...	730	...	...	...	...	...	...
Bilaspur	2	123	...	...	125	2	168	2	...	172	...	8	...	...	...	8
North-Chanda	18	50	...	...	68	38	644	2	...	684	...	...	...	...	...	...
South-Chanda	80	239	...	...	319	17	138	20	...	175	2	1	...	...	...	2
Nagpur-Wardha	2	...	1	...	3	2	296	5	...	303	...	...	...	...	...	...
North-Raipur	32	28	6	...	66	20	165	12	...	194	...	...	...	...	...	...
South-Raipur	35	364	...	...	399	11	629	4	...	644	...	26	...	...	...	26
Total	A Class															
	B Class															
GRAND TOTAL	169	905	7	...	1,081	99	2,967	60	...	3,126	3	225	...	...	...	124

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 1916-17 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.		
27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
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.	
...	...	...	...	...	27	550	25	...	602	...	1,286	320	...	1,508	2,118	
...	2	...	...	2	10	353	11	...	354	1	1,035	63	...	1,099	1,455	
...	...	...	...	...	13	244	7	...	264	21	614	46	...	681	945	
...	...	...	...	...	8	214	...	...	222	6	234	...	...	240	462	
...	...	...	...	...	65	144	2	...	211	36	310	8	...	354	565	
...	103	...	...	103	97	379	5	...	481	43	243	97	...	383	864	
...	19	...	...	19	39	115	2	...	156	53	773	9	...	834	990	
...	9	19	...	28	55	156	23	...	234	50	212	2	...	273	507	
...	133	19	...	152	* 314	2,135	75	...	2,524	221	4,706	445	...	5,372	7,896	*Difference between this figure and that given in column 4 of Form No. 27 is due to neglect of fractions.
...	...	...	...	...	4	315	14	...	333	11	2,174	123	...	4,308	4,641	
...	...	...	...	...	6	831	2	...	839	8	2,055	...	...	2,063	3,998	
...	...	...	...	...	4	299	1	...	305	...	193	7	...	200	505	
...	...	...	...	...	56	674	2	...	732	221	2,256	6	...	2,483	3,215	
1	...	...	...	1	100	378	20	...	498	1	1,509	43	...	1,553	2,051	
4	...	...	...	4	8	296	6	...	310	11	2,288	1	...	2,300	2,610	
...	...	...	...	...	52	191	17	...	260	10	188	67	...	265	525	
...	...	...	...	...	46	1,019	4	...	1,069	1	1,448	90	...	1,539	2,608	
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
5	...	...	...	5	276	4,003	67	...	4,346	263	15,111	337	...	15,711	20,057	

* If 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. 19.—[PRESCRIBED].—*Outturn (thousands of cubic feet, solid)*

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
	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.
BERAR CIRCLE.															
											CLASS "A"—(TIMBER AND SUBL. RESERVES).				
Melghat	...	...	...	...	...	73	7	...	66	146	...	140	...	...	140
Amraoti	...	...	...	...	...	...	1	3	8	5	...	...	...	...	...
Buldana	...	...	...	...	...	5	38	...	...	43	...	...	...	...	...
Yestmal	...	...	...	...	...	19	60	...	...	81	...	...	...	...	...
Akola	...	...	...	...	...	8	168	1	...	177	...	...	...	...	...
Total	...	...	...	...	...	106	274	6	66	452	...	140	...	...	140
											CLASS "C"—(PASTURE GROUNDS.)				
Amraoti	...	...	...	...	...	...	1	...	...	1	...	...	...	...	...
Buldana	...	...	...	...	...	...	5	...	...	5	...	...	...	...	...
Yestmal	...	...	...	...	...	5	10	4	...	19	...	...	...	...	...
Akola	...	...	...	...	...	...	1	5	...	6	...	...	...	...	...
Total	...	...	...	...	...	5	17	5	...	27	...	...	...	...	...
Total Berar excluding Nimar and Betul.	...	...	...	...	...	111	291	11	66	479	...	140	...	...	140
Figures of 1915-16	...	...	...	...	...	159	233	8	65	465	...	137	...	...	137
											CLASS "A"—(PERMANENT RESERVES.)				
Nimar	...	36	372	12	...	320	...	...	...	...	...	...	...	...	...
Betul	...	...	108	...	...	108	17	62	...	79	...	...	...	...	...
etc. Nimar and Betul	...	36	380	12	...	428	17	62	...	79	...	...	...	...	...
Figures of 1915-16	...	...	12	...	...	12	79	248	5	328	...	...	...	...	...
Total Berar Circle	...	36	380	12	...	428	128	312	66	528	...	140	...	...	140
TOTAL CENTRAL PROVINCES AND BERAR.	298	1,476	21	...	1,765	477	4,932	125	66	5,600	4	470	...	...	574

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

of Timber and Fuel during the year 1916-17 and Agency of Exploitation.—(Concl'd.)

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.
...	...	...	...	...	73	147	...	66	286	8	129	...	524	661	947	
...	...	...	...	...	1	1	3	...	5	4	329	18	...	351	356	
5	9	3	...	17	10	47	3	...	60	104	145	23	...	277	337	
...	...	...	...	...	19	60	2	...	81	84	171	...	10	265	346	
...	...	...	...	...	8	168	1	...	177	135	324	7	...	466	643	
5	9	3	...	17	111	423	9	66	609	335	1,098	53	534	2,020	2,629	
...	...	...	...	...	...	1	...	...	1	...	36	1	...	37	38	
...	8	10	...	18	...	13	10	...	23	...	96	24	...	120	143	
...	...	...	...	...	5	10	4	...	19	4	162	...	188	354	373	
...	...	...	...	...	...	1	1	...	2	...	46	...	...	46	48	
...	8	10	...	18	5	25	15	...	45	4	340	25	188	557	602	
5	17	13	...	35	116	448	24	65	654	339	1,438	78	722	2,577	3,231	
2	14	5	...	21	166	372	13	65	616	184	1,386	499	733	2,802	3,418	
...	...	...	...	...	36	272	12	...	320	62	800	92	...	954	1,274	
1	15	18	...	34	18	185	18	...	221	14	192	628	...	854	1,075	
1	15	18	...	34	54	457	30	...	541	76	992	740	...	1,805	2,349	
25	235	24	...	284	104	396	30	...	530	40	842	787	...	1,669	2,199	
6	32	31	...	69	170	905	54	66	1,195	415	2,430	818	722	4,385	5,580	
11	165	50	...	226	760	7,043	196	66	8,061	899	22,247	1,600	722	25,468	33,533	

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 1916-17.*

Division.	Description of produce.	Produce removed or utilized.										Remarks.
		By Government Agencies.		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	13
All the Divisions of the Northern Circle, Central Provinces.	NORTHERN CIRCLE.		Rs.		Rs.		Rs.		Rs.		Rs.	
	I.—RESERVED FORESTS.											
	Bamboo ... Tons	202	1,370	13,054	66,769	388	2,020	...	...	13,644	70,159	
	Do. ... Lease.	...	...	...	4,630	...	...	...	...	...	4,630	
	Do. ... Commutation.	...	...	...	4,188	...	...	...	...	...	4,188	
	Grazing ...	...	...	...	4,25,889	...	9,905	...	...	...	4,35,794	
	Grass ... Tons.	201	292	4,090	3,147	4,210	7,400	...	...	8,501	10,839	
	Do. ... Lease.	...	...	...	13,018	...	...	...	...	...	13,018	
	Do. ... Commutation.	...	...	...	2,215	...	...	...	...	...	2,215	
	Harra ... Mds	8	5	8	4	...	...	...	...	16	9	
	Do. ... Lease.	...	...	...	18,301	...	...	...	...	...	18,301	
	Lac ... Tons.	2	760	...	2	...	...	...	...	2	762	
	Do. ... Lease.	...	...	...	16,922	...	...	...	...	...	16,922	
	Mahua and Achar. Tons.	...	...	9	11	35	210	...	...	44	221	
	Do. do. Lease.	...	...	...	5,448	...	...	...	...	...	5,448	
	Hide and horns ... Tons.	1	252	...	12	...	...	...	...	...	264	
	Do. do. Lease.	...	...	...	8,164	...	...	...	...	...	8,164	
	Other Minor Produce. Tons	196	1,822	11,230	13,428	2,417	2,848	...	...	13,843	18,098	
	Do. do. Lease.	...	...	...	5,817	...	...	...	...	...	5,817	
	Do. do. Commutation.	...	...	...	17,402	...	...	...	...	...	17,402	
	Mineral Products. Tons.	...	...	2,132	843	3,939	457	...	...	6,071	1,300	
	Do. do. Cft	...	...	21,406	917	...	...	...	...	21,406	917	
	Do. do. Lease.	...	...	...	1,401	...	...	...	...	...	1,401	
	Kaltha ... "	...	...	...	3,333	...	...	...	...	...	3,333	
	Tekari and Babai grass, "	...	...	...	1,424	...	...	...	...	...	1,424	
		Total ...	...	4,501	...	6,13,285	...	22,840	...	...	...	6,40,626
All Divisions of the Southern Circle, Central Provinces.	SOUTHERN CIRCLE.											
	I—RESERVED FORESTS											
	Harra ... Tons.	...	...	1,695	26,162	...	...	...	...	1,695	26,162	
	Lac ... "	1	1,172	106	5,226	...	...	...	...	107	6,398	
	Mahua and Achar. "	3	48	1,653	3,223	...	...	...	...	1,656	3,271	
	Hides and Horns. "	...	99	301	3,757	...	...	...	...	301	3,856	
	Bamboos ... No.	333,852	896	14,619,399	94,325	3,37,728	1,718	...	...	15,290,979	96,939	
	Fodder grass ... Tons	2,831	3,490	27,793	6,194	...	...	...	...	30,624	9,684	
	Thatching grass. "	305	709	98,523	59,101	1,932	3,271	...	...	100,760	63,032	
	Mineral Products. Cft.	...	...	42,994	503	357,571	2,317	...	...	400,565	2,820	

* Includes Rs. 5,810 ; granted free leases of bir of grass to the Military Grass Farm in the Saugor Division.

FORM NO. 20.—[PRESCRIBED].—*Outturn of Minor Forest Produce during the Forest year 1916-17.*
—(Contd.)

Division.	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	13
All Divisions of the Southern Circle, Central Provinces.—(Concl'd.)	SOUTHERN CIRCLE.— (Concl'd.)		Rs.		Rs.		Rs.		Rs.		Rs.	
	I.—RESERVED FORESTS.— (Concl'd.)											
	Other Minor ... Tons.	61	699	20,456	16,408	614	860	...	...	21,131	17,967	
	Grazing Animals. No.	...	...	709,569	2,25,132	13,095	8,146	...	...	722,664	2,33,278	
	Do. of transit Cattle. "	...	...	160,907	12,218	...	...	...	...	160,907	12,218	
	Total ...	...	7,113	...	4,52,249	...	16,312	...	...	...	4,75,674	
	BERAR CIRCLE.											
	I.—RESERVED FORESTS.											
	I.—Class "A"—(Timber and Fuel Reserves.)											
	Bamboos ... No.	27,438	985	35,06,844	50,700	790	14	262,100	3,931	3,797,172	55,630	
	Fodder grass .. Tons.	252	1,510	92,035	93,058	533	493	2,621	953	95,441	96,014	
	Grazing cattle. No.	...	...	(a) 288,681	(a) 2,29,909	18,039	14,617	375	375	307,095	2,44,901	
	Rusa and *thatching grass. { Tons. 109 199 1,197 1,060 61 209 ... 1,567 1,468 Lease. ... 24,942 ... 24,942											
	Rusa oil ... Lbs.	...	...	182	250	...	...	...	...	182	250	
	Lac ... { Lease. ... 600 ... 600 Lbs. 42 12 ... 42 12											
	Harra ... "	...	...	...	1,500	...	...	...	...	...	1,500	
	Gum ... "	...	...	...	200	...	...	...	...	...	200	
All Divisions of Berar proper.	Mineral products. { Tons. ... 4,218 1,345 3,953 518 ... 8,171 1,863 Cft. ... 43,724 334 239,798 163 ... 283,522 497											
	Animal ... { T. lbs. 2 603 849 273 627 ... 876 1,476 No 377 366 161 247 ... 538 613											
	Miscellaneous ... { Tons. 86 92 3,227 7,276 309 721 436 1,085 4,058 9,174 Lease. ... 210 210											
	Total ...	...	4,013	...	4,12,258	...	16,735	...	6,344	...	4,39,350	
	II.—Class "C"—(Pasture Grounds).											
	Bamboos ... No.	...	...	110,983	1,266	...	...	...	...	110,983	1,266	
	Fodder grass ... Tons.	...	...	320	343	5	14	...	...	325	357	
	Grazing cattle No.	...	...	(b) 977,534	(b) 3,34,506	206,145	1,03,068	...	...	1,183,679	4,37,574	
	Rusa grass ... Tons.	...	...	2	5	...	...	...	...	2	5	

(a) Transit cattle 7,596, revenue Rs. 739, and Buffaloes 4,199, revenue Rs. 3,159, and Sur tax Rs. 2,174, excluded.
(b) Excludes transit cattle 10,7167, revenue Rs. 814 and 16,552 nomadic sheep, revenue Rs. 7,372.
* Thatching grass value Rs. 209.

FORM NO. 20.—[PRESCRIBED].—*Outturn of Minor Forest Produce during the Forest year 1916-17.—(Concl'd.)*

Division.	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	13	
All Divisions of Berar proper.—(Concl'd.)	BERAR CIRCLE.— (Concl'd.)		Rs.		Rs.		Rs.		Rs.		Rs.		
	I.—RESERVED FORESTS. (Concl'd.)												
	II.—Class "C" (Pasture Grounds).—(Concl'd.)												
	Rusa oil ... Lbs.	...	...	118	80	...	...	...	...	118	80		
	Mineral Pro- ducts. { Cft.	...	...	308,965	3,444	152,950	463	...	...	461,915	3,907		
	{ Tons.	256	85	19,019	3,702	3,085	526	...	...	22,360	4,313		
	Animal Products	Lbs.	29	11	15	69	...	...	...	...	44	80	
	Miscellaneous produce.	Tons.	51	57	2,794	6,934	1,602	2,404	...	...	4,447	9,395	
	Total	...	153	...	3,46,905	...	1,03,612	...	...	...	4,53,070		
	Total excluding Nimar and Betul.	...	4,166	...	7,62,607	...	1,20,810	...	6,344	...	8,96,327		
Nimar and Betul Division.	I.—Class "A" (Permanent Reserves).												
	Bamboos ... No.	38,113	899	4,017,017	54,321	199,665	1,317	...	...	4,254,795	56,537		
	Fodder grass ... Tons.	1,282	283	17,847	20,762	1,490	1,406	...	...	20,609	22,451		
	Grazing cattle... No.	...	...	* 254,923	1,37,654	12,553	10,296	...	...	267,476	1,47,900	* Ex- cludes transit cattle	
	Rusa grass ... Lease.	...	...	...	7,695	...	...	...	...	...	7,695		
	Lac ... "	...	...	...	880	...	...	...	...	...	880	54,100 and Re- venue	
	Harra ... "	...	...	...	1,315	...	...	...	...	...	1,315	Rs. 6,296.	
	Gum ... "	...	...	...	784	...	...	...	...	...	784		
	Mahua ... "	...	...	...	1,154	...	52	...	...	...	1,206		
		T. lbs.		T. Lbs.						T. Lbs			
	Hides, horns and bones. { Tons.	1 418	443	0 1,380	3	...	...	...	...	1 1,798	446		
	{ Lease.	...	...	...	2,248	...	...	...	...	...	2,248		
	Minerals ... { Tons.	...	...	118	44	...	...	...	...	118	44		
	{ Lease.	...	...	...	281	...	...	...	...	...	281		
	Miscellaneous ... { Tons.	...	124	1,681	894	539	1,153	...	...	2,220	2,171		
	{ Lease.	...	...	...	2,851	...	...	...	...	...	2,851		
Commutation ...	...	...	...	3,137	...	...	...	...	...	3,137			
Total	...	1,749	...	2,34,043	...	14,224	...	...	...	2,50,016			
II.—Class "B" (Avail- able for Agriculture).													
Grazing cattle ... No.	...	...	289	49	...	...	...	...	...	289	49		
Total	...	...	...	49	...	...	...	...	...	...	49		
Total Nimar and Betul.	...	1,749	...	2,34,092	...	14,224	...	...	...	2,50,065			
Total Berar Circle	...	5,915	...	9,66,699 (20,554)	...	1,37,434	...	6,344	...	11,46,392 (20,554)			
GRAND TOTAL CENTRAL PROVINCES AND BERAR.	...	17,529	...	2,062,233 (20,554)	...	1,76,586	...	6,344	...	22,62,692 (20,554)			

N. B.—Figures in bracket show value of transit and nomadic cattle. Figures under right holders and free grantees are estimated only.

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 1916-17.

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
NORTHERN CIRCLE.					
TIMBER.					
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
North Mandla ...	53,513	27,353	80,966	61,915	19,051
South Mandla ...	15,948	10,384	26,332	25,680	652
Jubbulpore-Narsinghpur ...	4,797	12,885	17,682	12,831	4,851
Damoh ...	170,819	7,710	178,529	175,438	3,091
Saugor ...	19,559	63,364	84,923	53,043	31,880
Hoshangabad ...	49,968	96,954	146,922	56,239	90,683
Seoni ...	6,166	39,186	45,352	35,562	9,790
Chhindwara ...	3,478	55,292	58,770	15,257	43,513
Total ...	324,348	315,128	639,476	435,965	203,511
FUEL.					
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
North Mandla ...	2,430	1,755	4,185	2,670	1,515
South Mandla ...	...	850	850	850	...
Jubbulpore-Narsinghpur ...	9,245	20,715	29,960	15,450	14,510
Damoh ...	996,819	6,351	1,003,170	1,001,970	1,200
Saugor ...	11,785	36,354	48,139	19,999	28,140
Hoshangabad ...	44,100	43,310	87,410	59,535	27,875
Seoni ...	14,606	53,187	67,793	55,923	11,870
Chhindwara ...	20	58,883	58,903	1,980	56
Total ...	1,079,005	221,405	1,300,410	1,158,377	142,033
			(Value).		
MINOR FOREST PRODUCE.					
	Rs.	Rs.	Rs.	Rs.	Rs.
North Mandla ...	8	132	140	133	7
South Mandla ...	2,139	490	2,629	2,320	309
Jubbulpore-Narsinghpur ...	63	1,123	1,186	346	840
Damoh ...	381	87	468	402	66
Saugor ...	30	983	1,013	888	125
Hoshangabad ...	20	195	215	130	85
Seoni ...	9	285	294	226	68
Chhindwara ...	184	1,206	1,390	782	608
Total ...	2,834	4,501	7,235	5,227	2,108

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 1916-17.—(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
SOUTHERN CIRCLE.				C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
TIMBER.								
Balaghat	...	...	...	3,350	3,873	7,223	4,917	2,306
Bhandara	...	...	...	3,093	6,176	9,269	6,000	3,269
Bilaspur	...	...	...	296	3,781	4,077	2,178	1,899
North Chanda	...	...	...	4,145	56,033	60,173	36,243	23,930
South Chanda	...	...	...	12,578	99,871	112,449	18,445	94,004
Nagpur-Wardha	...	...	...	817	7,879	8,696	3,418	5,278
North Raipur	...	...	...	16,233	52,256	68,489	18,422	50,067
South Raipur	...	...	...	2,452	46,601	49,053	14,399	34,654
Total				42,959	276,470	319,429	104,022	215,407
FUEL.								
Balaghat	...	...	...	14,285	11,490	25,775	16,890	8,885
Bhandara	...	...	...	3,275	8,050	11,325	5,700	5,625
Bilaspur	...	...	...	250	100	350	225	125
North Chanda	...	...	...	21,899	220,828	242,727	135,148	107,579
South Chanda	...	...	...	...	750	750	750	...
Nagpur-Wardha	...	...	...	2,881	11,000	13,881	5,461	8,420
North Raipur	...	...	...	...	10,142	10,142	7,489	2,653
South Raipur	...	...	...	79	1,155	1,234	1,234	...
Total				42,669	263,515	306,184	172,897	133,287
						Value,		
MINOR FOREST PRODUCE.				Rs.	Rs.	Rs.	Rs.	Rs.
Balaghat	...	...	...	265	664	929	594	335
Bhandara	...	...	...	37	753	790	695	95
Bilaspur	...	...	...	22	1,207	1,229	586	643
North Chanda	...	...	...	375	2,535	2,910	2,450	460
South Chanda	...	...	...	117	942	1,059	997	62
Nagpur-Wardha	...	...	...	6	265	271	231	40
North Raipur	...	...	...	143	85	228	190	38
South Raipur	...	...	...	132	662	794	788	6
Total				1,097	7,113	8,210	6,531	1,679

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 1916-17.—(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
BERAR CIRCLE.				C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
TIMBER.								
Melghat	...	...	...	6,649	73,132	79,781	75,973	3,808
Amraoti	...	...	...	540	1,300	1,840	1,100	740
Buldana	...	...	...	5,559	10,532	16,091	11,171	4,920
Yeotmal	...	...	...	21,252	19,654	40,906	22,934	17,972
Akola	...	...	...	...	8,170	8,170	7,770	400
Nimar	...	...	...	30,012	36,239	66,251	29,042	37,209
Betul	...	...	...	72,342	18,232	90,574	75,944	14,630
Total				136,354	167,259	303,613	223,934	79,679
FUEL.								
Melghat	...	...	...	80	7,744	7,824	7,104	720
Amraoti	...	...	...	8,980	3,460	12,440	11,480	960
Buldana	...	...	...	78,547	104,362	182,909	101,324	81,585
Yeotmal	...	...	...	54,112	95,600	149,712	88,368	61,344
Akola	...	...	...	500	135,125	135,625	125,000	10,625
Nimar	...	...	...	20,720	61,584	82,304	38,684	43,620
Betul	...	...	...	8,509	13,741	22,250	11,773	10,477
Total				171,448	421,616	593,064	383,733	209,331
MINOR FOREST PRODUCE.						Value.		
Melghat	...	...	...	Rs. 936	Rs. 2,606	Rs. 3,542	Rs. 2,648	Rs. 894
Amraoti	...	...	...	137	164	301	119	182
Buldana	...	...	...	38	339	377	342	35
Yeotmal	...	...	...	141	370	511	463	48
Akola	...	...	...	..	640	640	608	32
Nimar	...	...	...	150	4,254	4,404	4,160	244
Betul	...	...	...	478	22,081	22,559	21,656	903
Total				1,880	30,454	32,334	29,906	2,338
GRAND TOTAL CENTRAL PROVINCES AND BERAR.				Timber Cft. 503,661	758,857	1,202,515	763,921	498,597
				Fuel " 1,293,122	906,536	2,199,658	1,715,007	484,651
				Other minor produce, Rs. 5,811	42,068	47,879	41,754	6,125

FORM NO. 22.—[PRESCRIBED].—*Abstract showing the value of Timber and other produce at sale
Depôts for the year 1916-17.*

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.	
NORTHERN CIRCLE.									
Timber ...	...	324,348	13,994	...	203,511	11,228	...	2,765	
Fuel ...	...	1,079,005	4,643	...	142,033	2,793	...	1,850	
Minor produce ...	...	...	2,834	...	...	2,108	...	726	
Total ...	...	...	21,471	...	...	16,129	...	5,342	
SOUTHERN CIRCLE.									
Timber ...	...	8,426	7,052	...	22,414	15,745	8,693	...	
Fuel ...	...	3,290	127	...	5,015	171	44	...	
Minor produce ...	...	...	237	...	...	109	...	128	
Total ...	...	11,716	7,416	...	27,429	16,025	8,609	...	
GRAND TOTAL FOR CENTRAL PROV- INCES AND BEHAR.	...	...	28,887	...	...	32,154	8,609	5,342	

FORM No. 23.—[PRESCRIBED].—Abstract showing the value of live and dead-stock for the year 1916-17.

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
NORTHERN CIRCLE.							
Elephant	6	Rs. 3,231	6	Rs. 2,909	...	322	*Purchased.
Other live-stock	4	88	*6	172	84	...	
Dead-stock	...	1,34,935	...	1,47,760	12,825	...	
Total Northern Circle	...	1,38,254	...	1,50,841	12,587	...	
SOUTHERN CIRCLE.							
Elephant	8	16,600	8	16,100	...	500	
Other live-stock	12	470	12	510	40	...	
Dead-stock	...	2,92,743	...	2,75,994	...	16,749	
Total Southern Circle	...	3,09,813	...	2,92,604	...	17,209	
BERAR CIRCLE.							
LIVE-STOCK.							
Elephants	4	4,027	4	3,826	...	201	
Bullocks	10	489	10	466	...	23	
Total	14	4,516	14	4,292	...	224	
DEAD-STOCK.							
Buildings	...	1,98,299	...	2,03,743	5,444	...	
Mathematical and other drawing instruments	...	3,398	...	3,178	...	220	
Tools	...	7,921	...	6,998	...	923	
Furniture	...	15,787	...	14,662	...	1,125	
Tents	...	9,757	...	8,469	...	1,288	
Miscellaneous	...	8,548	...	11,200	2,652	...	
Total	...	2,43,710	...	2,48,250	8,096	3,556	
Total Berar Circle	...	2,48,226	...	2,52,542	8,096	3,780	Net difference in favour of the year Rs. 4,316.
GRAND TOTAL CENTRAL PROVINCES AND BERAR	...	6,96,293	...	6,95,987	20,683	...	

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

Budget Heads.	Direction Division.	Damoh Division.	Seoni Division.	Hoshangabad. Division.
1	2	3	4	5
NORTHERN CIRCLE.				
REVENUE.				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber ...	...	4,592	3,329	4,839
b. Firewood and charcoal ...	...	1,970	1,176	667
c. Bamboos ...	...	104	3	7
d. Sandal-wood ...	...	...	...	...
e. Grass and other minor produce ...	...	44	20	122
Total I ...	...	6,710	4,528	5,635
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—				
a. Timber ...	...	12,755	15,145	1,31,456
b. Firewood and charcoal ...	...	5,638	10,648	19,244
c. Bamboos ...	...	1,916	15,128	22,037
d. Grazing and fodder Grass ...	...	74,463	70,097	24,330
e. Other minor produce ...	...	17,644	5,825	5,087
f. Other items ...	...	...	...	...
h. Commutation fees ...	...	198	150	578
Total II ...	...	1,12,614	1,16,993	2,02,732
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.				
Total III ...	...	2	3	87
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce ...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...
Total IV ...	...	...	...	...
V.—MISCELLANEOUS—				
a.—Fines and forfeitures ...	...	100	98	...
b.—Refunds ...	...	184	140	310
c.—Other sources ...	...	7,273	6,494	4,015
Total V ...	...	49	7,557	6,732
GRAND TOTAL REVENUE ...	...	49	1,26,883	1,28,256
EXPENDITURE.				
A.—Conservancy and Works.				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber ...	...	155	...	135
b. Firewood and charcoal ...	...	3	...	...
c. Bamboos ...	...	...	...	6
d. Sandal-wood ...	...	...	...	...
e. Grass and other minor produce ...	...	252	32	310
Total A-I ...	...	410	32	451
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FOREST BY CONSUMERS OR PURCHASERS.				
Total A-II ...	...	6,548	7,185	6,863
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.				
Total A-III ...	...	6,548	7,185	6,863
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce ...	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...
Total A-IV ...	...	...	...	...
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.				
Total A-V ...	...	...	...	...

of the different Divisions during the Forest year 1916-17.

Jubbulpore-Narsinghpur Division.	North Mandla Division.	Chhindwara Division.	Saugor Division.	South-Mandla Division.	Total.
6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
763 202 6 ... 214 1,185	1,806 72 14 ... 17 1,909	1,564 29 783 2,376	1,172 266 777 ... 41 2,256	54 ... 3 ... 1,894 1,951	18,119 4,382 914 ... 3,135 26,550
5,611 15,720 7,022 33,176 6,681 ... 2,125 70,335	10,270 1,923 5,920 48,861 10,409 ... 19,337 96,720	25,766 5,569 9,400 70,587 9,729 ... 1 1,21,052	12,574 9,896 6,105 73,487 7,892 ... 441 1,10,395	21,305 87 3,871 47,053 12,760 ... 19,607 1,04,683	2,34,882 68,725 71,399 4,42,054 76,927 ... 42,437 9,35,524
66 66	7 7	21 21		7 7	193 193
...	...	...	...	...	...
...	...	...	...	...	...
...	...	...	...	...	...
68 32 5,241 5,341 76,927	28 118 6,979 7,125 1,05,761	271 9 9,690 9,970 1,33,419	15 8 6,015 6,038 1,18,689	50 117 8,930 9,097 1,15,738	630 920 54,684 56,234 10,18,501
29 951 980 4,166 4,166	 6,568 6,568 3 3	 317 317 5,052 5,052	8 25 257 ... 124 414 5,456 5,456	55 1 56 6,775 6,775	382 28 263 ... 1,987 2,660 48,613 48,613 3 3

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

Budget Heads.	Direction Division.	Damoh Division.	Seoni Division.	Hoshangabad Division.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
NORTHERN CIRCLE.—(Contd.)				
EXPENDITURE.—(Contd.)				
A.—Conservancy and Works.—(Contd.)				
VI.—LIVE STOCK, STORES, TOOLS AND PLANT—				
a. Purchase of cattle ...	...	...	89	...
b. Feed and keep of cattle ...	...	...	77	...
c. Purchase of stores, tools and plant ...	733	379	1,648	794
	37	2,787		667
Total A-VI ...	770	3,166	1,808	1,461
VII.—COMMUNICATIONS AND BUILDINGS—				
a. Roads and bridges ...	...	13,078	2,325	10,528
b. Buildings ...	...	3,861	2,140	5,024
c. Other works ...	...	1,987	267	944
Total A-VII ...	...	18,926	4,732	17,396
VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—				
a. Demarcation ...	...	286	1,125	1,025
b. Cost of Forest Settlements; compensation for land and rights ...	...	3	...	...
c. Surveys ...	...	...	...	...
d. Working plans ...	...	...	...	...
e. Sowing and planting ...	...	30	111	859
f. Protection from fire ...	...	7,778	5,328	7,492
g. Other works ...	...	257	1,406	5,354
Total A-VIII ...	...	8,344	7,970	14,136
IX.—MISCELLANEOUS—				
a. Law charges ...	...	79	...	...
c. Other charges ...	...	1,179	1,216	1,038
Total A-IX ...	...	1,258	1,216	1,038
TOTAL A.—CONSERVANCY AND WORKS ...	770	38,632	22,943	41,333
B.—Establishments.				
I.—SALARIES—				
a. Conservators ...	19,461	...	...	...
b. Superior officers ...	380	8,050	12,360	14,190
c. Subordinate forest and depot establishments ...	168	19,581	20,025	20,418
d. Office Establishments ...	10,310	4,815	4,758	5,137
e. Deputation and special allowances ...	3,954	...	...	1,402
f. Grain compensation allowance ...	...	1	...	...
Total B-I ...	34,273	32,447	37,143	41,156
II.—TRAVELLING ALLOWANCES—				
a. Conservators ...	2,451	...	...	...
b. Superior officers ...	45	1,449	1,108	2,176
c. Subordinate forest and depot establishments ...	26	2,430	3,079	3,343
d. Office establishments ...	542	258	491	309
Total B-II ...	3,064	4,137	4,678	5,828
III.—CONTINGENCIES—				
a. Stationery ...	3	38	37	27
b. Carriage of tents and records ...	1,382	800	785	898
c. Rents, rates and taxes ...	...	99	64	141
d. Pay of Police guards ...	...	...	...	...
e. Official postage ...	603	400	541	854
f. Sundries ...	2,159	1,190	1,836	1,097
Total B-III ...	4,147	2,527	3,263	3,017
TOTAL B.—ESTABLISHMENTS ...	41,484	39,111	45,084	50,001
GRAND TOTAL OF EXPENDITURE ...	42,254	77,753	68,027	91,334
SURPLUS OR DEFICIT ...	-43,205	49,120	60,229	1,21,445

of the different Divisions during the Forest year 1916-17.—(Contd.)

Jubbulpore-Narsinghpur Division.	North-Mandla Division.	Chhindwara Division.	Saugor Division.	South-Mandla Division.	Total.
6	7	8	9	10	11
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
...	...	...	...	...	89
567	...	597	534	743	4,424
870	787	249	1,042	796	8,877
1,437	787	846	1,576	1,539	13,390
2,114	900	568	1,695	1,313	32,515
1,185	1,158	4,654	1,863	5,687	26,472
691	248	393	111	527	3,168
3,990	2,306	5,615	3,669	7,527	64,155
901	1,598	870	1,506	1,201	8,512
...	...	...	604	...	607
...	...	96	...	...	96
...	...	...	...	...	...
3,630	1,467	1,992	38	...	428
860	238	3,033	2,466	4,923	35,082
5,391	3,303	5,991	1,440	149	12,746
...	...	...	...	...	...
1,016	1	151	46	286	563
1,016	530	993	1,030	1,150	8,146
16,980	531	1,144	1,076	1,436	8,709
...	13,498	18,965	18,254	23,606	1,95,001
...	...	...	...	...	...
10,237	5,726	11,187	12,705	4,893	19,461
21,592	15,876	17,677	25,449	16,482	79,737
5,930	4,001	4,937	4,745	5,253	1,57,268
...	158	...	88	...	50,026
...	...	...	...	1	5,602
37,809	25,851	33,801	42,987	26,629	72
...	...	...	...	...	...
1,253	1,166	1,518	1,790	1,198	2,451
3,986	2,005	2,155	3,419	2,652	11,703
357	140	584	225	396	23,005
5,596	3,311	4,257	5,434	4,246	3,302
...	...	...	...	...	40,551
21	36	42	43	40	287
843	672	1,037	969	906	8,292
33	81	12	139	205	774
...	...	...	...	...	...
575	334	423	410	724	4,864
880	808	974	1,167	986	11,097
2,352	1,931	2,488	2,728	2,861	25,314
45,757	31,093	40,546	51,149	33,736	3,77,951
62,737	44,591	59,511	69,493	57,342	5,72,962
14,190	61,170	73,908	49,286	58,396	4,45,539

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

Budget Heads. ^a	Direction Division.	Balaghat Division.	Balaghat School Division.	Bhandara Division.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
SOUTHERN CIRCLE.				
REVENUE.				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber	...	448	...	258
b. Firewood and charcoal	...	224	...	40
c. Bamboos	...	3	...	24
d. Sandal-wood	...	...	...	...
e. Grass and other minor	...	252	...	926
Total	...	927	...	1,248
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.—				
a. Timber	...	50,621	...	38,887
b. Firewood and charcoal	...	15,309	...	24,089
c. Bamboos	...	29,927	...	13,461
d. Grazing and fodder grass	...	36,861	...	10,744
e. Other minor produce	...	31,269	...	15,991
f. Other items	...	...	...	...
g. Commutation fees	...	4,240	...	...
Total II	...	1,58,227	...	1,09,172
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.				
Total III	...	4	...	...
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...
Total IV	...	...	...	...
V.—MISCELLANEOUS—				
a. Fines and forfeitures	...	208	...	85
b. Refunds	...	616	4	2
c. Other sources	8	14,816	4,121	4,483
Total V	8	15,640	4,125	4,570
GRAND TOTAL REVENUE	8	1,84,798	4,125	1,14,990
EXPENDITURE.				
A.—Conservancy and works.				
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—				
a. Timber	...	549	...	8
b. Firewood and charcoal	...	61	...	...
c. Bamboos	...	...	...	16
d. Sandal-wood	...	...	...	...
e. Grass and other minor produce	I	172	...	353
Total A-I	I	782	...	377
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.				
Total A-II	...	10,232	310	5,284
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE.				
Total A-III	...	10,232	310	5,284
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—				
a. Duty on foreign timber and other forest produce	...	...	...	...
b. Revenue from shared and private forests	...	...	...	...
Total A-IV	...	...	...	...
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.				
Total A-V	...	...	...	...

of different Divisions during the Forest year 1916-17.—(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.
133	1,609	14,437	124	2,686	835	20,470
4	1,386	...	72	177	12	1,916
...	...	1	21	33	121	263
...	...	...	...	...	...	...
503	2,075	452	189	6	504	4,907
640	5,070	14,890	406	2,902	1,472	27,555
20,385	23,057	1,04,689	17,084	5,276	25,017	2,85,016
9,916	21,518	1,692	15,349	4,159	13,435	1,05,467
9,644	13,894	5,322	10,713	8,851	1,207	93,019
6,173	59,518	43,569	44,274	16,140	20,265	2,43,544
5,786	15,295	4,019	8,037	9,510	20,219	1,10,126
...	...	...	...	...	...	...
...	...	8,596	...	376	2,504	15,716
51,904	1,33,282	1,67,887	95,457	44,312	82,647	8,52,888
47	56	420	9	103	16	655
47	56	420	9	103	16	655
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	177	206	...	...	792	1,418
7	1,171	49	...	4	71	1,974
2,346	7,635	4,805	7,879	4,678	6,186	56,957
2,353	8,983	5,060	7,879	4,682	7,049	60,349
54,944	1,47,391	1,88,257	1,03,751	51,999	91,184	9,41,447
59	176	8,107	217	1,059	308	10,483
...	1,588	...	52	...	...	1,701
...	...	...	3	...	...	19
...	...	...	...	...	...	...
92	622	407	172	3	306	2,218
151	2,386	8,604	444	1,062	614	14,421
2,922	8,098	5,723	5,653	3,869	4,323	46,414
2,922	8,098	5,723	5,653	3,869	4,323	46,414
...	4	...	...	...	...	18
...	4	...	...	...	...	12
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...
...	...	...	...	...	...	...

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

Budget Heads.	Direction Division.	Balaghat Division.	Balaghat School Division.	Bhandara Division.
1	2	3	4	5
	Rs.	Rs.	Rs.	Rs.
SOUTHERN.—(Concl'd.)				
EXPENDITURE.—(Concl'd.)				
A.—Conservancy and Works.—(Concl'd.)				
VI.—LIVE-STOCK, STORES, TOOLS AND PLANTS—				
a. Purchase of cattle ...	...	...	...	...
b. Feed and keep of cattle ...	208	1,825	145	515
c. Purchase of stores, tools and plant ...	193	308	329	136
Total A-VI ...	401	2,133	474	651
VII.—COMMUNICATIONS AND BUILDINGS—				
a. Roads and bridges ...	...	7,335	...	711
b. Buildings ...	...	3,484	...	545
c. Other works ...	...	962	334	379
Total A-VII ...	...	11,781	334	1,635
VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—				
a. Demarcation ...	...	1,813	...	120
b. Cost of Forest Settlements, compensation for land and rights.	...	...	...	...
c. Surveys ...	...	...	...	...
d. Working-plans ...	473	22	...	23
e. Sowing and planting ...	192	277	461	190
f. Protection from fire ...	...	6,449	...	2,857
g. Other works ...	...	1,868	3	375
Total A-VIII ...	665	10,429	464	3,565
IX.—MISCELLANEOUS—				
a. Law charges ...	...	1	...	...
c. Other charges ...	45	1,408	696	647
Total A-IX ...	45	1,409	696	647
TOTAL A.—CONSERVANCY AND WORKS ...	1,112	36,766	2,278	12,167
B.—Establishments.				
I.—SALARIES—				
a. Conservators ...	20,573	...	...	...
b. Superior officers ...	4,276	23,813	6,244	4,999
c. Subordinate forest and depôt establishments ...	448	22,318	2,548	15,761
d. Office establishments ...	10,611	6,372	1,105	4,787
e. Deputation and special allowances ...	1,862	50	4,046	...
f. Grain compensation allowance ...	...	...	...	...
Total B-I ...	37,770	53,053	13,943	25,547
II.—TRAVELLING ALLOWANCES—				
a. Conservators ...	2,480	...	...	...
b. Superior officers ...	...	2,181	900	934
c. Subordinate forest and depôt establishments ...	146	3,090	1,852	2,757
d. Office establishments ...	758	861	172	425
Total B II ...	3,384	6,132	2,924	4,116
III.—CONTINGENCIES—				
a. Stationery ...	26	43	22	31
b. Carriage of tents and records ...	1,338	1,757	712	603
c. Rents, rates and taxes ...	379	4	...	11
d. Pay of police guards ...	...	...	...	...
e. Official postage ...	853	845	1	793
f. Sundries ...	2,117	1,981	1,204	1,055
Total B-III ...	4,713	4,630	1,939	2,493
TOTAL B.—ESTABLISHMENTS ...	45,867	63,815	18,806	32,156
GRAND TOTAL OF EXPENDITURE ...	46,979	1,00,581	21,084	44,323
SURPLUS OR DEFICIT ...	-46,971	84,217	-16,959	7,667

of different Divisions during the Forest year 1916-17.—(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.
...	...	...	...	...	...	...
558	169	...	...	...	...	169
7	938	1,039	275	113	790	6,406
...	297	169	771	506	223	2,939
565	1,404	1,208	1,046	619	1,013	9,514
1,098	1,822	2,104	4,182	655	1,107	19,104
680	2,058	2,667	1,286	1,069	2,284	14,073
80	1,072	768	748	1,024	1,354	6,721
1,858	4,952	5,629	6,216	2,748	4,745	39,898
120	885	595	1,296	310	387	5,526
...	...	...	...	...	...	...
...	2	...	...	...	...	2
106	211	1,607	320	...	...	2,445
3,870	7,275	4,12	265	...	200	2,323
240	2,379	4,363	5,124	3,666	4,974	38,518
4,336	10,752	4,225	1,819	84	349	11,342
...	...	...	...	...	...	...
396	1	...	469	100	18	589
...	1,266	893	1,278	768	1,217	8,614
396	1,267	893	1,747	868	1,235	9,203
10,228	28,863	33,259	23,930	13,175	17,840	1,79,618
...	...	...	...	...	...	...
7,541	19,095	9,000	13,539	8,400	4,628	20,573
9,578	25,585	14,028	22,269	11,188	20,245	1,01,535
4,151	6,733	6,899	6,288	4,495	6,600	1,43,968
...	863	60	...	...	601	58,541
...	...	...	...	...	...	7,482
21,270	52,276	29,987	42,096	24,083	32,074	3,32,099
...	...	...	...	...	...	...
597	2,366	1,527	2,118	1,376	896	2,480
1,327	3,240	2,144	3,250	1,678	3,640	12,295
442	690	546	510	417	666	23,124
2,366	6,296	4,217	5,878	3,471	5,202	5,487
...	...	...	...	...	...	...
15	40	226	20	9	38	470
704	1,454	979	2,133	1,177	1,789	12,646
34	55	84	48	77	52	744
...	...	...	...	...	...	...
265	734	966	844	458	558	6,317
831	1,258	3,066	1,596	1,498	1,499	16,105
1,849	3,541	5,321	4,641	3,219	3,936	36,282
25,485	62,113	39,525	52,615	30,773	41,212	4,12,367
35,713	90,976	72,784	76,545	43,943	59,052	5,91,985
19,231	56,415	1,15,473	27,206	8,051	32,132	3,49,462

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

Budget Heads.	Direction. Division.	Betul Division.	Buldana Division.
1	2	3	4
	Rs.	Rs.	Rs.
BERAR CIRCLE.			
REVENUE.			
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—			
a. Timber	...	...	...
b. Firewood and charcoal	...	5,231	1,694
c. Bamboos	...	195	3,783
d. Sandal-wood	...	22	...
e. Grass and other minor produce	...	...	...
Total I	...	606	348
	...	6,054	5,819
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS—			
a. Timber	...	...	...
b. Firewood and charcoal	...	68,310	9,583
c. Bamboos	...	3,604	11,211
d. Grazing and fodder grass	...	38,105	7,019
e. Other minor produce	...	56,615	1,05,607
f. Other items	...	11,832	3,128
g. Commutation fees	...	...	...
Total II	...	2,591	...
	...	1,81,057	1,36,548
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE			
Total III	...	129	2
	...	129	2
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—			
a. Duty on foreign timber and other forest produce	...	...	...
b. Revenue from shared and private forests	...	...	...
Total IV	...	...	...
V.—MISCELLANEOUS—			
a. Fines and forfeitures	...	...	...
b. Refunds	...	...	...
c. Other sources	...	...	...
Total V	229	256	7
	229	6,689	10,863
GRAND TOTAL	229	6,045	10,870
	229	1,94,185	1,53,239
EXPENDITURE.			
A.—Conservancy and Work.			
I.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY GOVERNMENT AGENCY—			
a. Timber	...	...	...
b. Firewood and charcoal	...	572	85
c. Bamboos	...	...	1,017
d. Sandal-wood	...	...	...
e. Grass and other minor produce	...	...	...
Total A-I	...	424	177
	...	996	1,279
II.—TIMBER AND OTHER PRODUCE REMOVED FROM THE FORESTS BY CONSUMERS OR PURCHASERS.			
Total A-II	...	10,045	1,003
	...	10,045	1,003
III.—DRIFT AND WAIF WOOD AND CONFISCATED FOREST PRODUCE			
Total A-III	...	...	...
IV.—REVENUE FROM FORESTS NOT MANAGED BY GOVERNMENT—			
a. Duty on foreign timber and other forest produce	...	...	...
b. Revenue from shared and private forests	...	...	...
Total A-IV	...	...	...
V.—RENT OF LEASED FORESTS AND PAYMENTS TO SHAREHOLDERS IN FORESTS MANAGED BY GOVERNMENT.			
Total A-V	...	...	...

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

Budget Heads.	Direction Division.	Betul Division.	Buldana Division.
1	2	3	4
	Rs.	Rs.	Rs.
BERAR CIRCLE.—(Concl'd.)			
EXPENDITURE.—(Concl'd.)			
A.—Conservancy and Works.—(Concl'd.)			
VI.—LIVE STOCK, STORES, TOOLS AND PLANT—			
a. Purchase of cattle ...	...	...	...
b. Feed and keep of cattle ...	859	170	...
c. Purchase of stores, tools and plant ...	18	533	166
Total A-VI ...	877	703	166
VII.—COMMUNICATIONS AND BUILDINGS—			
a. Roads and bridges ...	...	19,866	1,873
b. Buildings ...	...	1,358	1,669
c. Other works ...	...	909	545
Total A-VII ...	...	21,533	4,087
VIII.—ORGANIZATION, IMPROVEMENT AND EXTENSION OF FORESTS—			
a. Demarcation ...	...	817	439
b. Compensation for land and rights ...	...	...	1,562
c. Surveys ...	...	...	3
d. Working-plans ...	...	...	...
e. Sowing and planting ...	...	3	163
f. Protection from fire ...	...	4,153	1,354
g. Other works ...	...	867	3,066
Total A-VIII ...	...	5,840	6,587
IX.—MISCELLANEOUS—			
a. Law charges ...	...	109	...
c. Other charges ...	...	834	639
Total A-IX ...	...	943	639
TOTAL A.—CONSERVANCY AND WORKS ...	877	40,060	13,761
B.—Establishments.			
I.—SALARIES—			
a. Conservators ...	20,400	...	...
b. Superior officers ...	...	12,404	9,700
c. Subordinate forest and depôt establishments ...	126	24,744	14,274
d. Office establishments ...	8,410	5,790	4,992
e. Deputation and special allowances ...	2,915	...	...
f. Exchange compensation allowance ...	...	...	...
Total B-I ...	31,851	42,938	28,966
II.—TRAVELLING ALLOWANCES—			
a. Conservators ...	1,809	...	...
b. Superior officers ...	...	1,505	889
c. Subordinate forest and depôt establishments ...	131	3,749	2,042
d. Office establishments ...	753	415	451
Total B-II ...	2,693	5,669	3,382
III.—CONTINGENCIES—			
a. Stationery ...	26	63	19
b. Carriage of tents and records ...	589	1,271	541
c. Rents, rates and taxes ...	...	16	435
d. Pay of Police guards ...	...	...	...
e. Official postage ...	682	533	614
f. Sundries ...	2,532	1,189	1,422
Total B-III ...	3,829	3,072	3,031
TOTAL B.—ESTABLISHMENTS ...	38,373	51,679	35,379
GRAND TOTAL OF EXPENDITURE ...	39,250	91,739	49,140
SURPLUS OR DEFICIT ...	-39,021	+ 1,02,446	+ 1,04,099

of the different Divisions during the Forest year 1916-17.—(Concl'd.)

Nimar Division.	Akola Division.	Yeotmal Division.	Melghat Division.	Amraoti Division.	Total.
5	6	7	8	9	10
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
37	...	...	...	...	37
1,450	...	1,150	1,253	...	4,892
57	9	325	289	248	1,645
1,544	9	1,475	1,542	248	6,564
3,943	436	2,412	5,356	5,074	38,360
2,825	2,676	1,090	9,567	4,966	24,151
425	780	1,133	616	250	4,658
7,193	3,892	4,635	15,539	10,290	67,169
1,363	700	672	370	...	4,361
...	...	...	15,558	...	17,120
...	152	721	4	61	941
...	...	589	...	4	593
36	2,041	559	57	37	2,896
6,367	1,155	250	6,522	684	20,485
1,886	2,623	3,491	4,568	...	16,501
9,652	6,671	6,282	27,079	786	62,897
221	...	...	10	1	241
2,125	560	1,131	1,369	647	7,395
2,346	560	1,131	1,379	648	7,646
33,061	18,362	28,079	49,212	17,625	2,01,017
...	...	...	...	...	20,400
18,591	8,250	13,392	19,950	11,700	93,989
30,746	9,678	30,203	26,656	11,488	1,47,915
8,530	4,744	6,191	6,419	4,308	49,384
1,800	53	1	3,848	91	8,708
...	...	...	...	...	...
59,669	22,725	49,787	56,873	27,587	3,20,396
...	...	...	...	...	1,809
1,246	942	1,655	1,592	1,465	9,294
5,147	1,844	3,738	3,879	2,068	24,598
821	525	399	740	474	4,558
7,214	3,311	5,792	6,191	4,007	38,259
87	60	41	410	18	724
1,553	875	1,592	1,839	715	8,975
84	120	10	167	79	911
...	...	...	...	...	...
683	377	708	259	500	4,356
1,214	1,084	1,771	1,139	782	11,133
3,621	2,516	4,122	3,812	2,004	26,099
70,504	28,552	59,701	66,878	33,688	3,84,754
1,03,565	46,914	87,780	1,16,090	51,293	5,85,771
+ 1,24,949	+ 1,28,210	+ 3,07,233	+ 41,801	+ 95,159	+ 8,64,876

FOREST DEPARTMENT OF THE
Annual Account Current for the

RECEIPTS.

	Amount.		Amount.	
	Rs.	a. p.	Rs.	a. p.
CASH BALANCE ...	...		...	
VIII.—ASSESSED TAXES ...	...		...	
Income tax—Deductions from salaries	...		3,778	8 6
REVENUE DURING THE YEAR ...	...		10,35,194	13 7
XII.—INTEREST ...	...		372	0 0
OTHER CIVIL HEAD (as detailed below) ...	...		...	
S.B Deposits—Bank Accounts—General Provident Fund ...	...		7,261	0 0
Personal Deposits—Lady Minto's Nursing Association Fund	...		27	0 0
FOREST DEPOSITS ...	...		1,477	5 0
Advances for Military Grass operations	95,834	7 11	...	
ADVANCES RECOVERABLE ...	...		...	
House Building Advances	350	0 0	...	
Forest Advances	5,35,422	0 4	...	
Objection Book Advances	3,218	4 8	...	
Hutting Advances for Plague	230	2 8	...	
Advances for purchase of Motor car	1,275	0 0	...	
Total ...	6,36,329	15 7	6,36,329	15 7
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—				
Forest cheques drawn	6,65,521	5 10	...	
Forest Remittances Miscellaneous	2,689	1 3	...	
Inter Divisional Transfers	4,873	3 4	...	
Discount on sale of Forest Stamps	32,031	8 11	...	
Total ...	7,05,115	3 4	7,05,115	3 4
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS—				
Account between India and Central Provinces	...		9,023	0 0
III.—Items adjustable by India General Provident Fund War Bonds 1920	...		30	0 0
IV.—Items adjustable by Central Provinces, Miscellaneous	...		5,004	15 8
Account between Central Provinces and Bengal	...		...	
III.—Items adjustable by Miscellaneous	...		806	0 8
Account between Central Provinces and Bombay	...		...	
III.—Items adjustable by Central Provinces Miscellaneous	...		1,805	13 0
IV.—Items adjustable by Bombay Miscellaneous	...		9,006	7 0
Account between Central Provinces and Bihar and Orissa	...		267	13 5
III.—Items adjustable by Central Provinces Miscellaneous	...		...	
Account between Central Provinces and Military Supply	...		835	15 0
III.—Items adjustable by Civil	...		...	
IV.—Items adjustable by Military Miscellaneous payments	...		3,395	4 0
Account between Central Provinces and Military	...		...	
V.—Mhow Division—Miscellaneous payments	...		850	0 0
IV.—Items adjustable by Military	...		...	
INTER—DEPARTMENTAL TRANSFERS—				
P. W. Remittances. III Other Remittances	...		212	0 0
(a) Items adjustable by Public Works Department	...		...	
Account between Central Provinces and Public Works Department.	...		...	
Railway Branches I. M. Railway	...		...	
IV.—Items adjustable by P. W. Department Miscellaneous I. M. Railway	...		120	0 0
Suspense Account. War Loan. Subscription under the Bank of Bengal Scheme	...		...	
Do. War Loan 1929—47	...		275	0 0
Do. War Bonds 1920	...		75	0 0
Post and Telegraph Department	...		721	12 6
Miscellaneous	...		88	12 0
GRAND TOTAL ...	...		24,12,073	4 9

[PRESCRIBED].

NORTHERN CIRCLE, CENTRAL PROVINCES.

Forest year 1916-17.

PAYMENTS.

		Amount.	Amount.
		Rs. a. p.	Rs. a. p.
I.—REFUNDS AND DRAWBACKS	...	...	1,976 11 10
EXPENDITURE DURING THE YEAR	...	...	5,78,655 7 9
OTHER CIVIL HEADS (as detailed below)	...	...	...
Refund and Drawbacks	...	...	...
Income-tax	...	...	0 5 4
S.-B-Deposits—Bank Accounts General Provident Fund	...	...	8,039 13 8
FOREST DEPOSITS	...	...	1,468 11 0
ADVANCES RECOVERABLE—			
House Building advance	...	120 0 0	...
Forest Advances	...	5,39,168 4 2	...
Objection Book Advances	...	2,618 0 0	...
Hutting advances on account of plague	...	280 0 0	...
Advances for Military Grass operations	...	95,677 14 11	...
Total	...	6,37,864 3 1	6,37,864 3 1
CASH REMITTANCES—LOCAL—FOREST REMITTANCES	...	...	...
Remittances to Treasuries	...	4,80,592 10 10	...
Inter-Divisional Transfers	...	2,373 4 8	...
Forest stamps adjusted	...	5,24,148 12 2	...
Forest Remittances Miscellaneous	...	19 3 0	...
Total	...	10,07,133 14 8	10,07,133 14 8
EXCHANGE ACCOUNTS WITH OTHER GOVERNMENTS—	...	...	...
Account between India and Central Provinces	...	...	...
III.—Items adjustable by India Miscellaneous	...	...	2,138 13 6
IV.—Items adjustable by Central Provinces Miscellaneous	...	...	9 2 0
Account between Central Provinces and United Provinces	...	...	...
III.—Items adjustable by Central Provinces	...	...	10,447 11 5
Account between Central Provinces and Military and Rawalpindi Division	...	...	...
IV.—Items adjustable Military Emigrant advances	...	...	540 0 0
Account between Central Provinces and Military Supply Account	...	...	...
IV.—Items adjustable by Military Miscellaneous payments	...	...	4,245 4 0
Account between Central Provinces and Military 5th Mhow Division	...	...	...
IV.—Items adjustable by Military Miscellaneous	...	...	1,52,233 1 0
INTER-DEPARTMENTAL TRANSFERS.—			
Public Works Department Remittances. III—Other Remittances (a) Items adjustable by Public Works Department.	...	...	1,060 0 6
Account between Central Provinces and Public Works Department, Railway Branch, I. M. Railway.	...	...	...
IV.—Items adjustable by Public Works Department Miscellaneous, I. M. Railway	...	...	240 0 0
GRAND TOTAL	...	...	24,12,073 4 9

FOREST DEPARTMENT OF THE

Annual Account Current for the

RECEIPTS.

	Amount.		Amount.	
	Rs.	a. p.	Rs.	a. p.
CASH BALANCE	...	...	...	...
VIII.—ASSESSED TAXES	...	...	...	...
Income Tax—Deductions from salaries	...	...	4,579	2 5
REVENUE DURING THE FOREST YEAR 1916-17	...	...	9,41,447	3 3
XII.—INTEREST	...	...	741	8 11
OTHER CIVIL HEAD (as detailed below)	...	...	2,330	2 6
S.B. Deposits—Bank Accounts—General Provident Fund	...	...	8,180	13 8
Personal Deposits—Lady Minto's Nursing Association Fund	...	...	6	0 0
FOREST DEPOSITS	...	...	1,646	8 0
ADVANCES RECOVERABLE—				
Advances for military grass operations	58,258	5 3	...	...
House Building Advances	220	0 0	...	...
Forest Advances	6,61,545	1 7	...	...
Objection Book Advances	4,880	8 0	...	...
Hunting Advances on account of Plague	1,126	8 0	7,26,030	6 10
SUSPENSE ACCOUNT—Presidency Bank Scheme War Bonds 1920 and 1922	...	...	180	0 0
CHEQUES AND BILLS—Forest Department Cheques	...	...	6,000	0 0
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—				
Forest cheques drawn	6,82,664	12 6	...	...
Revenue Remittances written back	2	0 0	...	...
Discount on sale of Forest Stamps	24,511	6 0	...	...
Inter-Divisional Transfers	5,082	15 1	...	...
Forest Remittances Miscellaneous	818	5 8	7,13,979	7 3
III.—Other Remittances Public Works Department Remittances	...	...	255	8 9
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS—				
Account between India and Central Provinces	...	...	...	...
III.—Items adjustable by India	11,005	11 0	...	...
IV.—Items adjustable by Central Provinces	2,596	1 8	...	...
Account between Central Provinces and Bengal	...	...	...	...
III.—Items adjustable by Central Provinces	83	12 0	...	...
IV.—Items adjustable by Bengal	...	...	...	...
Account between Central Provinces and Bombay	...	...	...	...
III.—Items adjustable by Central Provinces	9,006	7 0	...	...
IV.—Items adjustable by ———	...	...	...	...
Accounts between Central Provinces and Burma	...	...	...	...
III.—Items adjustable by Central Provinces	101	15 2	...	...
Account between Central Provinces and United Provinces	...	...	...	...
III.—Items adjustable by Central Provinces	331	15 3	...	...
Account between Central Provinces and Bihar and Orissa	...	...	...	...
III.—Items adjustable by Central Provinces	476	9 0	...	...
IV.—Items adjustable by Bihar and Orissa	20	0 0	...	...
Account between Central Provinces and Military 5th Mhow Division	1,498	12 8	...	...
III.—Items adjustable by Central Provinces	...	...	...	...
IV.—Items adjustable by Military	...	...	...	...
Account between Central Provinces and Military 6th Poona Division	...	...	...	...
IV.—Items adjustable by Military	1,786	11 0	...	...
Account between Central Provinces and Military 2nd Rawalpindi Division	...	...	...	...
IV.—Items adjustable by Military	430	11 10	...	...
Account between Central Provinces and Military Supply Accounts	...	...	...	...
III.—Items adjustable by Civil	1,042	8 6	28,381	3 1
INTER-DEPARTMENTAL TRANSFERS—				
Public Works Department Ordinary Branches	...	...	...	...
" " Railway Branches	...	...	...	...
Military " Northern Circle	...	...	...	...
" " Eastern "	...	...	...	...
" " Western "	...	...	...	...
" " Secunderabad Division	...	...	...	...
" " Burma Division	...	...	...	...
" " Military Supply	...	...	...	...
Post and Telegraph Department	963	15 0	963	15 0
Mine Department	...	...	...	...
GRAND TOTAL	...	...	24,34,621	15 8

[PRESCRIBED].—(Contd.)

SOUTHERN CIRCLE, CENTRAL PROVINCES.

Forest year 1916-17.

PAYMENTS.

	Amount.			Amount.		
	Rs.	a.	p.	Rs.	a.	p.
I.—REFUNDS AND DRAWBACKS	...	...	...	1,343	8	0
EXPENDITURE DURING THE FOREST YEAR 1916-17	...	...	...	5,91,984	9	7
OTHER CIVIL HEADS (as detailed below).—						
S. B. Deposits—Bank Accounts—General Provident Fund...	...	...	...	881	6	5
Civil Deposits Trust interest fund ordinary	...	...	...	8	9	4
FOREST DEPOSITS	...	...	...	1,811	1	8
ADVANCES RECOVERABLE.—						
Advances for military grass operations	58,258	5	3	...	...	...
House Building Advances	...	...	...	...	...	...
Forest Advances	6,55,727	14	5	...	...	...
Objection Book Advances	4,883	8	0	...	...	...
Hutting Advances on account of Plague	1,275	10	8	7,20,145	6	4
SUSPENSE ACCOUNT	...	...	...	...	...	...
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—						
Remittances to Treasuries	5,01,069	10	7	...	...	...
Forest Stamps adjusted	4,02,122	13	6	...	...	...
Inter-Divisional Transfers	10,870	13	9	...	...	...
Forest Remittances—Miscellaneous	39	3	4	9,14,102	9	2
III.—Other Remittances Public Works Department Remittances	...	...	...	200	12	5
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS—						
Account between India and Central Provinces	...	...	...	...	...	...
III.—Items adjustable by India	1,062	14	8	...	...	...
IV.—Items adjustable by Central Provinces	38,946	2	0	...	...	...
Account between Central Provinces and Bihar and Orissa	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	...	...	...	...	...	...
IV.—Items adjustable by Bihar and Orissa	77	3	5	...	...	...
Account between Central Provinces and Military 5th Mhow Division	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	...	...	...	...	...	...
IV.—Items adjustable by Military Miscellaneous	1,63,416	13	10	...	...	...
Account between Central Provinces and Military Supply Account	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	1	8	6	...	...	...
IV.—Items adjustable by ———	...	...	...	...	...	...
Account between Central Provinces and Burma	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	6	13	7	...	...	...
Accounts between Civil and Military 6th Poona Division	...	...	...	...	...	...
IV.—Items adjustable by Military Miscellaneous	78	0	0	2,03,589	8	0
INTER-DEPARTMENTAL TRANSFERS—						
P. W. Department, Ordinary Branches	...	...	...	...	...	...
" " Railway Branch	...	...	...	...	...	...
Military " Northern Circle	...	...	...	...	...	...
" " Eastern "	...	...	...	...	...	...
" " Western "	...	...	...	...	...	...
" " Secunderabad Division	...	...	...	...	...	...
" " Burma Division	...	...	...	...	...	...
" " Military Supply	...	...	...	...	...	...
Post and Telegraph Department	...	...	...	...	...	...
Marine Department	...	...	...	...	...	...
Total	...	...	...	24,34,067	6	11
CASH BALANCE	...	...	...	554	8	9
GRAND TOTAL	...	...	...	24,34,621	15	8

FOREST DEPARTMENT OF THE
Annual Account Current from

RECEIPTS.

	Amounts.		Amounts.	
	Rs.	a. p.	Rs.	a. p.
CASH BALANCE	...		...	
VIII.—ASSESSED TAXES	...		...	
Income Tax—Deductions from salaries	...		4,680	1 8
REVENUE DURING THE YEAR	...		14,50,647	5 5
XII.—INTEREST	...		333	10 8
OTHER CIVIL HEAD (as detailed below)	...		...	
S. B. Deposits—Bank Accounts—General Provident Fund	8,710	0 0	...	
Personal Deposits—Lady Minto's Nursing Association Fund	21	0 0	8,731	0 0
FOREST DEPOSITS	...		3,947	14 7
ADVANCES RECOVERABLE	...		...	
House Building Advances	6	0 0	...	
Forest Advances	5,66,791	3 4	...	
Objection Book Advances	4,083	14 8	...	
Hutting Advances on account of Plague	409	11 2	...	
Advances for purchase of Motor car	2,111	1 8	...	
Advances on account of grass operations military	15,636	11 0	...	
Total	...		5,89,038	9 10
CASH REMITTANCES—LOCAL—FOREST REMITTANCES—				
Forest cheques drawn	6,14,105	3 2	...	
Remittances Miscellaneous	425	13 3	...	
Inter-Divisional Transfers	8,341	13 9	...	
Discount on sale of Forest Stamps	14,710	15 6	6,37,583	13 8
Cheques and bills—Departmental Forest cheques	...		2,700	0 0
P. W. Remittances—III other Remittances (A) Items adjustable by Public Works Department	...		1	1 8
Suspense on account of War loan—Subscription under the Presidency Bank Scheme—War bonds 1920.	...		155	0 0
Total	...		26,97,818	9 6
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS.—				
Recoveries on account of War bonds 1920	340	0 0	...	
Recoveries on account of War bonds 1922	20	0 0	...	
Account between India and Central Provinces	...		...	
Forest Officer's Provident Fund	1,349	9 7	...	
U. S. F. P. Fund	409	3 0	...	
General Provident Fund Imperial	8,011	2 0	...	
Miscellaneous	2,939	12 4	13,069	10 11
Account between Central Provinces and Bombay	...		...	
II.—Items adjustable by Central Provinces—Miscellaneous	1,593	5 3	1,593	5 3
Account between Central Provinces and Military	...		...	
III.—Items adjustable by Military Supply Account Civil	518	2 0	518	2 0
Account between Central Provinces and Military 6th Poona Division	...		...	
III.—Items adjustable by Central Provinces	...		...	
IV.—Items adjustable by Military Miscellaneous Receipts	89	10 0	89	10 0
Account between India and Central Provinces	...		...	
III.—Items adjustable by Central Provinces	...		...	
IV.—Items adjustable by—	...		...	
Total	...		...	
INTER-DEPARTMENTAL TRANSFERS—				
P. W. Department Ordinary Branches	...		...	
" " Railway Branches	...		...	
Military " Northern Circle	...		...	
" " Eastern "	...		...	
" " Western "	...		...	
" " Secunderabad Division	...		...	
" " Burma Division	...		...	
" " Military Supply	...		...	
Post and Telegraph Department	681	9 4	681	9 4
Marine Department	...		...	
Total	...		...	
GRAND TOTAL	...		27,13,770	15 0

[PRESCRIBED].—(Concl'd.)

BERAR CIRCLE, CENTRAL PROVINCES.

July 1916 to June 1917.

PAYMENTS.

	Amounts.			Amounts.		
	Rs.	a.	p.	Rs.	a.	p.
I—REFUNDS AND DRAWBACKS FOREST	...	...	...	1,164	0	5
EXPENDITURE DURING THE YEAR	...	...	...	5,85,771	6	9
OTHER CIVIL HEADS (as detailed below)	...	...	...	...	...	...
S. B. Deposits—Bank Accounts—General Provident Fund...	2,524	0	0	2,524	0	0
FOREST DEPOSITS	...	...	...	4,025	8	10
ADVANCES RECOVERABLE	...	...	...	...	...	...
House Building Advances	50	0	0	...	...	...
Forest Advances	5,78,205	2	1	...	...	...
Objection Book Advances	4,262	10	8	...	...	...
Hutting Advances on account of Plague	445	0	0	...	...	...
Advances for Motor car	1,500	0	0	...	...	...
Advances on account of grass operations military	15,636	11	0	...	...	...
Total	...	...	...	6,00,099	7	9
CASH REMITTANCES—LOCAL—FOREST REMITTANCES.—	...	...	...	...	...	...
Remittances to Treasuries	12,23,435	13	4	...	...	...
Forest Remittances Miscellaneous	104	0	0	...	...	...
Inter-Divisional Transfers	7,863	0	0	...	...	...
Forest stamps adjusted	2,28,989	3	0	...	...	...
Total	...	...	...	14,60,482	5	4
EXCHANGE ACCOUNT WITH OTHER GOVERNMENTS.—	...	...	...	...	...	...
Account between India and Central Provinces	...	...	...	...	...	...
III.—Items adjustable by India	...	...	...	...	...	...
IV.—Items adjustable by Central Provinces Miscellaneous	100	0	0	100	0	0
Account between Central Provinces and Military	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	...	...	...	...	...	...
IV.—Items adjustable by 5th Mhow Division Military Miscellaneous payments	59,195	6	4	59,195	6	4
Account between Central Provinces and Military Supply Account	...	...	...	...	...	...
Military Supply Account	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	...	...	...	...	...	...
IV.—Items adjustable by Military	89	10	0	89	10	0
Account between Central Provinces and Military 6th Poona Division	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	...	...	...	...	...	...
IV.—Items adjustable by Military Miscellaneous payments	89	10	0	89	10	0
Account between Central Provinces and—	...	...	...	...	...	...
III.—Items adjustable by Central Provinces	...	...	...	...	...	...
IV.—Items adjustable by—	...	...	...	...	...	...
Total	...	...	...	...	...	...
INTER-DEPARTMENTAL TRANSFERS.—	...	...	...	...	...	...
P. W. Department Ordinary Branches	...	...	...	...	...	...
" Railway Branch	...	...	...	...	...	...
I. M. Railway Miscellaneous	229	7	7	229	7	7
Military Department Northern Circle	...	...	...	...	...	...
" Eastern	...	...	...	...	...	...
" Western	...	...	...	...	...	...
" Secunderabad Division	...	...	...	...	...	...
" Burma Division	...	...	...	...	...	...
" Military Supply	...	...	...	...	...	...
Post and Telegraph Department	...	...	...	...	...	...
Marine Department	...	...	...	...	...	...
Total	...	...	...	...	...	...
CASH BALANCE	...	...	...	...	...	...
GRAND TOTAL	...	...	...	27,13,770	15	0

ANNUAL FORM NO 26.—Revenue received and outstandings on account of Revenue during the year 1916-17.

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
NORTHERN CIRCLE.		Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	Rs. a. p.	
Direction	Miscellaneous	...	49 0 0	49 0 0	49 0 0	...	Column 6 includes the following:—
North Mandla (a)	Timber other produce	7,506 9 9	1,13,780 6 6	1,21,287 0 3	1,06,144 13 6	15,143 6 9	A.—Amount deducted as correction of entries in the accounts.
South Mandla (b)	Do.	28,528 1 10	1,05,739 9 3	1,34,267 11 0	1,17,637 7 0	16,630 4 0	B.—Amount written off as irrecoverable.
Jubbulpore-Narsinghpur (c)	Do.	1,726 0 0	76,295 11 9	78,021 11 9	76,991 0 0	1,030 11 9	
Damoh (d)	Do.	139 1 10	1,33,860 6 3	1,33,999 8 1	1,29,951 4 1	3,048 4 0	A. B. Rs. a. p. Rs. a. p.
Sangor (e)	Do.	6,803 8 0	1,14,628 8 0	1,21,431 0 0	1,19,760 0 0	1,671 0 0	(a) 349 15 6 33 14 0
Hoshangabad (f)	Do.	11,109 9 2	2,03,449 0 6	2,14,558 9 8	2,13,658 9 8	900 0 0	(b) 1,767 3 0 132 4 0
Seoni (g)	Do.	907 7 0	1,30,375 5 0	1,31,282 12 0	1,29,232 12 0	2,050 0 0	(c) 63 0 0 1 0 0
Chhindwara (h)	Do.	1,853 6 5	1,40,322 10 3	1,42,176 0 6	1,35,250 11 6	6,925 5 0	(d) 3,068 4 1 ...
	Total	58,573 11 10	10,17,500 9 5	10,76,074 5 3	10,28,675 9 9	47,398 11 6	(e) 1,071 0 0 ...
SOUTHERN CIRCLE.						Total	(f) 855 0 0 24 9 8
Direction	Miscellaneous	...	8 4 0	8 4 0	8 4 0	...	(g) 975 0 0 1 12 0
Balaghat	Timber and other produce.	5,565 11 8	1,83,142 0 8	1,88,707 12 4	1,84,799 10 4	3,908 2 0	(h) 1,306 2 0 525 9 6
Balaghat School	Miscellaneous	...	4,124 10 4	4,124 10 4	4,124 10 4	...	
Bhandara	Timber and other produce.	7,770 8 0	1,11,870 12 8	1,19,641 4 8	1,14,989 12 8	4,651 8 0	
Bilaspur	Do.	...	54,944 3 10	54,944 3 10	54,944 3 10	...	
North Chanda	Do.	5,513 10 7	1,43,135 9 5	1,48,650 4 0	1,47,391 1 11	1,259 2 2	
South Chanda	Do.	2,02,703 0 4	3,30,459 8 5	5,33,162 8 9	1,88,256 13 1	3,44,905 11 8	
Nagpur-Wardha	Do.	8,037 11 0	1,03,293 10 10	1,11,331 5 10	1,03,750 10 10	7,580 11 0	
North Raipur	Do.	346 8 0	52,012 10 1	52,359 2 1	52,304 2 2	55 0 0	Includes Rs. 304-12-0 written off as irrecoverable.
South Raipur	Do.	3,984 2 10	89,225 12 8	93,209 15 6	91,972 10 2	1,237 5 4	Includes Rs. 989 written off as irrecoverable.
	Total	2,33,021 4 5	10,72,218 2 11	13,06,139 7 4	9,42,541 15 3	3,63,597 8 1	
BERAR CIRCLE.							
Direction	Sales of timber and other forest produce and miscellaneous sources.	...	229 6 8	229 6 8	229 6 8	...	
Meighat	Do.	512 6 6	1,68,422 10 8	1,68,935 1 2	1,67,890 14 11	11,044 2 3	
Amraoti	Do.	20 0 0	1,70,023 5 4	1,70,033 5 4	1,46,452 0 0	23,581 5 4	
Buldana	Do.	380 0 0	1,52,859 1 9	1,53,239 1 9	1,53,239 1 9	...	
Yestmal	Do.	...	3,95,012 9 6	3,95,012 9 6	3,95,012 9 6	...	
Akola	Do.	...	1,75,831 12 4	1,75,831 12 4	1,75,123 12 4	708 0 0	
Nimar	Do.	33 14 0	2,28,770 8 3	2,28,804 6 3	2,28,313 15 3	270 7 0	
Betul	Do.	2,350 0 0	1,95,772 1 5	1,97,122 1 5	1,94,185 1 5	2,937 0 0	
	Total	2,296 4 0	14,86,911 7 11	14,89,207 12 5	14,50,546 13 10	38,560 14 7	
TOTAL CENTRAL PROVINCES AND BERAR.		2,94,791 4 9	35,76,630 4 3	38,71,421 9 0	34,21,864 6 10	4,49,557 2 2	

ANNUAL FORM NO. 27.—[PRESCRIBED].—Outstandings and Liabilities on account of Contractors and Disbursers for the year 1916-17.

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.	At close of the year.	At commencement of the year.	Payments made during the year.	At close of the year.	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.	
NORTHERN CIRCLE.									
Hoshangabad	...	1,83,589 8 5	1,83,589 8 5	4,568 14 7	1,83,095 0 0	1,87,663 14 7	4,074 6 2	...	
Jubbulpore-Narsinghpur	...	51,863 6 2	51,863 6 2	539 7 7	51,671 11 2	52,211 2 9	347 12 7	...	
North-Mandla	...	32,906 2 11	32,906 2 11	608 3 1	32,446 12 0	33,054 15 1	148 12 2	...	
Damoh	...	69,318 8 10	69,318 8 10	3,146 7 0	72,977 4 5	76,123 11 5	6,805 2 7	...	
Seoni	...	48,294 10 9	48,294 10 9	766 13 11	49,225 4 10	49,992 2 9	1,697 8 0	...	
Direction	...	6,934 15 10	6,934 15 10	294 7 3	6,860 5 3	7,154 12 6	219 12 8	...	
Saugor	...	48,104 7 7	48,104 7 7	811 0 0	50,189 0 3	51,000 0 3	2,895 8 8	...	
South-Mandla	...	48,151 12 0	48,151 12 0	4,407 0 10	47,001 9 5	51,408 10 3	3,256 14 3	...	
Chhindwara	...	46,258 7 10	46,258 7 10	1,094 2 4	45,701 4 10	46,795 7 2	536 15 4	...	
Total	...	5,35,422 0 4	5,35,422 0 4	16,236 8 7	5,39,168 4 2	5,55,404 12 9	19,982 12 5	...	
SOUTHERN CIRCLE.									
Direction	...	19,177 3 1	19,177 3 1	266 5 8	19,269 15 6	19,536 5 2	359 2 1	...	
Balaghat	...	79,350 11 11	79,350 11 11	3,963 15 10	77,909 10 2	81,873 10 0	2,522 14 1	...	
Balaghat School	...	23,917 4 10	23,917 4 10	570 1 2	23,499 9 3	24,069 10 5	153 5 7	...	
Bhandara	...	68,394 13 7	68,394 13 7	2,529 10 10	67,437 3 5	69,964 14 3	1,570 0 8	...	
Bilaspur	...	28,037 6 9	28,037 6 9	2,030 11 3	27,779 2 5	29,809 13 8	1,772 6 11	...	
North-Chanda	...	1,25,699 15 9	1,25,699 15 9	5,676 6 3	1,23,981 1 0	1,29,657 7 3	3,957 7 6	...	
South-Chanda	...	68,774 10 3	68,774 10 3	8,105 15 11	63,444 9 11	71,550 9 10	2,775 15 7	...	
Nagpur-Wardha	...	1,49,773 9 5	1,49,773 9 5	1,547 6 9	1,53,855 0 8	1,55,402 7 5	5,628 14 0	...	
North-Raipur	...	37,747 8 11	37,747 8 11	1,881 2 11	38,137 12 6	39,418 15 5	1,671 6 6	...	
South-Raipur	...	60,671 13 1	60,671 13 1	2,816 8 0	60,413 13 7	63,230 5 7	2,558 8 6	...	
Total	...	6,61,545 1 7	6,61,545 1 7	28,786 4 7	6,55,727 14 5	6,84,514 3 0	22,969 1 5	...	
BERAR CIRCLE.									
Akola	...	40,109 3 11	40,109 3 11	343 10 8	41,948 14 0	42,292 8 8	2,183 4 9	...	
Amraoti	...	49,878 1 6	49,878 1 6	5,526 5 8	51,718 10 3	57,244 15 11	7,366 14 5	...	
Betul	...	73,770 14 5	73,770 14 5	1,223 12 8	85,760 2 2	86,983 14 10	13,213 0 5	...	
Baldana	...	44,008 2 3	44,008 2 3	3,638 3 11	43,867 3 4	47,505 7 3	3,497 5 0	...	
Meighat	...	91,776 3 11	91,776 3 11	15,207 8 2	88,540 11 11	1,03,748 4 1	11,972 0 2	...	
Nimar	...	1,59,570 8 2	1,59,570 8 2	13,794 12 11	1,59,568 14 1	1,73,363 11 0	13,793 2 10	...	
Yeotmal	...	78,345 6 2	78,345 6 2	6,492 15 5	77,455 14 9	83,948 14 2	5,603 8 0	...	
Direction Berar Circle	...	29,322 11 0	29,322 11 0	339 7 10	29,344 11 7	29,684 3 5	351 8 5	...	
Total	...	5,66,791 3 4	5,66,791 3 4	46,566 13 3	5,78,205 2 1	6,24,771 15 4	57,980 12 0	...	
TOTAL CENTRAL PROVINCES AND BERAR.	...	17,63,758 5 3	17,63,758 5 3	91,589 10 5	17,73,101 4 8	18,04,690 15 1	1,00,939 9 10	...	

Statement showing the number of animals grazed in Government Forests and actual revenue and the value of grazing had the commercial rates been charged during the year 1916-17.

Kind of animals.	Privileged.			Ordinary.			Full, i.e., commercial.		Free.		Right holders.		Total.			Remarks.
	Number of animals.	Actual amount realised.	Value at full rates, i.e., commercial.	Number of animals.	Actual amount realised.	Value at full rates, i.e., commercial.	Number of animals.	Value at full rates, i.e., commercial.	Number of animals.	Value at full rates, i.e., commercial.	Number of animals.	Value at full rates, i.e., commercial.	Number of animals.	Actual amount realised.	Value at full rates, i.e., commercial.	
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.	
BERAR PROPER.																
Buffaloes	1,946	887	3,292	...	...	...	1,30,545	1,07,227	58	53	...	...	1,32,539	1,08,114	1,10,572	
Cows and bullocks	3,01,967	86,655	1,83,055	...	...	...	4,91,793	3,17,815	2,24,118	1,17,627	375	375	10,18,253	4,04,470	6,18,872	
Sheep and goats	1,582	148	367	...	...	...	3,35,730	50,361	25	3	...	...	5,37,337	50,509	50,731	
Other animals	266	50	210	...	...	...	2,386	1,272	3	2	...	...	2,655	1,312	1,484	
Total	3,05,761	87,740	1,86,924	...	...	...	9,60,454	4,76,675	2,24,184	1,17,685	375	375	14,90,774	5,64,415	7,81,659	
NIMAR AND BETUL.																
Buffaloes	...	...	...	14,188	10,620	27,121	25,725	46,158	121	208	...	...	40,034	56,776	73,487	
Cows and bullocks	1,13,636	15,369	1,02,555	47,248	15,674	42,127	53,921	49,709	11,827	9,043	...	...	2,26,641	80,751	2,04,329	
Sheep and goats	...	...	...	87	11	16	202	38	513	72	...	...	803	49	12	
Other animals	...	...	...	88	32	67	117	91	82	73	...	...	287	124	212	
Total	1,13,636	15,369	1,02,555	61,611	26,337	69,231	79,965	95,997	12,553	10,296	...	...	2,67,765	1,37,703	2,78,174	
GRAND TOTAL	4,19,397	1,03,109	2,89,479	61,611	26,337	69,231	10,40,419	5,72,672	2,36,737	1,27,981	375	375	17,58,539	7,02,118	10,59,833	
Figures exclude transit cattle 72,612 nomadic sheep and goats 16,552, Revenue Rs. 7,840 and Rs. 7,372 respectively. Rs. 2,174 on account of sur-tax and Rs. 3,159 on account of the grazing of buffaloes (4,199) in ryotwari waste Meighat Division are also excluded.																

KC

F. TRAFFORD,
 Conservator of Forests,
 Berar Circle, Central Provinces.