



Government of Maharashtra  
**FOREST DEPARTMENT**



**ANNUAL ADMINISTRATION REPORT**  
**2022 - 23**





सत्यमेव जयते

GOVERNMENT OF MAHARASHTRA  
FOREST DEPARTMENT

**ANNUAL ADMINISTRATION REPORT**  
**2022 - 23**







# ANNUAL ADMINISTRATION REPORT 2022-23

## INDEX

Chapter No.	Contents	Page No.
	Executive Summary	1-2
I	Constitution of State Forests	3-14
II	Management of State Forests	15-24
III	Silviculture	25-30
IV	Harvesting of Forest Produce	31-42
V	Forest Engineering	43-50
VI	Financial Results	51-62
VII	Administration	63-82
VIII	Development under Annual Plan	83-88
IX	Welfare Activities for Backward Classes	89-96
X	General	97-106
XI	Other Important Wings	
	A. Maharashtra State Forest Employees Welfare Fund	107
	B. CAMPA	108-111
	C. Evaluation	112-113
	D. Forest Publicity and Information	114-115
	E. Silvicultural Research Report (Abridged Version)	116-129
	F. Wildlife in Maharashtra	130-142
	G. Biodiversity	143-146
	H. Deployment of ICT Project in Forest Department	147-151
	I. Zoo Authority	152-155
	J. Maharashtra State Ecotourism Board	156-157
	K. Maharashtra Bamboo Development Board	158-168
	L. Bamboo Research and Training Centre, Chichpalli	169-179
	M. Mangrove	180-184
N. Ecological Task Force Battalion For Marathwada	185-189	
	Subject Head-wise List of Tables.	190-191
	Abbreviations	192

# ANNUAL ADMINISTRATION REPORT 2022-23

## TABLES INDEX

<b>Chapter - I Constitution of State Forests</b>		
<b>Table No.</b>	<b>Particulars</b>	<b>Page No.</b>
1	The Distribution of total Recorded Forest Area in the State	03
2	Classification of Forest Area according to Management and Legal Status	04
3	Circle-wise Distribution of Forest Area	05
4	District-wise Distribution of Forest Area	06
5	District-wise Forest Cover	11
6	District-wise Mangrove Cover	13
7	Forest Area Transferred to FDCM	14
<b>Chapter - II Management of State Forests</b>		
<b>Table No.</b>	<b>Particulars</b>	<b>Page No.</b>
8	A Comparative Statement of Offence Cases	17
9	Classification of Offence Cases	17
10	Causes of Forest Fire	18
11	Illicit cutting in State owned Government Forest	19
12	Grazing in Government Forests	20
13	Working of Mobile Squads and Check Nakas	21
14	Wireless Network in Forest Department	22
15	Information Regarding Joint Forest Management Committees	23
<b>Chapter - III Silviculture</b>		
<b>Table No.</b>	<b>Particulars</b>	<b>Page No.</b>
16	Forest Area as per Silvicultural System	25
17	Progress of Regeneration and Afforestation Under Various Activities	26
18	Species-wise Area Planted and Afforested	27
19	Target and Achievement under 20 Points Programme	28
20	Seedlings Supplied During Vanmahotsava	28
21	Forest Tanks (Under EGS)	29

## Chaptar - IV Harvesting of Forest Produce

Table No.	Particulars	Page No.
22	Forest Area Harvested	31
23	Forest Area Harvested According to Silvicultural System	32
24	Agency-wise Outturn of Major Forest Produce and its value	33
25	Circle-wise Outturn of Major Forest Produce	33
26	Outturn of Major Forest Produce (Teak-Non Teak)	35
27	Region-wise Outturn of Major Forest Produce	37
28	Outturn of Minor Forest Produce (Value)	39
29	Outturn & Value of Important Minor Forest Produce	40
30	Broad Assessment of Labour Employment	41

## Chaptar - V Forest Engineering

Table No.	Particulars	Page No.
31	Communication And Building (Expenditure)	44
32	Length of Forest Roads	45
33	Forest Buildings in charge of Forest Department	46
34	Performance of Government Saw Mills	47
35	Circle-wise Licensed Saw Mill	47
36	Vehicles and Machineries in Forest Department	49

## Chaptar - VI Financial Results

Table No.	Particulars	Page No.
37	Net Revenue and Expenditure	51
38	Circle-wise Revenue And Expenditure	51
39	Change in Forest Revenue in 2022-23 Over 2021-22	52
40	Composition of Forest Revenue by Sources	53
41	Break-Up of Plan & Non-Plan Expenditure	54
42	Circle-wise classification of Forest Expenditure For 2022-23 A) Non-Plan B) Plan	54 - 56
43	Activity-wise Composition of plan and non plan Expenditure	58
44	Outstanding on account of Forest Revenue	59
45	Outstanding of Forest Revenue on account of different reasons	60

**Chaptar - VII Administration**

<b>Table No.</b>	<b>Particulars</b>	<b>Page No.</b>
46	Organization of Forest Department	63
47	Long Term & Short Term Training Courses	67
48	Position of Staff in Forest Department	78
49	Casualties And Punishments	80
50	Information Regarding Range, Round and Beat	81

**Chaptar - VIII Development under Annual Plan**

<b>Table No.</b>	<b>Particulars</b>	<b>Page No.</b>
51	Financial Targets and Achievements	83

**Chaptar - IX Welfare Activities for Backward Classes**

<b>Table No.</b>	<b>Particulars</b>	<b>Page No.</b>
52	Supply of Forest Produce under Nistar	89
53	Achievements under Tribal Sub-plan	92
54	No. of Cases Permitted for Felling under Maharashtra Felling of Trees (Regulation) Act-1964(Revised)	94
55	Maharashtra Sale of Trees by occupants belonging to Scheduled Tribe (Regulation) Act-1969	95

**Chaptar - X General**

<b>Table No.</b>	<b>Particulars</b>	<b>Page No.</b>
56	Private Forest Brought under Possession of Forest Department	97
57	Proposals Received and Disposed off During the Year 2022-23 under Forest Conservation Act 1980	100
58	Expenditure Incurred under MREGS	101
59	Encroachment on Forest Land.	103
60	Claims settled under Forest Right Act-2006	105

# Executive Summary

The Maharashtra Forest Department, as the custodian of the State's rich and diverse biodiversity, is dedicated to a conservation-centric approach in managing and protecting these resources. In accordance with the National Forest Policy of 1988 and the Maharashtra State Forest Policy of 2008, it is mandated that 33 percent of the total geographical area of the State has to be brought under forest / tree cover. Maharashtra spans a total geographical area of 3,07,713 sq. km., out of which **61965.88 Sq. km.** is recorded as forest area. This constitutes approximately 20.14% of the State's total geographical area.

The Annual Administrative Report offers a comprehensive overview of forest management in Maharashtra, covering key areas such as the forest policies, sustainable management strategies and practices like silviculture and forest engineering. It discusses progress under annual development plans and welfare initiatives for marginalized communities alongside various specific topics including the Maharashtra State Ecotourism Board, Zoo Authority, Bamboo Development Board, and efforts in Mangrove conservation. These diverse initiatives underscore the region's commitment to sustainable forest management and conservation efforts, aimed at balancing ecological preservation with socio-economic development.

The report begins by delineating the distribution of forest areas across circles and districts, categorizing them based on management and legal status. It provides detailed insights into district-wise forest cover, mangrove areas, and area transferred to the Forest Development Corporation of Maharashtra (FDCM). Moving on, it addresses forest offense cases and management challenges, offering a comparative analysis of incidents including forest fires, illicit cutting, and grazing. Operational strategies such as mobile squad activities, check nakas, and wireless network utilization are discussed, alongside information on joint forest management committees. Furthermore, the report delves into silvicultural systems and afforestation endeavours, highlighting progress and species-wise plantation data, including details on seedling distribution during Vanmahotsava and forest tanks under the Employment Guarantee Scheme (EGS). Regarding forest harvesting and produce, it examines harvested areas, and labour employment patterns, reviewing infrastructure and communication expenditure encompassing forest roads, buildings, government saw mills, vehicles, and machinery. Financial analysis covers net revenue, expenditure, revenue sources, and expenditure classification, providing circle-wise information. Organization and human resources aspects, such as training courses, staff positions, are discussed alongside financial targets and achievements, forest conservation efforts, and tribal welfare initiatives. Lastly, the report addresses land management issues like private forest management, Forest Conservation Act proposals, Mahatma Gandhi Rural Employment Guarantee Scheme (MREGS) expenditure, encroachment on forest land, and Forest Rights Act settlements.

## Key Results

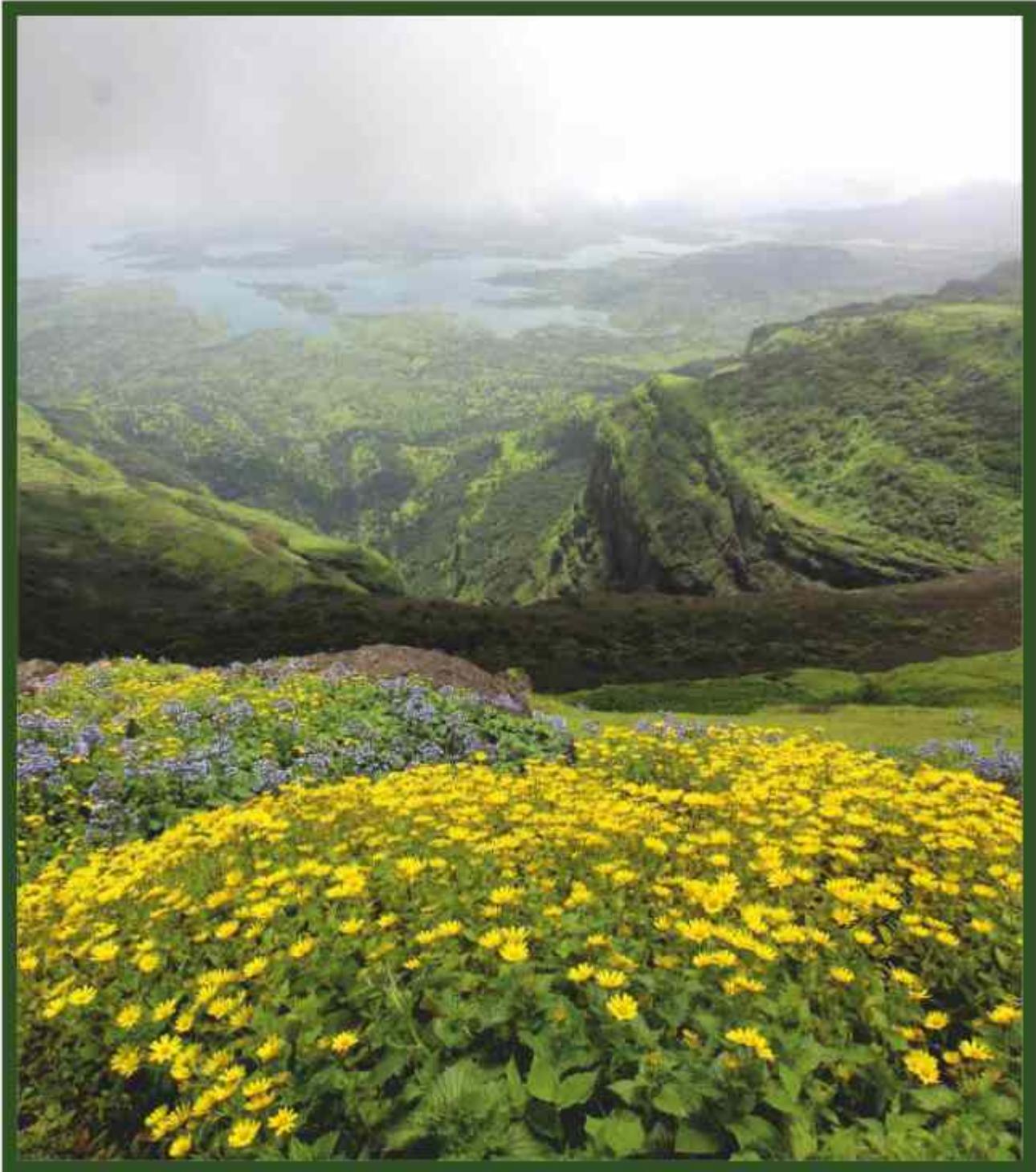
- The forest area in Maharashtra by the end of 2022-23 was **61965.88 Sq. km.** An increase of **58.83 sq. km.** area has been noticed in reported year.
- The total number of offense cases registered is **25575** which have decreased by **3.71%** as compared to 26562 in year 2021-22. Amongst all category of offence cases, notable decrease have been noticed in an authorized grazing followed by unauthorized felling and forest fire.
- As far as forest fire is concerned, in the year 2021-22 average size burnt area per case was **4.18 Ha** in 2022-23 which has comes down to 3.19 Ha. in the reported year. The area burnt in fires was **19990 ha** as compared to the previous year's 26763 ha.
- During the reporting year, **18163.68 ha** of forest area was artificially regenerated and afforested. Plantation drive "Vanamahotsava" was celebrated throughout the state in the year 2022-23 also. To ensure public participation in afforestation **90.43 lakh** seedlings were supplied to individuals, public bodies, institutions, NGOs etc. in reported year.
- In year 2022-23 a total of **398** coupes were worked as per the prescriptions of approved working plans; out of which 253 coupes were worked by Forest Labour's Co-operative Society (FLCS) and 145 coupes were worked by the Department.. Timber and firewood harvested through sustainable management was 95.59 thousand cu.m. and of 87.00 thousand cu.m. respectively. This has generated employment opportunities to the local people along with sustainable management of forest resources.
- Department emphasizes to generate employment through plantation, harvesting, afforestation etc. The total labour employment generated through all forestry activities is 26028.87 thousand mandays and the total amount of wages paid is Rs.1120.75 crores approx. during the reported year. An expenditure of Rs. 41.44 crores was incurred on forestry works under Maharashtra Rural Employment Guarantee Scheme in the year 2022-23.
- To undertake various development programmes of forestry and wildlife conservation various schemes have been implemented. An investment of Rs. 1857.16 crores was made in the year 2022-23. An amount of Rs 120.85 crores was invested on various development activities under Tribal Sub-Plan.
- To have transparency and accountability in the governance, Department has established its own state of art Information Technology infrastructure as e-governance initiatives. To assist decision support system **40+(MIS +GIS)** forestry applications have been developed. In addition 24\*7 toll free Call Centre facility have been operationalized for benefit of the common citizens.

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# CHAPTER - 1

# CONSTITUTION OF STATE FORESTS

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## CHAPTER - I

# CONSTITUTION OF STATE FORESTS

**1.1.1** The forest area under the administrative charge of Forest Department was 57062.47 Sq. Km. at the end of the year 2022-23 and formed 18.55% of geographical area of State. According to the provision of Maharashtra Private Forest (Acquisition) Act 1975, private forests to which certain sections of Indian Forest Act, 1927 were applied, attained the status of Reserved Forest. Hence the Private forest brought under the possession of Forest Department was 1185.02 Sq. Km.

The forest area transferred to Forest Development Corporation of Maharashtra Limited at the end of the year 2022-23 was 3469.11 Sq. Km. constituting about 1.13% of the geographical area of the State.

At the end of the year 2022-23, the forest area under the administrative charge of Revenue Department was 1434.30 Sq. Km. which constituted about 0.47% of total geographical area of the state. Hence the total forest area of Maharashtra State is 61965.88 Sq. Km. constituting about 20.14% of the geographical area of the state (307713 Sq. Kms). This shows that the forest in Maharashtra State was the second largest land use sector after the Agriculture.

**TABLE - 1**

**THE DISTRIBUTION OF THE RECORDED FOREST AREA IN THE STATE IS AS UNDER.**

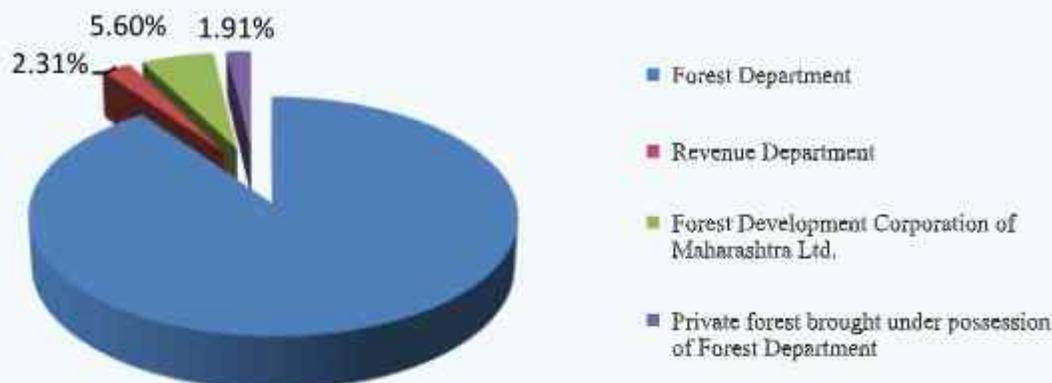
*(Area in Sq.Km.)*

Sr. No.	Name of Agency	Total Forest Area	Percentage to Geographical area
1	Forest Department		
	a) Area in charge of Forest Department	55877.45	18.16%
	(b) Private forest brought under possession of Forest Department	1185.02	0.39%
2	Forest Development Corporation of Maharashtra Ltd.	3469.11	1.13%
3	Revenue Department	1434.3	0.47%
	<b>Total</b>	<b>61965.88</b>	<b>20.14%</b>

Source: APCCF (Conservation), M.S. Nagpur

## GRAPHICAL REPRESENTATION OF AGENCY - WISE DISTRIBUTION OF FOREST AREA

(Area in Sq.Km.)



1.1.2 The legal classification of the above forest areas in-charge of the Forest and Revenue Department is given in Table-2

**TABLE - 2**

### CLASSIFICATION OF FOREST AREA ACCORDING TO MANAGEMENT AND LEGAL STATUS

(Forest area in Sq.Km. as on 31.3.2023)

Sr. No.	Controlling Agency	Area according to Legal status				
		Reserved Forests	Protected Forests	Unclassed Forests	Total	% Distribution
1	Forest Department					
	(a) Area in charge of Forest Department	47053.09	6180.07	2644.29	55877.45	90.17%
	(b) Private forest brought under possession of Forest Department	1185.02	0	0	1185.02	1.91%
2	Forest Development Corporation of Maharashtra Ltd.	3339.14	127.6	2.37	3469.11	5.60%
3	Revenue Department	773.61	35.92	624.77	1434.3	2.31%
	<b>Total</b>	<b>52350.86</b>	<b>6343.59</b>	<b>3271.43</b>	<b>61965.88</b>	<b>100.00%</b>

Source:-APCCP (Conservation), M.S.Nagpur

1.1.3 The circle-wise and district-wise distribution of the forest area in charge of Forest Department and Revenue Department according to legal status, at the close of the year 2022-23, is given in Table-3 and Table-4.

**TABLE - 3**

**CIRCLE-WISE DISTRIBUTION OF FOREST AREA FOR THE YEAR 2022-23**

(Area in Sq. Km.)

Sr. No	Circle	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
1	Thane	Forest(Terri)	3370.41	1125.3	171.8	<b>4667.51</b>
		Wildlife	621.78	1.44	78.58	<b>701.79</b>
		FDCM	443.56	0.04	0	<b>443.60</b>
		Revenue	7.31	34.59	7.73	<b>49.63</b>
		<b>Total</b>	<b>4443.06</b>	<b>1161.37</b>	<b>258.11</b>	<b>5862.53</b>
2	Nashik	Forest(Terri)	3877.94	224.46	48.95	<b>4151.35</b>
		Wildlife	341.44	13.97	0	<b>355.41</b>
		FDCM	421.69	0	0	<b>421.69</b>
		Revenue	352.97	0	5.16	<b>358.13</b>
		<b>Total</b>	<b>4994.04</b>	<b>238.43</b>	<b>54.11</b>	<b>5286.58</b>
3	Dhule	Forest(Terri)	5726.01	57.06	218.88	<b>6001.95</b>
		Wildlife	325.1	0	0	<b>325.10</b>
		FDCM	0	0	0	<b>0.00</b>
		Revenue	97	0	4.02	<b>101.02</b>
		<b>Total</b>	<b>6148.11</b>	<b>57.06</b>	<b>222.9</b>	<b>6428.07</b>
4	Pune	Forest(Terri)	1978.66	0.03	121.47	<b>2100.16</b>
		Wildlife	191.54	0	18.36	<b>209.90</b>
		FDCM	10.17	0	0	<b>10.17</b>
		Revenue	294.56	0	4.09	<b>298.65</b>
		<b>Total</b>	<b>2474.93</b>	<b>0.03</b>	<b>143.92</b>	<b>2618.88</b>
5	Kolhapur	Forest(Terri)	2563.62	298.23	720.7	<b>3582.55</b>
		FDCM	814.27	43.46	54.85	<b>912.58</b>
		Wildlife	2.59	10.99	1.98	<b>15.56</b>
		Revenue	21.77	1.33	1.32	<b>24.42</b>
		<b>Total</b>	<b>3402.25</b>	<b>354.01</b>	<b>778.85</b>	<b>4535.11</b>
6	Ch.Sambhajinagar	Forest(Terri)	208.63	73.64	173.8	<b>2784.76</b>
		Wildlife	2537.32	0	2.83	<b>211.46</b>
		FDCM	180.83	0	0	<b>180.83</b>
		Revenue	0	0	0	<b>0.00</b>
		<b>Total</b>	<b>2926.78</b>	<b>73.64</b>	<b>176.63</b>	<b>3177.05</b>
7	Amravati	Forest(Terri)	2447.24	14.08	1.7	<b>2463.02</b>
		Wildlife	2607.29	0	12.69	<b>2619.98</b>
		FDCM	0	0	0	<b>0.00</b>
		Revenue	0	0	0.26	<b>0.26</b>
		<b>Total</b>	<b>5054.53</b>	<b>14.08</b>	<b>14.65</b>	<b>5083.26</b>
8	Yavatmal	Forest(Terri)	2510.13	6.31	100.56	<b>2616.99</b>
		Wildlife	587.15	0	3.91	<b>591.06</b>
		FDCM	273.71	0	0	<b>273.71</b>
		Revenue	0	0	0	<b>0.00</b>
		<b>Total</b>	<b>3370.99</b>	<b>6.31</b>	<b>104.47</b>	<b>3481.77</b>

Sr. No	Circle	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
9	Nagpur	Forest(Terri)	2450.8	1889.97	565.35	4906.12
		Wildlife	1435.8	180.71	16.16	1632.68
		FDCM	581.11	84.52	0.39	666.02
		Revenue	0	0	548.2	548.20
		<b>Total</b>	<b>4467.71</b>	<b>2155.2</b>	<b>1130.1</b>	<b>7753.01</b>
10	Chandrapur	Forest(Terri)	1919.1	746.66	107.62	2773.38
		Wildlife	1176.11	131.5	13.17	1320.78
		FDCM	743.39	2.26	0	745.65
		Revenue	0	0	2.7	2.70
		<b>Total</b>	<b>3838.6</b>	<b>880.42</b>	<b>123.49</b>	<b>4842.51</b>
11	Gadchiroli	Forest(Terri)	10313.91	1367.97	212.91	11894.78
		Wildlife	233.87	5.29	0	239.16
		FDCM	682.09	29.79	0	711.88
		Revenue	0	0	51.29	51.29
		<b>Total</b>	<b>11229.87</b>	<b>1403.05</b>	<b>264.2</b>	<b>12897.12</b>
Grand Total of Maharashtra		Forest(Terri)	39695.13	5803.7	2443.73	47942.56
		Wildlife	8542.98	376.37	200.56	9119.91
		FDCM	3339.14	127.6	2.37	3469.11
		Revenue	773.61	35.92	624.77	1434.30
		<b>Total</b>	<b>52350.86</b>	<b>6343.59</b>	<b>3271.43</b>	<b>61965.88</b>

Source: APCCF (Conservation), M.S.Nagpur

**TABLE - 4**

**DISTRICT-WISE DISTRIBUTION OF FOREST AREA FOR 2022-23**

Sr.No.	District	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
1	Ahmednagar	Forest(Terri)	1094.64	8.84	44.86	1148.34
		Wildlife	340.89	13.97	0.00	354.86
		FDCM	0.00	0.00	0.00	0.00
		Revenue	339.83	0.00	5.16	344.99
		<b>Total</b>	<b>1775.36</b>	<b>22.81</b>	<b>50.02</b>	<b>1848.19</b>
2	Akola	Forest(Terri)	371.39	7.02	0.01	378.42
		Wildlife	35.31	0.00	0.00	35.31
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>406.71</b>	<b>7.02</b>	<b>0.01</b>	<b>413.74</b>
3	Amravati	Forest(Terri)	1276.16	0.02	0.25	1276.43
		Wildlife	2207.35	0.00	6.61	2213.96
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.26	0.26
		<b>Total</b>	<b>3483.51</b>	<b>0.02</b>	<b>7.12</b>	<b>3490.65</b>

Sr.No.	District	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
4	Ch.Sambhajinagar	Forest(Terri)	740.61	33.91	8.21	782.73
		Wildlife	155.18	0.00	0.00	155.18
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>895.79</b>	<b>33.91</b>	<b>8.21</b>	<b>937.91</b>
5	Beed	Forest(Terri)	231.02	15.37	5.26	251.65
		Wildlife	27.53	0.00	2.83	30.36
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>258.55</b>	<b>15.37</b>	<b>8.09</b>	<b>282.01</b>
6	Bhandara	Forest(Terri)	619.07	262.88	43.83	925.78
		Wildlife	212.69	13.04	4.14	229.87
		FDCM	98.09	0.37	0.00	98.46
		Revenue	0.00	0.00	149.51	149.51
		<b>Total</b>	<b>929.85</b>	<b>276.29</b>	<b>197.48</b>	<b>1403.62</b>
7	Buldhana	Forest(Terri)	799.69	7.04	1.44	808.17
		Wildlife	364.62	0.00	6.08	370.71
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>1164.31</b>	<b>7.04</b>	<b>7.52</b>	<b>1178.87</b>
8	Chandrapur	Forest(Terri)	1919.10	746.66	107.62	2773.38
		Wildlife	1176.11	131.50	13.17	1320.78
		FDCM	743.39	2.26	0.00	745.65
		Revenue	0.00	0.00	2.70	2.70
		<b>Total</b>	<b>3838.60</b>	<b>880.42</b>	<b>123.49</b>	<b>4842.51</b>
9	Dhule	Forest(Terri)	1901.86	8.50	7.27	1917.63
		Wildlife	85.97	0.00	0.00	85.97
		FDCM	0.00	0.00	0.00	0.00
		Revenue	63.58	0.00	0.00	63.58
		<b>Total</b>	<b>2051.41</b>	<b>8.50</b>	<b>7.27</b>	<b>2067.18</b>
10	Gadchiroli	Forest(Terri)	10313.91	1367.97	212.91	11894.78
		Wildlife	233.87	5.29	0.00	239.16
		FDCM	682.09	29.79	0.00	711.88
		Revenue	0.00	0.00	51.29	51.29
		<b>Total</b>	<b>11229.87</b>	<b>1403.05</b>	<b>264.20</b>	<b>12897.12</b>
11	Gondia	Forest(Terri)	704.77	712.71	271.40	1688.88
		Wildlife	478.84	4.33	0.00	483.17
		FDCM	326.99	0.00	0.11	327.11
		Revenue	0.00	0.00	179.48	179.48
		<b>Total</b>	<b>1510.61</b>	<b>717.04</b>	<b>451.00</b>	<b>2678.65</b>

Sr.No.	District	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
12	Hingoli	Forest(Terri)	266.74	3.34	21.33	<b>291.41</b>
		Wildlife	4.39	0.00	0.00	<b>4.39</b>
		FDCM	0.00	0.00	0.00	<b>0.00</b>
		Revenue	0.00	0.00	0.00	<b>0.00</b>
		<b>Total</b>	<b>271.13</b>	<b>3.34</b>	<b>21.33</b>	<b>295.80</b>
13	Jalgaon	Forest(Terri)	1697.36	2.44	45.49	<b>1745.29</b>
		Wildlife	239.13	0.00	0.00	<b>239.13</b>
		FDCM	0.00	0.00	0.00	<b>0.00</b>
		Revenue	28.01	0.00	4.02	<b>32.03</b>
		<b>Total</b>	<b>1964.50</b>	<b>2.44</b>	<b>49.51</b>	<b>2016.45</b>
14	Jalna	Forest(Terri)	97.53	3.29	1.61	<b>102.43</b>
		Wildlife	0.00	0.00	0.00	<b>0.00</b>
		FDCM	0.00	0.00	0.00	<b>0.00</b>
		Revenue	0.00	0.00	0.00	<b>0.00</b>
		<b>Total</b>	<b>97.53</b>	<b>3.29</b>	<b>1.61</b>	<b>102.43</b>
15	Kolhapur	Forest(Terri)	780.48	270.96	284.34	<b>1335.78</b>
		Wildlife	319.49	42.85	28.93	<b>391.27</b>
		FDCM	2.59	10.99	1.98	<b>15.56</b>
		Revenue	0.08	1.33	1.32	<b>2.73</b>
		<b>Total</b>	<b>1102.64</b>	<b>326.13</b>	<b>316.57</b>	<b>1745.34</b>
16	Latur	Forest(Terri)	11.79	4.85	35.71	<b>52.35</b>
		Wildlife	0.00	0.00	0.00	<b>0.00</b>
		FDCM	0.00	0.00	0.00	<b>0.00</b>
		Revenue	0.00	0.00	0.00	<b>0.00</b>
		<b>Total</b>	<b>11.79</b>	<b>4.85</b>	<b>35.71</b>	<b>52.35</b>
17	Mumbai City	Forest(Terri)	2.77	0.00	0.00	<b>2.77</b>
		Wildlife	0.00	0.00	0.00	<b>0.00</b>
		FDCM	0.00	0.00	0.00	<b>0.00</b>
		Revenue	0.00	0.45	0.00	<b>0.45</b>
		<b>Total</b>	<b>2.77</b>	<b>0.45</b>	<b>0.00</b>	<b>3.22</b>
18	Mumbai Sub-urban	Forest(Terri)	30.91	5.19	1.46	<b>37.56</b>
		Wildlife	158.18	0.15	34.33	<b>192.66</b>
		FDCM	0.00	0.00	0.00	<b>0.00</b>
		Revenue	0.00	1.39	0.00	<b>1.39</b>
		<b>Total</b>	<b>189.09</b>	<b>6.73</b>	<b>35.79</b>	<b>231.61</b>
19	Nagpur	Forest(Terri)	636.67	597.10	130.75	<b>1364.53</b>
		Wildlife	657.98	156.32	0.20	<b>814.50</b>
		FDCM	156.02	84.15	0.28	<b>240.45</b>
		Revenue	0.00	0.00	149.51	<b>149.51</b>
		<b>Total</b>	<b>1450.67</b>	<b>837.57</b>	<b>280.74</b>	<b>2568.98</b>

Sr.No.	District	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
20	Nanded	Forest(Terri)	1054.07	8.40	64.11	1126.58
		Wildlife	0.00	0.00	0.00	0.00
		FDCM	180.83	0.00	0.00	180.83
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>1234.90</b>	<b>8.40</b>	<b>64.11</b>	<b>1307.41</b>
21	Nandurbar	Forest(Terri)	2126.79	46.12	166.12	2339.03
		Wildlife	0.00	0.00	0.00	0.00
		FDCM	0.00	0.00	0.00	0.00
		Revenue	5.41	0.00	0.00	5.41
		<b>Total</b>	<b>2132.20</b>	<b>46.12</b>	<b>166.12</b>	<b>2344.44</b>
22	Nashik	Forest(Terri)	2783.86	215.62	4.09	3003.57
		Wildlife	0.55	0.00	0.00	0.55
		FDCM	421.69	0.00	0.00	421.69
		Revenue	13.14	0.00	0.00	13.14
		<b>Total</b>	<b>3219.24</b>	<b>215.62</b>	<b>4.09</b>	<b>3438.95</b>
23	Dharashiv	Forest(Terri)	45.76	4.48	25.91	76.15
		Wildlife	21.53	0.00	0.00	21.53
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>67.29</b>	<b>4.48</b>	<b>25.91</b>	<b>97.68</b>
24	Palghar	Forest(Terri)	1123.12	506.36	2.95	1632.43
		Wildlife	123.96	0.95	0.00	124.91
		FDCM	410.17	0.02	0.00	410.19
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>1657.25</b>	<b>507.33</b>	<b>2.95</b>	<b>2167.53</b>
25	Parbhani	Forest(Terri)	89.80	0.00	11.66	101.46
		Wildlife	0.00	0.00	0.00	0.00
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>89.80</b>	<b>0.00</b>	<b>11.66</b>	<b>101.46</b>
26	Pune	Forest(Terri)	1786.41	0.03	46.57	1833.01
		Wildlife	192.38	0.34	0.00	192.72
		FDCM	10.17	0.00	0.00	10.17
		Revenue	253.85	0.00	0.00	253.85
		<b>Total</b>	<b>2242.81</b>	<b>0.37</b>	<b>46.57</b>	<b>2289.75</b>

Sr.No.	District	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
27	Raigad	Forest(Terri)	1335.46	154.08	151.38	1640.92
		Wildlife	83.95	0.00	44.25	128.20
		FDCM	0.00	0.00	0.00	0.00
		Revenue	7.18	28.35	0.00	35.53
		<b>Total</b>	<b>1426.59</b>	<b>182.43</b>	<b>195.63</b>	<b>1804.65</b>
28	Ratnagiri	Forest(Terri)	67.89	0.03	29.35	97.27
		Wildlife	0.00	0.00	1.05	1.05
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>67.89</b>	<b>0.03</b>	<b>30.40</b>	<b>98.32</b>
29	Sangali	Forest(Terri)	331.41	0.10	84.24	415.75
		Wildlife	116.13	0.00	11.76	127.89
		FDCM	0.00	0.00	0.00	0.00
		Revenue	7.12	0.00	0.00	7.12
		<b>Total</b>	<b>454.66</b>	<b>0.10</b>	<b>96.00</b>	<b>550.76</b>
30	Satara	Forest(Terri)	1136.96	27.14	9.90	1174.00
		Wildlife	378.65	0.61	13.11	392.37
		FDCM	0.00	0.00	0.00	0.00
		Revenue	14.57	0.00	0.00	14.57
		<b>Total</b>	<b>1530.18</b>	<b>27.75</b>	<b>23.01</b>	<b>1580.94</b>
31	Sindhudurg	Forest(Terri)	246.88	0.00	312.87	559.75
		Wildlife	0.00	0.00	0.00	0.00
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>246.88</b>	<b>0.00</b>	<b>312.87</b>	<b>559.75</b>
32	Solapur	Forest(Terri)	213.72	0.00	74.90	288.62
		Wildlife	44.06	0.00	18.36	62.42
		FDCM	0.00	0.00	0.00	0.00
		Revenue	40.71	0.00	4.09	44.80
		<b>Total</b>	<b>298.49</b>	<b>0.00</b>	<b>97.35</b>	<b>395.84</b>
33	Thane	Forest(Terri)	856.13	459.67	16.01	1331.81
		Wildlife	210.79	0.00	0.00	210.79
		FDCM	33.39	0.02	0.00	33.41
		Revenue	0.13	4.40	7.73	12.26
		<b>Total</b>	<b>1100.44</b>	<b>464.09</b>	<b>23.74</b>	<b>1588.27</b>
34	Wardha	Forest(Terri)	490.29	317.28	119.36	926.93
		Wildlife	86.29	7.02	11.82	105.13
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	69.70	69.70
		<b>Total</b>	<b>576.58</b>	<b>324.30</b>	<b>200.88</b>	<b>1101.76</b>

Sr.No.	District	Controlling Agency	Reserved Forest	Protected Forest	Unclassed Forest	Total
35	Washim	Forest(Terri)	358.57	0.00	32.56	391.13
		Wildlife	43.03	0.00	0.00	43.03
		FDCM	0.00	0.00	0.00	0.00
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>401.60</b>	<b>0.00</b>	<b>32.56</b>	<b>434.16</b>
36	Yavatmal	Forest(Terri)	2151.55	6.31	68.00	2225.86
		Wildlife	544.12	0.00	3.91	548.03
		FDCM	273.71	0.00	0.00	273.71
		Revenue	0.00	0.00	0.00	0.00
		<b>Total</b>	<b>2969.38</b>	<b>6.31</b>	<b>71.91</b>	<b>3047.60</b>
<b>Grand Total of Maharashtra</b>		<b>Forest(Terri)</b>	<b>39695.13</b>	<b>5803.70</b>	<b>2443.73</b>	<b>47942.56</b>
		<b>Wildlife</b>	<b>8542.98</b>	<b>376.37</b>	<b>200.56</b>	<b>9119.91</b>
		<b>FDCM</b>	<b>3339.14</b>	<b>127.60</b>	<b>2.37</b>	<b>3469.11</b>
		<b>Revenue</b>	<b>773.61</b>	<b>35.92</b>	<b>624.77</b>	<b>1434.30</b>
		<b>Total</b>	<b>52350.86</b>	<b>6343.59</b>	<b>3271.43</b>	<b>61965.88</b>

Source : APCCF (Conservation), M.S.Nagpur

#### 1.1.4 Forest Cover

India State of Forest Report (ISFR) is published after every two years by Forest Survey of India, (MoEF& CC, Gol), Dehradun and it provides comprehensive information about the forest cover, forest vegetation density, tree cover, progress of plantation outside the designated forests etc. for India as well as all Indian States and all UT's. The country's forest cover includes all patches of land with a tree canopy density of more than 10% and more than 1 ha in area, irrespective of land use, ownership and species of trees.

District-wise forest cover in Maharashtra is shown in Table-5

**TABLE - 5**  
**DISTRICT-WISE FOREST COVER**

(Area in Sq. Km.)

S.No.	District	Geographical Area	2021 Assessment				Change wrt 2019 assessment	Scrub#
			Very Dense***	Moderately Dense **	Open Forest*	Total		
1	2	3	4	5	6	7	8	9
1	Ahmadnagar	17048	0.00	68.79	210.10	278.89	12	556.55
2	Akola	5673	11.00	108.12	222.41	341.53	1.16	15.29
3	Amravati	12210	618.47	1458.36	1091.28	3168.11	0.34	112.82
4	Ch.Sambhaji nagar	10131	20.00	105.70	444.52	570.22	2.29	168.98
5	Beed	10693	0.00	12.32	149.23	161.55	-2.48	359.10
6	Bhandara	4087	170.86	561.52	265.37	997.75	-1.17	18.57
7	Buldhana	9661	25.00	143.11	426.57	594.68	3.08	161.20
8	Chandrapur	11443	1320.89	1555.39	1173.99	4050.27	-4.19	44.06

(Area in Sq.Km.)

S.No.	District	Geographical Area	2021 Assessment				Change wrt 2019 assessment	Scrub#
			Very Dense***	Moderately Dense **	Open Forest*	Total		
9	Dhule	7195	0.00	68.57	233.09	301.66	0.39	112.54
10	Gadchiroli	14412	4705.05	3288.46	1909.31	9902.82	-14.12	17.35
11	Gondia	5234	895.40	739.26	310.95	1945.61	7.02	27.18
12	Hingoli	4827	0.00	9.09	102.91	112	1.99	48.88
13	Jalgaon	11765	51.00	347.31	754.44	1152.75	5.91	97.55
14	Jalna	7694	0.00	8.22	26.31	34.53	-1.95	50.11
15	Kolhapur	7685	64.00	1019.47	702.11	1785.58	-0.74	102.35
16	Latur	7157	0.00	0.04	13.08	13.12	0.1	19.04
17	Mumbai City	157	0.00	0.00	3.20	3.2	0.2	0.00
18	Mumbai Sub Urban	446	0.00	67.05	71.92	138.97	-0.89	0.04
19	Nagpur	9892	400.25	902.15	696.39	1998.79	-1.59	73.90
20	Nanded	10528	58.00	442.07	438.72	938.79	2.03	122.06
21	Nandurbar	5955	0.00	403.68	791.61	1195.29	-0.7	30.23
22	Nashik	15530	0.00	346.45	733.31	1079.76	3.21	348.82
23	Osmanabad	7569	0.00	2.03	47.50	49.53	-0.13	45.93
24	Parbhani	6214	0.00	3.51	36.31	39.82	-0.61	47.44
25	Pune	15643	0.00	760.99	955.50	1716.49	5.63	510.33
26	Raigarh	7152	13.00	1254.21	1683.80	2951.01	11.55	86.23
27	Ratnagiri	8208	34.94	1889.14	2287.86	4211.94	-0.96	3.28
28	Sangli	8572	0.00	94.90	55.67	150.57	0.44	169.22
29	Satara	10480	117.00	569.68	591.51	1278.19	-0.18	366.20
30	Sindhudurg	5207	90.93	1383.88	1348.87	2823.68	-4.3	29.04
31	Solapur	14895	0.00	4.98	41.88	46.86	-2.81	64.54
32	Thane	9558	0.00	1293.03	1699.91	2992.94	-5.15	259.03
33	Wardha	6309	9.97	409.91	444.41	864.29	2.34	56.21
34	Washim	4901	5.00	101.51	189.88	296.39	-0.37	30.60
35	Yavatmal	13582	122.99	1166.10	1321.09	2610.18	2.86	92.72
	<b>Total</b>	<b>307713</b>	<b>8733.75</b>	<b>20589.00</b>	<b>21475.01</b>	<b>50797.76</b>	<b>20.20</b>	<b>4247.4</b>

Source :- India State of Forest Report- 2021

\*\*\* Very Dense Forest having density above 70%

\*\* Moderately Dense Forest having density 40% - 70%

\* Open Forest having density 10% - 40%

# Scrub - Degraded forest lands with canopy density less than 10%

**Positive Changes in Forests of Maharashtra State (As per ISFR -2021)**

- There is an increase of 20 sq. km and 1302 Sq. Km of total Forest Cover and Tree cover respectively in the State as compared to the previous assessment in 2019
- Net increase of Forest cover by 13 Sq. Km and 17 Sq. Km in Very Dense Forest and Moderately Dense Forest respectively in 2021

- Tree Cover (patches of size less than 1 ha outside recorded forest area) in the State has increased by 26.67% (2,550 Sq. Km) since 2015
- Maharashtra State is the 1<sup>st</sup> in the country having Tree Cover of 12,108 Sq.km
- Mangrove cover in the State has increased by 4 sq. km as compared to 2019 Assessment. In 2021, the Mangrove Cover increased by 45.94% (102 Sq. Km) since 2015
- Mumbai is the 2<sup>nd</sup> in the Country having 110.77 Sq. Km of Forest Cover in Major Mega Cities and it recorded 9% increase of forest cover in the last decade.
- Total Carbon Stock of the State is 451.61 Million Tonnes (1655.90 Million Tonnes of CO2 equivalent) i.e. 4th rank among all states in the Country. In 2021 Assessment, the Carbon stock has increased by 11.12 Million Tonnes (3%) of previous assessment in 2019 in Maharashtra
- The growing stock in the state has increased by 14.31 Cu.M. million cum as compared to last assessment in 2019 (Forest 55.65% and TOF 44.35%)

District-wise Mangrove cover in Maharashtra is shown in Table-6

**TABLE - 6**  
**DISTRICT-WISE MANGROVE COVER**

(Area in Sq. Km.)

S.No.	District	Geographical Area	MANGROVE COVER 2021				Change w.r.t. 2019 Assessment
			Very Dense Mangrove	Moderately Dense Mangrove	Open Mangrove	TOTAL	
1	2	3	4	5	6	7	8
1	Mumbai City	157	0	0	2	2	0
2	Mumbai Suburban	446	0	26.97	36.25	63.22	-1.08
3	Raigarh	7152	0	15.3	111.69	126.99	6.02
4	Ratnagiri	8208	0	14.96	15.37	30.33	0.18
5	Sindhudurg	5207	0	5	7.07	12.07	-0.12
6	Thane	9558	0	27.75	61.93	89.68	-0.98
	<b>Total</b>	<b>30728</b>	<b>0</b>	<b>89.98</b>	<b>234.31</b>	<b>324.29</b>	<b>4.02</b>

Source:- India State of Forest Report-2021

**1.1.5** The forest areas were transferred from the Forest Department to Forest Development Corporation of Maharashtra Ltd. with the objective of converting them into valuable stands yielding increased returns. The forest area so far transferred to Corporation till the end of 2022-23 from various circles of the state aggregating to 3469.11 Sq.Km. was as below.

**TABLE - 7****FOREST AREA TRANSFERRED TO FOREST DEVELOPMENT CORPORATION OF MAHARASHTRA LTD. [From 1974-75 to 2022-23]***(Area in Sq. Km.)*

Sr. No.	Circle	Reserved Forests	Protected Forests	Unclassed Forests	Grand Total
1	Thane	443.56	0.04	0.00	443.60
2	Nashik	421.69	0.00	0.00	421.69
3	Dhule	0.00	0.00	0.00	0.00
4	Pune	10.17	0.00	0.00	10.17
5	Kolhapur	2.59	10.99	1.98	15.56
6	Ch. Sambhajinagar	180.83	0.00	0.00	180.83
7	Amravati	0.00	0.00	0.00	0.00
8	Yavatmal	273.71	0.00	0.00	273.71
9	Nagpur	581.11	84.52	0.39	666.02
10	Chandrapur	743.39	2.26	0.00	745.65
11	Gadchiroli	682.09	29.79	0.00	711.88
<b>Grand Total</b>		<b>3339.14</b>	<b>127.60</b>	<b>2.37</b>	<b>3469.11</b>

*Source: APCCF(Conservation), M.S. Nagpur***1.1.6 Forest Settlement**

During the year under report, an area of 3605.59 Sq.Kms was in hand for settlement at the commencement of the year and an extent of area 45.85 Sq.Km was taken in hand during year. Area finally settled during the year under report was 13.32 sq.km.

**1.1.7 Demarcation**

The total length of boundary at the close of the year was 171109.99 Kms. The lengths of forest boundaries artificially demarcated and existing boundaries repaired during the year under report were 216.86 Kms. and 10977.66 Kms respectively. The expenditure to the extent of Rs. 170.84 lakh on new works and Rs 1746.25 lakh on repairs was incurred during the year 2022-23.

**1.1.8 Forest Surveys**

No survey works of forest area was carried out by Survey of India organization during year under report. However, last survey work was carried out by Survey of India organization during 1977-78.

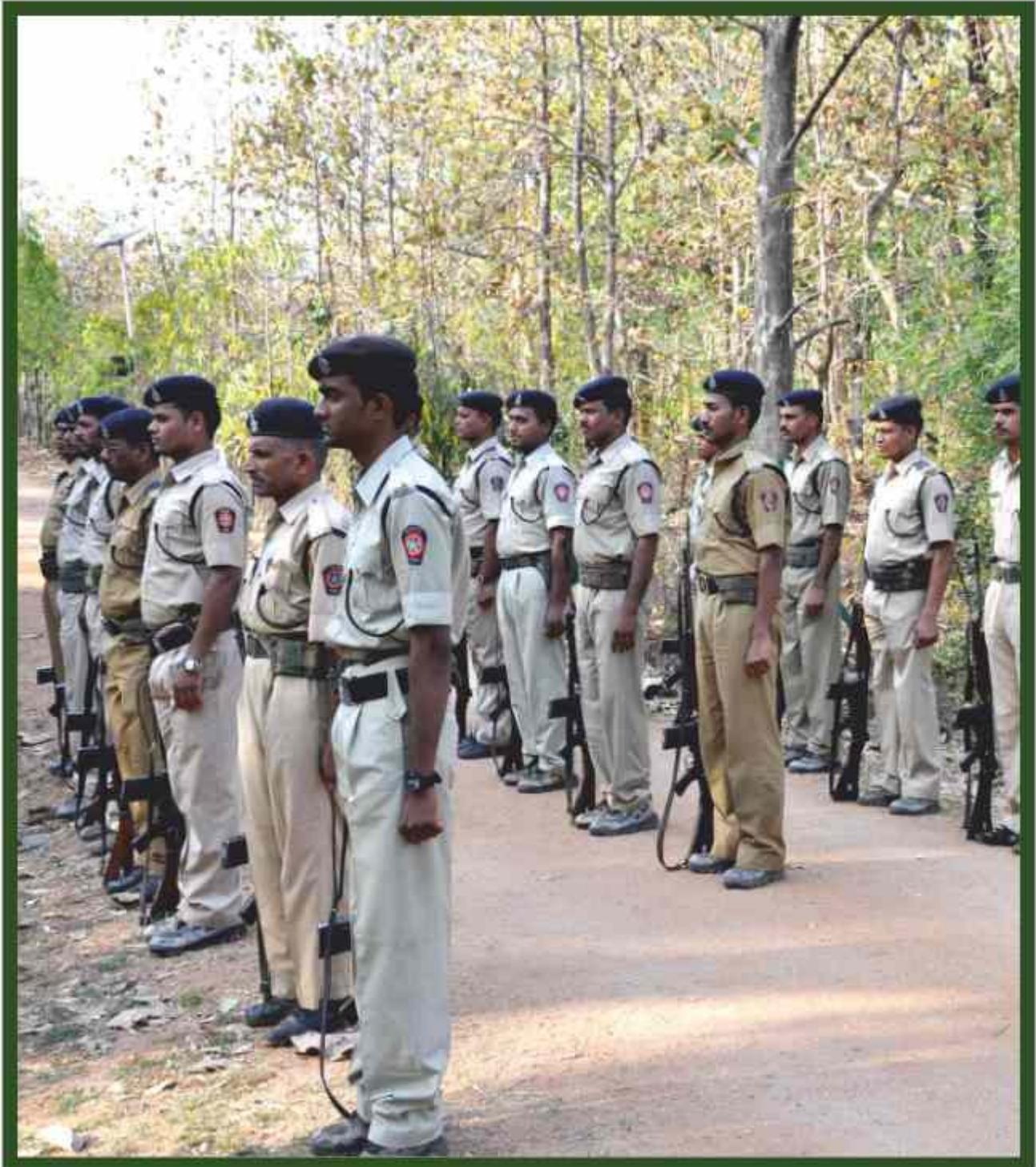
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## CHAPTER - 2

# MANAGEMENT OF STATE FORESTS

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## CHAPTER - II

# MANAGEMENT OF STATE FORESTS

**2.1.1** An area of 57062.47 Sq.km., was managed by Forest Department. Out of this area, 45547.07 Sq.km. (Provisional) was brought under sanctioned Working Plans up to 2022-23.

### 2.1.2 Preparation and control of Regular working plan

The position of sanctioned Working Plan during the year 2022-23 is summarized below.

Circle	Working Plan in Operation		Remarks
	Division	Period of W.P.	
Thane	1. Alibag	2016-2017/2025-2026	--
	2. Roha	2017-2018/2026-2027	
	3. Shahapur	2017-2018/2026-2027	
Nashik	4. East Nashik	2012-2013/2021-2022	--
	5. West Nashik	2019-2020/2028-2029	
	6. Malegaon	2015-2016/2024-2025	
	7. Sangamner	2021-2022/2030-2031	
	8. Ahmednagar	2023-2024/2032-2033	
Dhule	9. Yawal	2018-2019/2027-2028	--
	10. Dhule	2016-2017/2025-2026	
	11. Nandurbar	2015-2016/2024-2025	
	12. Mewasi	2018-2019/2027-2028	
	13. Jalgaon	2019-2020/2028-2029	
Pune	14. Bhore	2015-2016/2024-2025	--
	15. Solapur	2015-2016/2024-2025	
	16. Junnar	2020-2021/2029-2030	
Kolhapur	17. Kolhapur	2022-2023/2031-2032	--
	18. Satara	2022-2023/2031-2032	
	19. Sawantwadi	2015-2016/2024-2025	
Ch. Sambhajinagar	20. Ch. Sambhajinagar	2014-2015/2023-2024	--
	21. Parbhani	2018-2019/2027-2028	
	22. Hingoli sub div.	2017-2018/2026-2027	
	23. Beed	2017-2018/2026-2027	
	24. Nanded	2013-2014/2022-2023	
	25. Osmanabad	2019-2020/2028-2029	
Amravati	26. Amravati	2014-2015/2023-2024	--
	27. East Melghat	2016-2017/2025-2026	
	28. Akola	2021-2022/2030-2031	
	29. Buldhana	2019-2020/2028-2029	
Yavatmal	30. Yavatmal	2012-2013/2021-2022	--
	31. Pandharkawda	2013-2014/2022-2023	
	32. Pusad	2019-2020/2028-2029	
	33. Washim	2020-2021/2029-2030	

Circle	Working Plan in Operation		Remarks
	Division	Period of W.P.	
Nagpur	34. Nagpur	2015-2016/2024-2025	—
	35. Wardha	2017-2018/2026-2027	
	36. Gondia	2013-2014/2022-2023	
	37. Bhandara	2019-2020/2028-2029	
Chandrapur	38. Chandrapur	2014-2015/2023-2024	—
	39. Central Chanda	2016-2017/2025-2026	
	40. Brahmapuri	2019-2020/2028-2029	
Gadchiroli	41. Allapalli	2017-2018/2026-2027	—
	42. Wadsa	2012-2013/2021-2022	
	43. Sironcha	2019-2020/2028-2029	
	44. Gadchiroli	2019-2020/2028-2029	
	45. Bhamragad	2019-2020/2028-2029	

Source - CF(WP) Pune & CF(WP) Nagpur

### 2.1.3 Grazing Settlement

No grazing settlement report for the forest area was prepared during the year. All possible efforts were done to prevent the unauthorized grazing in the forest area.

### 2.1.4 Working of Coupes

Circle	Current coupes due for working	Arrear coupes due for working	Current coupes worked by FLCS*	Arrear coupes worked by FLCS*	Total coupes worked by FLCS*	Coupes worked by Deptt.	Coupes worked by other Agencies	Total coupes worked	Coupes remained unworked
1	2	3	4	5	6	7	8	9	10
1. Thane	377	0	0	0	0	0	0	0	377
2. Pune	78	0	0	0	0	0	0	0	78
3. Ch. Sambhajinagar	308	107	28	0	28	19	0	47	368
4. Amravati	17	0	12	0	12	5	0	17	0
5. Yavatmal	70	0	58	0	58	12	0	70	0
6. Nagpur	89	0	76	0	76	2	0	78	11
7. Chandrapur	35	0	12	0	12	23	0	35	0
8. Gadchiroli	246	0	67	0	67	84	0	151	95
<b>Total</b>	<b>1220</b>	<b>107</b>	<b>253</b>	<b>0</b>	<b>253</b>	<b>145</b>	<b>0</b>	<b>398</b>	<b>929</b>

### 2.2.1 Protection of Forest

Undesirable human interference such as unauthorized felling and removal of minor forest produce, unauthorized grazing, setting of fires to forests, encroachment on forest land etc. cause loss to forest wealth. Various protective measures were adopted to protect this valuable forest wealth.

The effect of various measures taken by the Forest Department in connection with the forest protection and conservation of existing forest showed good result. The mobile squads were functioning effectively under the supervision of vigilance units created in the past. The department sought the assistance of SRPF and their contingents were deployed in the sensitive areas for protecting forest and wildlife resources.

2.2.2 A comparative statement of forest offences registered during the year 2022-23 vis-à-vis the previous year 2021-2022 is given in Table below.

**TABLE - 8**

**A COMPARATIVE STATEMENT OF OFFENCE CASES (Forest Offences Recorded)**

Year	Injury by fires	Unauthorized felling	Unauthorized grazing	Other (Encroachment & illegal cultivation)	Total
2022-23	6258	11677	930	6710	25575
2021-22	6408	13086	1102	5966	26562

The offence cases registered shows that they have decreased by about 3.71% this year as compared to previous year (2021-22). All type of other offences has decreased as compared to last year record except other offences.

**TABLE - 9**

**2.2.3 CLASSIFICATION OF OFFENCE CASES FOR THE YEAR 2022-23**

Sr.No	Category of offence cases	Number of Cases			Total
		" A "	" B "	"C"	
		Taken to court of LAW	Dealt with U/s 68 of IFA 1927	Undetected	
1	Injury to forest by fires	66	2940	3252	6258
		[51]	[3049]	[3308]	[10428]
2	Unauthorized felling	333	7870	3474	11677
		[215]	[7953]	[4918]	[13086]
3	Unauthorized grazing	11	567	352	930
		[81]	[864]	[157]	[1102]
4	Other (Encroachment & illegal cultivation etc.)	808	3923	1979	6710
		[564]	[3187]	[2215]	[5966]
5	Total New Cases	1218	15300	9057	25575
		[911]	[15053]	[10598]	[26562]
6	Cases pending from previous year	4800	14541	--	19341
		[5006]	[16969]	[--]	[21975]
7	Grand Total	6018	29841	9057	44916
		[5917]	[32022]	[10598]	[48537]
8	Total disposed cases during the year	923	13901	--	14824
		[705]	[17901]	[--]	[18606]
9	Cases pending at the close of the year	5095	15940	--	21035
		[5212]	[14121]	[--]	[19333]

(Figures in the brackets are the corresponding figures of last year).

The position of disposal of offence cases was as follows

Year	Conviction Cases			Acquittals Cases		
	A	B	Total	A	B	Total
2022-23	451	5308	5759	472	8593	9065
2021-22	428	5606	6034	277	12295	12572

Out of the cases referred to the Court of Law, convictions were ordered in 451 cases while 472 cases resulted in acquittal and 5095 cases were pending at the close of the year. From the cases decided under section 68 of Indian Forest Act 1927, 5308 cases resulted in conviction by forest officials, 8593 cases resulted in acquittal and 15940 cases were pending at the close of the year 2022-23. The number of undetected cases was 9057.

#### 2.2.4 Injury by fires & protection from fire

The number of fire offence cases has decreased by 2.34% as compared with last year. The average size of fire was 3.19 ha. Total area protected from fire was 56914.20 sq.km. This implies only 0.35% area could not be protected from fire. Area Burnt during the year was 199.91sq.km. Measures like tracing of fire lines, engaging of fire watchers during the fire seasons were taken. The value of damage of standing crops excluding that of grass worked out to Rs.41.87 lakh. An expenditure of Rs.2578.78 lakh was incurred on fire & forest protection programme during the year. The offences in connection with fires are classified according to origin of fire were as under. Classification of cause of Forest Fire is given below.

**TABLE - 10**

#### CAUSES OF FOREST FIRE

Sr. No.	Origin of Fire	Number of fires	Area burnt (in Ha.)	Average size of fire (in Ha.)
1	(A) Natural	1707	4071	2.39
2	(B) Unintentional/Accidental due to human beings	1689	5575	3.30
3	(C) Deliberately/Intentional/incendiary due to human being	128	567	4.43
4	(D)Unknown Causes	2734	9777	3.58
Total		6258	19990	3.19
		2021-22	6408	4.18

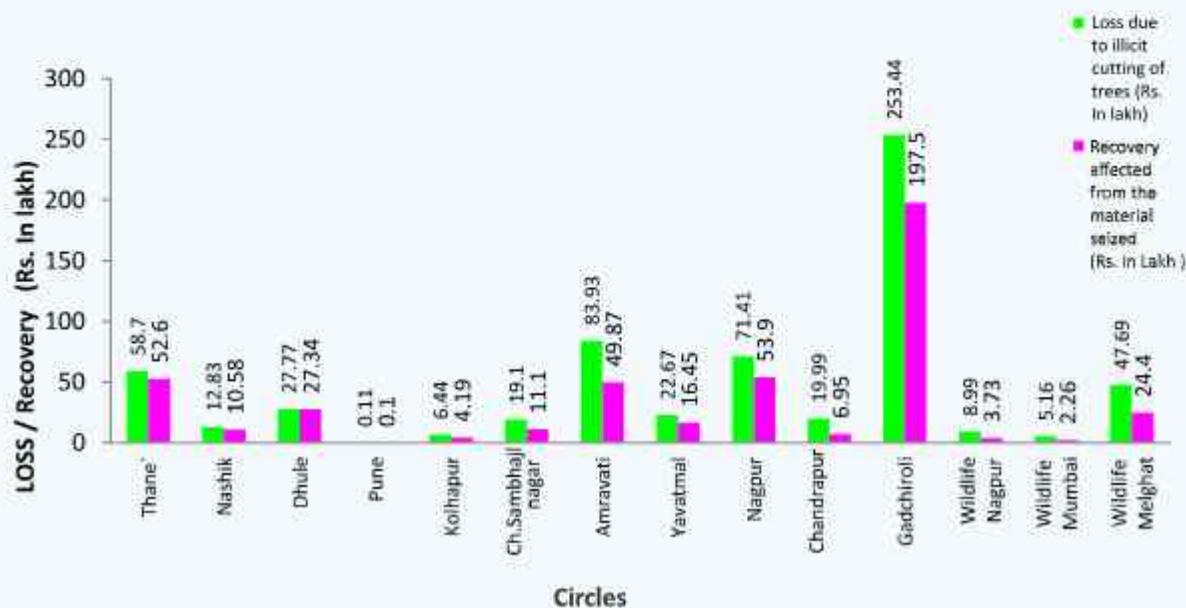
#### 2.2.5 Unauthorized felling and removal of Minor Forest Produce

The number of offences pertaining to unauthorized felling decreased by about 15.60% during the year 2022-23 as compared to that of previous year. Details regarding illicit cutting of trees, their losses and recovery etc during the year is given below.

**TABLE - 11****ILLICIT CUTTING IN STATE OWNED GOVERNMENT FOREST DURING THE YEAR 2022-23**

Sr.No.	Circle	No. of trees illicitly cut	Loss due to illicit cutting of trees (Rs. In lakh)	Recovery affected from the material seized. (Rs. In lakh)	% of recovery to the loss incurred
1	Thane	16659	58.7	52.6	89.61
2	Nashik	690	12.83	10.58	82.46
3	Dhule	7216	27.77	27.34	98.45
4	Pune	36	0.11	0.1	90.91
5	Kolhapur	1361	6.44	4.19	65.06
6	Ch. Sambhajinagar	3148	19.1	11.1	58.12
7	Amravati	5484	83.93	49.87	59.42
8	Yavatmal	4786	22.67	16.45	72.56
9	Nagpur	9420	71.41	53.9	75.48
10	Chandrapur	5462	19.99	6.95	34.77
11	Gadchiroli	14664	253.44	197.5	77.93
12	Wildlife Nagpur	1449	8.99	3.73	41.49
13	Wildlife Mumbai	633	5.16	2.26	43.80
14	Wildlife Melghat	2218	47.69	24.4	51.16
<b>Total M.S 2022-23</b>		<b>73226</b>	<b>638.23</b>	<b>460.97</b>	<b>72.23</b>
<b>2021-22</b>		<b>78490</b>	<b>654.84</b>	<b>521.83</b>	<b>79.69</b>

Source-APCCF (Protection)

**ILLICIT CUTTING IN STATE OWNED GOVERNMENT FOREST**

### 2.3.1 Unauthorized grazing in Govt. Forest Area.

Measures to prevent injury to forest including grazing in closed coupe of forest areas were rigidly enforced. In some of the areas, the protection of forest was provided by barbed wire fencing and by digging of trench cum mounds. Cattles found grazing unauthorizedly in forest areas were impounded.

An area of 31967.58 sq.km. was closed to grazing during the year 2022-23. There were 930 cases registered of unauthorized grazing during the year under report.

**TABLE - 12**

#### **GRAZING IN GOVERNMENT FORESTS**

Sr. No.	Type of grazing	No. of cattle admitted (Nos. in lakh)		Value at full rates (Rs. in lakh)
		Year	No.	
1	Grazing on payment at full rates	2022-23	3.46	3.84
		2021-22	4.14	4.72
2	Grazing at privileged rates	2022-23	0.00	0.00
		2021-22	0.01	0.01
3	Grazing by right under settlement	2022-23	0.00	0.00
		2021-22	0.18	2.50
4	During pleasure of Govt. or otherwise other than under settlement	2022-23	0.00	0.00
		2021-22	0.00	0.00
<b>Total</b>		2022-23	3.46	3.84
		2021-22	4.32	7.22

### 2.3.2 Creation of Vigilance Units

The incidence of illicit cutting as well as encroachment on forest lands have increased because of day to day growing demands for forest land, their rising prices and the population pressure, threatening the very existence of forests. The need for establishing special vigilance organization exclusively to look after the protection of forests and to exercise control on forest offences was keenly felt. A vigilance cell was, therefore, created in the year 1981-82 for monitoring & pursuing follow-up action to control forest offences.

2.3.3 The working of Mobile Squad and Check Nakas is shown in the Table -13

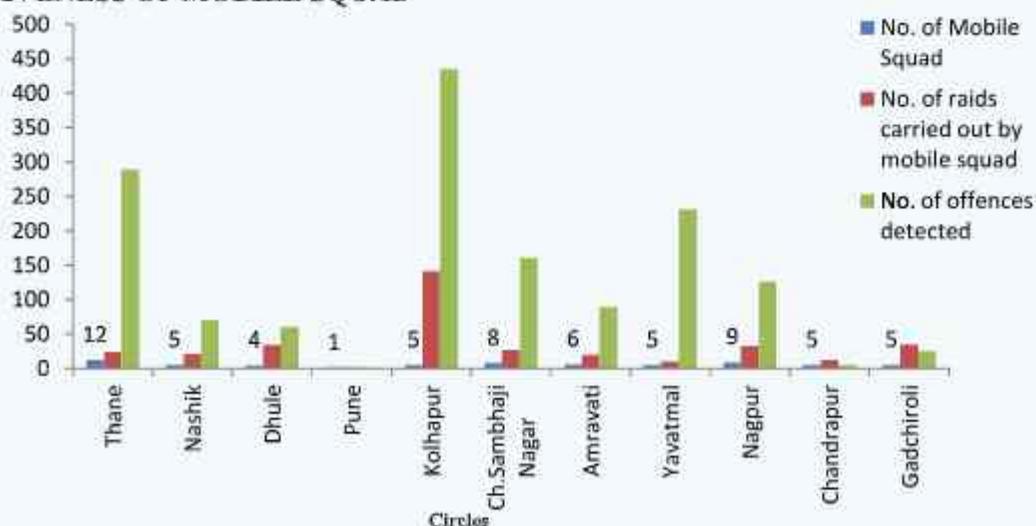
**TABLE - 13**

**WORKING OF MOBILE SQUADS AND CHECK NAKAS FOR THE YEAR 2022-23**

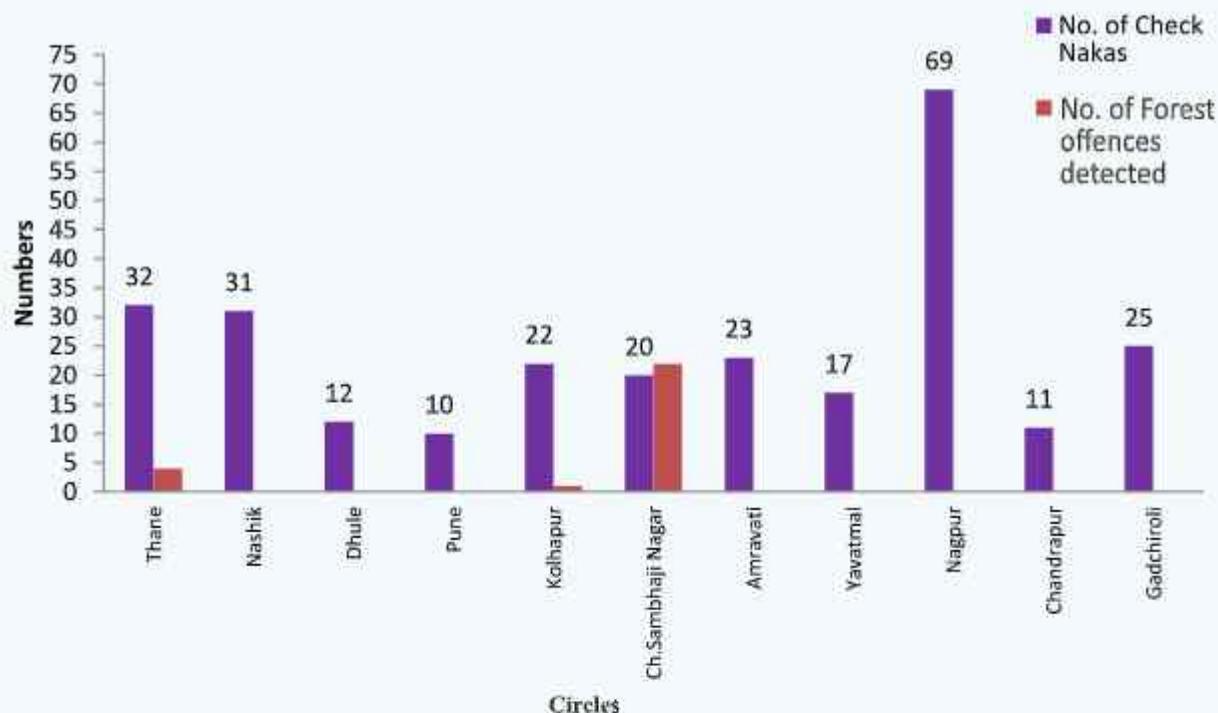
Sr. No.	Item	Thane	Nashik	Dhule	Pune	Kolhapur	Ch.Sambhaji nagar	Amravati	Yavatmal	Nagpur	Chandrapur	Gadchiroli	Total
<b>A. Mobile Squads</b>													
1	No.of Mobile squad	12	5	4	1	5	8	6	5	9	5	5	65
2	No. of raids carried out by mobile squad.	24	21	34	1	141	27	20	10	33	12	35	358
3	Exp. Incurred on maintenance (Rs. in lakh)	40	206	135	0	5.8	4.4	27.67	222	5.9	2.2	2.6	651.434
4	No. of offences detected	289	70	60	1	435	161	89	231	126	5	25	1492
5	Value of compensation (Royalty) recovered or levied in respect of offences (Rs. in lakh)	73	0.4	44	8.5	27	1.8	36.11	4.3	2.7	0.1	4.3	201.303
<b>B. Check Nakas</b>													
1	No. of Check Nakas	32	31	12	10	22	20	23	17	69	11	25	272
2	No. of forest offences detected	4	0	0	0	1	22	0	0	0	0	0	27
3	Value of compensation (Royalty) recovered or levied in respect of offences (Rs. in lakh)	0.3	0	0.00	0	0	0	0	0	0	0	0	0.28

Source - CCF(T) & CF(T) All

**EFFECTIVENESS OF MOBILE SQUAD**



## WORKING OF CHECK NAKAS



**TABLE - 14**

### WIRELESS NETWORK IN FOREST DEPARTMENT

Sr. No.	Circle	Base Station	Repeater Station	Wireless set on vehicle	Walkie Talkie	PDA /Smart Phone
1	Thane	0	0	0	0	1181
2	Nashik	0	0	0	0	515
3	Dhule	40	1	18	35	615
4	Pune	0	0	0	0	350
5	Kolhapur	0	0	0	0	579
6	Ch. Sambhajinagar	0	0	0	0	612
7	Amravati	23	2	10	56	539
8	Yavatmal	0	0	0	0	489
9	Nagpur	13	1	5	0	1140
10	Chandrapur	0	0	0	0	357
11	Gadchiroli	0	0	0	0	869
12	Nagpur WL	62	7	59	353	447
13	Mumbai WL	60	8	22	146	562
14	Meghat WL	100	6	38	392	347
<b>Total</b>		<b>298</b>	<b>25</b>	<b>152</b>	<b>982</b>	<b>8602</b>

Source- APCCF (Protection)

## 2.3.4

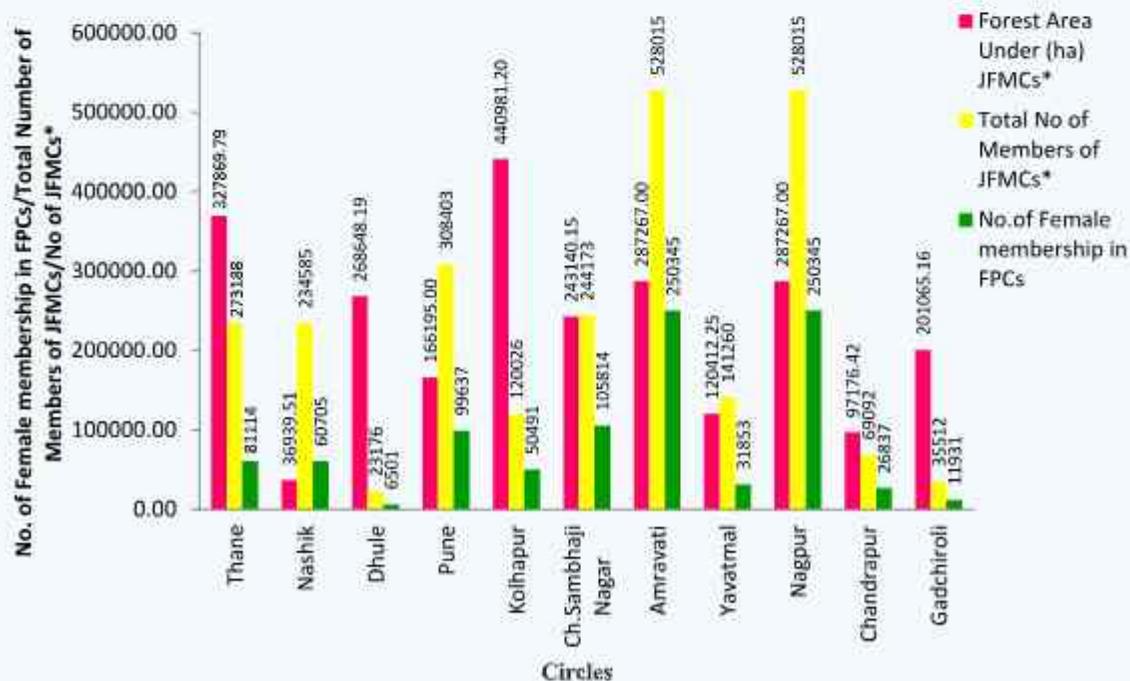
TABLE - 15

INFORMATION REGARDING JOINT FOREST MANAGEMENT COMMITTEES  
YEAR FOR THE 2022-23

Sr.No.	Circle	No. of JFMCs*	No of Members of JFMCs*	Forest Area Under (ha) JFMCs*	Total no of JFMCs registered under Society Act 1860	No.of Female membership in FPCs
1	Thane	1619	273188	327869.79	944	81114
2	Nashik	1297	234585	36939.51	251	60705
3	Dhule	893	23176	268648.19	326	6501
4	Pune	1094	308403	166195.00	99	99637
5	Kolhapur	1498	120026	440981.20	94	50491
6	Ch. Sambhajinagar	1218	244173	243140.15	372	105814
7	Amravati	1200	528015	287267.00	147	250345
8	Yavatmal	807	141260	120412.25	172	31853
9	Nagpur	1200	528015	287267.00	213	250345
10	Chandrapur	443	69092	97176.42	188	26837
11	Gadchiroli	698	35512	201065.16	308	11931
<b>Total M.S 2022-23</b>		<b>11967</b>	<b>2505445</b>	<b>2476961.67</b>	<b>3114</b>	<b>975573</b>

Source-APCCF (Budget Planning and Development) \* JFMCs-Joint Forest Management Committees

## WOMEN REPRESENTATION IN JOINT FOREST MANAGEMENT COMMITTEES



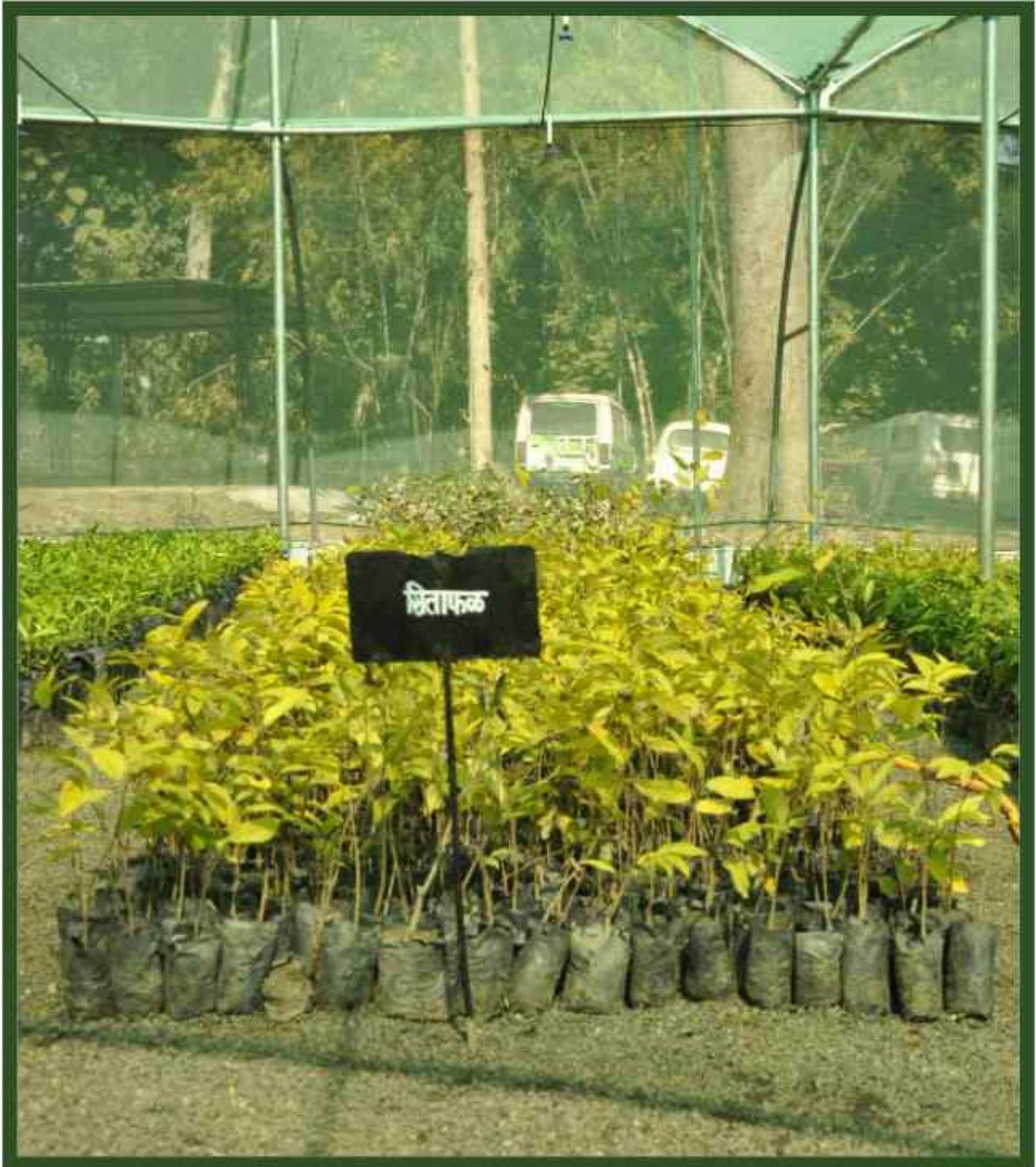


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## CHAPTER - 3

# SILVICULTURE

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## CHAPTER - III

# Silviculture

### 3.1 System of Management:

3.1.1 An area of 45547.07 Sq.Km. was brought under sanctioned Working Plan during 2022-23. Out of this, an area of 17397.66 Sq.Km. was under working plan operation during the year 2022-23. The broad break- up of the area under operation according to silvicultural system is as below.

**TABLE - 16**  
**FOREST AREA AS PER SILVICULTURAL SYSTEM**

*(Area in Sq. Km.)*

Sr.No.	Silviculture System	Total Area
1	Selection cum Improvement Working Circle	1102.12
2	Improvement Working Circle.	1338.48
3	Afforestation Working Circle	881.66
4	Soil & Moisture Conservation Cum AWC	30.02
5	Plantation Management Cum AWC	24.33
6	Old Teak Plantation Working Circle	37.72
7	Teak Plantation Working Circle	44.39
8	Grass and Fodder Working Circle	2356.62
9	Other Working Circle	11582.32
	<b>Total</b>	<b>17397.66</b>

*Source-CP (WP) East Nagpur*

### 3.2 General progress of Regeneration of the forest

3.2.1 During the year 2022-23 the forest area artificially regenerated and afforested was 18163.68 ha. and 215.451 lakhs seedlings were planted under various plan schemes, plantation of teak, bamboo & mixed species were undertaken. The circle-wise details of area regenerated and afforested during the year under report are summarized in Table 17.

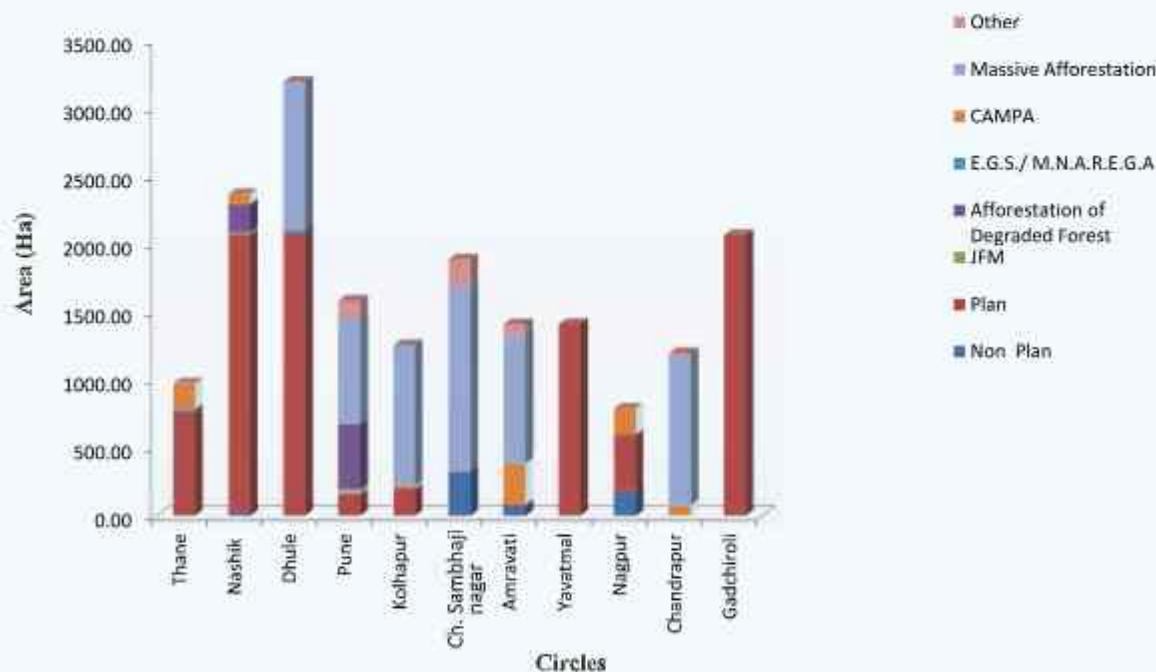
3.2.2 The programme of afforestation & soil conservation was undertaken as plan activity of the Department. Under this programme the barren and denuded areas were tackled by undertaking soil conservation works & by planting indigenous species.

**TABLE - 17**

**PROGRESS OF REGENERATION AND AFFORESTATION UNDER VARIOUS SCHEMES**

Circle	Area artificially regenerated and afforested								
	Plan and other Activities (Area in Ha.)								
	Non Plan	Plan	JFM	Afforestation of Degraded Forest	E.G.S./ M.N.A.R.E.G.A	CAMPA	Massive Afforestation	Other	Total area of Plantation
Thane	0.00	762.00	0.00	0.00	20.00	189.00	0.00	5.00	976.00
Nashik	26.00	2053.00	10.00	206.00	0.00	74.74	0.00	0.00	2369.74
Dhule	0.00	2081.85	0.00	0.00	20.00	0.00	1096.00	0.00	3197.85
Pune	0.00	161.00	33.20	478.90	0.00	0.00	774.00	139.00	1586.10
Kolhapur	0.00	202.50	0.00	0.00	0.00	16.83	1038.00	0.00	1257.33
Ch.Sambhajinagar	319.66	0.00	5.50	0.00	0.00	0.00	1367.00	197.58	1889.74
Amravati	67.50	0.00	0.00	11.00	0.00	304.71	940.00	90.00	1413.21
Yavatmal	0.00	1415.00	0.00	0.00	0.00	0.00	0.00	0.00	1415.00
Nagpur	173.00	426.00	0.00	0.00	0.00	190.03	0.00	0.00	789.03
Chandrapur	0.00	0.00	0.00	0.00	0.00	78.30	1095.00	25.00	1198.30
Gadchiroli	0.00	2071.38	0.00	0.00	0.00	0.00	0.00	0.00	2071.38
<b>Total</b>	<b>586.16</b>	<b>9172.73</b>	<b>48.70</b>	<b>695.90</b>	<b>40.00</b>	<b>853.61</b>	<b>6310.00</b>	<b>456.58</b>	<b>18163.68</b>

**PLANTATION AREA UNDER VARIOUS SCHEMES (Area in Ha)**

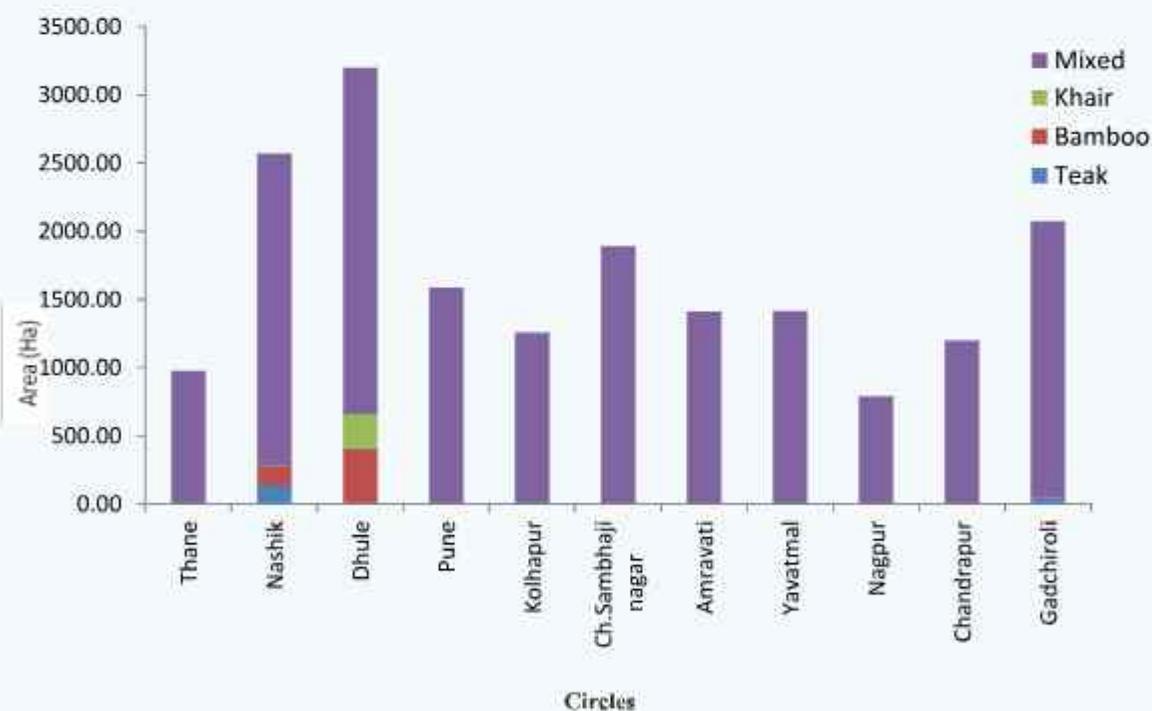


3.2.3 The total expenditure on Plantation and Afforestation under all activities was Rs. 15400.27 lakh on forest account (i.e. Plan & Non plan) and Rs.276.89 lakh on the other account i.e. Employment Guarantee Scheme, CAMPA etc.

3.3 The broad breakup of area planted and afforested under various programmes according to species is given in the following Table 18.

**TABLE - 18****SPECIES-WISE BREAKUP OF THE AREA PLANTED AND AFFORESTED IN FOREST CIRCLES UNDER ALL ACTIVITIES DURING THE YEAR 2022-23***(Area in Ha)*

Circle	Teak	Bamboo	Khair	Mixed	Total
Thane	0.00	0.00	0.00	976.00	976.00
Nashik	140.00	144.00	0.00	2285.74	2569.74
Dhule	0.00	403.00	251.00	2543.85	3197.85
Pune	0.00	0.00	0.00	1586.10	1586.10
Kolhapur	0.00	0.00	0.00	1257.33	1257.33
Ch. Sambhajinagar	0.00	0.00	0.00	1889.74	1889.74
Amravati	0.00	0.00	0.00	1413.21	1413.21
Yavatmal	0.00	0.00	0.00	1415.00	1415.00
Nagpur	0.00	0.00	0.00	789.03	789.03
Chandrapur	0.00	0.00	0.00	1198.30	1198.30
Gadchiroli	40.00	0.00	0.00	2031.38	2071.38
<b>Total</b>	<b>180.00</b>	<b>547.00</b>	<b>251.00</b>	<b>17385.68</b>	<b>18363.68</b>

**SPECIES - WISE PLANTATION****3.4 Implementation of 20-Point Programme**

In 20-Point Programme, the point No. 16 is a tree plantation programme, implemented mostly through Forest Department, Forest Development Corporation of Maharashtra Ltd. & Social Forestry. The targets and achievements of area planted by the Forest Department, FDCM and Social Forestry during 2022- 23 were as under.

**TABLE - 19****TARGET AND ACHIEVEMENT UNDER 20-POINT PROGRAMME***(Area in ha., Amount Rs. in lakh)*

Circle	Target	Achievement	
	Physical	Physical	Financial
Thane	976.00	976.00	431.93
Nashik	2369.74	2369.74	2018.64
Dhule	3197.85	3197.85	2400.15
Pune	1586.10	1586.10	1731.09
Kolhapur	1257.33	1257.33	1331.80
Ch. Sambhajinagar	1889.74	1889.74	2604.81
Amravati	1413.21	1413.21	1379.99
Yavatmal	1415.00	1415.00	1735.01
Nagpur	789.03	789.03	613.20
Chandrapur	1898.27	1198.30	696.55
Gadchiroli	2074.33	2071.38	733.99
<b>Total</b>	<b>18866.6</b>	<b>18163.677</b>	<b>15677.16</b>
FDCM	2573.221	2523.221	2545.32
Social Forestry	5715.100 Ha	5556.950 Ha	21322.19
	6488.940 Km	6477.610 Km	

*Source-20-point Programme Report***3.5 Vanmahotsava**

The "Vanmahotsava" was observed throughout the state during the year under report. The Forest Department supplied seedlings for planting to public bodies, institutions and private individuals. The forest personnel also took part in the celebration of Vanmahotsava. Importance of tree planting and trees protection was stressed through publicity. The supply of seedlings from various circles is given below.

**TABLE - 20****SEEDLING SUPPLIED DURING VANMOHOTSAV**

Circle	No. of Seedlings Supplied
Thane	173052
Nashik	42973
Dhule	195950
Pune	435810
Kolhapur	500361
Ch. Sambhajinagar	662694
Amravati	1321913
Yavatmal	151876
Nagpur	218715
Chandrapur	80762
Gadchiroli	169684
SFD	5089000
<b>Total</b>	<b>9042790</b>

### 3.6 Forest Tanks

**TABLE - 21**

**FOREST TANKS (Under Employment Guarantee Scheme) DURING THE YEAR 2022-23**

Name of Circle	No. of Forest Tanks	Total Expenditure incurred (Rs. in lakh )
Thane	2	2.72
Kolhapur	2	0.68
Amravati	4	2.83
Nagpur	31	302.96
Gadchiroli	11	69.22
<b>Total</b>	<b>50</b>	<b>378.41</b>

*Source-APCCF (Budget, Planning Development)M.S. Nagpur*



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## CHAPTER - 4

# HARVESTING OF FOREST PRODUCE

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## CHAPTER - IV

# HARVESTING OF FOREST PRODUCE

### 4.1 System of Exploitation

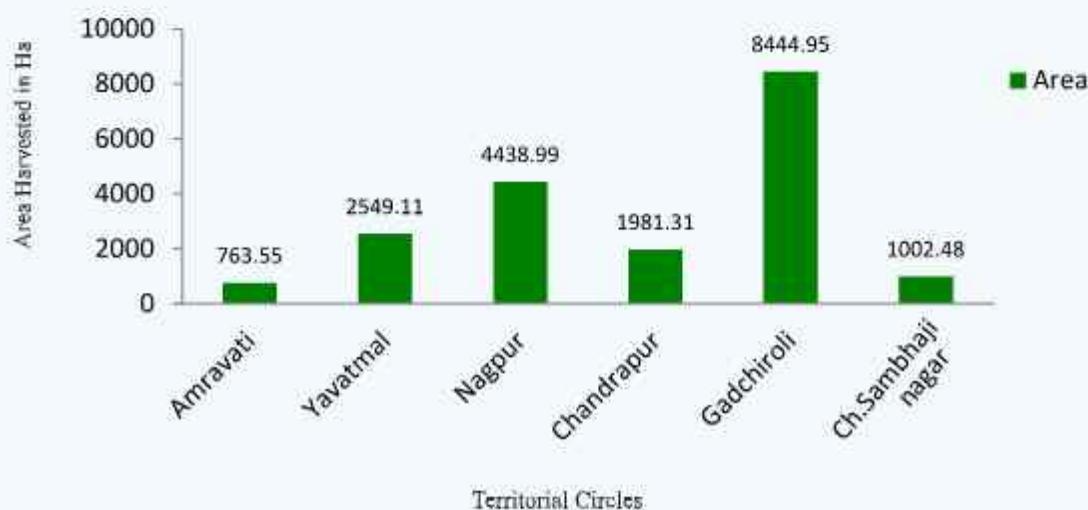
4.1.1 The exploitation of forest areas in charge of Forest Department was generally regulated as per prescriptions of sanctioned Working Plan. During the year 2022-23 an area of 191.80 Sq.Kms was harvested during the year under report. The circle wise details of forest area worked during the year 2022-23 are given below.

**TABLE - 22**  
**FOREST AREA HARVESTED**

(Area in Ha.)

Sr.No	Circle	Area	
		Target	Achievement
1	Amravati	763.55	763.55
2	Yavatmal	2549.11	2549.11
3	Nagpur	4438.99	4438.99
4	Chandrapur	2512.83	1981.31
5	Gadchiroli	9968.84	8444.95
6	Ch.Sambhajinagar	1024.98	1002.48
<b>Total 2022-23</b>		<b>21258.30</b>	<b>19180.39</b>

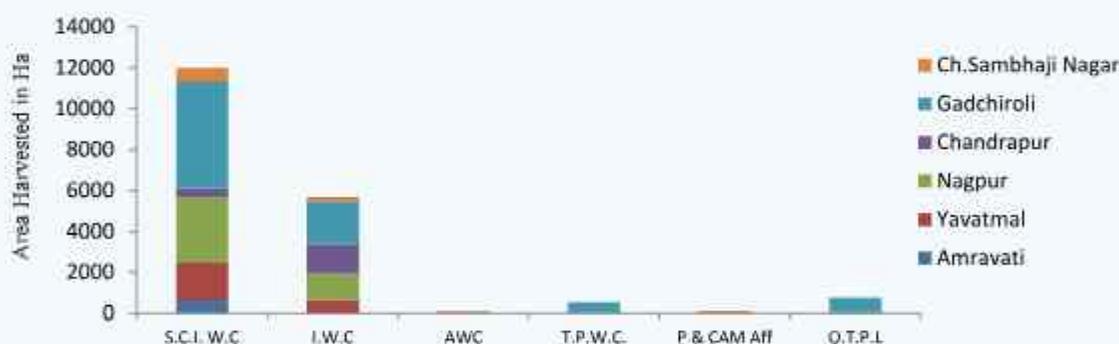
### FOREST AREA HARVESTED



**TABLE - 23****FOREST AREA HARVESTED ACCORDING TO SILVICULTURAL SYSTEM**

Circle	Silvicultural System (Area in Ha)						TOTAL
	S.C.I.W.C	I.W.C	AWC	T.P.W.C.	P & CAM Aff	O.T.P.L	
Amravati	633.7	24	0	105.85	0	0	<b>763.55</b>
Yavatmal	1847.35	632.56	69.2	0	0	0	<b>2549.11</b>
Nagpur	3168.04	1270.95	0	0	0	0	<b>4438.99</b>
Chandrapur	441.85	1468.46	4	0	0	67	<b>1981.31</b>
Gadchiroli	5248.28	2078.7	0	431.35	0	686.62	<b>8444.95</b>
Ch. Sambhajinagar	658.15	200.33	0	0	144	0	<b>1002.48</b>
<b>Total</b>	<b>11997.4</b>	<b>5675</b>	<b>73.2</b>	<b>537.2</b>	<b>144</b>	<b>753.6</b>	<b>19180.39</b>

*"Source-CF(WP) East Nagpur"*

**FOREST AREA HARVESTES ACCORDING TO SILVICULTURAL SYSTEM****4.1.2 Harvesting and disposal of Minor Forest Produce.**

Harvesting and disposal of Minor Forest Produce except bidi leaves was done by leasing of areas containing the particular forest produce by sale of units or on rated passes. Bamboos were extracted by the Department, the paper mills as well as other agencies from areas due for annual harvesting. The extraction and trade in bidi leaves is regulated by the State on the basis of monopoly trade and disposal.

Minor forest produce areas belonging to Tribal Sub Plan were allotted to the Tribal Development Corporation of Maharashtra Ltd. for collection and sale of Gum, Hirda, Moha Flowers & Fruits. The objective of assignment of Tribal Sub Plan areas to Tribal Development Corporation of Maharashtra Ltd. is to give proper wages of collection and to improve living standard of Tribals.

**4.2.1 Agency of working of Coupes**

The Forest areas were harvested for timber, fuel and other Minor Forest Produce through the agencies of the Forest Department and Forest Labourer's Co-operative Societies. The Rights and Privilege holders and Free Grantees also removed forest produce from forest areas. The agency of forest contractors was eliminated from exploitation of forest areas.

Total 253 coupes were worked by Forest Labourer's Co-operative Societies during the year under report. The circle wise detail of coupes worked by Forest Labourer's Co-operative Societies is given in Chapter No. IX of this booklet.

4.2.2 Harvesting agency-wise the out-turn of major forest produce and its value is summarized in Table 24.

**TABLE - 24**  
**AGENCY WISE OUTTURN OF MAJOR FOREST PRODUCE AND ITS VALUE**

Sr. No.	Agency of Exploitation	Timber		Firewood		M.F.P.
		Quantity ('000 Cu.M)	Value (Rs. in lakh)	Quantity ('000' Cu.M)	Value (Rs. in lakh)	Value (Rs. in lakh)
1	Forest Dept.	52.14	28418.70	29.32	1347.74	1844.09
2	F.L.C.S./ Purchaser	43.45	11676.40	56.84	2094.77	7218.67
3	Free grants / BILT	0	0	0	0	0
4	Rights and Privileges	0	0	0.84	11.3	117.04
	<b>TOTAL 2022-23</b>	<b>95.59</b>	<b>40095.10</b>	<b>87.00</b>	<b>3453.81</b>	<b>9179.80</b>
	<b>2021-22</b>	<b>86.99</b>	<b>34418.03</b>	<b>72.42</b>	<b>3809.87</b>	<b>7251.74</b>

Source - CCF(T) & CF(T) All

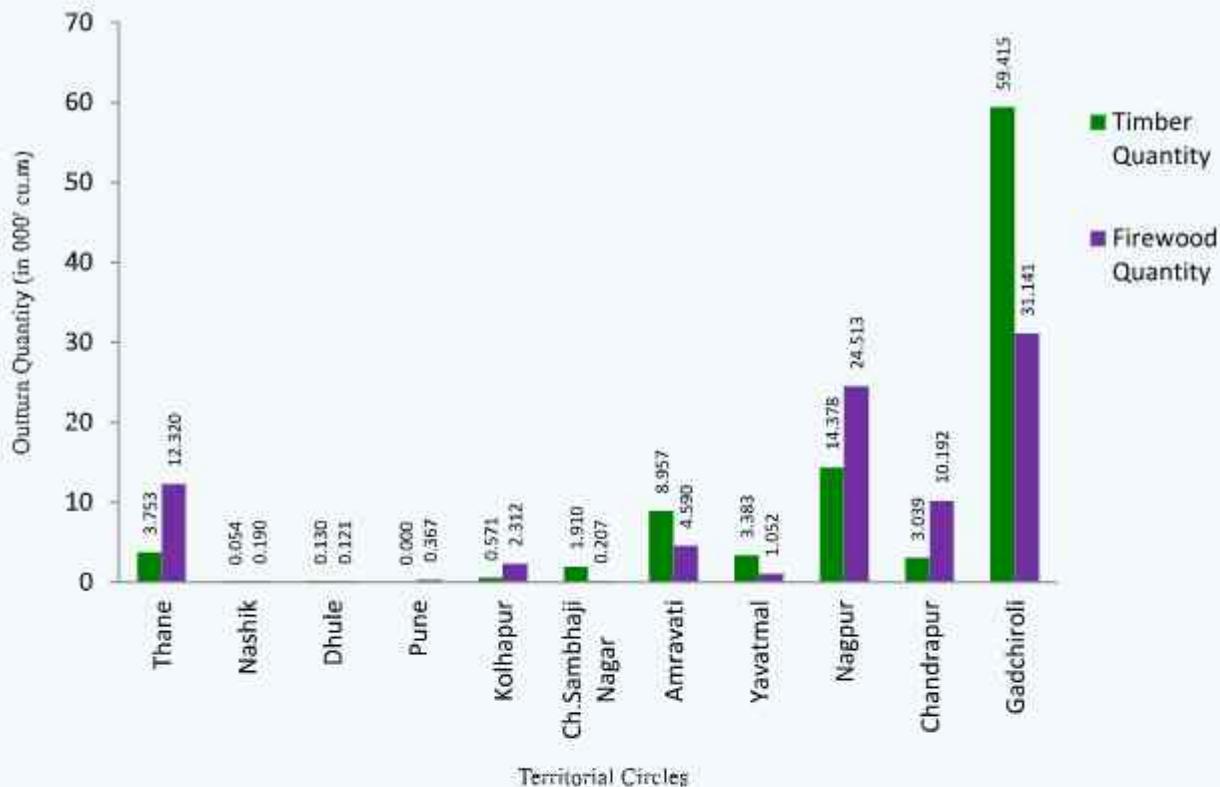
4.2.3 The Circle-wise outturn of major Forest Produce harvested by all agencies combined during the year 2022-23 is presented in Table 25.

**TABLE - 25**  
**CIRCLE-WISE OUTTURN OF MAJOR FOREST PRODUCE**

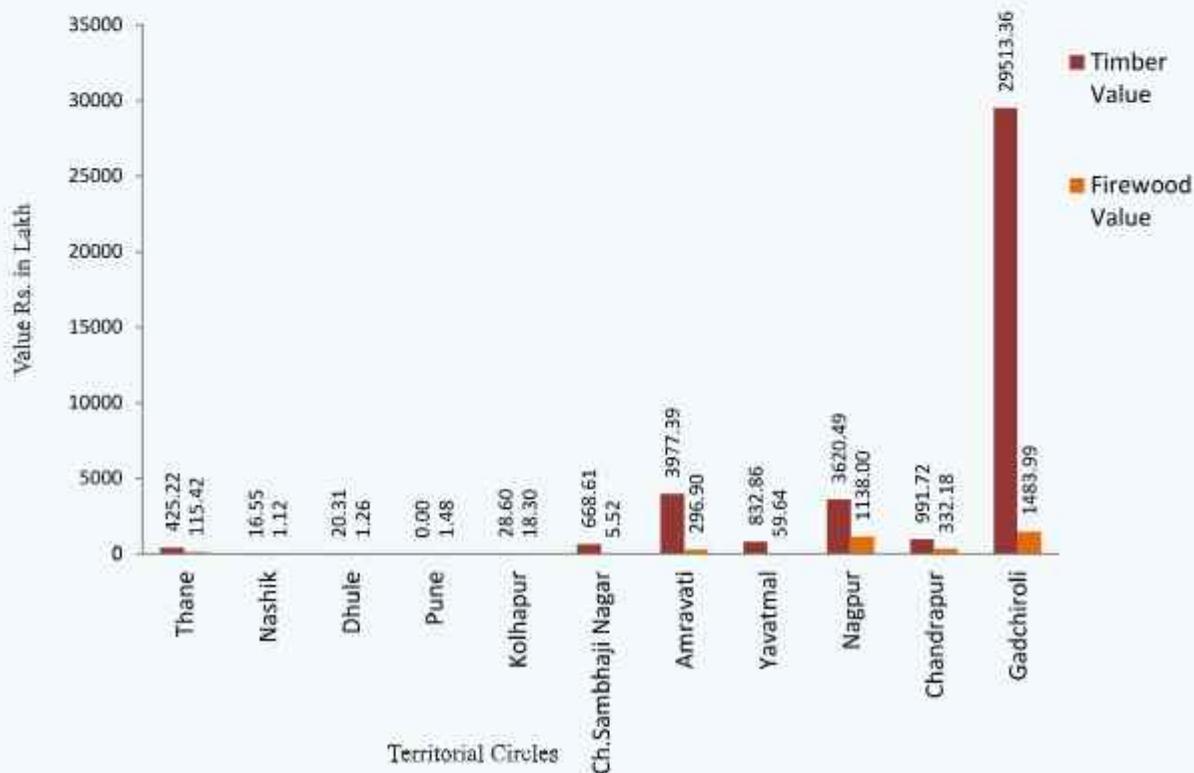
Sr. No.	Circle	Timber		Firewood	
		Quantity (in 000' Cu.M).	Value (Rs. in Lakh)	Quantity (in 000' Cu.M.)	Value (Rs. in Lakh)
1	Thane	3.753	425.22	12.320	115.42
2	Nashik	0.054	16.55	0.190	1.12
3	Dhule	0.130	20.31	0.121	1.26
4	Pune	0.000	0.00	0.367	1.48
5	Kolhapur	0.571	28.60	2.312	18.30
6	Ch. Sambhajinagar	1.910	668.61	0.207	5.52
7	Amravati	8.957	3977.39	4.590	296.90
8	Yavatmal	3.383	832.86	1.052	59.64
9	Nagpur	14.378	3620.49	24.513	1138.00
10	Chandrapur	3.039	991.72	10.192	332.18
11	Gadchiroli	59.415	29513.36	31.141	1483.99
	<b>Total- 2022-23</b>	<b>95.589</b>	<b>40095.11</b>	<b>87.005</b>	<b>3453.81</b>

Source CCF(T) & CF(T) All

### CIRCLE - WISE OUTTURN OF MAJOR FOREST PRODUCE QUANTITY



### CIRCLE - WISE OUTTURN OF MAJOR FOREST PRODUCE VALUE



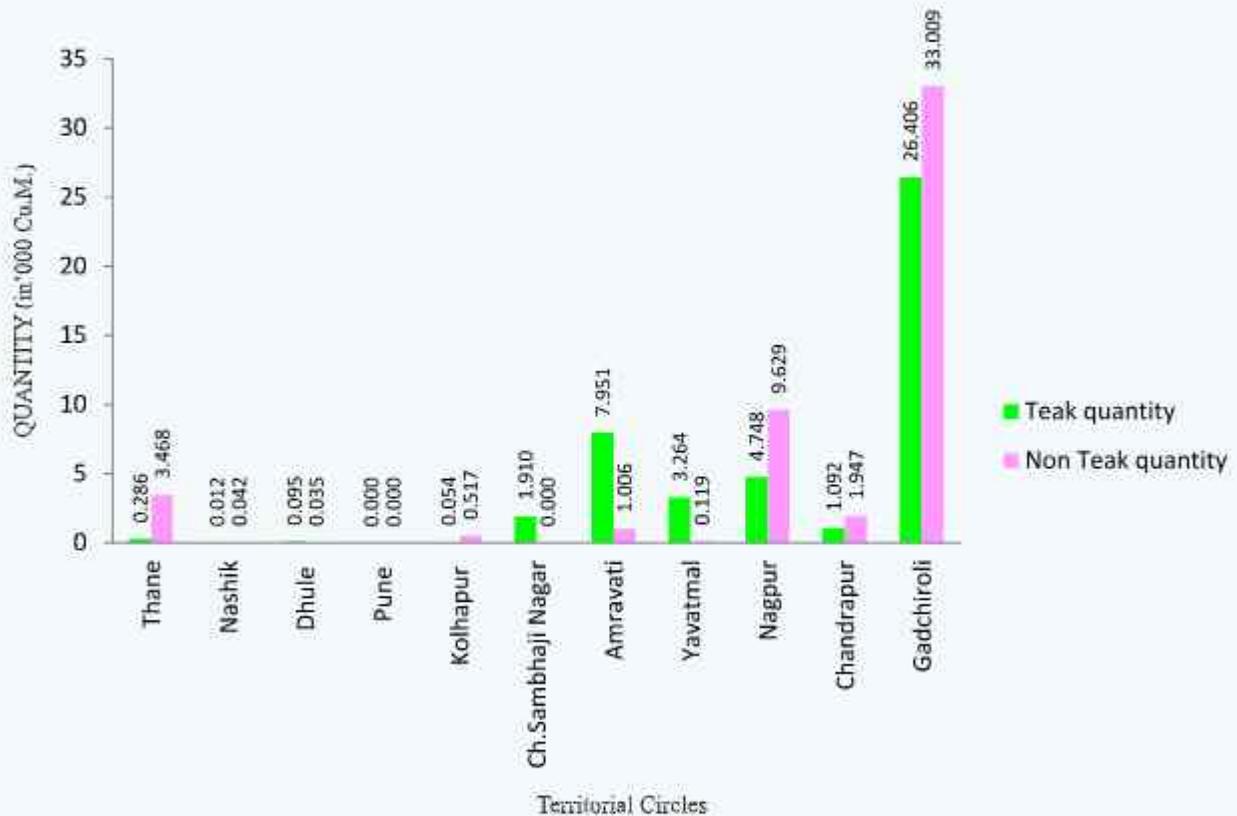
**TABLE - 26****OUTTURN OF MAJOR FOREST PRODUCE (TEAK/NON-TEAK) FOR THE YEAR 2022-23**

Sr. No.	CIRCLE	Kind	QUANTITY (in '000 Cu.M.)	VALUE (Rs. in Lakh)
1	Thane	Teak	0.286	130.29
		Non Teak	3.468	294.92
		<b>Total</b>	<b>3.753</b>	<b>425.22</b>
2	Nashik	Teak	0.012	4.41
		Non Teak	0.042	12.14
		<b>Total</b>	<b>0.054</b>	<b>16.55</b>
3	Dhule	Teak	0.095	18.15
		Non Teak	0.035	2.16
		<b>Total</b>	<b>0.130</b>	<b>20.31</b>
4	Pune	Teak	0.000	0.00
		Non Teak	0.000	0.00
		<b>Total</b>	<b>0.000</b>	<b>0.00</b>
5	Kolhapur	Teak	0.054	4.10
		Non Teak	0.517	24.50
		<b>Total</b>	<b>0.571</b>	<b>28.60</b>
6	Ch. Sambhajinagar	Teak	1.910	668.61
		Non Teak	0.000	0.00
		<b>Total</b>	<b>1.910</b>	<b>668.61</b>
7	Amravati	Teak	7.951	3897.61
		Non Teak	1.006	79.78
		<b>Total</b>	<b>8.957</b>	<b>3977.39</b>
8	Yavatmal	Teak	3.264	830.42
		Non Teak	0.119	2.43
		<b>Total</b>	<b>3.383</b>	<b>832.86</b>
9	Nagpur	Teak	4.748	2232.75
		Non Teak	9.629	1387.74
		<b>Total</b>	<b>14.378</b>	<b>3620.49</b>
10	Chandrapur	Teak	1.092	766.97
		Non Teak	1.947	224.75
		<b>Total</b>	<b>3.039</b>	<b>991.72</b>

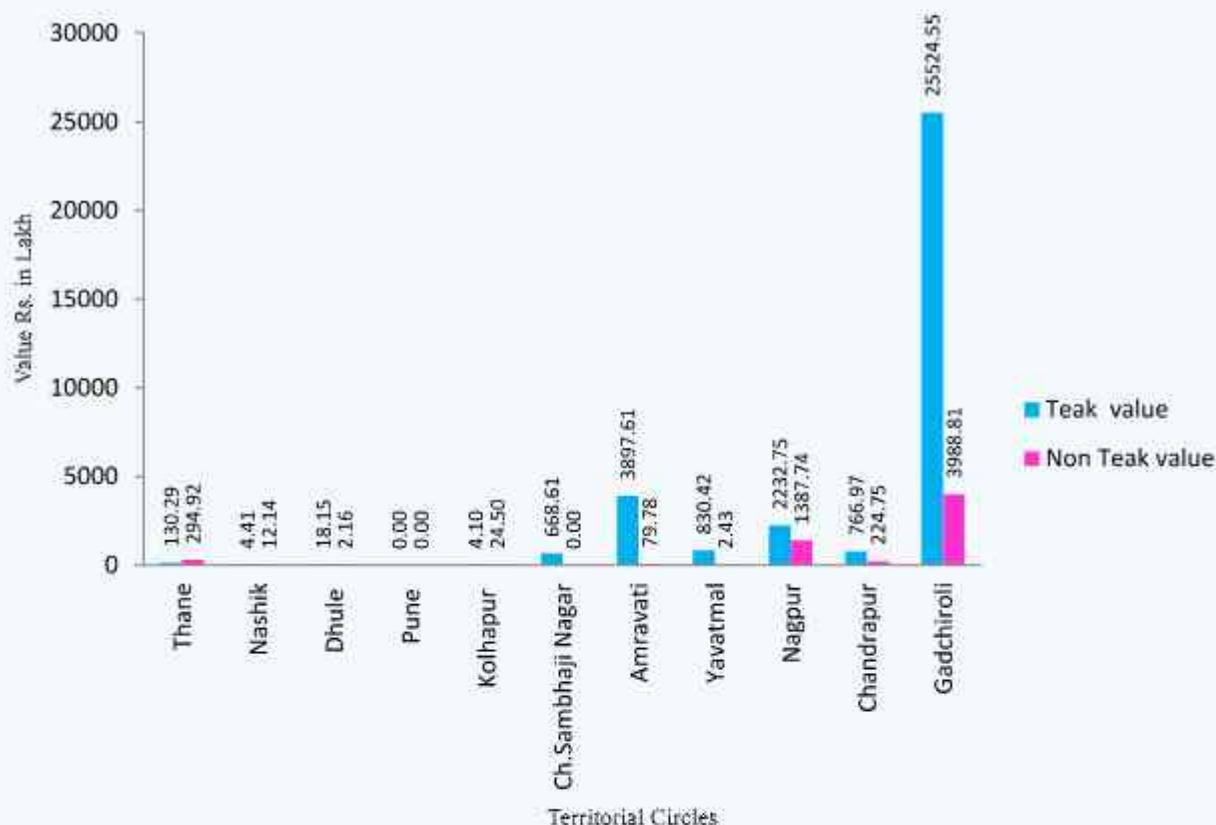
Sr. No.	CIRCLE	Kind	QUANTITY (in '000 Cu.M.)	VALUE (Rs. in Lakh)
11	Gadchiroli	Teak	26.406	25524.55
		Non Teak	33.009	3988.81
		<b>Total</b>	<b>59.415</b>	<b>29513.36</b>
<b>Total Maharashtra State</b>		<b>Teak</b>	<b>45.818</b>	<b>34077.86</b>
		<b>Non Teak</b>	<b>49.771</b>	<b>6017.24</b>
		<b>Total</b>	<b>95.589</b>	<b>40095.11</b>

Source - CCF(T) & CP(T) All

### CIRCLE - WISE PRODUCTION OF TEAK AND NON TEAK QUANTITY



## CIRCLE - WISE PRODUCTION OF TEAK AND NON TEAK VALUE

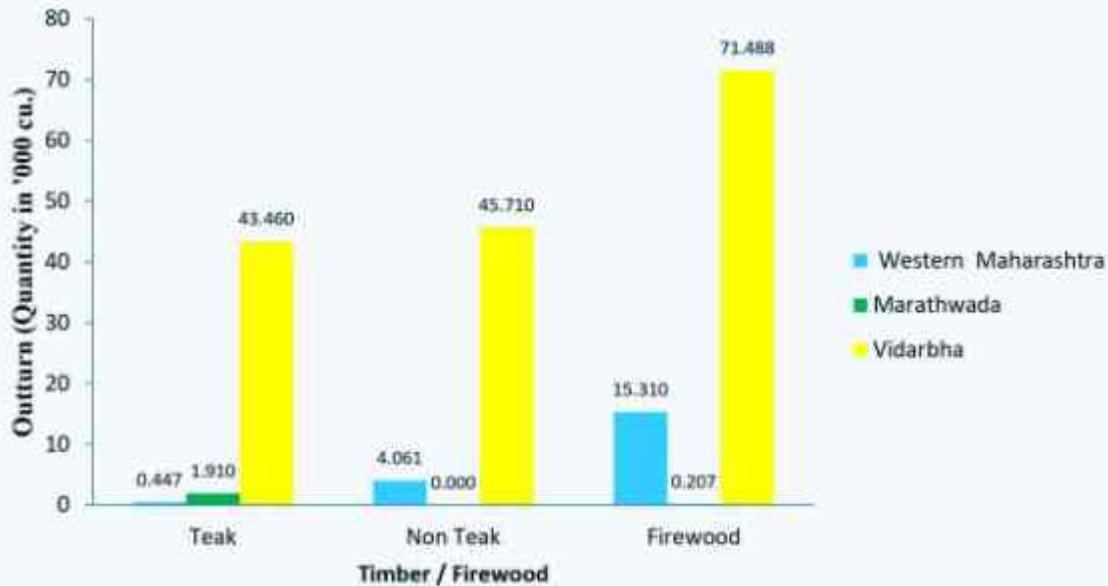


**TABLE - 27**

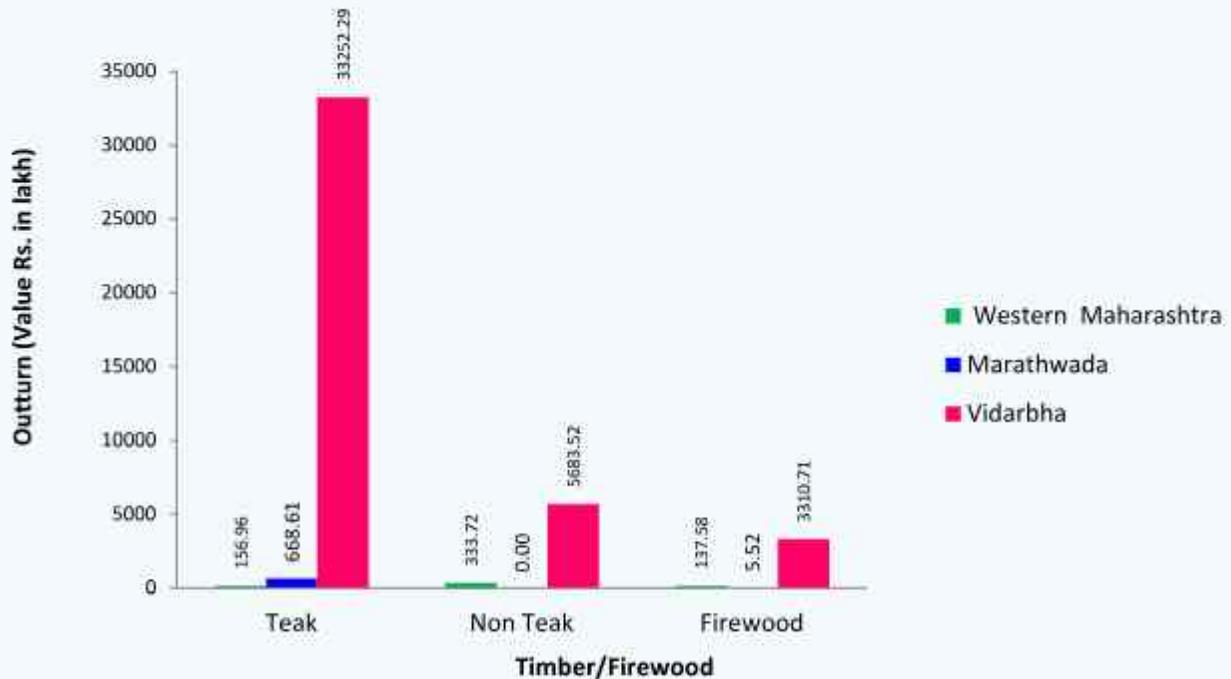
### REGION-WISE OUTTURN OF MAJOR FOREST PRODUCE FOR THE YEAR 2022-23

Sr. No.	REGION	Kind	TIMBER		FIREWOOD	
			Quantity (in '000 cu m)	Value (Rs.in lakh)	Quantity (in '000 cu m)	Value (Rs. in lakh)
1	Western Maharashtra	Teak	0.447	156.96	15.310	137.58
		Non Teak	4.061	333.72		
		<b>Total</b>	<b>4.508</b>	<b>490.682</b>		
2	Marathwada	Teak	1.910	668.61	0.207	5.52
		Non Teak	0.000	0.00		
		<b>Total</b>	<b>1.910</b>	<b>668.607</b>		
3	Vidarbha	Teak	43.460	33252.29	71.488	3310.71
		Non Teak	45.710	5683.52		
		<b>Total</b>	<b>89.171</b>	<b>38935.817</b>		
Total Maharashtra State		Teak	45.818	34077.86	87.005	3453.81
		Non Teak	49.771	6017.24		
		<b>Total</b>	<b>95.589</b>	<b>40095.11</b>		

## REGION - WISE OUTTURN OF MAJOR FOREST PRODUCE QUANTITY



## REGION - WISE OUTTURN OF MAJOR FOREST PRODUCE VALUE

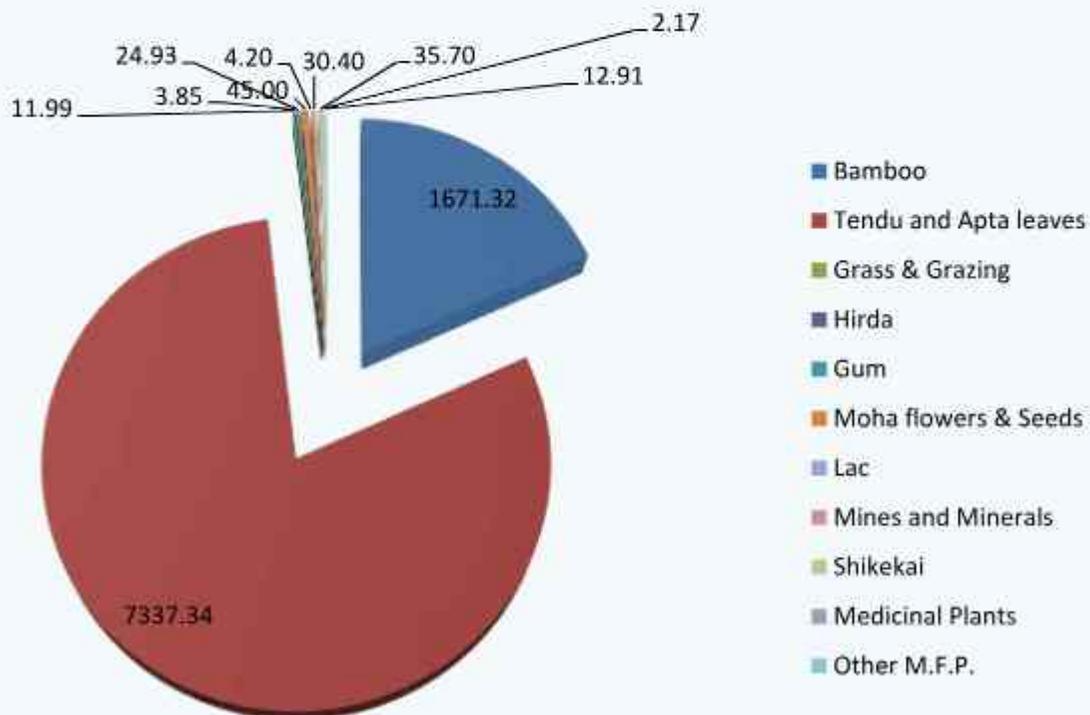


### 4.2.4 Outturn of Minor Forest Produce

The total value of minor forest produce during 2022-23 was Rs. 9179.81 lakh. The value of outturn of important items of minor forest produce is as under.

**TABLE - 28****OUTTURN OF MINOR FOREST PRODUCE-(In terms of value) IMPORTANT ITEMS**

Sr. No.	Items	Value Rs. in lakh
1	Bamboo	1671.32
2	Tendu and Apta leaves	7337.34
3	Grass & Grazing	11.99
4	Hirda	3.85
5	Gum	24.93
6	Moha flowers & Seeds	45.00
7	Lac	4.20
8	Mines and Minerals	30.40
9	Shikekai	35.70
10	Medicinal Plants	2.17
11	Other M.F.P.	12.91
	<b>Total</b>	<b>9179.81</b>

**OUTTURN OF MINOR FOREST PRODUCE**

The outturn of some of the important Minor Forest Produce collected during the year 2022-23 is given in Table 29.

**TABLE - 29**

**REGION-WISE OUTTURN OF MAJOR FOREST PRODUCE FOR THE YEAR 2022-23**

Sr.No.	Items	Unit	Quantity		Value ( Rs. in Lakh)	
			2022-23	2021-22	2022-23	2021-22
1	Bamboo	M.T.	100495	23509	1671.32	1589.95
2	Tendu & Apta leaves	Std. bag	261215	241791	7337.34	5494.76
3	Grass & Grazing	M.T.	1191	1031	11.99	14.58
4	Hirda	Qtl.	91	0	3.85	0.00
5	Gum	Qtl.	4184	2462	24.93	15.21
6	Moha Flowers, Moha Fruits & Seeds	Qtl.	1800	458	45.00	23.82
7	Lac	Qtl.	21	0	4.2	0

*Note: Quantities derived are approximate.*

**4.2.5 Prices**

The Prices obtained in auction through major Government Timber depots during the year 2022-23 & 2021-22 are shown in the table given below.

Sr.No.	Kind of Material	Year	Average Rates (Rs./Cu.m.)	
			Govt. Timber Depot.	
			Paratwada	Ballarshah
1	Teak Round Logs	2022-23	87296	131786
		2021-22	71091	114768
2	Ain Round Logs	2022-23	17130	17369
		2021-22	10872	22700
3	Bija Round Logs	2022-23	-	23015
		2021-22	-	35800
4	Adjat Round Logs (Sajad, haldoo, Sivam)	2022-23	9683	-
		2021-22	4325	-
5	Sisam Round Logs	2022-23	-	66680
		2021-22	-	146000
6	Other (Haldoo)	2022-23	31342	8051
		2021-22	26949	11563
7	Teak Poles	2022-23	-	1125
8	Non Teak Poles	2022-23	-	8051

**4.2.6** The forestry operations engaged large labour force for its varied activities and provided employment to villagers, especially tribals & weaker sections residing in or close to forest areas. A special attention was also given to socio-economic upliftment through tribal sub-plan schemes. The labourers were paid wages at prescribed rates fixed by wage boards and sanctioned by Government. Payment to labourers at sanctioned wage rates was ensured by the forest officers by spot enquiries & supervision. The broad assessment of labour employment during 2022-23 on various non-plan, plan and other activities of forest department is given in Table 30

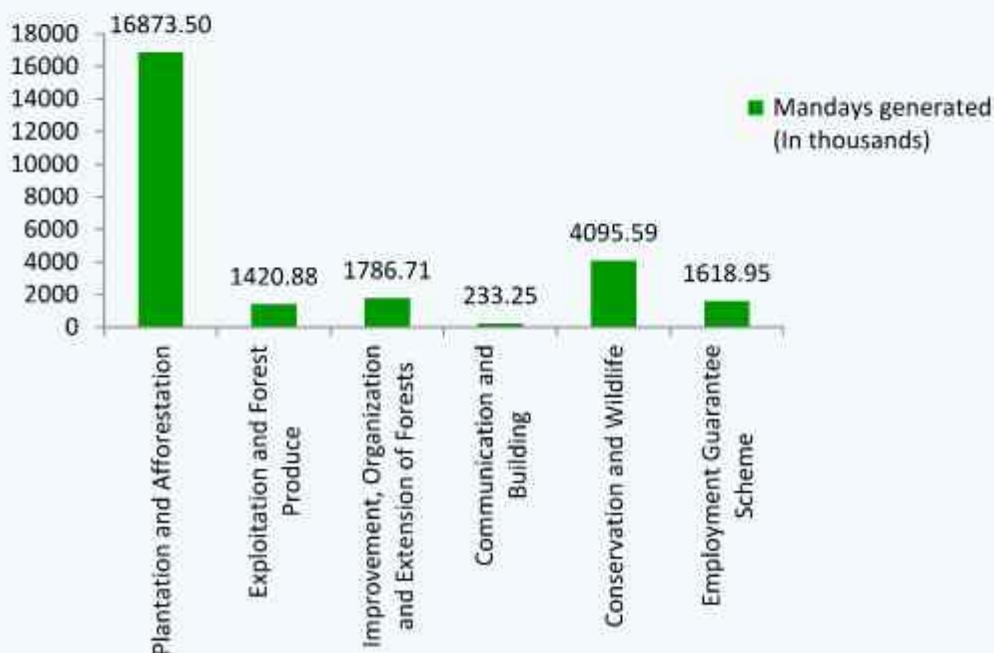
**TABLE - 30**  
**BROAD ASSESMENT OF LABOUR EMPLOYMENT**

(Provisional)

Sr. No.	Activity	Mandays generated (In thousand)	Wages Paid (In Lakhs)
1	Plantation and Afforestation	16873.50	74629.96
2	Exploitation and Forest Produce	1420.88	6270.90
3	Improvement, Organization and Extension of Forests	1786.71	7885.46
4	Communication and Building	233.25	1047.87
5	Conservation and Wildlife	4095.59	18096.64
6	Employment Guarantee Scheme	1618.95	4144.53
<b>Total 2022-23</b>		<b>26028.87</b>	<b>112075.37</b>
<b>2021-22</b>		<b>33776.42</b>	<b>129954.42</b>

(Source: - DCF (Resource Utilization) M.S. Nagpur)

**MANDAYS GENERATED**





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## CHAPTER - 5

# FOREST ENGINEERING

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## CHAPTER - V FOREST ENGINEERING

**5.1.1** An efficient system of Infrastructure development is essential for the proper development of forest and maximum utilization of their produce. Infrastructure, roads, bridges, residential and non residential buildings is required to be maintained and developed by the Forest Department. The works include construction of building for residential and non residential purposes, roads and bridges for facilitation of forest patrolling and transportation of forest produce and construction of wells, tanks, anicuts, sheds etc. were undertaken for the welfare of inhabitants in forest areas.

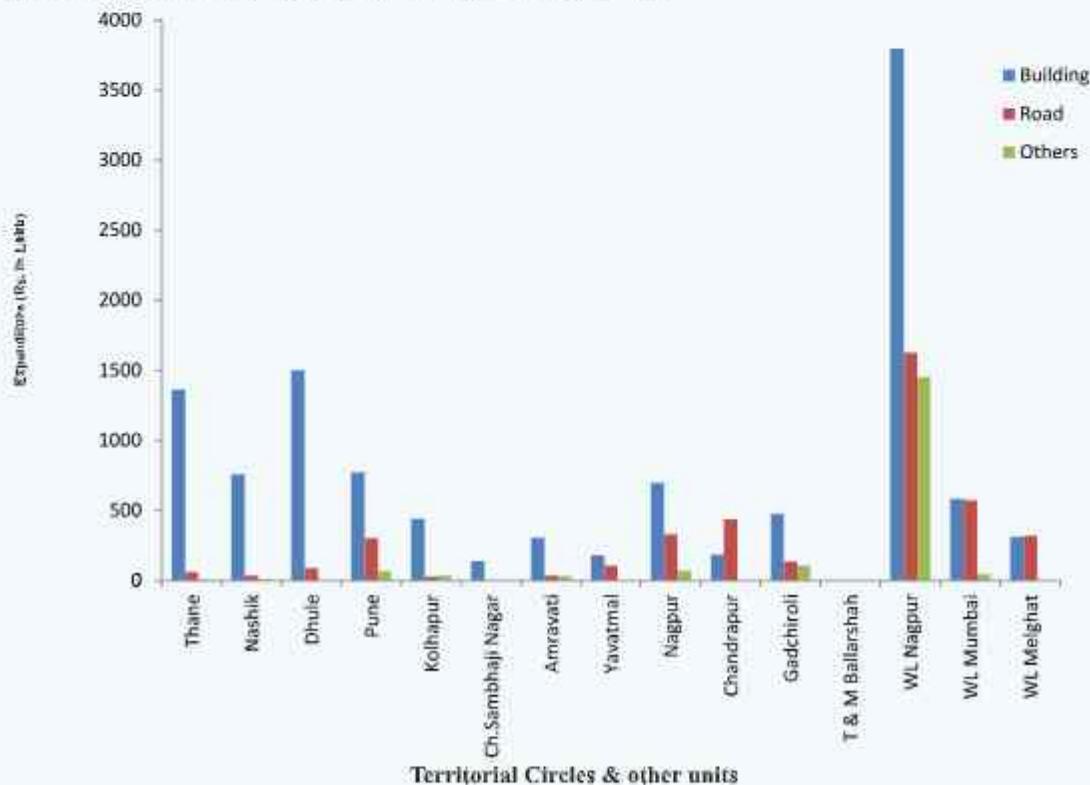
The plans and estimates of works were drawn by the Civil Engineering units. There were also some industrial units viz. Saw mills, Preservation and Treatment plants. Maintenance of large number of machineries, vehicles and equipment was attended by logging units of Forest Department. Operation and maintenance of these units is attended by the Mechanical Engineering personnels.

### 5.1.2 Civil Engineering

During the year under report, an expenditure of Rs 11511.03 lakh was incurred on construction of new buildings and repairs to old buildings. The construction of new roads and improvement and maintenance of old ones were undertaken at an estimated cost of Rs. 4081 lakh during the year under report. The cost of other works viz. bridges, anicuts, culverts, labour sheds etc. was Rs. 1820,40 lakh.

Circle wise details of expenditure incurred under various budget heads during the year is given in Table 31

### COMMUNICATION AND BUILDING - EXPENDITURE



**TABLE - 31**

**COMMUNICATION AND BUILDING -EXPENDITURE DURING THE YEAR 2022-23**

(Expenditure Rs. in lakh) (Provisional)

Circles	Thane	Nashik	Dhule	Fune	Kolhapur	Ch.Sambhajinagar	Aurangabad	Yavatmal	Nagpur	Chandrapur	Gadchiroli	T & M Balnasha	WL Nagpur	WL Mumbai	WL Melghat	TOTAL
Building	191.78	557.69	972.89	684.70	121.31	89.00	127.24	152.82	231.47	93.13	429.82	0.00	3419.42	397.08	0.00	7468.36
Road	0.00	0.00	0.00	49.26	0.00	0.00	0.00	0.00	134.42	338.55	106.70	0.00	695.99	149.97	0.00	1474.90
Others	0.00	0.00	0.00	67.43	0.00	0.00	0.00	0.00	0.00	0.00	106.70	0.00	684.09	38.59	0.00	896.81
<b>Total "A"</b>	<b>191.78</b>	<b>557.69</b>	<b>972.89</b>	<b>801.39</b>	<b>121.31</b>	<b>89.00</b>	<b>127.24</b>	<b>152.82</b>	<b>365.89</b>	<b>431.68</b>	<b>643.22</b>	<b>0.00</b>	<b>4799.51</b>	<b>585.64</b>	<b>0.00</b>	<b>9840.06</b>
B. Expenditure incurred on Repair works																
Building	1170.33	199.35	527.73	88.13	321.44	48.46	178.08	28.72	465.40	92.49	46.84	0.00	376.64	186.23	312.83	4042.67
Road	60.30	35.58	91.47	255.44	26.86	0.00	33.36	104.93	195.07	98.75	29.73	0.00	929.99	423.22	321.40	2606.10
Others	4.99	9.78	0.00	0.00	34.25	0.00	32.21	0.00	70.00	0.00	0.00	0.00	766.57	5.79	0.00	923.59
<b>Total "B"</b>	<b>1235.62</b>	<b>244.71</b>	<b>619.20</b>	<b>343.57</b>	<b>382.54</b>	<b>48.46</b>	<b>243.65</b>	<b>133.65</b>	<b>730.47</b>	<b>191.25</b>	<b>76.57</b>	<b>0.00</b>	<b>2073.21</b>	<b>615.24</b>	<b>634.23</b>	<b>7572.36</b>
<b>Total (A+B)</b>	<b>1427.40</b>	<b>802.40</b>	<b>1592.09</b>	<b>1144.96</b>	<b>503.85</b>	<b>137.46</b>	<b>370.89</b>	<b>286.47</b>	<b>1096.36</b>	<b>622.93</b>	<b>719.80</b>	<b>0.00</b>	<b>6872.71</b>	<b>1200.88</b>	<b>634.23</b>	<b>17412.43</b>

Source - APCCP(WL) & CCF(WL), CCF(T) & CF(T) All

5.1.3 The district-wise details of existing roads maintained in Forest Department are given in Table 32.

**TABLE - 32**  
**LENGTH OF FOREST ROADS (LENGTH IN KMS)**

S.No.	District	Surfaced			Unsurfaced	Total
		Water bound Macadam	Black topped	Cement Concrete		
1	Ahmednagar	3.782	6.103	0	176.451	186.336
2	Akola	36	3.7	0	96.1	135.8
3	Amaravati	1076.105	98.75	83	358.95	1616.805
4	Ch. Sambhajinagar	32.48	0.769	0	10.2	43.449
5	Beed	9.75	1.5	0.23	23.073	34.553
6	Bhandara	7.348	33.4	144.47	310.67	495.888
7	Buldhana	260.7	93.71	2	114.47	470.88
8	Chandrapur	481.37	101.59	1.1	1535.665	2119.725
9	Dhule	0	0.32	0	73.928	74.248
10	Gadchiroli	473.06	1	0	2537.147	3011.207
11	Gondia	197.32	355.7	348.7	196.48	1098.2
12	Hingoli	9.01	0	0	0	9.01
13	Jalgaon	125.305	31	0.28	137.85	294.435
14	Jalna	4.28	0	0	4.71	8.99
15	Kolhapur	94.459	0.359	0	15.825	110.643
16	Latur	0	0	0	0	0
17	Mumbai Sub urban	1.471	13.997	13.626	48.892	77.986
18	Nagpur	452.1	65.59	0	1992.65	2510.34
19	Nanded	221	6	0	0	227
20	Nandurbar	0	58	0	168.2	226.2
21	Nashik	58.4	44.1	0	68.431	170.931
22	Dharashiv	0	1.65	0	0	1.65
23	Palghar	45.351	7.585	0	46.444	99.38
24	Parbhani	8	0	0	0	8
25	Pune	34.713	26.04	4.589	28.61	93.952
26	Raigad	36.983	0.15	2.89	12.5	52.523
27	Ratnagiri	0.225	0	0	4.5	4.725
28	Sangli	38.59	15.769	2.4	40.686	97.445
29	Satara	71.805	29.326	0.5	73.34	174.971
30	Sindhudurg	3.245	2.4	0	1.42	7.065
31	Solapur	1.805	0	0	16.068	17.873
32	Thane	26.372	3.389	0	47.241	77.002

S.No.	District	Surfaced			Unsurfaced	Total
		Water bound Macadam	Black topped	Cement Concrete		
33	Wardha	130.4	14.2	0	672.54	817.14
34	Washim	73	11.15	0	119.2	203.35
35	Yavatmal	311.335	87.6	0	563.1	962.035
	<b>Grand Total</b>	<b>4325.764</b>	<b>1114.847</b>	<b>603.785</b>	<b>9495.341</b>	<b>15539.74</b>

Source-Desk-24 (F.E.) % PCCF M.S.Nagpur

5.1.4 Similarly there were large numbers of buildings maintained in the Forest Department. The circle wise details about existing buildings at the end of the year under report are as under.

**TABLE - 33**

**FOREST BUILDINGS IN CHARGE OF FOREST DEPARTMENT**

Sr. No.	Circle	Div. Offices	Range Offices	Forest Rest Houses	Inspection Huts	Residen. Quarters	Labour Sheds	Others	Total
1	Thane	4	51	11	14	699	42	215	1036
2	Nashik	8	38	18	20	341	79	210	714
3	Dhule	5	34	20	32	515	89	190	885
4	Punc	3	20	7	17	317	51	111	526
5	Kolhapur	5	27	23	19	307	79	181	641
6	Ch. Sambhajinagar	5	27	9	17	302	60	125	545
7	Amravati	4	26	6	26	475	86	144	767
8	Yavatmal	4	25	10	21	321	105	85	571
9	Nagpur	4	49	24	44	860	76	200	1257
10	Chandrapur	3	20	10	26	400	74	124	657
11	Gadchiroli	4	40	11	56	906	133	428	1578
12	Edn.& Res.Pune	10	7	3	8	343	19	88	478
13	Nagpur Wildlife	7	27	12	16	456	63	774	1355
14	Mumbai Wildlife	8	31	42	65	420	111	587	1264
15	Melghat MTP Wildlife	6	24	27	16	604	103	413	1193
16	T & M Ballarshah	1	6	1	0	158	32	24	222
	<b>TOTAL</b>	<b>81</b>	<b>452</b>	<b>234</b>	<b>397</b>	<b>7424</b>	<b>1202</b>	<b>3899</b>	<b>13689</b>

Source-Desk-24 (F.E.) % PCCF M.S.Nagpur

## 5.2 INDUSTRIAL UNIT

### 5.2.1 Saw Mill

The performance of Govt. Saw mills and circle-wise number of licensed saw mills is given below.

**TABLE - 34**  
**PERFORMANCE OF GOVERNMENT SAW MILLS**

Location of Saw Mill	Circle	Division	Intake		Outturn (Sawn Timber)	
			No.s	(M <sup>3</sup> )	No.s	(M <sup>3</sup> )
Allapalli	Gadchiroli	Allapalli	0	0	0	0
Yervada Jail, Pune	Pune	Pune	0	42.536	0	31.936
Ch. Sambhajinagar	Ch. Sambhajinagar	Ch. Sambhajinagar	0	10.198	0	0.96
Thane Central	Thane	Thane	0	17.597	0	10.868
Kolhapur Central	Kolhapur	Kolhapur	0	17.908	0	4.721

Source-APCCP (Protection)

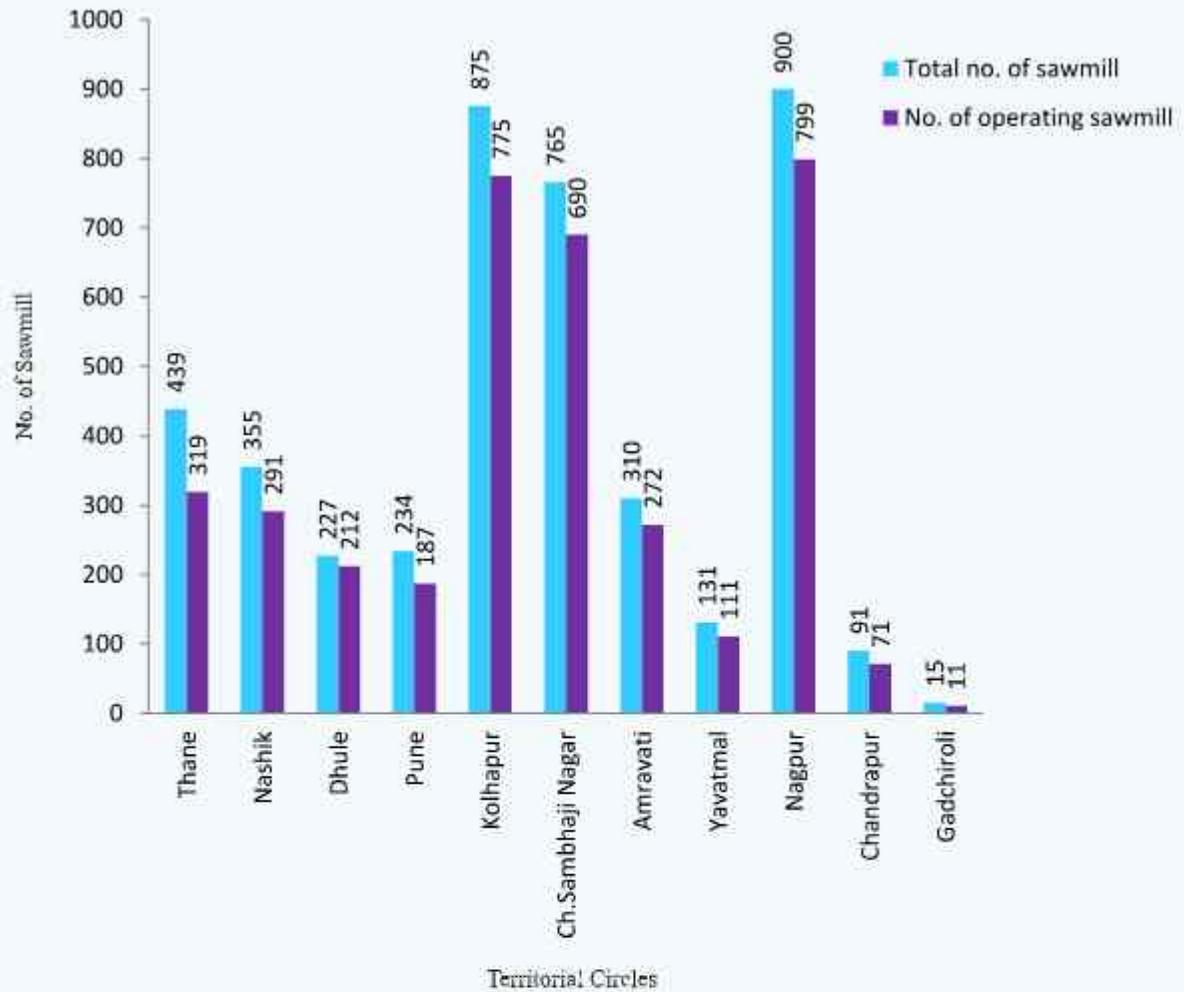
In this Saw mill material received from private parties is being cut on commercial basis.

**TABLE - 35**  
**CIRCLE-WISE LICENSED SAW MILLS**

Sr. No.	Circle	Total no. of Licensed sawmills (I.D. issued)	Application received for renewal of sawmill Licensed	Renewal rejected	Renewal application pending	No. of operating licensed sawmill (4-(5+6))
1	2	3	4	5	6	7
1	Thane	439	339	19	1	319
2	Nashik	355	294	0	3	291
3	Dhule	227	217	4	1	212
4	Pune	234	200	7	6	187
5	Kolhapur	875	787	8	4	775
6	Ch. Sambhajinagar	765	703	11	2	690
7	Amravati	310	280	7	1	272
8	Yavatmal	131	111	0	0	111
9	Nagpur	900	824	20	5	799
10	Chandrapur	91	73	2	0	71
11	Gadchiroli	15	11	0	0	11
	<b>Total</b>	<b>4342</b>	<b>3839</b>	<b>78</b>	<b>23</b>	<b>3738</b>

Source-APCCP (Protection)

## SAWMILL (REGISTERED VS. UNREGISTERED)



### 5.3 Machinery & Vehicles

There were various types of vehicles i.e. Trucks, Jeeps, Cars and Motor and other machineries etc. in use by Forest Department. The Circlewise information is given in Table 36.

**TABLE - 36**

**VEHICLES AND MACHINERIES IN FOREST DEPARTMENT**

Sr No.	Vehicle / Machinery	Thane	Nashik	Dhule	Pune	Kolhapur	Ch.Sambhajinagar	Amravati	Yavatmal	Nagpur	Chandrapur	Gadchiroli	Balharshah	Wildlife Nagpur	Wildlife Mumbai	SFD Pune	R.T, Pune	Working Plan Nagpur	Working Plan Pune	Mangrove	Evaluation	PCCF Office	Bamboo board	APCCF & MD Nagpur	APCCF & MD Ecotourism	CCT Maharashtra	State Zoo Authority	TOTAL
1	Car	24	3	6	2	4	3	3	1	5	4	8	1	3	13	28	7	5	7	1	1	21	2	2	1	1	1	154
2	Patroling Car	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Gypsy & Jeep	105	53	66	38	70	61	60	65	73	42	77	2	109	76	149	15	8	10	7	12	8	0	0	0	0	1	1107
4	Truck	2	0	0	0	0	0	3	1	4	0	1	14	1	1	0	0	0	0	0	0	0	0	0	0	0	0	27
5	Mini Truck	1	6	2	0	0	1	6	3	8	3	7	0	12	6	0	0	0	0	0	0	0	0	0	0	0	0	55
6	Bus	0	0	0	0	0	0	1	0	1	0	0	0	0	5	0	6	0	0	0	0	0	0	0	0	0	0	13
7	Mini bus	0	0	1	0	0	0	1	1	0	2	2	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	19
8	Tractor	0	1	2	1	0	0	14	0	5	10	26	12	19	11	8	0	0	0	0	0	0	0	0	0	0	0	109
9	Tractor Trolley	0	0	1	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
10	Canter	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5
11	Paddleboat/ Speedboat	3	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	5	0	0	0	0	0	0	0	46
12	Pick up Van	0	0	1	0	0	0	2	0	12	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	28
13	Water Tanker	0	0	1	0	0	0	2	2	6	6	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
14	Cru-Cab	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Rescue Van	4	0	0	0	2	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	9
16	Motor Cycle	0	0	0	0	16	0	4	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	45
17	Tempo	1	0	0	0	1	0	0	0	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	6
18	Ambulance	0	0	0	0	1	0	0	1	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
19	Road Roller	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Trailer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	JCB	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	Poke line Machine	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1

Source-PCCF (P&M)



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## CHAPTER - 6

# FINANCIAL RESULTS

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## CHAPTER - VI FINANCIAL RESULTS

6.1.1 The receipt of Forest Revenue during the year 2022-23 was Rs. 116.79 crores (Provisional). The total expenditure incurred during the year 2022-23 was Rs 4102.27 crores. There was a increase in expenditure by 0.63% as compared to last year expenditure and decrease in forest revenue by 5.91% over that of previous year.

The comparative position of the Revenue & the expenditure for the year 2022-23 and 2021- 22 is indicated in the table given below.

**TABLE - 37**  
**NET REVENUE & EXPENDITURE OF THE FOREST DEPARTMENT**

(In number)

Year	Revenue	Expenditure			Surplus or deficit of Revenue	
		Non - plan including grant to Z.P.	Plan & Other activities ( i.e. Western Ghat, I.S.R.V.P. excluding E.G.S.)	Total	Over Non-plan expenditure	Over Total Expenditure
2022-23	116.79	2245.10	1857.17	4102.27	(-)2128.31	(-) 3985.48
2021-22	124.13	2100.39	1976.2	4076.59	(-)1976.26	(-) 3952.46

The details of revenue and expenditure of various circles are as shown below

**TABLE - 38**  
**CIRCLEWISE REVENUE & EXPENDITURE (Rs. in lakh)**

Circle	Revenue	Expenditure		
		Non Plan	Plan & related Activities	Total
Thane	274	15821	3084	18906
Nashik	106	9973	10418	20390
Dhule	112	10071	5767	15839
Pune	82	7984	7621	15605
Kolhapur	452	9377	11037	20415
Ch. Sambhajinagar	130	12345	24551	36895
Amravati	1425	10022	5609	15631
Yavatmal	1265	9804	12273	22077
Nagpur	1695	20400	5334	25734
Chandrapur	626	11949	12903	24852
Gadchiroli	4132	16256	6625	22881

Circle	Revenue	Expenditure		
		Non Plan	Plan & related Activities	Total
APCCF WL Nagpur	1026	7987	9660	17647
APCCF WL Mumbai	168	7087	11737	18824
CCF MTP Amravati	12	4757	3726	8483
SFD	107	18674	36760	55434
T & M Ballarshah	5	1758	0	1758
Other Units	63	50245	18612	68857
<b>Total</b>	<b>11679</b>	<b>224510</b>	<b>185716</b>	<b>410227</b>

## 6.2 Revenue

6.2.1 The details of increase or decrease in Revenue in 2022-23 over previous year are Indicated below

**TABLE - 39**

**CHANGE IN FOREST REVENUE IN 2022-23 OVER 2021-22 (Rs.in lakh)**

Sr.No	Circle	Revenue		Increased (+) or decreased (-) in Forest Revenue in 2022-23 over 2021-22
		2022-23	2021-22	
1	Thane	274.44	722.24	(-) 447.80
2	Nashik	106.00	112.78	(-) 6.78
3	Dhule	111.61	82.78	(+) 28.83
4	Pune	81.98	180.79	(-) 98.81
5	Kolhapur	451.97	552.26	(-) 100.29
6	Ch. Sambhajinagar	129.71	134.51	(-) 4.80
7	Amravati	1425.00	5539.78	(-) 4114.78
8	Yavatmal	1265.39	503.57	(+) 761.82
9	Nagpur	1695.38	1041.24	(+) 654.14
10	Chandrapur	626.07	150.29	(+) 475.78
11	Gadchiroli	4132.35	2686.63	(+) 1445.72
12	Other units	1374.99	699.83	(+) 675.16
13	T & M Ballarshah	4.56	6.71	(-) 2.15
	<b>Total</b>	<b>11679.45</b>	<b>12413.41</b>	<b>(-) 733.96</b>

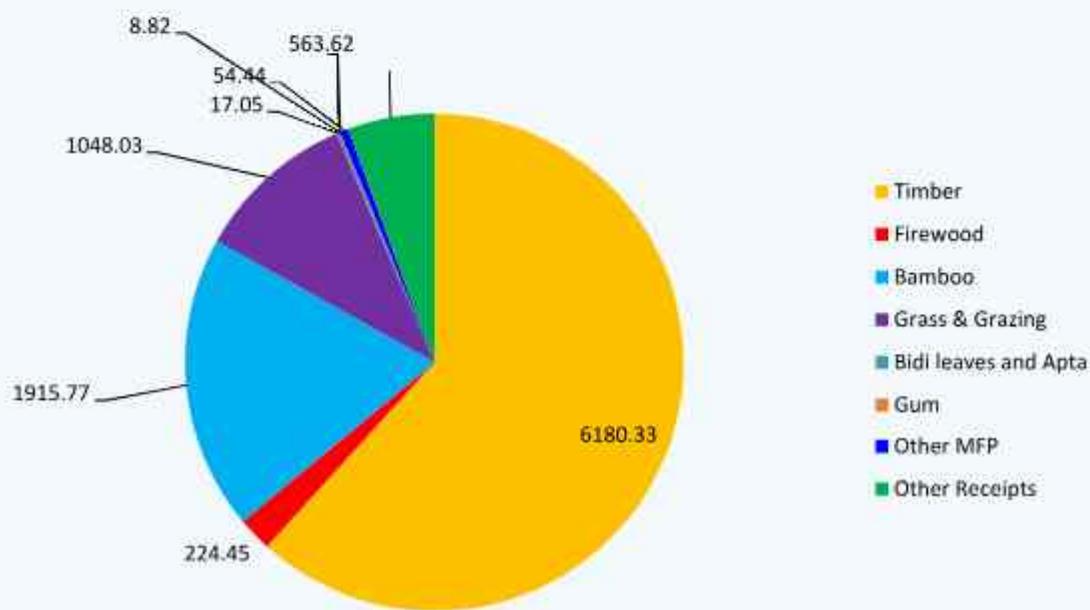
6.2.2 The main sources of forest revenue were timber, bidi leaves, bamboo, & firewood. The source-wise composition of forest revenue is given in Table 40.

**TABLE - 40**  
**COMPOSITION OF FOREST REVENUE BY SOURCES YEAR-2022-23**

Sr.No	Source	Revenue (Rs.in lakh)	Percentage to Total Revenue
1	Timber	6180.33	52.92
2	Firewood	224.45	1.92
3	Bamboo	1915.77	16.40
4	Grass & Grazing	1048.03	8.97
5	Bidi leaves and Apta	17.05	0.15
6	Gum	8.82	0.08
7	Other MFP	54.44	0.47
8	Other Receipts	563.62	4.83
9	Others	1666.92	14.27
	<b>Total</b>	<b>11679.46</b>	<b>100.00</b>
	Refunds	0.00	0.00
	<b>Net Revenue</b>	<b>11679.46</b>	<b>100.00</b>

*(Other Receipt includes- Fine & Forfeiture, Recovery of over payment, Sale of material by Tribals, Receipt from plantations, Tenali Receipt, Revenue from Shared and Private forests, Receipt from enforcement of Bombay Wild animals and wild birds Protection Act-1972, Compensatory Afforestation under FCA-1980 Act, SFD)*

**REVENUE (Rs. in Lakh)**



### 6.3 Expenditure

6.3.1 The expenditure incurred during the year 2022-23 and classified according to major heads reveals the following position vis-a-vis the previous year 2021-22.

**TABLE - 41**

**BROAD CLASSIFICATION OF FOREST EXPENDITURE AND BREAK UP OF NON-PLAN AND PLAN EXPENDITURE**

(Rs. in crores)

Item	Non Plan Expenditure			Plan Expenditure			Grand Total of Forest Expenditure
	2406 + 4406 Forestry & Wildlife + 2045 Other Tax + 2415 Agr. & Res.	7 % Grant to Z.P.	Total	2406 Forestry & Wildlife	4406 Forestry & Wildlife + 4415 Agr. Research	Total Plan	
<b>2022-23</b>							
i) Forest Department	2238.04	7.06	<b>2245.10</b>	667.62	1189.54	<b>1857.16</b>	<b>4102.27</b>
ii) Payment to FDCM	0	0	<b>0.00</b>	0	0	<b>0</b>	<b>0.00</b>
<b>Total</b>	<b>2238.04</b>	<b>7.06</b>	<b>2245.10</b>	<b>667.62</b>	<b>1189.54</b>	<b>1857.16</b>	<b>4102.27</b>
<b>2021-22</b>							
i) Forest Department	2099.05	1.34	<b>2100.39</b>	564.65	1411.55	<b>1976.2</b>	<b>4076.59</b>
ii) Payment to FDCM	0	0	<b>0.00</b>	0	0	<b>0</b>	<b>0.00</b>
<b>Total</b>	<b>2099.05</b>	<b>1.34</b>	<b>2100.39</b>	<b>564.65</b>	<b>1411.55</b>	<b>1976.2</b>	<b>4076.59</b>

#### 6.3.2 Circle-wise break-up of expenditure

Circle-wise break-up of expenditure under major heads is given in Table -42.

**TABLE - 42**

**A NON - PLAN**

(Rs. in Lakh)

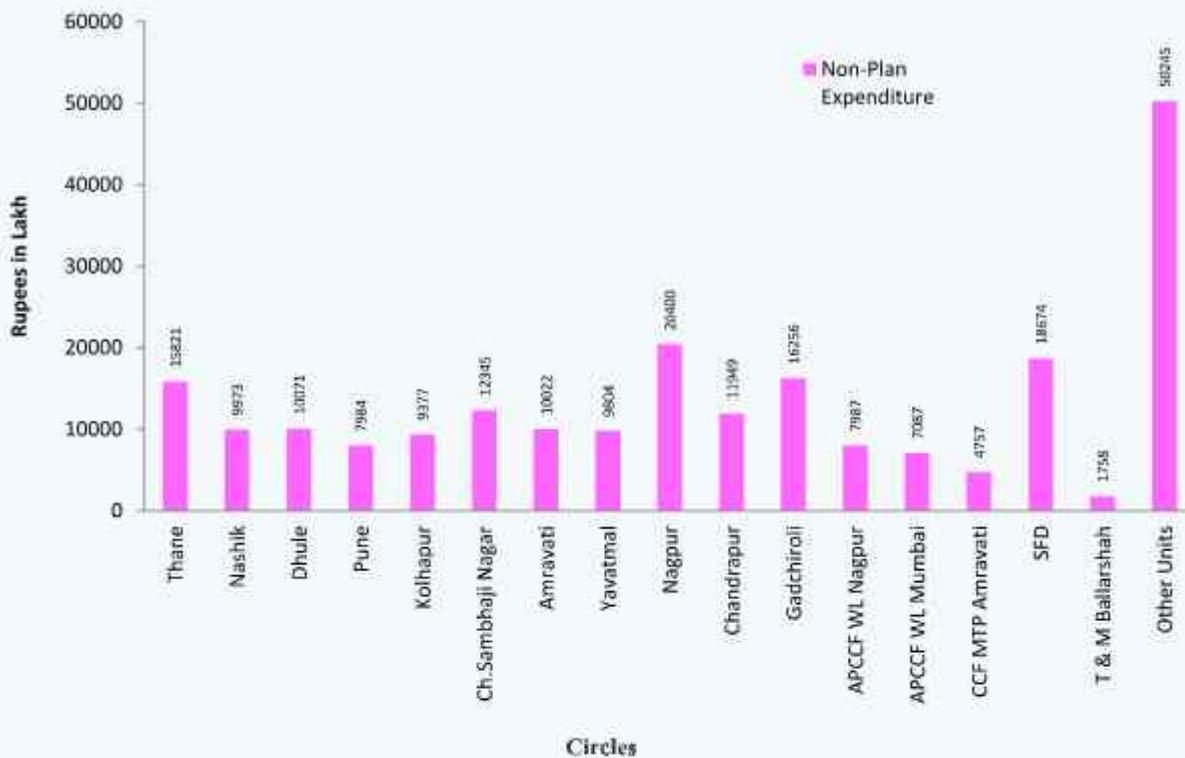
Sr. No.	Circle	2406 Forestry & WL	2415 Agr. & Res	2406 & 2551 (SFD)	3604 7 % Grants to ZP	2045+2235 +7610 Other	Total Non-Plan
1	2	3	4	5	6	7	8
1	Thane	15487.91	0.00	0.00	0.21	333.34	15821.46
2	Nashik	9960.66	0.00	0.00	4.31	7.64	9972.61
3	Dhule	10026.86	0.00	0.00	6.27	38.21	10071.34

Sr. No.	Circle	2406 Forestry & WL	2415 Agr. & Res	2406 & 2551 (SFD)	3604 7 % Grants to ZP	2045+2235 +7610 Other	Total Non-Plan
1	2	3	4	5	6	7	8
4	Pune	7923.98	0.00	0.00	0.03	59.55	7983.56
5	Kolhapur	9184.70	0.00	0.00	17.64	174.90	9377.25
6	Ch. Sambhajinagar	12193.67	0.00	0.00	19.75	131.18	12344.60
7	Amravati	9864.75	0.00	0.00	3.79	153.92	10022.46
8	Yavatmal	9752.82	0.00	0.00	17.11	33.64	9803.57
9	Nagpur	19937.25	0.00	0.00	72.47	390.62	20400.34
10	Chandrapur	11916.67	0.00	0.00	9.73	22.40	11948.80
11	Gadchiroli	15564.21	0.00	0.00	554.76	137.02	16255.99
12	APCCF WL Nagpur	7906.61	0.00	0.00	0.00	80.60	7987.21
13	APCCF WL Mumbai	7038.25	11.63	0.00	0.00	37.48	7087.36
14	CCF MTP Amravati	4469.84	0.00	0.00	0.00	287.08	4756.92
15	SFD	2012.14	5.10	16610.89	0.00	46.30	18674.43
16	T & M Ballarshah	1732.80	0.00	0.00	0.00	24.72	1757.52
17	Other Units	47430.23	2703.56	0.00	0.00	110.97	50244.75
<b>Total A</b>		<b>202403.37</b>	<b>2720.28</b>	<b>16610.89</b>	<b>706.07</b>	<b>2069.56</b>	<b>224510.17</b>

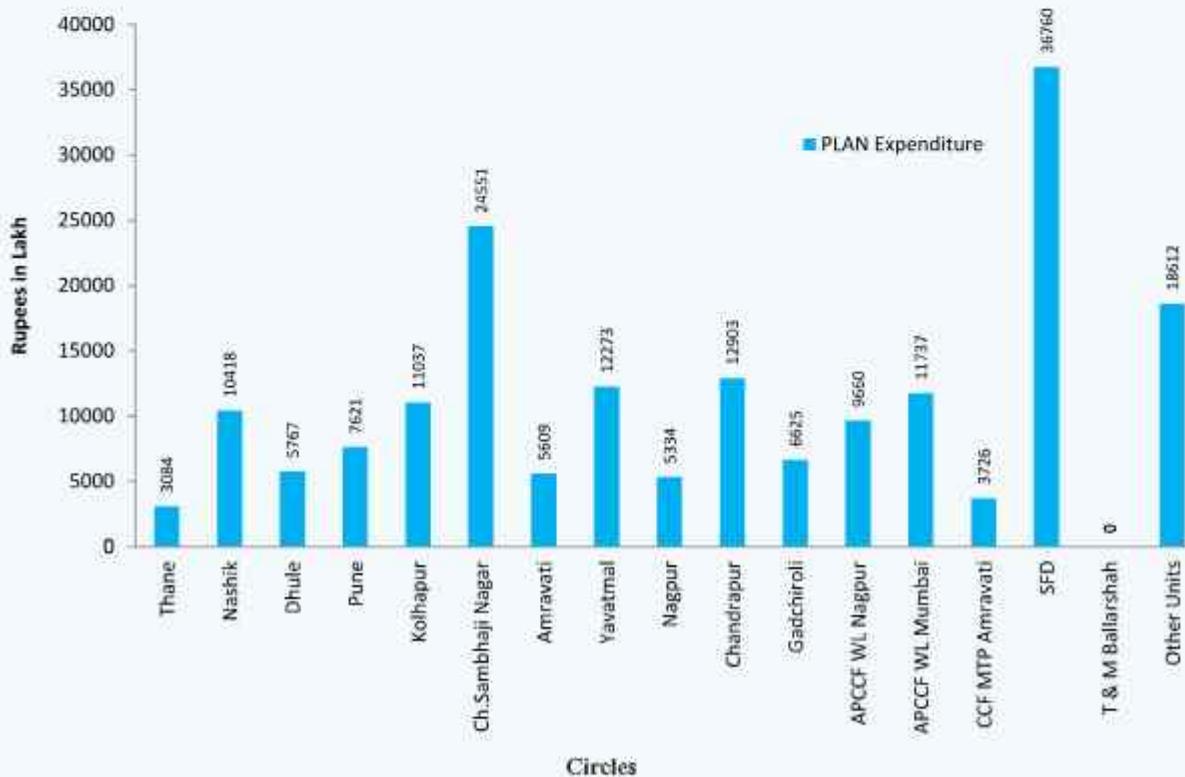
**TABLE - 42**  
**B PLAN**

Sr. No.	Circle	2406 Forestry & WL (State)	4406 +2415 Forestry & W.L.+ 4415 Agr. & Res. (State)	2406+4406 Forestry & W.L. (State) (9+10)	2406 Forestry & WL (District)	4406 Forestry & W.L.+ 9999 Agr. & Res. (District)	2406+4406 Forestry & W.L. (District) (12+13)	TOTAL Plan (11+14)	Grand Total (Non Plan + Plan) (8+15)
1	2	9	10	11	12	13	14	15	16
1	Thane	293.53	1266.16	1559.69	411.04	1113.34	1524.38	3084.07	18905.53
2	Nashik	125.69	6962.07	7087.76	788.59	2541.18	3329.77	10417.53	20390.14
3	Dhule	85.31	4815.14	4900.44	463.52	403.25	866.77	5767.21	15838.55
4	Pune	2293.60	4021.04	6314.64	843.35	463.14	1306.49	7621.13	15604.69
5	Kolhapur	1575.46	3606.75	5182.21	3112.95	2742.29	5855.24	11037.45	20414.70
6	Ch. Sambhajinagar	4221.32	6607.87	10829.19	7845.80	5875.70	13721.50	24550.69	36895.29
7	Amravati	2268.42	2949.41	5217.83	197.43	193.25	390.68	5608.51	15630.97
8	Yavatmal	1493.05	8363.28	9856.33	1311.79	1105.30	2417.09	12273.42	22076.99
9	Nagpur	1822.00	3138.09	4960.09	264.67	108.86	373.53	5333.62	25733.96
10	Chandrapur	5868.41	6571.62	12440.03	94.26	368.42	462.68	12902.71	24851.50
11	Gadchiroli	2346.59	4015.75	6362.34	82.00	180.33	262.33	6624.67	22880.66
12	APCCF WL Nagpur	6366.33	3236.11	9602.44	33.94	23.82	57.76	9660.20	17647.41
13	APCCF WL Mumbai	5776.11	701.31	6477.42	1515.89	3743.55	5259.44	11736.86	18824.22
14	CCF MTP Amravati	2341.47	361.45	2702.92	451.24	572.04	1023.28	3726.20	8483.12
13	SFD	5717.82	31041.99	36759.81	0.00	0.00	0.00	36759.81	55434.24
14	T & M Ballarshah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1757.52
15	Other Units	6421.96	11861.45	18283.41	328.90	0.00	328.90	18612.31	68857.06
<b>Total B</b>		<b>49017.06</b>	<b>99519.48</b>	<b>148536.55</b>	<b>17745.37</b>	<b>19434.47</b>	<b>37179.84</b>	<b>185716.39</b>	<b>410226.56</b>

## CIRCLE - WISE NON - PLAN EXPENDITURE



## CIRCLE - WISE PLAN EXPENDITURE



6.3.3 The details of expenditure according to activities for the year 2022-23 are given in Table 43.

**TABLE - 43**

**ACTIVITY WISE COMPOSITION OF PLAN AND NON PLAN EXPENDITURE**

(Rs. in Lakh)

Sr. No.	Activity	Non plan	Plan	Total Expenditure
1	Direction & Administration	18338.99	0	18338.99
2	Central Nursery	1382.06	1841.05	3223.11
3	Building & Communication	2133.05	9682.92	11815.97
4	Forest Conservation & Development	92157.81	20205.71	112363.52
5	Creation of Supernumerary Post	31146.14	0	31146.14
6	Plantation	1593.64	82979.53	84573.17
7	Dr Babasaheb Ambedkar strengthening & Modernization of Government nurseries	0.00	1990.01	1990.01
8	Exploitation of Forest Produce	16352.25	316.67	16668.92
9	Training of other staff	1715.30	1383.22	3098.52
10	Forest Parks / Tourism	1266.90	8834.44	10101.34
11	Forest Labour Welfare	35.82	7387.84	7423.66
12	Nature Conservation and Wildlife preservation	5013.91	12506.81	17520.72
13	Grant to Z.P. + Western Ghat, ISRVP+2045 Other Taxes	706.07	0.00	706.07
14	Compensation for the losses due to wild animal attack	12746.24	139.81	12886.05
15	Settlements of Rights & Privileges rehabilitation of privileges in National Parks & Sanctuaries	0.00	4900.00	4900.00
16	Forest Protection & Others	0.00	2099.39	2099.39
17	Rent of leased forest and payable share holders in forest	1.69	0.00	1.69
18	Forest Development Tax on sales of produce by or on behalf of Govt. or FDCM in Maharashtra	0.00	341.54	341.54
19	Supply of cooking gas and solar cooker	0.00	25.04	25.04
20	Computerization of Forest Dept	0.00	1083.04	1083.04
21	Dr Shyama Prasad Mukerjee Jan-Van Vikas Scheme	0.00	6381.44	6381.44
22	Establishment and preliminary works at Gorewada	0.00	7000.00	7000.00
23	Strengthening Of State Biodiversity Board	0.00	1267.68	1267.68
24	New Scheme	0.00	466.20	466.20
25	Bamboo Research And Training Center, Chichpalli, Dist.chandrapur	0.00	1969.51	1969.51
26	Chandrapur Forestry Academy Of Administration, Development & Management, Chandrapur	0.00	3725.15	3725.15

Sr. No.	Activity	Non plan	Plan	Total Expenditure
27	Establishment Of Maharashtra Bamboo Development Board	0.00	712.19	712.19
28	Establishment Of Maharashtra Eco Tourism Board	0.00	111.02	111.02
29	Establishment Of Maharashtra State Zoo Authority (General)	0.00	54.51	54.51
30	Kundal Academy Of Development, Administration And Management (Forest)	0.00	642.93	642.93
31	Pandit Dindayal Upadhaya, Van Udyan with Bal Vidnyan Bhavan For Conservation of Biodiversity on Forest and Non forest Land and Nature Protection	0.00	420.00	420.00
32	Mangrove Protection and Livelihood production scheme	432.16	0.00	432.16
33	Advances for House building & purchase of motor cycle ,Computer , other conveyance	2028.75	0.00	2028.75
34	Payment under Deposit link Insurance Scheme	20.00	0.00	20.00
35	Audit Team	26.35	0.00	26.35
36	Other Expenditure	37413.04	7248.75	44661.79
	<b>TOTAL</b>	<b>224510.17</b>	<b>185716.40</b>	<b>410226.57</b>

#### 6.4 Outstanding on Account of Forest Revenue

6.4.1 The position of outstanding on account of forest revenue in different circles, at the commencement and at the end of the year 2022-23 vis-à-vis that in the previous year is as follows.

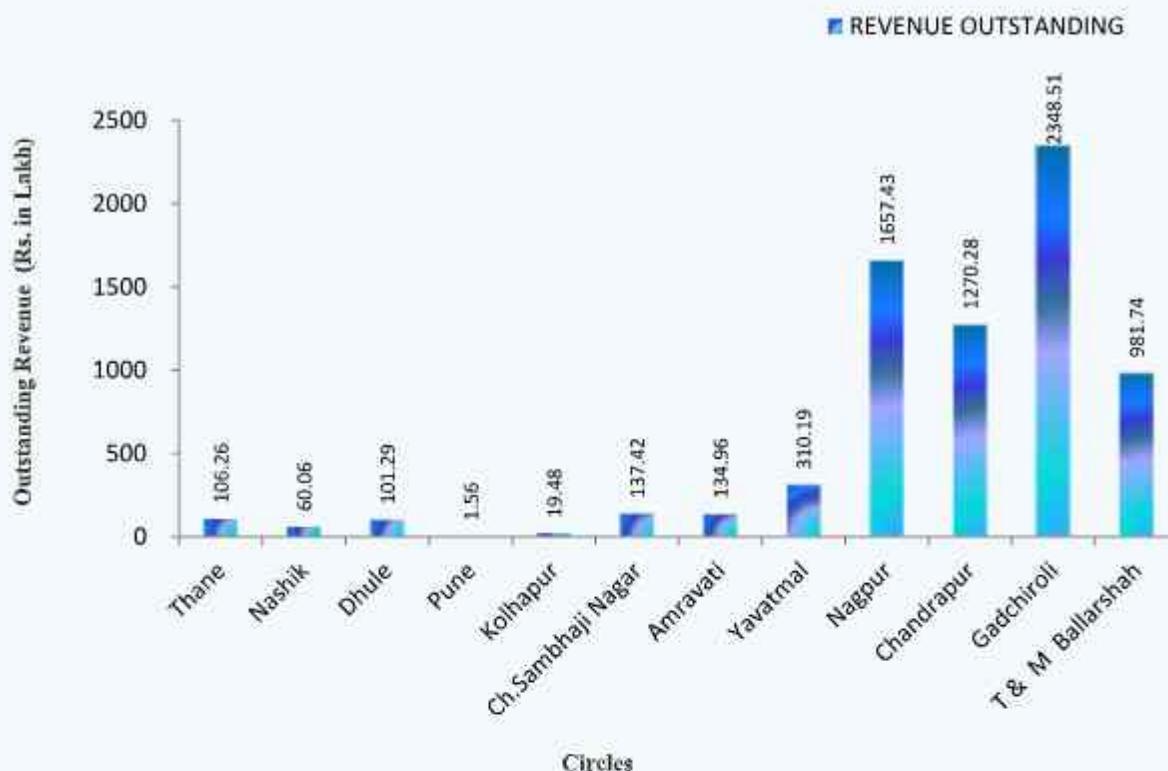
**TABLE - 44**

#### OUTSTANDING ON ACCOUNT OF FOREST REVENUE

(Rs. in Lakh)

Sr. No.	Circle	Amount outstanding as on 01.04.2023	Amount outstanding as on 01.04.2022
1	Thane	106.26	106.38
2	Nashik	60.06	60.06
3	Dhule	101.29	101.29
4	Pune	1.56	1.56
5	Kolhapur	19.48	19.72
6	Ch. Sambhajinagar	137.42	137.41
7	Amravati	134.96	137.89
8	Yavatmal	310.19	230.14
9	Nagpur	1657.43	1621.86
10	Chandrapur	1270.28	934.40
11	Gadchiroli	2348.51	2177.32
12	T & M Ballarshah	981.74	727.58
	<b>TOTAL</b>	<b>7129.18</b>	<b>6255.61</b>

## OUTSTANDING ACCOUNT OF FOREST REVENUE (Rs. in Lakh)



6.4.2 The breakup of outstanding amount according to various reasons is as given below

**TABLE - 45**

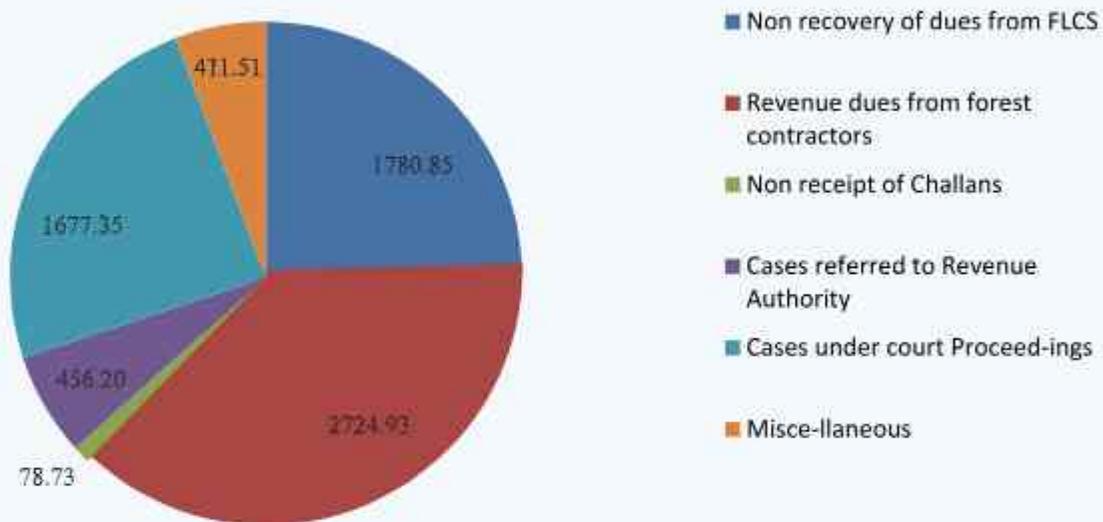
### OUTSTANDING OF FOREST REVENUE ON ACCOUNT OF DIFFERENT REASONS

(Rs. in Lakh)

Circle	Non recovery of dues from FLCS	Revenue dues from forest contractors	Non receipt of Challans	Cases referred to Revenue Authority	Cases under court Proceedings	Miscellaneous	Total
Thane	46.92	33.03	0.00	21.91	2.46	1.93	106.26
Nashik	0.00	32.45	0.00	3.49	5.97	18.15	60.06
Dhule	10.73	42.58	40.65	7.32	0.00	0.00	101.29
Pune	0.00	1.43	0.00	0.13	0.00	0.00	1.56
Kolhapur	0.00	17.71	0.00	1.47	0.29	0.01	19.48
Ch.Sambhajinagar	3.43	22.49	0.00	17.55	88.74	5.21	137.42
Amravati	32.97	18.32	26.43	40.70	8.93	7.61	134.96
Yavatmal	101.09	177.26	0.75	23.46	6.64	0.99	310.19
Nagpur	1176.23	326.51	10.78	41.28	6.36	96.27	1657.43

Circle	Non recovery of dues from FLCS	Revenue dues from forest contractors	Non receipt of Challans	Cases referred to Revenue Authority	Cases under court Proceedings	Misce-llaneous	Total
Chandrapur	344.61	755.24	0.00	77.67	46.05	46.71	1270.28
Gadchiroli	64.46	464.05	0.12	73.34	1511.91	234.63	2348.51
T & M Ballarshah	0.00	833.86	0.00	147.88	0.00	0.00	981.74
<b>Total 2022-23</b>	<b>1780.45</b>	<b>2724.93</b>	<b>78.73</b>	<b>456.20</b>	<b>1677.35</b>	<b>411.51</b>	<b>7129.18</b>
<b>2021-22</b>	<b>1780.47</b>	<b>1847.62</b>	<b>80.39</b>	<b>1202.99</b>	<b>930.95</b>	<b>413.18</b>	<b>6255.61</b>

#### COMPOSITION OF OUTSTANDING REVENUE (Rs. in Lakh)



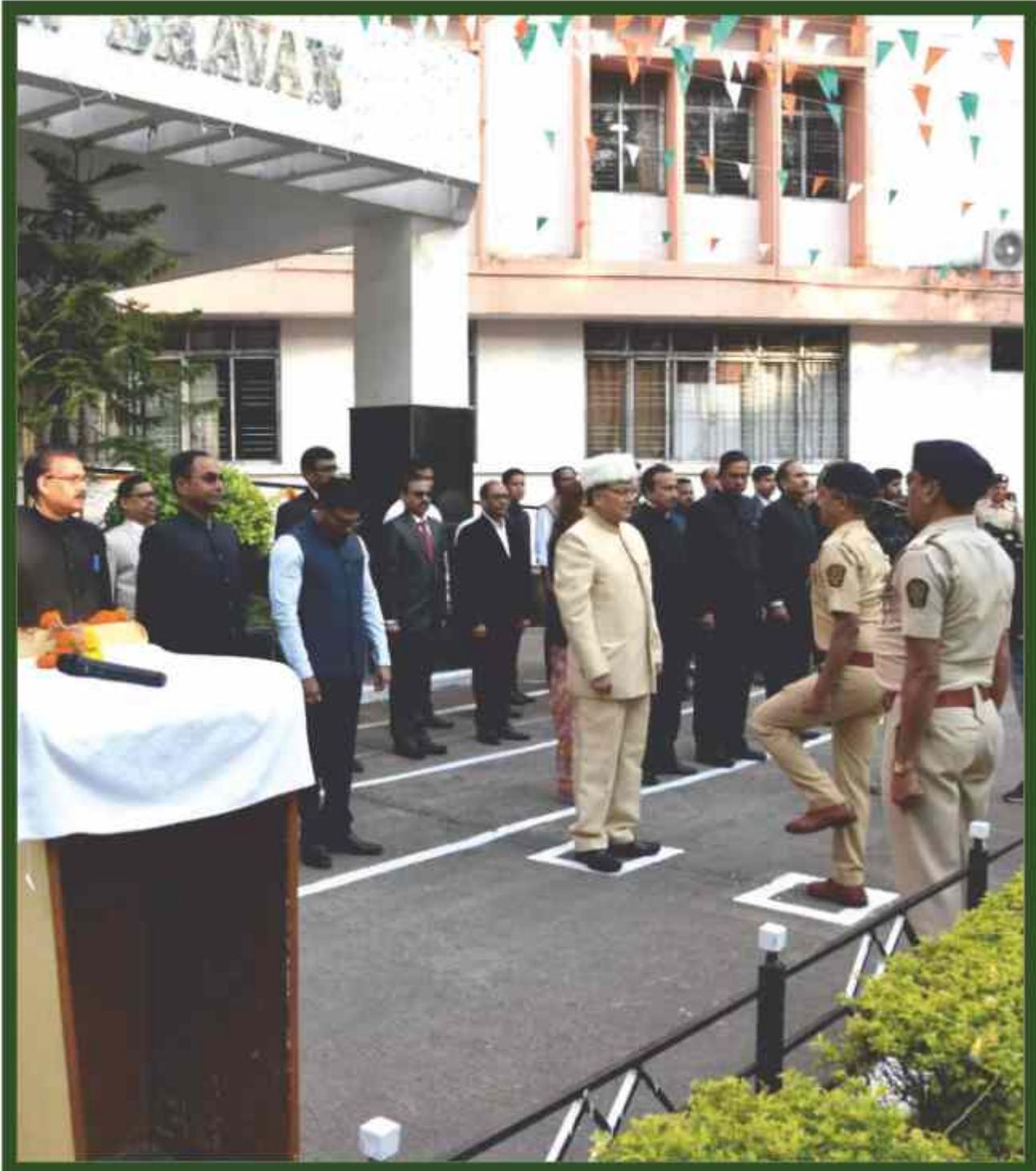


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# CHAPTER - 7

## ADMINISTRATION

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## CHAPTER - VII ADMINISTRATION

### 7.1 ORGANISATION

7.1.1 The various posts in the Forest Department from the level of Chief Conservator of Forests and above were held by the following officers during the year 2022-23.

**TABLE - 46**  
**ORGANISATION OF FOREST DEPARTMENT**

Sr. No.	Name of Post	Officers Name	Period
1	Principal Chief Conservator of Forests (Head of Forest Force), M.S. Nagpur	Dr. Y.L.P.Rao	01/04/2022 to 31/03/2023
2	Principal Chief Conservator of Forests (WL) M.S. Nagpur	Shri S B Limaye	01/04/2022 to 30/09/2022
		Shri Maheep Gupta	01/10/2022 to 31/03/2023
3	Principal Chief Conservator of Forests & Chief Executive Officer (Maha - CAMPA) Nagpur	Shri S.G.Tembhurnikar	01/04/2022 to 31/03/2023
4	Principal Chief Conservator of Forests Social Forestry, Pune	Shri Jeet Singh	01/04/2022 to 31/05/2022
		Smt Sunita Singh	06/06/2022 to 31/03/2023
5	Principal Chief Conservator of Forests (Budget Planning & Development) Nagpur	Shri Pradeep Kumar	01/04/2022 to 31/03/2023
6	Principal Chief Conservator of Forests & Member Secretary, Maharashtra State Biodiversity Board Nagpur	Shri P.Shrivastav	01/04/2022 to 31/03/2023
7	Principal Chief Conservator of Forests (Personnel) Nagpur	Shri Vikas Gupta	01/04/2022 to 30/09/2022
		Smt Shomita Biswas	01/10/2022 to 31/03/2023
8	Additional Principal Chief Conservator of Forests (Information Technology and Policy )	Shri P. Kalyan Kumar	01/04/2022 to 31/03/2023
9	Additional Principal Chief Conservator of Forests (Research Education and Training ), & Director, Chandrapur Forest Development and Management Academy Chandrapur	Shri Maheep Gupta	01/04/2022 to 30/09/2022
		Shri M. Srinivasa Reddy	01/10/2022 to 31/03/2023

Sr. No.	Name of Post	Officers Name	Period
10	Additional Principal Chief Conservator of Forests (Admin-Subordinate Cadre ), M.S. Nagpur	Shri Vikas Gupta	01/04/2022 to 30/09/2022 (A/C)
		Smt.Shomita Biswas	01/10/2022 to 31/03/2023 (A/C)
11	Additional Principal Chief Conservator of Forests (Wildlife) West , Mumbai	Dr. V. Clement Ben	01/04/2022 to 31/03/2023
12	Additional Principal Chief Conservator of Forests (Wildlife) East , Nagpur	Shri B.S.Hooda	01/04/2022 to 31/03/2023
13	Additional Principal Chief Conservator of Forests & Nodal Officer M.S.Nagpur	Shri Naresh Zurmure	01/04/2022 to 31/03/2023
14	Additional Principal Chief Conservator of Forests (Protection) M.S. Nagpur	Dr. Pravin Chavan	01/04/2022 to 31/03/2023
15	Additional Principal Chief Conservator of Forests (Conservation)M.S. Nagpur	Shri Naresh Zurmure	01/04/2022 to 07/08/2022 (A/C)
		Smt Shomita Biswas	08/08/2022 to 30/09/2022
		Shri P. Kalyan Kumar	01/10/2022 to 31/03/2023 (A/C)
16	Additional Principal Chief Conservator of Forests (NTEP ) Nagpur	Dr. Pravin Chavan	01/04/2022 to 07/08/2022 (A/C)
		Smt Shomita Biswas	08/08/2022 to 30/09/2022 (A/C)
		Dr. Pravin Chavan	01/10/2022 to 31/03/2023 (A/C)
17	Additional Principal Chief Conservator of Forests (Production & Management ), M.S.Nagpur	Shri P. Kalyan Kumar	01/04/2022 to 31/03/2023 (A/C)
18	Additional Principal Chief Conservator of Forests, HQ. (SF), Pune	Shri Vivek Khandekar	01/04/2022 to 31/03/2023
19	Additional Principal Chief Conservator of Forests (Mangrove Cell) Mumbai	Shri V.R.Tiwari	01/04/2022 to 05/01/2023
		Smt.Mamilla Adarsh Reddy	06/01/2023 to 01/03/2023
		Shri S.V. Rama Rao	02/03/2023 to 31/03/2023
20	Managing Director, Maharashtra Bamboo Development Board Nagpur (APCCF)	Shri M. Srinivasa Rao	01/04/2022 to 31/03/2023
21	Chief Conservator of Forests & Field Director, Project Tiger, Melghat, Amravati	Ms. Jayoti Banerjee	01/04/2022 to 31/03/2023
22	Chief Conservator of Forests Revenue & Forest Department Mantralaya Mumbai	Shri R. S. Govekar	01/04/2022 to 31/03/2023

7.1.2 The posts of Chief Conservator of Forests and Conservator of Forests were held by the following officers at circle & functional level.

Sr. No.	Circle	Name	Period
1	Conservator of Forests Planning and Management ( Wild life ) Nagpur	Shri S. Yuvaraj	01/04/2022 to 24/03/2023
		Shree Lakshmi Annabathula	25/03/2023 to 31/03/2023(A/C)
2	Conservator of Forests (Working Plan) West, Pune	Shri V.J. Bhise	01/04/2022 to 31/03/2023
3	Conservator of Forests (Working Plan) East, Nagpur	Vinita Vyas	01/04/2022 to 28/04/2022 (A/C)
		S. Rameshkumar	29/04/2022 to 31/03/2023 (A/C)
4	Member Secretary, Maharashtra State Zoo Authority, Nagpur (CCF)	Shri Prabhunath Shukla DCF	01/04/2022 to 31/03/2023 (A/C)
5	Managing Director Maharashtra State Ecotourism Development Board, Nagpur (CCF)	Shri. Vikas Gupta	01/04/2022 to 30/09/2022 (A/C)
		Shri R. M. Naikade	01/10/2022 to 18/10/2023 (A/C)
		Shri Maheep Gupta	19/10/2022 to 31/03/2023 (A/C)
6	Conservator of Forests (Land Record) Nagpur	Shri V.M.Godbole	29/04/2021 to 31/03/2023
		Smt Vinita Vyas	01/09/2022 to 29/09/2022 (A/C)
		Shri. Kumarswami S.R.	30/09/2022 to 31/03/2023 (A/C)
7	C.F.(T), Amravati	Shri G K Anarse	01/04/2022 to 31/03/2023
8	C.C.F. (T), Ch. Sambhajinagar	Shri S M Gujar	01/04/2022 to 31/03/2023
9	C.C.F. (T), Nagpur	Shri R. M. Naikade	01/04/2022 to 31/03/2023
10	C.C.F. (T), Nashik	Shri N.B.Gudge	01/04/2022 to 31/03/2023
11	C.C.F.(T), Pune	Shri N.R.Praveen	01/04/2022 to 31/03/2023
12	C.C.F.(T), Thane	Shri S.V. Rama Rao	01/04/2022 to 23/02/2023
		Smt K. Pradeepa	24/02/2023 to 31/03/2023
13	C.F.(T), Dhule	Shri D.W. Pagar	01/04/2022 to 31/03/2023
14	C.F.(T),Yavatmal	Shri V. T. Ghule	01/04/2022 to 31/03/2023
15	C.C.F.(T),Kolhapur	Shri R.M.Ramanujam	01/04/2022 to 31/03/2023
16	C.C.F. (T), Chandrapur	Shri Prakash Lonkar	01/04/2022 to 31/03/2023
17	C.F.(T), Gadchiroli	Dr. Kishor Mankar	01/04/2022 to 31/03/2023
18	C.C.F. ( Education and Training) Pune	Shri R.K.Wankhade	01/04/2022 to 30/09/2023
		Shri V.J. Bhise	01/10/2022 to 04/12/2022 (A/C)
		Shri N.R.Praveen	05/12/2022 to 31/03/2023 (A/C)
19	C.F. (Evaluation ) Nagpur	Shri S. Yuvraj	01/04/2022 to 24/03/2023 (A/C)
		Shri S. Rameshkumar	25/03/2023 to 31/03/2023 (A/C)
20	C.C.F.( NTFP ) Nagpur	Shri V.M.Godbole	01/04/2022 to 31/08/2022 (A/C)
		Shri U.U. Verma	01/09/2022 to 31/03/2023 (A/C)

Sr. No.	Circle	Name	Period
21	C.F.& Director (SNGP) Borivali	Shri G. Mallikarjuna	01/04/2022 to 31/03/2023
	C.F.& F.D. Project Tiger Pench, Nagpur	Shree Lakshmi Annabathula	01/04/2022 to 31/03/2023
22	C.F. & F.D. Project Tiger Tadoba Andhari, Chandrapur	Dr.Jitendra Ramgaonkar	01/04/2022 to 31/03/2023
23	C.F. (Forest Regulation ) Nagpur	Shri K. W. Dhamge	01/04/2022 to 31/07/2022 (A/C)
		Shri U.U. Verma	01/08/2022 to 31/03/2023 (A/C)
24	C.F. (Research) Pune	Shri C. L. Dhumal	01/04/2022 to 31/05/2022
		Shri V. D. Suryavanshi	01/06/2022 to 26/06/2022 (A/C)
		Shri V. J. Bhise	27/06/2022 to 30/09/2022
		Shri C. L. Dhumal	01/10/2022 to 04/12/2022 (A/C)
		Shri V. J. Bhise	05/12/2022 to 31/03/2023
25	C.F. & F.D. Sahyadri Tiger Reserve Kolhapur	Shri N. S. Ladkat	01/04/2022 to 31/03/2023
26	CF (Social Forestry), Nagpur	Shri S Rameshkumar	01/04/2022 to 31/03/2023
27	CF (Social Forestry), Ch. Sambhajinagar	Shri S.B.Fule	01/04/2022 to 31/07/2022
		Shri S.M. Gujar	01/08/2022 to 10/10/2022 (A/C)
		Shri S.V. Mankawar	11/10/2022 to 10/03/2023 (A/C)
		Shri Amit Kumar Mishra	11/03/2023 to 31/03/2023 (A/C)
28	CF (Social Forestry), Amravati	Shri D.P.Nikam	01/04/2022 to 30/06/2022
		Shri. S.S. Kare, DFO	01/07/2022 to 20/09/2022 (A/C)
		Chandrashekar Bala N.	21/09/2022 to 31/03/2023 (A/C)
29	CF (Social Forestry), Pune	Shri H. G. Dhumal	01/04/2022 to 31/03/2023
30	CF (Social Forestry), Thane	Kanchan Pawar, DFO	01/04/2022 to 07/08/2022 (A/C)
		Smt K. Pradeepa	08/08/2022 to 22/02/2023
		Kanchan Pawar, DFO	23/02/2023 to 31/03/2023 (A/C)
31	CF (Social Forestry), Nashik	Shri Gajendra Hire	01/04/2022 to 31/03/2023 (A/C)
32	C.F. (Transport & Marketing), Ballarshah	Smt Piyusha Jagtap	01/04/2022 to 31/03/2023 (A/C)
33	CF & Director General, Kundal Forest Development and Management Academy Kundal Dist.Sangali	Shri J.P.Tripathi	01/04/2022 to 31/03/2023
34	Director, Kundal Forest Development and Management Academy Kundal Dist.Sangali	Shri D.B.Shendage	01/04/2022 to 31/07/2022
		Shri Shailendrakumar Jadhav	01/08/2022 to 31/03/2023 (A/C)

Source-APCCF (Personnel)

## 7.2 Education and Training

Information regarding education and training imparted to forest staff is given in table 47.

**TABLE - 47**

**LONG TERM AND SHORT TERM TRAINING COURSES**

Sr. No.	Name of Training Course	Cadre	No. of Courses	Period		No. of trainees
				From	To	
<i>Forest Training Institute, Chikhaldara</i>						
1	Forest Guard training	c	2	15-04-2021	16.04.2021	67
2				01.11.2022	30.04.2022	49
3	Clerk/Accountant 45 Days training	Clerk/Accountant	3	22.08.2022	05.10.2022	22
4				19.12.2022	01.02.2023	28
5				06.02.2023	22.03.2023	23
6	Short term training Clerk /Accountant / Forester / Guard	For all Officers/ Employees	1	02.11.2022	04.03.2023	24
7				09.11.2022	11.11.2022	27
8				14.11.2022	16.11.2022	25
9				17.11.2022	19.11.2022	23
10				21.11.2022	23.11.2022	27
11				24.11.2022	26.11.2022	31
12		Forester/ Forest Guard	1	28.11.2022	30.11.2022	25
13		Forester/ Forest Guard	1	01.12.2022	03.12.2022	23
14		Clerk/Accountant	1	05.12.2022	07.12.2022	22
15				08.12.2022	10.12.2022	27
16	Forest Guard	1	12.12.2022	14.12.2022	23	
			15.12.2022	17.12.2022	21	
17	Training in processing minor forest produce	class -2	1	08.03.2023	10.03.2023	29
<b>Grand Total FTI Chikhaldara</b>						<b>516</b>

Sr. No.	Name of Training Course	Cadre	No. of Courses	Period		No. of trainees
				From	To	
<b>Forest Training Institute, Shahapur</b>						
1	Plantation & Nursery Management	Forester/ Forest Guard	1	30.12.2022	03.01.2023	31
2	Forest Act and Wildlife Act	Forester/ Forest Guard	1	07.11.2022	11.11.2022	19
3	Maharashtra Civil Service Rule Establishment script subject matter	Forester/ Forest Guard	1	14.11.2022	18.11.2022	32
4	Joint Forest Management Committee	Forester/ Forest Guard	1	28.11.2022	02.12.2022	45
5	Maharashtra Civil Service Rule Establishment script subject matter	Forester/ Forest Guard	1	12.12.2022	16.12.2022	36
6	Human Wildlife Conflict issues & Remedial plan	clerk/Accountant	1	16.01.2022	20.01.2022	57
7	Joint Forest Management Committee	Forester/ Forest Guard	1	26.12.2022	30.12.2022	63
8	Forest act and Wildlife Act	Forester/ Forest Guard	1	09.01.2022	13.01.2022	42
9	Creating a treatment map	Forester/ Forest Guard	1	23.01.2023	25.01.2023	46
<b>Grand Total FTI Shahapur</b>						<b>371</b>
<b>Forest Training Institute, Jalna</b>						
1	YASHADA	C & D	13	14.06.2022	14.06.2022	30
2				15.06.2022	15.06.2022	25
3				27.06.2022	27.06.2022	19
4				28.06.2022	28.06.2022	21
5				19.07.2022	19.07.2022	50
6				20.07.2022	20.07.2022	51
7				27.07.2022	27.07.2022	33
8				10.08.2022	10.08.2022	34
9				12.08.2022	12.08.2022	76
10				23.08.2022	23.08.2022	33
11				24.08.2022	24.08.2022	18

Sr. No.	Name of Training Course	Cadre	No. of Courses	Period		No. of trainees
				From	To	
12				12.09.2022	12.09.2022	60
13				14.11.2022	14.11.2022	21
14	Long Term Training (Forest Guard )	Guard training	2	15.11.2021	19/06/2021	87
15				01.11.2022	30.04.2023	63
16	Long Term training Clerk /Accountant	Clerk/ Accountant	3	22.08.2022	05.10.2022	30
17				11.12.2022	01.02.2023	32
18				06.02.2022	22.03.2023	20
19	Short term training Clerk /Accountant /forester/guard	B &C	10	09.11.2022	11.11.2022	33
20				22.11.2022	24.11.2022	37
21				28.11.2022	30.11.2022	38
22				05.12.2022	07.12.2022	25
23				08.12.2022	10.12.2022	28
24				12.12.2022	14.12.2022	21
25				27.12.2022	29.12.2022	22
26				04.01.2023	06.01.2023	42
27				09.01.2023	11.01.2023	43
28				13.02.2023	15.02.2023	41
<b>Grand Total FTI Jalna</b>						<b>1033</b>

<i>Kundal Academy of Development, Administration and Management (Forest) Kundal</i>						
Sr. No.	Type of training	subject of training	Duration of training		Type of training	Number of trainees present
			from	up to		
1	<b>Induction/ Refresher</b>	Pre-Recruitment Training of Forest Officers Forest Department (Kerala, Andhra Pradesh, Uttar Pradesh)	16-08-2021	15-02-2023	long term	45

Sr. No.	Type of training	subject of training	Duration of training		Type of training	Number of trainees present	
			from	up to			
2	Induction/ Refresher	Pre-appointment Training Forest Officer (Kerala, Jammu and Kashmir and West Bengal)	19-12-2022	18-06-2024	long term	44	
3		Promoted Forester Revision Training	09-05-2022	07-06-2022	short term	58	
4			13-06-2022	11-07-2022	short term	71	
5			01-11-2022	30-11-2022	short term	35	
6			05-12-2022	03-01-2023	short term	39	
7			05-01-2023	03-02-2023	short term	38	
8			06-02-2023	07-03-2023	short term	40	
9			One Week Online Thematic Course for the Frontline Staff (RFO) (Online)	23-05-2022	28-05-2022	short term	24
10		17-10-2022		21-10-2022	short term	26	
11		45 days training of untrained clerks in Forest Department	22-08-2022	05-10-2022	short term	32	
12			02-01-2023	15-02-2023	short term	20	
13		Visakha Committee (ACF, RFO, Forester, Accountant, Chief Accountant, Forest Guard)	02-03-2023	04-03-2023	short term	29	
14		Village Situational Development Committee (RFO, Forester, Forest Guard, (Chairman and Members)	01-03-2023	02-03-2023	short term	34	
15		Training under STPEA - RATI	Refresher training of Class-B employees	17-10-2022	21-10-2022	short term	57

Sr. No.	Type of training	subject of training	Duration of training		Type of training	Number of trainees present
			from	up to		
16	Training under STPEA - RATI	Post Promotion Training of Class-B Officers (Finance & Accounts Department)	12-09-2022	23-09-2022	short term	34
17			12-09-2022	23-09-2022	short term	33
18			14-11-2022	25-11-2022	short term	40
19			14-11-2022	25-11-2022	short term	39
20			20-02-2023	03-03-2023	short term	41
21		Revision Training of Class-C Employees (Agriculture Department)	06-06-2022	10-06-2022	short term	25
22		Revision Training of Class-C Employees	20-06-2022	24-06-2022	short term	46
23			20-06-2022	24-06-2022	short term	30
24			27-06-2022	01-07-2022	short term	40
25			27-06-2022	01-07-2022	short term	38
26			04-07-2022	08-07-2022	short term	40
27			04-07-2022	08-07-2022	short term	40
28			01-08-2022	05-08-2022	short term	41
29			22-08-2022	26-08-2022	short term	50
30			05-09-2022	09-09-2022	short term	30
31			05-09-2022	09-09-2022	short term	35
32			22-02-2023	26-02-2023	short term	47
33			11-07-2022	22-07-2022	short term	31
34			31-10-2022	11-11-2022	short term	47
35			31-10-2022	11-11-2022	short term	40
36			28-11-2022	09-12-2022	short term	45
37	12-12-2022		23-12-2022	short term	35	
38	09-01-2023		20-01-2023	short term	50	
39	23-01-2023		03-02-2023	short term	55	
40	06-02-2023		17-02-2023	short term	44	
41	06-03-2023		17-03-2023	short term	44	
42	13-02-2023	24-02-2023	short term	39		

Sr. No.	Type of training	subject of training	Duration of training		Type of training	Number of trainees present	
			from	up to			
43		Basic training of Class-C employees	08-03-2023	19-03-2023	short term	35	
44			08-03-2023	19-03-2023	short term	46	
45			08-02-2023	19-02-2023	short term	76	
46			20-02-2023	03-03-2023	short term	86	
47			06-03-2023	17-03-2023	short term	106	
48			08-02-2023	19-02-2023	short term	41	
49			20-02-2023	03-03-2023	short term	37	
50			20-02-2023	03-03-2023	short term	40	
51			06-03-2023	17-03-2023	short term	36	
52			06-03-2023	17-03-2023	short term	41	
53			Post promotion Training of Class - C employees	01-08-2022	06-08-2022	short term	34
54				08-08-2022	13-08-2022	short term	39
55		03-10-2022		14-10-2022	short term	40	
56		06-03-2023		17-03-2023	short term	36	
57	Training under STPEA - DATI	Revision Training of Class - D employees	14-06-2022	16-06-2022	short term	25	
58			27-09-2022	29-09-2022	short term	34	
59			18-10-2022	20-10-2022	short term	39	
60			28-12-2022	30-12-2022	short term	29	
61			02-01-2023	04-02-2023	short term	17	
62			30-01-2023	01-02-2023	short term	36	
63		Basic training of Class-D employees	25-07-2022	30-07-2022	short term	29	
64		One-day induction training	13-06-2022	13-06-2022	ODI	51	
65			15-06-2022	15-06-2022	ODI	54	
66			17-06-2022	17-06-2022	ODI	53	
67			26-06-2022	26-06-2022	ODI	42	
68			27-06-2022	27-06-2022	ODI	26	
69			28-06-2022	28-06-2022	ODI	27	
70			19-08-2022	19-08-2022	ODI	45	
71	OTHER	Training of SOs (Class-B) from DDA	03-10-2022	31-12-2022	long term	24	

Sr. No.	Type of training	subject of training	Duration of training		Type of training	Number of trainees present
			from	up to		
72	OTHER	Six of the Ministerial Home Department. Face to Face Training Program for Room Officers and Clerk-Typists	14-11-2022	18-11-2022	short term	27
73		21-11-2022	25-11-2022	short term	29	
74		Workshop on Social Audit	23-03-2023	27-03-2023	short term	30
<b>Total Kundal</b>						<b>2981</b>

*Forest Training Institute, Pal*

Sr. No	Name of Training	Cadre	No. of Courses	Duration of training		No. of Trainees
				from	up to	
1	Foundation Training	D	1	21-11-2022	26-11-2022	33
2	Refresher Training	D	1	19-12-2022	21-12-2022	41
3	One Day Orientation program	C/D	13	27-06-2022	25-08-2022	760
4	Foundation Training	C (Talathi) R.A.T.I.	3	15-02-2023	24-03-2023	229
5	Importance Of Biodiversity	Forest Guard /Forester	1	30-11-2022	01-12-2022	30
6	Forest Laws, Crime and Investigating Procedure		1	06-12-2022	08-12-2022	26
7	Man Animal Conflict and its Management		1	12-12-2022	14-12-2022	25
8	Office Work Method	Accountant/ Clerk	1	20-12-2022	22-12-2022	26
9	Communication skills and Personality Development	Accountant/ Clerk/Forest Guard /Forester	1	27-12-2022	29-12-2022	26
10	Nature Reading And Its Importance	Forest Guard /Forester	1	03-01-2023	05-01-2023	21
11	Importance Of Biodiversity		1	10-01-2023	12-01-2023	19
12	Forest Laws, Crime and Investigating Procedure		1	17-01-2023	19-01-2023	30
13	Joint Forest Management Committee And Procedures		1	23-01-2023	25-01-2023	25
14	Man Animal Conflict and its Management		1	01-02-2023	03-02-2023	25

Sr. No.	Name of Training	Cadre	No. of Courses	Duration of training		No. of Trainees
				from	up to	
15	NPS / SEVARTH And Other Online Procedures	Accountant/ clerk	1	08-02-2023	10-02-2023	27
<b>Grand Total FTI Pal</b>						<b>1343</b>

*Yashada*

Sr. No.	Name of Training	Department	Period		Type of training	No. of trainees	
			From	to			
1	Revision training of promoted foresters	Forest Department	09.05.2022	07.06.2022	Revision training	33	
2			13.06.2022	11.07.2022		55	
3			15.11.2022	14.12.2022		57	
4			28.12.2022	26.01.2023		50	
5			Clerical Accountant Basic Training	01.11.2022		15.12.2022	45
6				26.12.2022		08.02.2023	41
<b>Total</b>						<b>281</b>	

*Training through the Department*

1	Assessment of Carbon Stock of Forests in Maharashtra	Forest Department	27.04.2022	29.04.2022	Revision training	82
2	Center of Excellence		18.05.2022	--		50
3			22.07.2022	--		60
4			05.08.2022	--		25
5			24.09.2022	--		125
6			22.12.2022			87
7			14.11.2022			35
8			18.01.2023			110
9			IFS Probationary Officers Training	23.05.2022		26.05.2022
10	Human Wildlife Conflict and Crowd Management		07.06.2022	09.06.2022		56
11			10.08.2022	12.08.2022		49
12	Wildlife Orientation and Human Wildlife Conflict Management		FDCM	17.10.2022		22.10.2022
13			31.10.2022	05.11.2022	31	

Sr. No.	Name of Training	Department	Period		Type of training	No. of trainees
			From	to		
14	RFO 18 Month training	Forest Department	22.08.2022	21.02.2024	Basic training	48
15	Revision training of promoted Foresters	FDCM	01.09.2022	30.09.2022	Revision training	38
16			15.09.2022	14.10.2022		39
17	Training of Guides	Forest Department	01.12.2022	07.12.2022	Basic training	26
18			23.03.2023	31.03.2023		18
19	Sexual Harassment of Women at Workplace	Forest Department	20.02.2023	22.02.2023	Revision training	19
20			08.03.2023	10.03.2023		28
21	Office Procedures	Department of Revenue	01.02.2023	01.02.2023	exhortation	28
22			02.02.2023	02.02.2023		30
23	Office Procedures	Forest Department	15.03.2023	16.03.2023	Revision training	25
24	Office Procedures	BSNL	20.03.2023	21.03.2023		60
<b>Total</b>						<b>1103</b>
<b>MoEF &amp; CC RT Division.</b>						
1	IFS Officer Three Days Workshop on Best Practices of Human Wildlife-Conflict Mitigation and Damage Control Training Workshop	Forest Department	11.10.2022	13.10.2022	Revision training	22
2	IFS Officer One Week Training on Eco-Tourism in Wildlife & Habitat Management		05.12.2022	09.12.2022		18
<b>Total</b>						<b>40</b>
<b>Under Yashada (DATI).</b>						
1	Right to Information Act and Public Service Guarantee Act	All sections	28.06.2022	28.06.2022	Revision training	60
		All sections	29.06.2022	29.06.2022		73
2	Zero Pendency	All sections	15.07.2022	15.07.2022		18

Sr. No.	Name of Training	Department	Period		Type of training	No. of trainees
			From	to		
<b>Under Yashada (DATI).</b>						
3	Office Procedures	All sections	19.07.2022	19.07.2022	Revision training	13
4	Revision Training Class-IV	All sections	20.07.2022	22.07.2022		25
5	Revision Training Class-IV	All sections	04.08.2022	06.08.2022		40
6	Senior Citizens Rule	All sections	19.08.2022	19.08.2022		35
7	Senior Citizens Rule	All sections	23.08.2023	23.08.2023		50
8	Revision Training Class-IV	All sections	24.08.2022	26.08.2022		14
9	Senior Citizens Governance Act	All sections	29.08.2022	29.08.2022		44
10	Revision Training Class-IV	All sections	13.09.2022	15.09.2022		49
11	Revision Training Class-IV	All sections	27.09.2022	29.09.2022		33
12	Revision Training Class-IV	All sections	10.10.2022	12.10.2022		33
13	Revision Training Class-IV	All sections	19.10.2022	21.10.2022		31
14	Revision Training Class-IV	All sections	14.11.2022	19.11.2022		33
15	Senior Citizens Governance Act and Policy	All sections	26.01.2023	26.01.2023	Exhortation	40
16	Office Procedures	All sections	11.02.2023	11.02.2023		29
<b>Total</b>						<b>620</b>
<b>Training under Yashada RATI</b>						
1	Talathi, Superintendent of Revenue	Department of Revenue	15.03.2023	26.03.2023	Basic training	50
2		Department of Revenue	15.03.2024	26.03.2024		33
<b>Total</b>						<b>83</b>
<b>Training of Sarpanchs through Yashada</b>						
1	Refresher training of newly appointed Sarpanchs	Z.P	06.10.2022	08.10.2022	Revision training	23
2			10.10.2022	12.10.2022		29
3			14.10.2022	16.10.2022		22
4			17.10.2022	19.10.2022		20
5			09.12.2022	11.12.2022		20
6			13.12.2022	15.12.2022		46
7			16.12.2022	18.12.2022		19

Sr. No.	Name of Training	Department	Period		Type of training	No.of trainees		
			From	to				
8	Refresher training of newly appointed Sarpanchs	Z.P	20.12.2022	22.12.2022	Revision training	18		
9			27.12.2022	29.12.2022		40		
10			03.01.2023	05.01.2023		18		
11			06.01.2023	08.01.2023		18		
12			10.01.2023	13.01.2023		24		
13			21.01.2023	24.01.2023		29		
14			28.01.2023	31.01.2023		26		
15			02.02.2023	05.02.2023		Basic training	17	
16			07.02.2023	10.02.2023	36			
17			13.02.2023	16.02.2023	25			
18			02.03.2023	05.03.2023	Revision training	32		
19			13.03.2023	16.03.2023		21		
20			17.03.2023	20.03.2023		26		
21			23.03.2023	26.03.2023		19		
22			Sarpanch / Deputy Sarpanch / Gram Sevak	Z.P	02.02.2023	04.02.2023	Revision training	55
23					05.02.2023	07.02.2023		51
24					11.02.2023	13.02.2023		36
25					14.02.2023	16.02.2023		43
26					21.02.2023	23.02.2023		28
<b>Total</b>						<b>741</b>		
<i>Sundergram Award Training through Yashda</i>								
1	Sarpanch, Deputy Sarpanch, Village Sevak, Savings Group President	Z.P	13.03.2023	14.03.2023	Revision training	18		
<i>Disaster Management Training through Yashda</i>								
1	NCRPMP II phase Disaster Management	Various departments	04.03.2023	06.03.2023	Revision training	30		
2			04.03.2023	06.03.2023		25		
3			12.03.2023	14.03.2023		24		
4			12.03.2023	14.03.2023		21		
<b>Total</b>						<b>100</b>		
<b>Total Chandrapur Academy</b>						<b>2986</b>		

**TABLE - 48****POSITION OF STAFF IN FOREST DEPARTMENT**

7.3 The position of sanctioned staff as on 31st March 2023 in Forest Department (including Social Forestry Staff) is given in the following Table.

Sr. No.	Category / Name of Post	Total No. of Sanctioned posts	No. of Posts filled in	No. of posts vacant
<b>Group - A</b>				
1	Principal Chief Conservator of Forests	7	6	1
2	Additional Principal Chief Conservator of Forests	13	9	4
3	Chief Conservator of Forests	14	9	5
4	Conservator of Forests	23	11	12
5	Deputy Conservator of Forests	76	71	5
6	Divisional Forest Officer	109	28	81
7	Chief Forest Statistician	1	1	0
8	Forest Engineer	1	0	1
9	Administrative Officer	20	15	5
10	Forest Statistician	6	3	3
11	Deputy Forest Engineer	13	5	8
12	Asstt. Conservator of Forests	289	166	123
13	Asstt. Commissioner (Wildlife)	3	0	3
14	Deputy Commissioner (Wildlife)	1	0	1
15	Asstt. Director	1	0	1
16	Forest Settlement Officer	6	5	1
17	Sr. Personal Assistant	3	1	2
18	Personal Assistant	9	9	0
19	Veterinary Officer	8	0	8
<b>TOTAL GROUP - A</b>		<b>603</b>	<b>339</b>	<b>264</b>

Sr. No.	Category / Name of Post	Total No. of Sanctioned posts	No. of Posts filled in	No. of posts vacant
<b>Group B (Gazetted)</b>				
1	Assistant Forest Statistician	14	7	7
2	Office Superintendent	73	46	27
3	Range Forest Officer	991	887	104
4	Assistant Engineer	3	0	3
5	Sectional Engineer	17	10	7
6	Assistant chemical Analyser	1	0	1
7	Deputy Superintendent, Land Record (Deputation)	3	3	0
8	Supervisor, BRTC	1	0	1
9	Handicraft Instructor, BRTC	2	0	2
<b>Total Group B</b>		<b>1105</b>	<b>953</b>	<b>152</b>

Sr. No.	Category / Name of Post	Total No. of Sanctioned posts	No. of Posts filled in	No. of posts vacant
<b>Group B (Non Gazetted)</b>				
1	Stenographer (H.G.)	35	21	14
2	Stenographer (L.G.)	45	15	30
3	Ranger Surveyor	56	48	8
4	Jr. Engineer	10	2	8
<b>Total Group B (Non Gazetted)</b>		<b>146</b>	<b>86</b>	<b>60</b>
<b>Group C</b>				
1	Chief Accountant	168	163	5
2	Accountant	874	736	138
3	Clerk	1648	1292	356
4	Forester	3025	2958	67
5	Forest Guard	9785	7466	2319
6	Surveyor	204	114	90
7	Senior Statistical Assistant	20	11	9
8	Police Sub-Inspector (Wireless)	3	3	0
9	Junior Statistical Assistant	20	9	11
10	Steno Typist	4	4	0
11	Tracer	9	9	0
12	Armed Police	150	110	40
13	Police Constable	15	11	4
14	Driver	500	411	89
15	Mechanic	11	11	0
16	Mahawat	15	6	9
17	Wireless Operator	2	1	1
18	Other	70	56	14
<b>Total Group C</b>		<b>16523</b>	<b>13371</b>	<b>3152</b>
<b>Group D (Other Class IV)</b>		<b>947</b>	<b>772</b>	<b>175</b>
<b>Other class IV (Supernumerary Van Major)</b>		<b>5665</b>	<b>5665</b>	<b>0</b>
<b>Total (Group C + Group D + Other Class IV)</b>		<b>23135</b>	<b>19808</b>	<b>3327</b>
<b>Total A,B,C,D and Other class IV</b>		<b>24989</b>	<b>21186</b>	<b>3803</b>

Source-APCCF(Administration-Subordinate Cadre)

The position of sanctioned posts in various categories during the year 2022-23 is as under

Sr.No.	Category	No. of Sanctioned Posts	Posts filled in	Vacant Posts
1)	Group A	603	339	264
2)	Group B (Gazetted)	1105	953	152
3)	Group B (Non Gazetted)	146	86	60
4)	Group C	16523	13371	3152
5)	Group D	947	772	175
<b>Total A,B, C, D</b>		<b>19324</b>	<b>15521</b>	<b>3803</b>
<b>Other class IV</b>		<b>5665</b>	<b>5665</b>	<b>0</b>
<b>Total</b>		<b>24989</b>	<b>21186</b>	<b>3803</b>

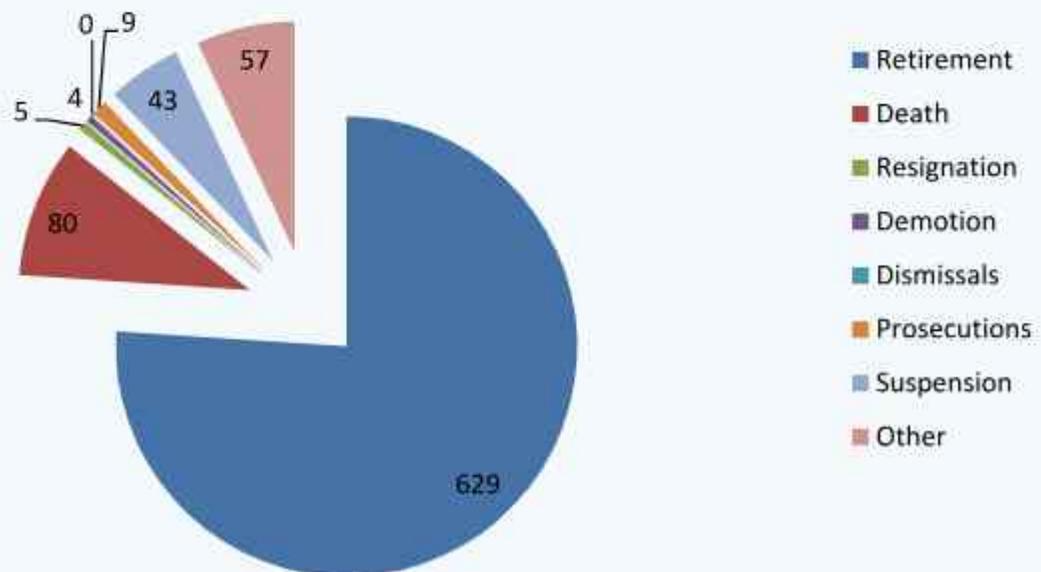
Source-APCCF(Administration-Subordinate Cadre)

7.4 The information regarding retirement, casualties, and punishment inflicted during the year under report is as under.

**TABLE - 49**  
**CASUALTIES AND PUNISHMENTS - 2022-23**

Circle	Retire ment	Death	Resign ation	Degrada tion	Dismiss als	Prosecu tions	Suspen sion	Other	Total
Thane	66	12	0	0	0	0	4	4	86
Nashik	67	5	1	0	0	4	2	21	100
Dhule	53	7	2	0	0	0	7	0	69
Pune	52	6	0	0	0	3	7	0	68
Kolhapur	32	6	0	0	0	0	0	5	43
Ch. Sambhajinagar	89	14	0	0	0	0	7	2	112
Amravati	54	5	1	0	0	0	6	0	66
Yavatmal	57	5	0	0	0	0	1	0	63
Nagpur	44	3	0	0	0	0	0	5	52
Chandrapur	47	3	0	0	0	0	3	3	56
Gadchiroli	51	12	0	4	0	2	6	0	75
PCCF Office	7	0	0	0	0	0	0	0	7
T & M Ballarshah	10	2	1	0	0	0	0	17	30
<b>Total</b>	<b>629</b>	<b>80</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>9</b>	<b>43</b>	<b>57</b>	<b>827</b>

**CASUALTIES & PUNISHMEN**



## 7.5 Health of Staff

The forest staff generally maintains normal health throughout the year. Adequate medical facilities were provided to the staff working in bad climate and interior areas. The forest dispensaries, one at Tarubanda of West Melghat Division and other at Forest Ranger's College, Chikhaldara in Amravati circle are functioning, properly during the year under the report. It has also been decided to raise welfare funds i.e. Van Kalyan Nidhi for the betterment and welfare of Forest employees including officers and staff. This Van Kalyan Nidhi is being utilized for medical purposes as well as for providing insurance cover.

## 7.6 Inspection And Tours

The Principal Chief Conservator of Forests, Additional Principal Chief Conservator of Forests (All), Chief Conservator of Forests(All) visited the forest areas under their jurisdiction from time to time. They inspected the forest areas in the State. The territorial Conservator of Forests and Dy. Conservator of Forests & Divisional Forest Officers toured extensively in the forest areas in their jurisdiction and carried out spot inspections of various forestry works in progress during the year under the report.

**TABLE - 50**

**INFORMATION REGARDING RANGE, ROUND AND BEAT (2022-23)**

Sr. No.	Circle	Division	Sub-division	Total	No. of Ranges	No. of Rounds	No. of Beat
1	2	3	4	5	6	7	8
<b>A)</b>	<b>Territorial Circles</b>						
1	Thane	6	0	6	54	274	869
2	Nashik	3	2	5	35	117	384
3	Dhule	5	0	5	37	131	463
4	Pune	3	1	4	26	88	274
5	Kolhapur	5	0	5	38	126	414
6	Ch. Sambhajinagar	6	0	6	38	123	480
7	Amravati	4	0	4	21	81	354
8	Yavatmal	4	0	4	26	94	391
9	Nagpur	4	0	4	44	210	892
10	Chandrapur	3	0	3	19	69	275
11	Gadchiroli	5	0	5	37	166	736
<b>Total Tertorial Circle</b>		48	3	51	375	1479	5532
<b>B) Wildlife Circles</b>		15	0	15	107	327	1156
<b>Grand Total</b>		63	3	66	482	1806	6688



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## CHAPTER - 8

# DEVELOPMENT UNDER ANNUAL PLAN

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## CHAPTER - VIII

# DEVELOPMENT UNDER ANNUAL PLAN

8.1 An investment of Rs. 1857.16 Crores was made on annual plan under various developmental programmes implemented in forestry and related sectors. The targets and achievements under the various developmental works according to various activities are given below.

8.1.1 The Progress made under various schemes implemented by the Forest Department is described in Table 51.

**TABLE - 51**  
**FINANCIAL TARGETS AND ACHIEVEMENTS**  
**[BREAKUP ACCORDING TO ACTIVITY GROUP (UNDER PLAN) FOR THE YEAR 2022-23]**  
**(A) 2406 FORESTRY AND WILDLIFE (GENERAL) (STATE)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Exploitation By Govt Agency Firewood	400.00	314.34
2	Exploitation By Govt. Agency Grass	25.00	2.33
3	Agencies Charges Payable To FDCM	341.55	341.54
4	Pay Adivasi Khatedar Maharashtra Sale Tree By Scaet	300.00	154.26
5	Nature Conservation Wild Life Management and Nature Conservation Scheme	5360.00	4263.86
6	Joint forests Management Scheme	1700.00	746.12
7	Establishment Of Wild Animals Infirmaries (State)	8700.00	7387.84
8	Settlement Of Right And Privileges Rehabilitation Of Villages In Np and Sanctuaries (State)	10000.00	4900.00
9	Eco-Tourism (State)	11000.00	8834.44
10	Computerization Of Forest Department	2500.00	1083.04
11	Strengthening Of State Biodiversity Board	2545.55	1267.68
12	Dr.Shyama Prasad Mukharjee Jan-Van Vikas Yojana	10000.00	6381.44
13	Establishment Of Maharashtra State Zoo Authority (General)	180.85	54.51
14	Establishment Of Maharashtra Eco Tourism Board	270.00	111.02
15	Establishment Of Maharashtra Bamboo Development Board	1000.00	712.19
16	Eco-Taskforce	1691.99	1184.39
17	UNDP GCF Project Enhancing Climate Resilience of India's Costal Communities	2468.05	169.64
<b>TOTAL - A</b>		<b>58482.99</b>	<b>37908.64</b>

**(B) CENTRALLY SPONSORED SCHEMES**

Sr.No.	NAME OF SCHEME	FINANCIAL ( Rs. in lakh)	
		Target	Achievements
1	Forest Fire Prevention and Management ( State Share 40%) (TSP)	226.50	223.52
2	Forest Fire Prevention and Management (Central Share 60%) (TSP)	339.68	335.27
3	Integrated development of wildlife habitats (General) (40 % State share)	1733.34	233.59
4	Integrated development of wildlife habitats(General) (60 % Central share)	2600.01	350.39
5	Modern Forest Fire Control and Management (60% Central Share)	1757.59	115.21
6	Modern Forest fire Control And Management (40 % State Share)	1171.73	76.80
7	Project Elephant ( 60 % Central Share) (SCSP)	49.51	15.66
8	Project Elephant (60% Central share)	325.01	12.86
9	Project Elephant (40% State share)	216.67	8.58
10	Project Tiger (50%Central Share ) (Recurring Expenditure) (TSP)	440.01	132.23
11	Project Tiger (50 %Central Share ) (Recurring Expenditure) (SCSP)	225.01	193.22
12	Tiger Project (50% State Share ) (Recurring Expenditure) (TSP)	440.01	163.82
13	Project Tiger (60 % Central Share ) (Non recurring Expenditure) (SCSP)	337.51	183.86
14	Project Tiger (40% State Share) (Non recurring Expenditure)	7333.34	1645.65
15	Project Tiger (60 % Central Share) (Non recurring Expenditure)	11000.01	373.71
16	Project Tiger (40 % State Share ) (Non recurring Expenditure) (SCSP)	225.01	126.57
17	Project Tiger (50 % Central Share) (Recurring Expenditure)	3500.01	216.62
18	Project Tiger (50 % State Share) (Recurring Expenditure)	3500.01	423.15
19	Project Tiger (50 % State Share ) (Recurring Expenditure) (SCSP)	225.01	194.34
20	Tiger Project ( 60% Central Share) (Non Recurring Expenditure) (TSP)	643.01	177.73
21	Tiger Project (60% Central Share ) (Non Recurring Expenditure) (TSP)	429.01	225.46
<b>TOTAL- B</b>		<b>36717.99</b>	<b>5428.24</b>

**(C) 2406 FORESTRY AND WILDLIFE SFD (STATE) GENERAL**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		( Rs. in lakh)	
		Target	Achievements
1	Management of Bio diversity around the Water bodies in the state	50.00	21.00
2	Pandit Dindayal Upadhaya, Van Udyan with BalVidnyan Bhavan For Conservation of Biodiversity on Forest and Non forest Land and Nature Protection	1000.00	420.00
3	Establishment of Botanical Garden on Chandrapur-Ballarpur Road District Chandrapur	950.76	0.00
4	Van Mahotsav	2000.00	1991.80
5	Motivation, Extension And Training	2000.00	1256.43
6	Protection Of Coastal Area Through Afforestation	33.00	23.10
7	Dr.Babasaheb Ambedkar Standardization And Modernization Of Central Nurseries	2000.00	1990.01
8	Monitoring And Evolution And Social Forestry Scheme	20.00	9.80
9	Student Harit Sena	250.00	126.24
<b>TOTAL-C</b>		<b>8303.76</b>	<b>5838.38</b>

**(D) 4406 FORESTRY AND WILDLIFE SFD (STATE) GENERAL**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		( Rs. in lakh)	
		Target	Achievements
1	Roadside/Canal side/Rail side Plantation	32714.60	28319.74
2	Greening of Degraded Hills	810.30	454.53
<b>TOTAL-D</b>		<b>33524.90</b>	<b>28774.27</b>

**(E) 2406 FORESTRY AND WILDLIFE (TRIBAL SUB PLAN) (STATE)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		( Rs. in lakh)	
		Target	Achievements
1	Development of Tourism in Forest area	1500.00	11.45
<b>TOTAL-E</b>		<b>1500.00</b>	<b>11.45</b>

**(F) 2406 FORESTRY AND WILDLIFE (GENERAL) (District)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		( Rs. in lakh)	
		Target	Achievements
1	Central Nurseries	1134.27	1134.27
2	Development of Forest Tourism / Eco tourism	3112.26	3112.26
3	Joint Forest Management	2058.90	2058.90

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
4	Nature Conservation and Wild Life Management	3373.50	3373.50
5	Reafforestation of Degraded Forest	4799.09	4799.09
<b>TOTAL-F</b>		<b>14478.02</b>	<b>14478.02</b>

**(G) 2406 FORESTRY AND WILDLIFE (TSP) (District)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Development of Forest Tourism / Eco tourism	671.37	671.37
2	Establishment of Central Nurseries	700.44	700.44
3	Forest preservation from fire	71.22	71.22
4	Joint Forest Management	91.66	91.66
5	Reafforestation of Degraded Forest	535.96	535.96
<b>TOTAL-G</b>		<b>2070.65</b>	<b>2070.65</b>

**(H) 2406 FORESTRY AND WILDLIFE (OTSP) (District)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Development of Forest Tourism / Eco tourism	79.32	79.32
2	Establishment of Central Nurseries	6.34	6.34
3	Forest preservation from fire	411.68	411.68
4	Joint Forest Management	294.13	294.13
5	Reafforestation of Degraded Forest	405.23	405.23
<b>TOTAL-II</b>		<b>1196.70</b>	<b>1196.70</b>

**(I) 4406 FORESTRY AND WILDLIFE (GERENAL) (STATE)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Forest Building	6000.00	4200.00
2	Survey Settlement And Demarcation Of Forest	8100.00	5713.59
3	Scheme Financed From Development Tax	600.00	440.98
4	Forest Development Corporation of Maharashtra,Ltd.	0.01	0.00
5	Massive Afforestation Programme	53168.92	45639.35
6	Construction Of water pounds	1100.00	979.95
7	Construction Of Protection Wall In Sanjay Gandhi National Park (State)	165.00	75.06
8	Preliminary Works Of Proposed Zoo At Gorewada	10000.00	7000.00
<b>TOTAL -I</b>		<b>79133.92</b>	<b>64048.92</b>

**(J) 4406 FORESTRY AND WILDLIFE (GENERAL) (District)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Buildings in Forest	684.75	684.75
2	Forest Roads & Bridges	686.92	686.92
3	Soil and water conservation Works in Forests	8843.09	8843.09
<b>TOTAL- J</b>		<b>10214.76</b>	<b>10214.76</b>

**(K) 4406 FORESTRY AND WILDLIFE (TSP) (District)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Construction of water pounds	525.49	525.49
2	Development of Minor Forest Produce	121.53	121.53
3	Forest Roads & Bridges	264.61	264.61
4	Plantation of forest species for industrial and commercial uses	281.11	281.11
5	Plantation Programme	121.47	121.47
6	Soil and water conservation Works in the Forests	2976.49	2976.49
7	Forest Buildings	839.54	839.54
<b>TOTAL-K</b>		<b>5130.24</b>	<b>5130.24</b>

**(L) 4406 FORESTRY AND WILDLIFE (OTSP) (District)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Construction of water pounds	340.34	340.34
2	Forest Roads & Bridges	44.57	44.57
3	Plantation of forest species for industrial and commercial uses	71.06	71.06
4	Plantation Programme	302.74	302.74
<b>TOTAL-L</b>		<b>758.71</b>	<b>758.71</b>

**(M) 2415 AGRICULTURE RESEARCH AND EDUCATION (STATE) GENERAL**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Kundal Academy of Development, Administration And Management (Forest)	1000.00	642.93
2	Chandrapur Forestry Academy of Administration, Development & Management, Chandrapur	5350.59	3725.15
<b>TOTAL-M</b>		<b>6350.59</b>	<b>4368.08</b>

**(N) 4415 CAPITAL OUTLAY ON AGRICULTURE RESEARCH AND EDUCATION (STATE) GENERAL**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Research Station And Experimental Trials And Field Trials	68.50	62.27
2	Training of Forests Staff (state)	170.15	126.79
3	Bamboo Research and Training Center, Chichpalli, Dist.Chandrapur	2297.90	1969.51
<b>TOTAL-N</b>		<b>2536.55</b>	<b>2158.57</b>

**(O) 9999 DISTRICT GENERAL**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Compensation to the Farmers for Damages caused by the Wildlife	139.81	139.81
2	Works for Protection of Forest	1998.00	1998.00
3	Protection of Fire	78.29	78.29
4	Strengthening and Modernization of Farmer and Government nurseries	451.70	451.70
5	Village Eco-development and Tribal Development	15.00	15.00
6	Jalyukta Shivar	99.27	99.27
7	New Scheme	426.61	426.61
<b>TOTAL - O</b>		<b>3208.68</b>	<b>3208.68</b>

**(P) 9999 DISTRICT (TSP)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	New Scheme	39.59	39.59
2	LPG	25.04	25.04
<b>TOTAL - P</b>		<b>64.63</b>	<b>64.63</b>

**(Q) DISTRICT (Other Scheme)**

Sr.No.	NAME OF SCHEME	FINANCIAL	
		(Rs. in lakh)	
		Target	Achievements
1	Industrial and Commercial Use Bamboo Plantation (TSP)	57.45	57.45
<b>TOTAL - Q</b>		<b>57.45</b>	<b>57.45</b>
<b>Grand Total of Plan Schemes (A to Q)</b>		<b>263730.54</b>	<b>185716.39</b>

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## CHAPTER - 9

# WELFARE ACTIVITIES FOR BACKWARD CLASSES

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## CHAPTER - IX

# WELFARE ACTIVITIES FOR BACKWARD CLASSES

9.1 The forest management in the state has always given due consideration to amelioration of living and economic condition of people inhabiting in forest areas. Adiwasis, forest dwellers and other backward classes who form bulk of this population were the principal beneficiaries and forestry operations provided employment on large scale to adiwasis, forest dwellers and backward class people. The forest department made sustained efforts towards the welfare of these backward people through measures like addressing to their essential needs of forest produce like small timber, fuel and grazing facilities and also provided amenities like schools, dispensaries, labour shed, and drinking water facilities to the extent possible.

### 9.1.1 Concession in respect of forest and forest produce

The dwellers in villages situated in or near the forest tracts were granted concessions and privileges in respect of use of forest and removal of various forest produce there from. Under "Nistar Policy" forest produce from the coupes under exploitation was made available at concessional rates. The coupes are annually selected by the forest officers & special conditions of "Nistar" were applied to those coupes in consultation with the Forest Labourer's Co-operative Societies to supply the quantity of "Nistar" material to people in forest during exploitation of coupes allotted to them. In addition to this, left over and waste timber, fallen and dead fuel wood were allowed to be removed free for domestic use as well as on permit basis at concessional rates for small house hold industries. Under grazing settlement, free grazing is allowed to agricultural cattle up to limit of eight cattle units per family.

Estimated quantity and value of forest produce given away free or at concessional rates (including Nistar) by Forest Department during the year 2022-23 is as below.

**TABLE - 52**  
**SUPPLY OF FOREST PRODUCE UNDER 'NISTAR' FREE OR AT CONCESSIONAL RATES]**  
**(The period of supply is 1<sup>st</sup> Oct to 30th Sept every year)**

Sr. No.	Forest Produce	Unit	Quantity Supplied	Value of Forest Produce (Including Nistar) (Rs.in Lakh)	No. of Beneficiaries
1	Firewood	Beat	13324.81	52.8	9980
		Quintal	996.15	5.86	834
2	Bamboo (Burad)	Nos	54946	12.58	416
	Bamboo (Kastkar)	Nos	18594	3.83	188
	Chapati Bamboo	No.s	11356	3.55	360
<b>Total</b>				<b>78.62</b>	<b>11778</b>

Source - DCF (Resource Utilisation)

## 9.2 Employment of Labour

Various forestry works executed by the department provided employment on large scale especially to adiwasis and backward class people who were residing near and in the forest areas. Total labour employment during 2022-23 (including activities like Western Ghat Development, RVP & EGS) was broadly assessed at 26028.87 thousand man-days as given in Table No. 30 of Chapter IV. The labourers were paid wages as per "Wage Board's" sanctioned rates.

## 9.3 Grant of 7% of Forest Revenue to Zilla Parishad

An amount of Rs. 7.06 crores of forest revenue was given to Zilla Parishads as grant-in-aid by Govt. for such works as development of village forests, grazing lands, construction & maintenance of roads in forest areas, provision of medical relief & drinking water facilities, construction of public buildings and small rooms etc.

### 7% GRANTS TO Z.P. FOR THE YEAR 2022-23

(Rs. In Lakh)

Sr.No.	Circle	Division	Name of Z.P.	Total Grants
1	Nagpur	Nagpur	Nagpur	21.29
		Wardha	Wardha	6.73
		Bhandara	Bhandara	11.37
		Gondia	Gondia	33.08
2	Amravati	Amravati	Amravati	3.65
		Buldhana	Buldhana	0.03
		Akola	Akola	0.11
3	Yavatmal	Yavatmal	Yavatmal	15.68
		Washim	Washim	1.43
4	Chandrapur	Central Chanda	Chandrapur	9.73
5	Gadchiroli	Gadchiroli	Gadchiroli	554.76
6	Pune	Pune	Pune	0.01
		Solapur	Solapur	0.01
7	Thane	Thane	Thane	0.15
		Afibag	Raigad	0.06
8	Nashik	Nashik	Nashik	2.48
		Ahmadnagar	Ahmadnagar	1.82
9	Dhule	Dhule	Dhule	0.78
		Nandurbar	Nandurbar	2.36
		Jalgaon	Jalgaon	3.13
10	Kolhapur	Kolhapur	Kolhapur	11.09
		Satara	Satara	2.47
		Sawantwadi	Sindhudurg	1.48
		Sangali	Sangali	1.01
		Chiplun	Ratnagiri	1.59

(Rs. In Lakh)

Sr.No.	Circle	Division	Name of Z.P.	Total Grants
11	Ch. Sambhajinagar	Ch. Sambhajinagar	Ch. Sambhajinagar	0.83
		Ch. Sambhajinagar	Jalna	0.10
		Nanded	Nanded	15.87
		Beed	Beed	0.41
		Osmanabad	Osmanabad	0.29
		Latur	Latur	0.11
		Parbhani	Parbhani	0.25
		Parbhani	Hingoli	1.90
<b>Total</b>				<b>706.07</b>

#### 9.4 Forest Labourers Co-operative Society

9.4.1 The circle-wise position in respect of working of Forest Labour Co-operative Societies during 2022-23 was as under

Sr No	Circle	Number of Societies	No. of Coupes Worked	Total Realization (Rs. In Lakh)
1	Nashik	33	0	0
2	Dhule	5	0	0
3	Yavatmal	30	58	225.02
4	Nagpur	71	76	2169.51
5	Chandrapur	13	12	142.12
6	Gadchiroli	27	67	0.00
7	Amravati	12	12	1854.27
8	Ch.Sambhajinagar	6	28	0.00
<b>Total</b>		<b>197</b>	<b>253</b>	<b>4390.92</b>

\*\* Remaining Circles value are nil

#### 9.5 Achievement under Tribal Sub-Plan

Various forestry works under different plan schemes were undertaken by the Forest Department under Tribal Sub Plan in 2022-23. Achievements are given below.

**TABLE - 53****ACHIEVEMENTS UNDER TRIBAL SUB-PLAN FOR 2022-23**

S.No.	Scheme / Programme	Sector	Description of Physical works carried out.	Financial Achievement ( in Lakhs)
1	2	3	4	5
1	Plantation of species for General use	TSP(District)	Committed PPO Works	718.39
		OTSP(District)	Committed PPO Works	432.73
2	Construction of stone check dam	TSP(District)	--	3504.52
		OTSP(District)	--	804.37
3	Reforestation of Degraded Forest	TSP(District)	Committed PPO Works	989.57
		OTSP(District)	Committed PPO Works	94.36
4	Establishment of Central Nurseries	TSP(District)	Strengthening of Central Nursery	548.77
		OTSP(District)	Strengthening of Central Nursery	140.74
5	Joint Forest Management	TSP(District)	Committed PPO Works	286.69
		OTSP(District)	Committed PPO Works	17.08
6	Plantation Programme	TSP(District)	Committed PPO Works	108.17
		OTSP(District)	Committed PPO Works	167.55
7	Forest Protection from Fire	TSP(District)	Fireline works	565.86
		OTSP(District)	Fireline works	340.63
8	Development of Minor Forest Produce	TSP(District)	Committed PPO Works	557.32
		OTSP(District)	Committed PPO Works	20.94
9	Forest Building, Roads and Bridges	TSP(District)	Repair of Forest Building, Roads and Bridges	330.11
		OTSP(District)	Repair of Forest Building, Roads and Bridges	529.85
10	Forest Communication and Building	TSP(District)	Repair works	85
11	Amenities to staff and labour	TSP(District)	Construction of Building, Supply of Drinking water	40.86
12	New Scheme	TSP(District)	Repairing of Rest House	69.64
		OTSP(District)	—	9.8
13	Supply of Cooking Gas and Solar cooker to schedule tribe beneficiaries	TSP(District)	Supply of cooking gas	89.93
		OTSP(District)	Supply of cooking gas	25.47
14	Plantation for general use	TSP(District)	Preparation of Seedlings work	1.26

S.No.	Scheme / Programme	Sector	Description of Physical works carried out.	Financial Achievement ( in Lakhs)
1	2	3	4	5
15	Nature Conservation and Wild Life Management	TSP(District)	Conservation of Wild Life	8
		OTSP(District)	Conservation of Wild Life	185.12
16	Forest Tourism in Tribal Areas	TSP (State)	Tourism work carried out in Forest areas.	257.07
		OTSP(District)	Tourism work carried out in Forest areas.	399.2
17	Forest Protection work	OTSP(District)	Forest Protection work	184.68
18	Soil and Water Conservation Works	TSP(District)	Soil and Water Conservation Works in the Forests	344.84
		OTSP(District)	Soil and Water Conservation Works in the Forests	226.59
<b>TOTAL (District Plan)</b>		Total TSP(District)		<b>8506.00</b>
		Total OTSP(District)		<b>3579.11</b>
		Grand TOTAL		<b>12085.11</b>

Source: Desk- 1, Principal Chief Conservator of Forests(Budget, Planning and Development), M.S. Nagpur

## 9.6 Trading of Forest Produce through the Tribal Development Corporation of Maharashtra. Ltd.

In the Tribal areas, where provisions of Maharashtra Tribal Economic Conditions Improvement Act, 1976 is in force, trading of hirda, gum, moha seeds and flowers & other minor forest produce governed under the said Act was done by Government through the Maharashtra State Tribal Development Corporation. The Tribal Development Corporation collects the forest produce in the tribal areas through its purchase centers located in various districts.

## 9.7 The Maharashtra Felling of Trees by occupants belonging to Scheduled Tribes (Regulation) Act, 1964.

9.7.1 The Govt. of Maharashtra has amended this act in 1989 vide notification no. TRS-1089/1490/CR--32/89/F-6, dated 26/11/1989 and the R.F.O. is empowered to work as "Tree Officer" for regularization of certain trees within his jurisdiction.

If any person wishes to fell trees other than the scheduled trees, then permission from concerned Tahsildar is sought under the provision of Section 25 of Maharashtra Land Revenue Code, 1966 which states that, trees on the banks of river, nallah & streams are to be retained and retention of 20 trees per acre is the criterion for reservation. For the breach of the provision of this act, punishment not exceeding of Rs. 1000/- along with the forfeiture of the

felled material and the tools used for exploitation along with bullock cart & other equipment etc.

The progress made in respect of Maharashtra Felling of Trees (Regulation) Act 1964 is given in Table 54.

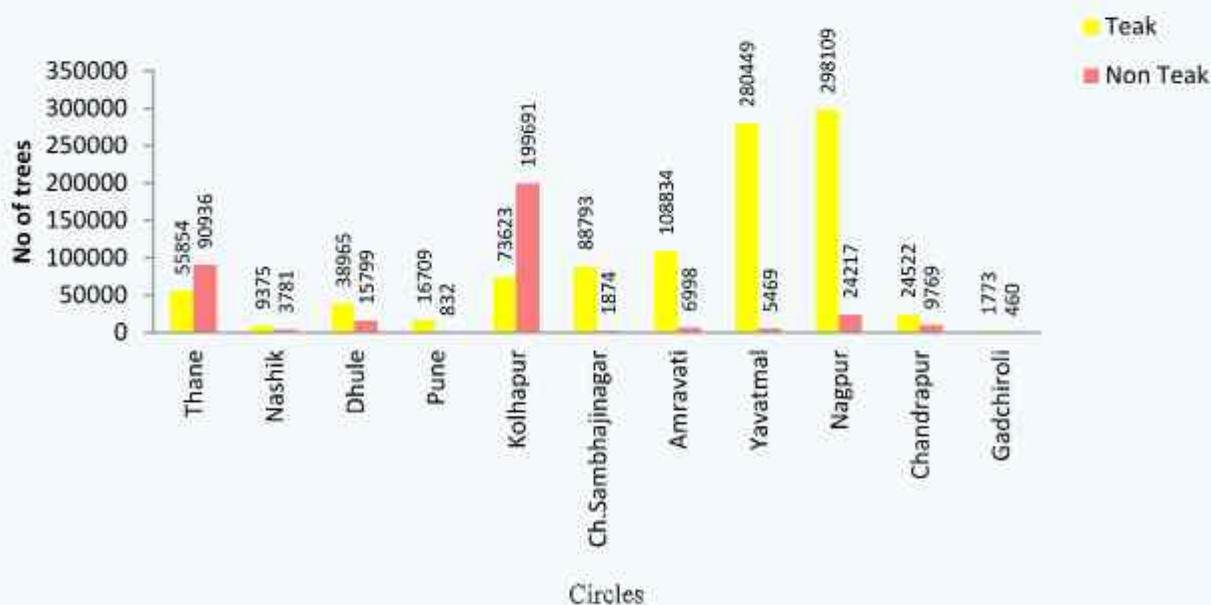
**TABLE - 54**

**NO. OF CASES PERMITTED FOR FELLING UNDER MAHARASHTRA FELLING OF TREES (REGULATION) ACT 1964 (REVISED)**

Sr. No.	Circles	No. of cases permitted for felling	No. of trees permitted for felling		
			Teak	Other	Total
1	Thane	375	55854	90936	146790
2	Nashik	85	9375	3781	13156
3	Dhule	534	38965	15799	54764
4	Pune	82	16709	832	17541
5	Kolhapur	2641	73623	199691	273314
6	Ch. Sambhajinagar	1204	88793	1874	90667
7	Amravati	1765	108834	6998	115832
8	Yavatmal	2108	280449	5469	285918
9	Nagpur	2356	298109	24217	322326
10	Chandrapur	532	24522	9769	34291
11	Gadchiroli	31	1773	460	2233
12	Nagpur WL	3	242	149	391
<b>Total 2022-23</b>		<b>11716</b>	<b>997248</b>	<b>359975</b>	<b>1357223</b>
<b>2021-22</b>		<b>11113</b>	<b>863665</b>	<b>210044</b>	<b>1073709</b>

Source- CCF Forest Regulation

**NUMBER OF TREES PERMITTED FOR FELLING ON PRIVATE LAND**



**9.8 The Maharashtra Sale of trees by occupants belonging to Scheduled Tribes (Regulation) Act 1969.**

**9.8.1** Where it was necessary to regularize the disposal of trees standing in the holdings of persons belonging to scheduled tribes in the State of Maharashtra and to provide for matters concerned therewith, this act was enacted from 3rd March, 1969 to safeguard the interest of poor and ignorant tribals.

**9.8.2** As per the provision of this act, in case of Adivasi Malki cases, the felling of trees, transportation, sales etc. are carried out departmentally and the sales proceeds are transferred to the tribals after deducting the expenditure incurred by the Govt. It also provided for payment of the 50% amount of the approximate cost of the material extracted as a part advance payment through crossed cheques.

**9.8.3** This act was amended in 1991 vide ordinance of 14th Feb. 1991 and the section 4 of this Act was deleted due to which all past contracts before the appointed day i.e. 3rd March 1969 stood cancelled. In this way the involvement of the contractors in such timber business is reduced and the misuse is avoided. Now it is possible to pay the maximum amount to tribals through Govt. by way of Departmental Sales. The progress made in this respect is given in the table -55.

**TABLE - 55**

**MAHARASHTRA SALE OF TREES BY OCCUPANTS BELONGING SCHEDULED TRIBE REGULATION ACT-1969**

Sr. No.	Circle	Total Nos. Cases received	No. of Cases disposed off	Material obtained (Cu.M.)	Total Value fetched (Rs. in Lakh)	Expenditure Incurred by Govt (Rs. in Lakh)	Amount paid to Adivashi occupants (Rs. in Lakh)
1	2	3	4	5	6	7	8
1	Thane	28	17	2820.37	148.76	0.08	94.56
2	Nashik	2	0	78.51	0	0	0
3	Ch. Sambhaji nagar	94	50	281.21	68.84	0	68.84
4	Amravati	15	15	29.96	0	0	0
5	Yavatmal	146	127	1954.00	379.56	6.6	372.96
6	Nagpur	92	51	615.51	199.58	36.44	119.21
7	Chandrapur	176	151	4129.28	38.29	0	9.78
8	Gadchiroli	30	30	553.77	147.45	1.14	39.65
<b>TOTAL 2022-23</b>		<b>583</b>	<b>441</b>	<b>10462.61</b>	<b>982.47</b>	<b>44.26</b>	<b>705.00</b>

\*\* Remaining Circles values are nil

**9.8.4** For breach of provision of this act, there is a provision for fine to the extent of Rs. 2000/- or with added imprisonment for a term, which may extend to six months and trees felled, if any, in contravention of this act, may be confiscated by order of the Court.

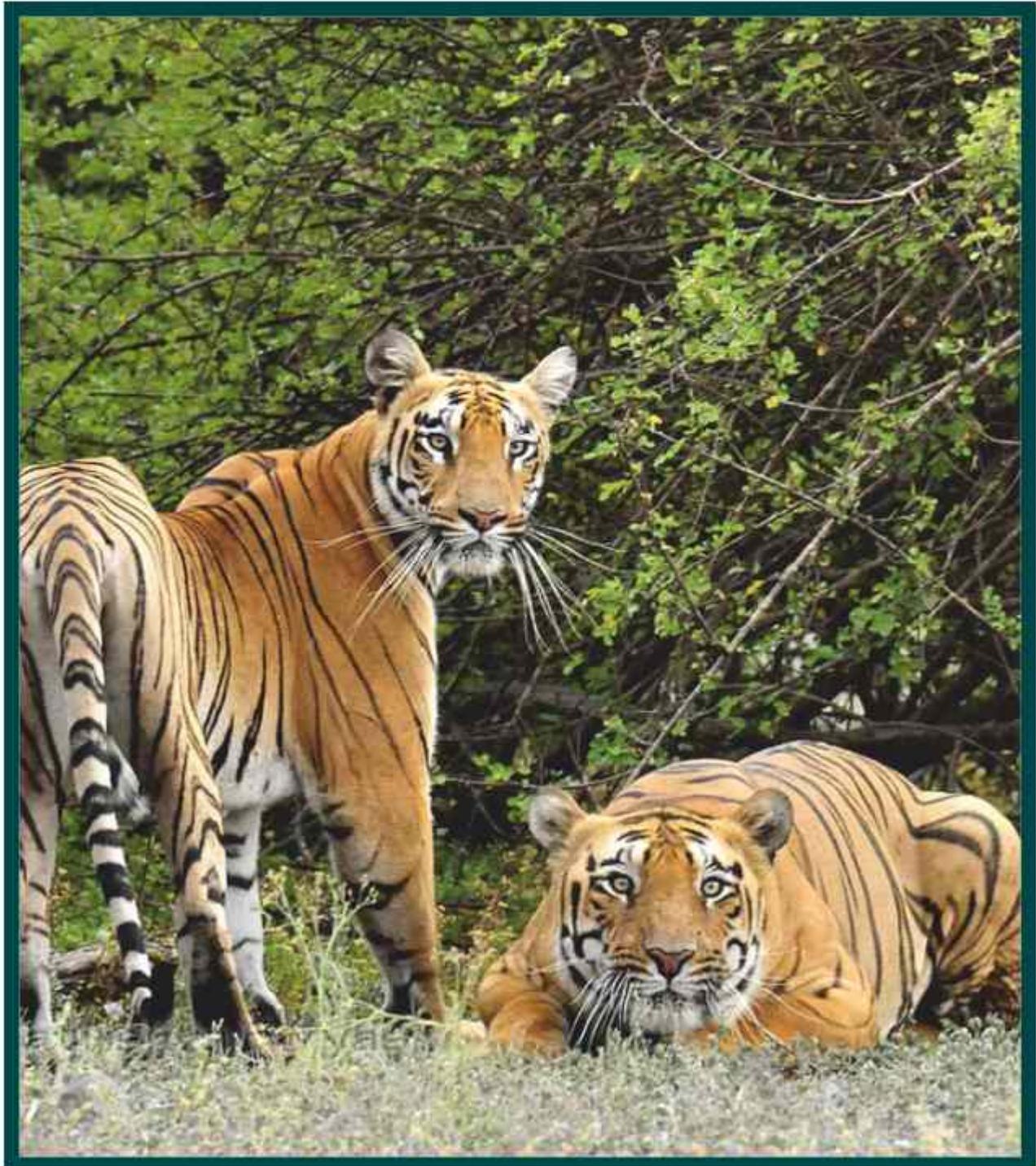


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# CHAPTER - 10

## GENERAL

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## CHAPTER - X GENERAL

### 10.1 Acquisition of Private Forests

10.1.1. In order to ensure comprehensive protection of private forest & their scientific management, Government of Maharashtra enacted the Maharashtra Private Forest (Acquisition) Act, 1975. These forests attained the status of "Reserved Forest" from the date of enforcement of the act and came to be vested with the state. This Act was amended in 1978 whereby the land to the extent of 12 ha, or less was restored to erstwhile owners whose holding stood less than 12 ha. At the end of the year under report the following was the position of some private forests brought under the possession of the Forest Department.

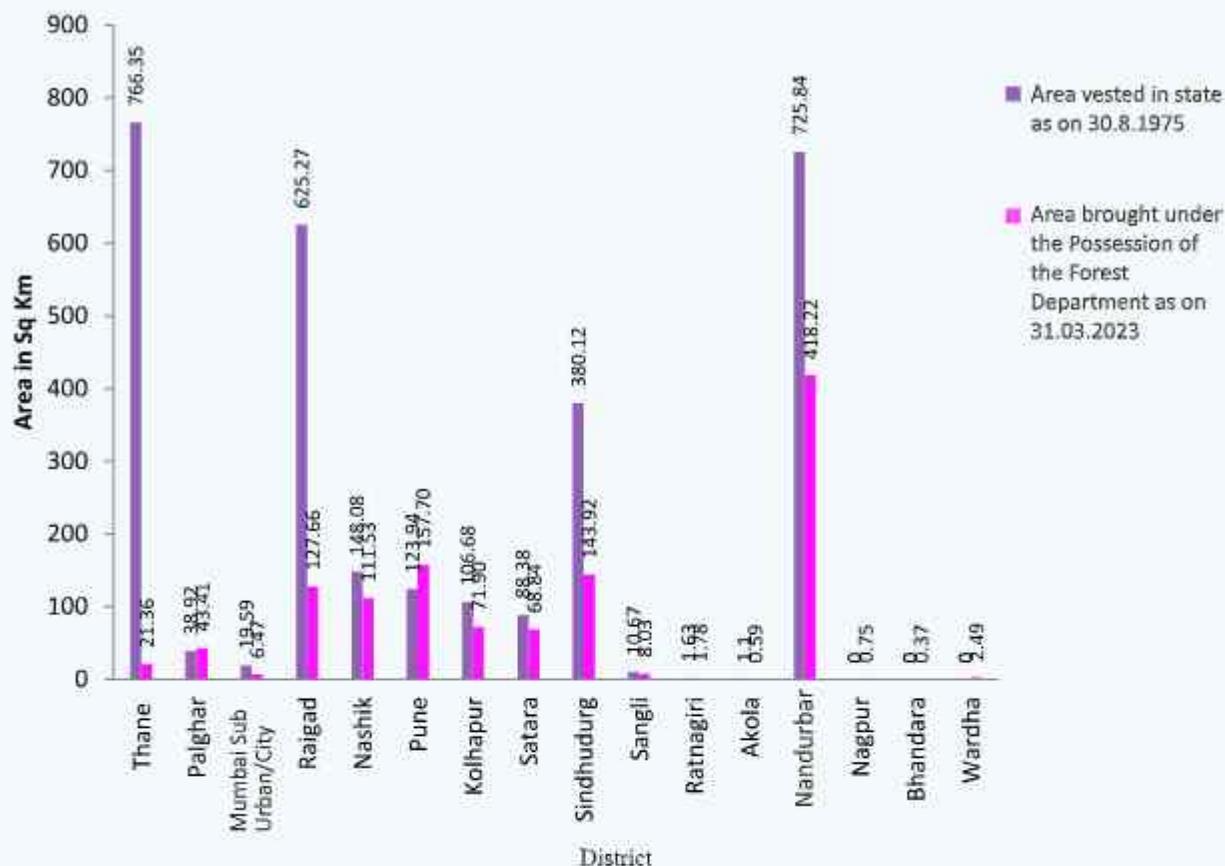
**TABLE - 56**  
**PRIVATE FOREST BROUGHT UNDER THE POSSESSION OF FOREST DEPARTMENT**

(Area in Sq. Km.)

Sr.No.	District	Area vested in state as on 30.8.1975	Area brought under the possession of Forest Department as on 31.03.2023
1	2	3	4
1	Thane	805.27	21.36
2	Palghar		43.41
3	Mumbai Sub-urban/City	19.59	6.47
4	Raigad	625.27	127.66
5	Nashik	148.08	111.53
6	Pune	123.94	157.7
7	Kolhapur	106.68	71.9
8	Satara	88.38	68.84
9	Sindhudurg	380.12	143.92
10	Sangli	10.67	8.03
11	Ratnagiri	1.63	1.78
12	Akola (Amravati circle)	1.1	0.59
13	Nandurbar	725.84	418.22
14	Nagpur	0	0.75
15	Bhandara	0	0.37
16	Wardha	0	2.49
	<b>Total</b>	<b>3036.57</b>	<b>1185.02</b>

Source:- APCCP (Conservation)

## PRIVATE FOREST BROUGHT UNDER THE POSSESSION OF FOREST DEPARTMENT



## 10.2 State Monopoly Trading of Bidi Leaves

10.2.1. Performance of programme of collection and sale of bidi leaves (Tendu & Apta) during 2022-23 under the provisions of Maharashtra Minor Forest Produce (Regulation of Trade) Act, 1969 was as under

Tendu Units			
Sr. No.	Description of units	2022 Season	2023 Season
1	Number of units /Group of units sold by tender	254	204
2	Number of units /Group of units sold by negotiation	1	8
3	Number of Unproductive units /Group of units	21	52
<b>Total</b>		<b>276</b>	<b>264</b>
Collection and Sale of Tendu Leaves Under PESA			
1	Number of units /Group of units sold by tender	11	12
2	Number of Unproductive units /Group of units	14	20
<b>Total</b>		<b>25</b>	<b>32</b>

APTA UNITS			
Sr. No.	Description of units	2022 Season	2023 Season
1	Number of units sold by tender	5	5
2	Unproductive units	7	6
	<b>Total</b>	<b>12</b>	<b>11</b>

Source:- APCCF (NTFP-M & E)

### 10.2.2 Bonus Distribution for Tendu leaves collection

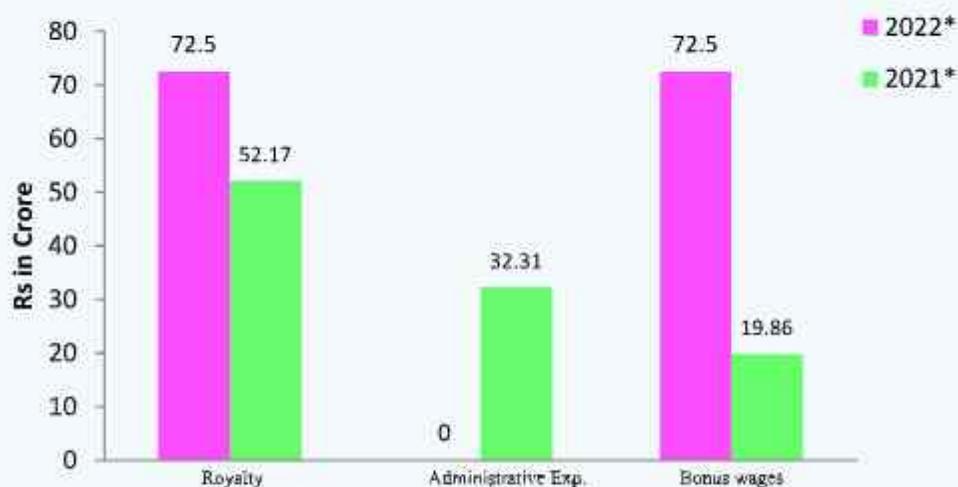
Amount of bonus distributed to the families collecting Tendu leaves in the year 2020, 2021 & 2022. is as follows.

Year	Royalty (Rs. in Crore)	Administrative Expenditure (Rs.in Crore)	No.of tendu leave collectors in '000'	Bonus wages (Rs. In Crore)	Status of Bonus distribution	
					No.of tendu leave collectors in '000	Bonus wages distributed (in Crore)
1	2	3	4	5	6	7
2022*	72.5	0	167	72.5	164	71.6
2021*	52.17	32.31	160	19.86	157	19.67
2020*	22.94	3.62	96	0	0	0

\* figures are provisional

Source- Figures as per report by APCCF(NTFP), M. S. Nagpur

## TENDU BONUS



## 10.3 Forest (Conservation) Act, 1980

**10.3.1** This Act came into force from 25.10.1980 with a view to ensure that no forest land is used for non-forestry purpose except with the prior approval of the Central Government. The proposals under purview of this act, received from the project authorities, are submitted to Central Govt. through proper channel.

Position of proposals received, sanctioned, pending and the area involved during the year 2022- 23 is given in Table 57.

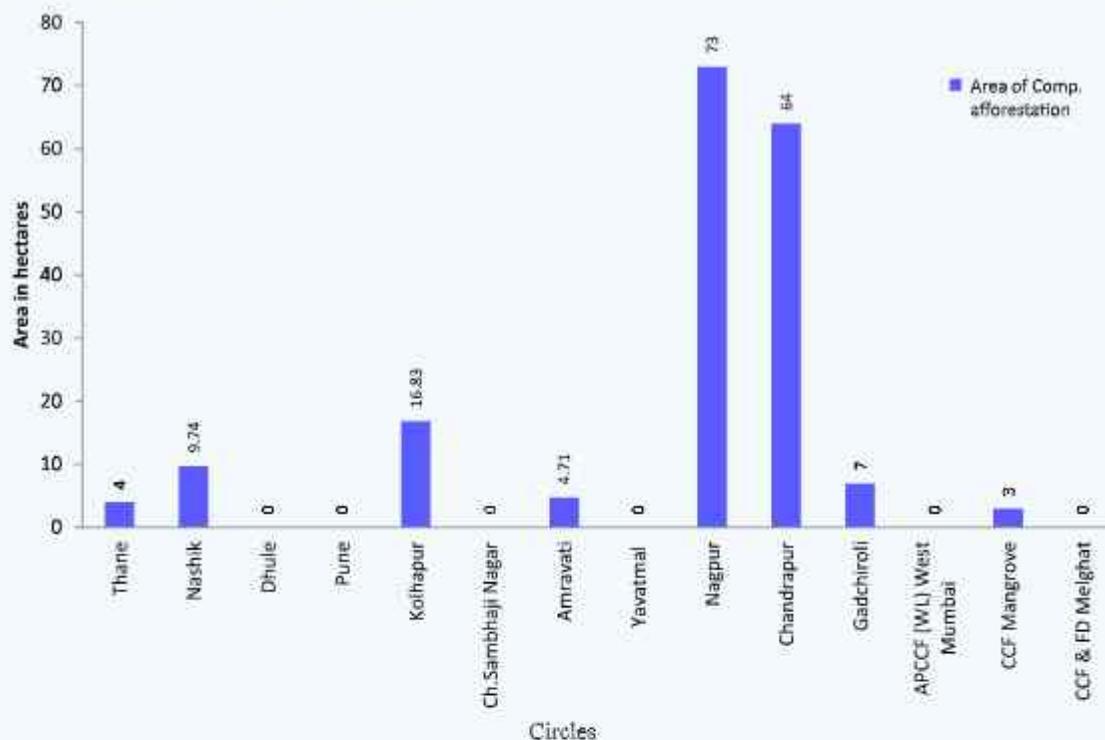
TABLE - 57

PROPOSALS RECEIVED AND DISPOSED OFF DURING THE YEAR 2022-23 UNDER FOREST CONSERVATION ACT 1980 (Area in Ha.)

Sr. No.	Circle	Pending Cases to the end of previous year		Cases received during the year		Total		Cases sanctioned by GOI during the year		Cases omitted or rejected during the year		Total Cases disposed off during the year		Cases pending at the close of the year		Area of Comp. Afforestation (FYO)	Exptd. incurred on Comp. Afforestation (FYO)
		No. of cases	Area involved	No. of cases	Area involved	No. of cases	Area involved	No. of cases	Area involved	No. of cases	Area involved	No. of cases	Area involved	No. of cases	Area involved		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	Thane	504	18305.93	47	917.78	551	19223.71	22	299.47	344	14755.05	366	15054.51	185	4169.20	4	5.92
2	Nashik	108	18321.95	10	62.03	118	18383.99	3	8.79	76	18241.75	79	18250.54	39	133.44	9.74	9.96
3	Dhule	172	7072.29	15	1.12	187	7073.41	2	57.86	148	6569.749	150	6627.612	37	445.80	0	0.00
4	Pune	276	1367.10	28	105.59	304	1472.68	29	67.92	153	904.054	182	971.97	122	500.71	0	0.00
5	Kolhapur	212	5902.83	24	38.68	236	5941.51	8	3.36	104	4108.372	112	4111.73	124	1829.78	16.83	10.51
6	Ch.Saambhaji Nagar	52	1223.66	7	14.75	59	1238.41	4	24.50	21	672.021	25	696.52	34	541.89	0	0.00
7	Amravati	91	767.79	10	0.23	101	768.02	7	44.50	40	590.008	47	634.506	54	133.51	4.71	16.59
8	Yavatmal	64	2031.31	32	7.75	96	2039.06	9	107.99	23	1053.592	32	1161.577	64	877.48	0	0.00
9	Nagpur	271	12888.83	19	24.76	290	12913.59	20	200.45	201	11998.2	221	12198.66	69	714.94	73	110.14
10	Chandrapur	88	5484.07	16	65.19	104	5549.26	4	5.77	61	3981.935	65	3987.708	39	1561.56	64	101.15
11	Gadchiroli	77	7018.32	32	3.38	109	7021.70	9	182.12	1	5335.529	10	5517.648	99	1504.05	7	3.69
12	APCCF (WL) West Mumbai	19	1164.56	1	0.07	20	1164.64	1	0.29	1	1041.522	2	1041.809	18	122.85	0	0.00
13	CCF Mangrove	20	78.09	6	78.69	26	156.78	3	36.92	0	5.334	3	42.26	23	114.52	3	3.00
14	CCF & FD Melghat	0	0.00	1	0.15	1	0.15	0	0.00	0	0	0	0.00	1	0.15	0	0.00
	<b>Total</b>	<b>1954</b>	<b>81626.74</b>	<b>248</b>	<b>1320.17</b>	<b>2202</b>	<b>82946.913</b>	<b>121</b>	<b>1039.9</b>	<b>1173</b>	<b>69257.1</b>	<b>1294</b>	<b>70297</b>	<b>908</b>	<b>12650</b>	<b>182.28</b>	<b>260.96</b>

Source-APCCF & Nodal Officer, M.S. Nagpur.

## AREA OF COMPENSATORY AFFORESTATION



### 10.4 Employment Guarantee Scheme

The object of the scheme was to provide productive employment to the rural people with a view to alleviate the problem of rural poverty. Various forestry works such as plantation, afforestation and soil conservation, departmental working of forest roads etc. were undertaken from the funds provided from the scheme. The circle-wise utilization of funds were as under.

**TABLE - 58**

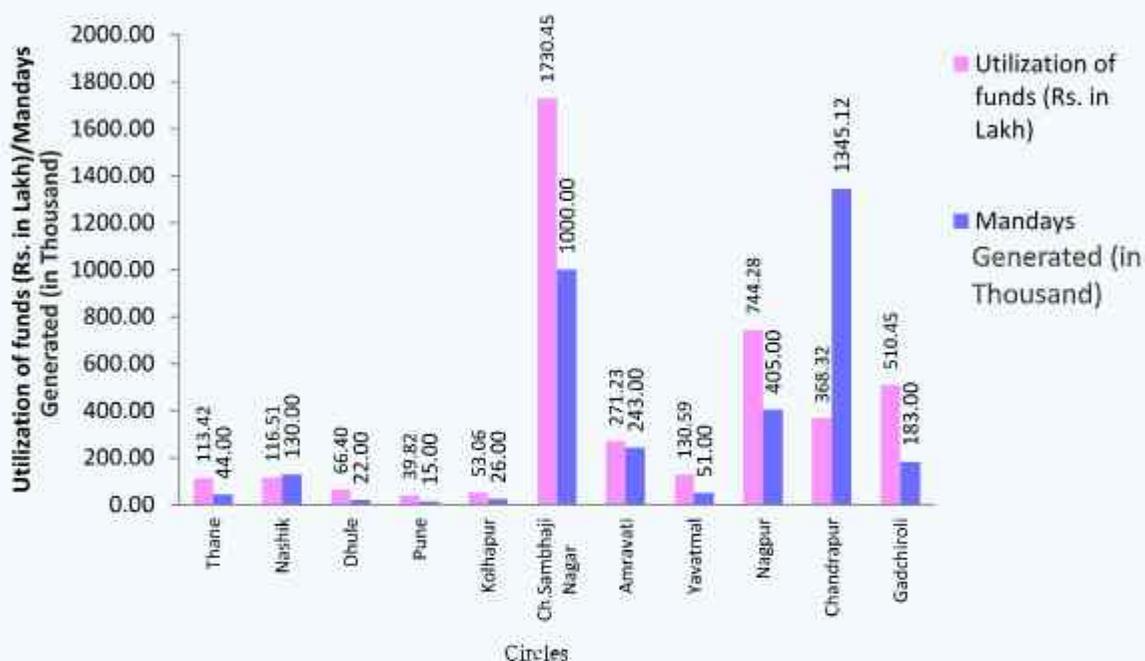
**EXPENDITURE INCURRED UNDER MAHARASHTRA RURAL EMPLOYMENT GUARANTEE SCHEME [MREGS]**

Sr. No.	Circles	Utilization of funds (Rs. in Lakh)	Mandays Generated (in Lakh)
1	2	3	4
1	Thane	113.42	0.44
2	Nashik	116.51	1.30
3	Dhule	66.40	0.22
4	Pune	39.82	0.15
5	Kolhapur	53.06	0.26
6	Ch. Sambhajinagar	1730.45	10.00
7	Amravati	271.23	2.43
8	Yavatmal	130.59	0.51
9	Nagpur	744.28	4.05

Sr. No.	Circles	Utilization of funds (Rs. in Lakh)	Mandays Generated (in Lakh)
1	2	3	4
10	Chandrapur	368.32	13.45
11	Gadchiroli	510.45	1.83
	<b>Grand Total</b>	<b>4144.53</b>	<b>34.64</b>

Source-APCCF (BPD) M.S. Nagpur

## EXPENDITURE INCURRED UNDER MREGS



### 10.5 Encroachment on Forest Land

The problem of encroachment on Forest land was a result of land hunger and was causing serious concern to forest administration. The encroachments were more or less observed to be existing in all the circles. The details of forest area under encroachment and encroachment removed / regularized there from are given in Table 59.

Similarly claims settled under Tribal Act-2006 at Gram-sabha level, Sub-Divisional level and District level is shown in Table 60.

**TABLE - 59**

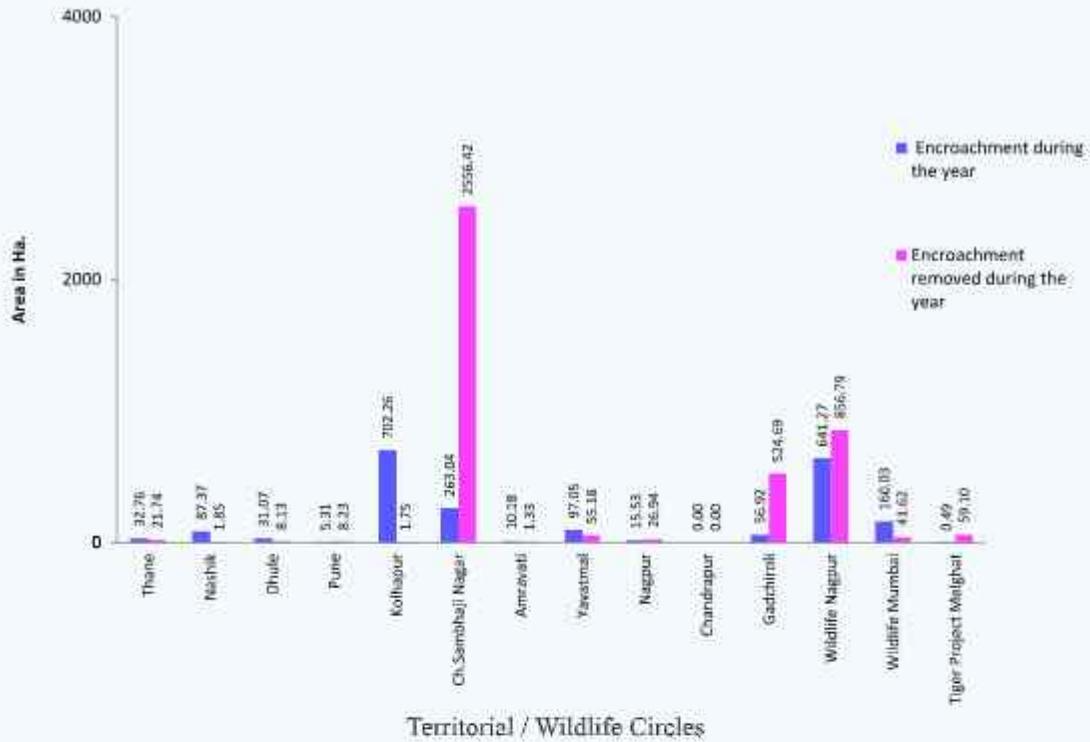
**ENCROACHMENT ON THE FOREST LAND DURING THE YEAR 2022-23**

(Area in Ha)

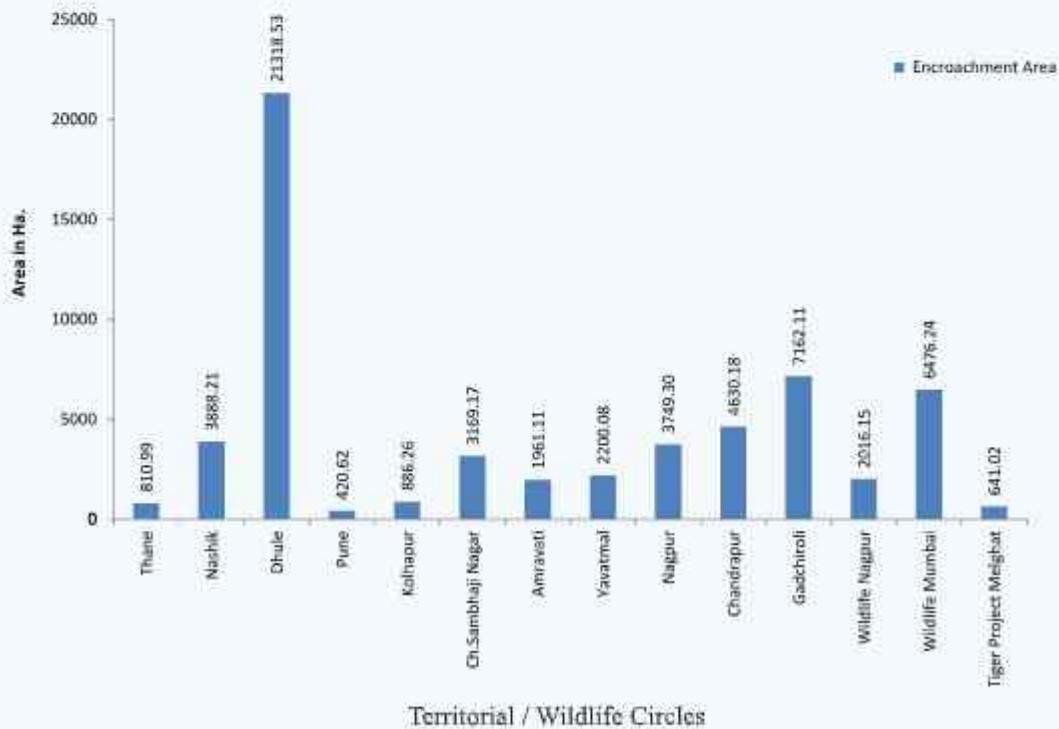
Sr. No.	Circle	Area under encroachment as on 1.4.2022		Encroachment made during the year		Total Encroachment during the year		Encroachment removed during the year		Area under encroachment as on 31.03.2023	
		No. of cases	Area	No. of cases	Area	No. of cases	Area	No. of cases	Area	No. of cases	Area
1	2	3	4	5	6	7	8	9	10	11	12
1	Thane	48406	799.97	460	32.76	48866	832.74	420	21.74	48446	810.99
2	Nashik	9249	3802.69	10	87.37	9259	3890.06	1	1.85	9258	3888.21
3	Dhule	15255	21295.59	20	31.07	15275	21326.66	14	8.13	15261	21318.53
4	Pune	2485	423.53	24	5.31	2509	428.84	15	8.23	2494	420.62
5	Kolhapur	2248	185.75	2459	702.26	4707	888.02	10	1.75	4697	886.26
6	Wildlife Mumbai	33846	6357.83	239	160.03	34085	6517.85	364	41.62	33721	6476.24
7	<b>Total A</b>	<b>111489</b>	<b>32865.37</b>	<b>3212</b>	<b>1018.80</b>	<b>114701</b>	<b>33884.17</b>	<b>824</b>	<b>83.32</b>	<b>113877</b>	<b>33800.85</b>
	Ch. Sambhajinagar	2966	5462.55	240	263.04	3206	5725.59	1837	2556.42	1369	3169.17
	<b>Total B</b>	<b>2966</b>	<b>5462.55</b>	<b>240</b>	<b>263.04</b>	<b>3206</b>	<b>5725.59</b>	<b>1837</b>	<b>2556.42</b>	<b>1369</b>	<b>3169.17</b>
8	Amravati	2652	1952.26	114	10.18	2766	1962.44	3	1.33	2763	1961.11
9	Yavatmal	2103	2158.20	130	97.05	2233	2255.25	236	55.18	1997	2200.08
10	Nagpur	3817	3760.71	90	15.53	3907	3776.24	71	26.94	3836	3749.30
11	Chandrapur	5171	4630.18	0	0.00	5171	4630.18	0	0.00	5171	4630.18
12	Gadchiroli	6135	7629.89	133	56.92	6268	7686.80	398	524.69	5870	7162.11
13	Wildlife Nagpur	2590	2231.67	906	641.27	3496	2872.94	853	856.79	2643	2016.15
14	Tiger Project Melghat	254	699.63	2	0.49	256	700.12	48	59.10	208	641.02
	<b>Total C</b>	<b>22722</b>	<b>23062.53</b>	<b>1375</b>	<b>821.44</b>	<b>24097</b>	<b>23883.97</b>	<b>1609</b>	<b>1524.03</b>	<b>22488</b>	<b>22359.95</b>
	<b>Grand Total</b>	<b>137177</b>	<b>61390.45</b>	<b>4827</b>	<b>2103.28</b>	<b>142004</b>	<b>63493.73</b>	<b>4270</b>	<b>4163.77</b>	<b>137734</b>	<b>59329.97</b>

Source - APCCF (Conservation)

## ENCROACHMENT MADE AND REMOVED DURING THE YEAR 2022-23



## STATUS OF ENCROACHMENT ON FOREST LAND AS ON 31 MARCH 2023



**TABLE - 60**  
**CLAIMS SETTLED UNDER FOREST RIGHTS ACT-2006**

Sr.No.	Particulars	Individual			Community			Total		
		Tribal	OTFD	Total Individual	Tribal	OTFD	Total Community	Tribal	OTFD	Total
1	Total no.of. cases received at Gram Sabha Level	283813	104044	387857	7512	3846	11358	291325	107890	399215
2	No.of cases rejected by Gram Sabha	15994	17588	33582	17	110	127	16011	17698	33709
3	No. of cases pending with Gram Sabha	1901	43	1944	129	0	129	2030	43	2073
4	No. of cases recommended to SDLC(=(1)-(2+3))	265984	86413	352397	7366	3736	11102	273350	90149	363499
5	No. of cases rejected by SDLC	124151	66742	190893	838	724	1562	124989	67466	192455
6	No. of cases pending with SDLC	5700	701	6401	81	111	192	5781	812	6593
7	No. of cases recommended to DLC(=(4)-(5+6))	136130	18973	155103	6499	2901	9400	142629	21874	164503
8	No. of cases rejected by DLC	4391	2059	6450	280	200	480	4671	2259	6930
9	No. of cases pending with DLC	771	133	904	176	243	419	947	376	1323
10	No. of cases finally accepted by DLC(=(7)-(8+9))	130968	16781	147749	6043	2458	8501	137011	19239	156250
11	Area involved in the claims which are accepted by DLC. (Area in ha.)	117077.31	15174.33	132251.64	1125108	181710.20	1306818.15	1242185.30	196884.50	1439069.80
12	Total No. of Cases decided(=(1)-(3+6+9))	275425	103772	379197	7178	3488	10666	282603	107260	389863
13	Percentage of implementation(=(12/1%)	97.04	99.74	97.77	95.55	90.69	93.91	97.01	99.42	97.66
14	No. of record of forest right and title issued	130680	16749	147429	5964	2281	8245	136644	19030	155674
15	Area involved in the titles issued (Area in ha.)	116761.78	15180.26	131942.04	1119713	165442.70	1285155.67	1236474.80	180622.94	1417097.70

Source: APCCFT Commissioner, M.S. Nagpur

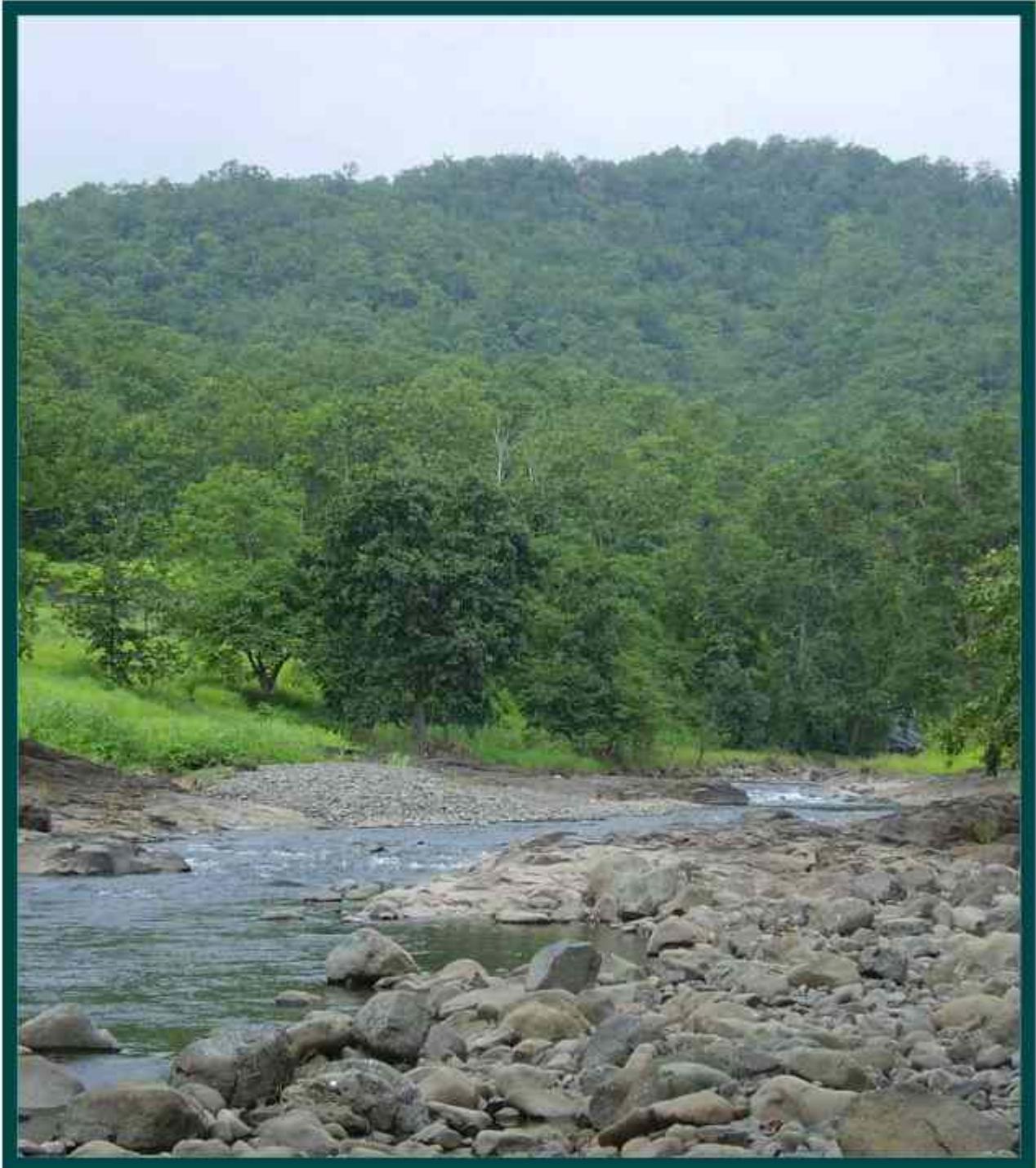


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# CHAPTER - 11

## OTHER IMPORTANT WINGS

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## A) MAHARASHTRA STATE FOREST EMPLOYEES WELFARE FUND

Maharashtra State Forest Employees Welfare Fund scheme has come into force with effect from 09th August 2006 vide Government Resolution No. FST/1305/C.R. 448/F-4, Dated 9th August, 2006 issued by Government of Maharashtra, Revenue and Forests Department, Mantralaya, Mumbai. The rules are called "The Maharashtra State Forest Employees Welfare Fund Rules. (Revised) 2006". The primary object of the Fund is to introduce and adopt measures for the welfare of the employees of the Forest Department. The fund is a benevolent fund contributing towards/ the benefit of its members to the maximum extent the resources permit and is based on the principle of mutual help and co-operation. 2.00 The details of membership & benefits given in a year 2022-23 mentioned in Table 1 and the summary of accounts mentioned in Table 2 below.

**TABLE - I**

(Amount Rs. in Lakh)

Year	Number of Members	Natural Death		Accidental Death		Consolation Prize		Book Donation		Medical Treatment Advance		Study Scholarship	
		Nos.	Amt.	Nos.	Amt.	Nos.	Amt.	Nos.	Amt.	Nos.	Amt.	Nos.	Amt.
2022-23	15756	98	49	13	52	59	7.73	25	0.89	4	4.25	3	0.25

**TABLE - II**

### SUMMARY OF ACCOUNTS FOR THE YEAR 2022-23

(Amount in Rs.)

Receipt			Payment		
Sr. No.	Description	Amount	Sr. No.	Description	Amount
1	Opening Balance as on 01 Apr 2022	1797625	1	Claims paid to NOK of deceased Members	5200000
2	Membership subscription Amount from 01 Apr 2022 to 31 Mar 2023	12605350	2	Gratuitous Relief on Natural/Accidental Death of Members	4900000
3	Interest Credit amount	155170	3	Consolation Prize awarded to the children of members	773000
4	Fixed deposit amount after Maturity credited by bank in Saving Account.	16110763	4	Book Donation Paid to children of members	89400
			5	Scholarship Paid to Children of deceased members	25000
			6	Saving Amount Transfer into Fixed Deposit	18110763
			7	Medical advance paid to members	425000
	<b>Total Receipt</b>	<b>30668908</b>		<b>Total Expenditure</b>	<b>29523163</b>
				<b>Closing Balance as on 31/03/2023</b>	<b>1145745</b>

## B) COMPENSATORY AFFORESTATION FUND MANAGEMENT AND PLANNING AUTHORITY (MAHA CAMPA)

The Hon'ble Supreme Court of India vide its Order dated 05/05/2006 has constituted Ad-hoc CAMPA at Central Level and directed diversion of the funds deposited with Ad-hoc CAMPA to State CAMPA. The State Govt. vide its Resolution dated 25/09/2009 constituted the Steering and Executive Committees to run the State CAMPA.

As per guideline issued by the Central Govt. on dated 10/07/2009 and the Resolution passed by the State Govt. on dated 04/01/2010 pursuant thereof, utilization of CAMPA funds is done through the implementing agencies functioning in the Forest Department, Social Forestry and Forest Development Corporation Ltd. of the State of Maharashtra.

### Compensatory Afforestation Fund (CAF) Act - 2016 and CAF Rules-2018

The Act has been notified vide Government of India, Ministry of Law and Justice Notification dated 03rd August 2016. These rules are framed under Compensatory Afforestation Funds Act 2016. The rules describe for management of State Fund, manner of utilization of Net Present Value, utilization of Interest accrued on deposits in State Fund, appointment of officer of State Authority, preparation of budget of State Authority, maintenance of accounts, preparation of annual statement of accounts by State Authority, Annual Reports by the State Authority, etc. The Act and the Rules have come into force from 30.09.2018 and the state CAMPA has been renamed as Maha CAMPAA.

### Annual Plan of Operations 2022-23

The APO 2022-23 of Rs. 70811.00 Lakh as approved by the National Authority CAMPA, New Delhi vide letter dated on 14.06.2022 & 10.08.2022. Out of which the Rs. 70000.00 Lakh has budgeted and against budgeted amount only amount of Rs. 44867.88 Lakh released by Government of Maharashtra.

The main component-wise achievement under APO 2022-23 for Site Specific Works are summarized in Table-1 below

**TABLE-I**  
**ACHIEVEMENT UNDER SITE SPECIFIC WORKS FOR YEAR 2022-23.**

Sr. No.	Head	Item of works	Area (ha)	Amount (Rs. Lakhs)
1	Compensatory Afforestation (CA) (01)	Pre Planting Operations (PPO)	546.384	1822.86
		First Year Operations (FYO)	182.280	260.95
		Second Year Operations to 10 <sup>th</sup> Year Operations	9450.91	1491.92
2	CAT Plan (02)		-	452.58
3	IWMP (03)		-	25.00
4	Others (Conditional Works) (06)		-	603.17
	<b>Total</b>		-	<b>4656.49</b>

Apart from works under Site Specific Works, Works under Net Present Value component were also carried out. The amount spent for these works is Rs. 34912.41 Lakh, the details of which have been provided in Table-2 below.

**TABLE-II**  
**COMPONENT-WISE ACHIEVEMENTS UNDER NET PRESENT VALUE (NPV)**

Rule No.	Particulars of work	Amount (Rs. in Lakhs)
<b>5 (2)</b>	<b>Works under not less than 80 % component (Rule 5 (2))</b>	
a	Assisted Natural Regeneration	1220.07
b	Artificial Regeneration	1997.68
c	Silvicultural operations in forests	6164.34
d	Protection of plantations and forests	4454.82
f	Forest fire prevention and control operations	1258.17
g	Soil and moisture conservation works in the forest	4886.08
h	Voluntary relocation of villages from Protected areas	3557.35
i	Improvement of wildlife habitat as provided in the approved wildlife management plan or working plan	3503.55
k	Establishment, operation and maintenance of animal rescue centre and veterinary treatment facilities for wild animals	1336.19
m	Management of biological diversity and biological resource	39.61
	<b>Grand Total for Activities under not less than 80% component</b>	<b>28417.86</b>
<b>5 (3)</b>	<b>Works under not more than 20 % component (Rule 5 (3))</b>	
a	Establishment, up-gradation and maintenance of modern nurseries and other planting stock production facilities for production of quality planting materials	96.23
b	Promoting conservation, sustainable use and documentation of biological diversity including preservation of habitats, conservation of land and folk varieties and cultivars, domesticated stocks and breeds of animals and microorganisms and chronicling of knowledge relating to biological diversity	325.45
c	Purchase and maintenance of equipment or devices used for communication and information technology for the purpose of protection of forest and wildlife/AMC	68.19
d	Construction, up-gradation and maintenance of inspection paths, forest roads in forest area, fire lines, watch towers, check posts and timber depots	705.84
e	Construction of residential and official buildings in forests for front line staffs deployed for protection of forest and wildlife	4974.30
f	Casual engagement of local people or labours to assist regular staff of State Forest Department for works for protection of forest and wildlife undertaken from State Fund	180.78
h	Independent concurrent monitoring and evaluation and third party monitoring of various works undertaken from State Fund	46.64
i	Publicity-cum-awareness programme and exhibition on the various schemes being implemented by the State Authority from State Fund	256.50
	<b>Total for works under not more than 20% component</b>	<b>6653.93</b>
	<b>Grand Total for NPV</b>	<b>35071.79</b>

Works under Interest component were also carried out. The amount spent for these works is Rs. 262.54 Lakh the details of which have been provided in Table-3 below.

**TABLE-III****COMPONENT-WISE ACHIEVEMENTS UNDER INTEREST COMPONENT**

Rule No.	Particulars of work	Amount (Rs. in Lakhs)
<b>6 (b)</b>	<b>Not more than 40%</b>	
iv	for disbursement of salary and allowances of members and staffs, both regular and contractual, of the State Authority	180.51
	<b>Total (Not less than 60%)</b>	<b>180.51</b>
ii	Office equipment including computers and peripherals and its maintenance for the State Authority	70.14
iii	Hiring of staff cars for the use of the officers and officials of the State Authority	11.89
	<b>Total (Not more than 40%)</b>	<b>82.03</b>
	<b>Grand Total</b>	<b>262.54</b>

Thus the total amount spent on Site Specific Works, Works under Net Present Value and Works under Interest Component during the year 2022-23 is Rs.39990.82 Lakh. The Implementing Agency-wise details of which have been provided in Table-4 below.

**TABLE - IV****IMPLEMENTING AGENCY-WISE ACHIEVEMENTS UNDER APO 2022-23.**

Sr. No.	Agency	CA (01)	CAT Plan (02)	IWMP (03)	NPV (04)	Interest (05)	Other (C.W.) (06)	Total
1	2	3	4	5	6	7	8	9
1	APCCF (WL) East, Nagpur	0	0	0	3428.18	0	31.98	3460.16
2	APCCF (WL) West, Mumbai	0	0	0	1201.47	0	0	1201.47
3	APCCF & FD, MTR, Amravati	0	0	0	4574.82	4.01	0	4578.83
4	APCCF (RET), Pune	0.00	0	0	263.45	0	0	263.45
5	APCCF (ITP) Nagpur	0	0	0	68.19	0	0	68.19
6	APCCF (Mangrove) Mumbai	3.85	0	0	0	0	0	3.85
7	CCF (T) Amravati	76.01	0	0	3365.14	10.28	0	3451.43
8	CF (T) Ch. Sambhajinagar	1376.88	0	0	1203.18	0	0.52	2580.58
9	CCF (T) Chandrapur	440.39	0	0	2350.42	7.20	12.12	2810.13
10	CF (T) Dhule	169.38	57.15	0	856.47	6.25	107.20	1196.45
11	CF (T) Gadchiroli	163.09	0	0	1915.25	8.64	22.57	2109.55
12	CCF (T) Kolhapur	28.02	0	0	869.38	0	0	897.40
13	CCF (T) Nagpur	730.04	319.33	25.00	2826.55	26.33	388.88	4316.13
14	CCF (T) Nashik	160.59	0	0	3803.91	6.04	1.32	3971.86
15	CCF (T) Pune	32.66	0	0	3848.21	0	0	3880.87
16	CCF (T) Thane	213.34	73.16	0	1227.99	32.88	35.17	1582.54

Sr. No.	Agency	CA (01)	CAT Plan (02)	IWMP (03)	NPV (04)	Interest (05)	Other (C.W.) (06)	Total
1	2	3	4	5	6	7	8	9
17	CF (T) Yavatmal	181.49	2.94	0	3213.95	4.28	3.41	3406.07
18	CCF (Evaluation) Nagpur	0	0	0	1.00	2.68	0	3.68
19	PIO, Nagpur	0	0	0	9.20	2.95	0	12.15
20	CEO (Maha CAMPA)	0	0	0	40.31	0	0	40.31
21	DFO (Maha CAMPA)	0	0	0	0	151.00	0	151.00
22	CGM, FDCM, Nagpur	0	0	0	4.72	0	0	4.72
	<b>Total</b>	<b>3575.74</b>	<b>452.58</b>	<b>25.00</b>	<b>35071.79</b>	<b>262.54</b>	<b>603.17</b>	<b>39990.82</b>

### Annual Plan of Operations 2023-24

The APO 2023-24 of Rs. 841.33 Crore as approved by the Steering Committee, Maha CAMPA on 13.01.2023 details of which have been provided in Table-5 below

**TABLE-V**

#### THE ABSTRACT OF ITEM-WISE ALLOCATION UNDER APO 2023-24

Sr. No.	Description	Components	Financial (Rs. In Lakhs)
1	2	3	4
1	Site Specific works as per FCA approval	Compensatory Afforestation	5314.72
		CAT Plan	923.30
		Integrated WMP	192.19
		Others	741.04
		<b>Sub Total (i)</b>	<b>7171.25</b>
2	Net Present Value	Works under 80% NPV Component	60810.47
		Works under 20% NPV Component	15106.87
		<b>Sub Total (ii)</b>	<b>75917.34</b>
3	Accrued Interest	Works under 60% Interest component	844.05
		Works under 40% Interest component	200.00
		<b>Sub Total (iii)</b>	<b>1044.05</b>
		<b>Grand Total (i+ii+iii)</b>	<b>84132.64</b>

The APO 2023-24 has been submitted to the MoEF& CC, GOI, New Delhi for final approval. A meeting of Executive Committee, National Authority was held on 31 March 2023 at MoEF, New Delhi. The Executive Committee, National Authority, New Delhi approved the APO 2023-24 with Financial outlay of Rs. 593.06 Crore against of Rs. 841.33 Crore and remaining amount of Rs. 248.27 Crore is deferred/not approved. An Annual Plan of Operation 2023-24 has been prepared as per the provisions of CAF Act, 2016 and rules there under.

## C) EVALUATION

The Central Evaluation Unit was created as per the Government Resolution No R. & F. D. FST/2966/101293-Z dated 9/5/1967 for evaluating works implemented by the Forest Department. The Evaluation Wing is headed by the Conservator of Forests (Evaluation) with head quarter at Nagpur. There are 6 Evaluation Divisions, each headed by a Divisional Forest Officer with headquarters at Nagpur, Chandrapur, Yavatmal, Nashik, Ch. Sambhajinagar and Pune. Evaluation is conducted considering the provisions of Evaluation Code 1969. The Conservator of Forests (Evaluation) Maharashtra State Nagpur functions under the overall central & supervision of Additional Principal chief conservator of forests (N.T.F.P) Nagpur

### Objectives:

- 1) Physical assessments of works done, to judge the quality and standard attained.
- 2) Study the deficiencies and limitations in implementation with a view to suggest modifications in techniques and financial provisions.
- 3) The ultimate objective is to ensure maximum efficiency in implementation, to safeguard against infructuous expenditure and take timely and remedial measures wherever necessary.

Presently Evaluation Wing is engaged in two types of activities.

#### A. Regular Evaluation of Plantations.

(i) Evaluation of Pre Planting Operation

(ii) Evaluation of Third Year Plantations.

(iii) Second Stage Evaluation of Plantations-After 10 year of planting

#### B. Specific evaluation works assigned by PCCF(HoFF), M.S.Nagpur.

Evaluation Wing carries out regular evaluation of plantations to assess the standard of works, quality of operations, deficiencies and expenditure. During the evaluation, status of fence, growth & survival of seedlings, Soil & Moisture Conservation works, protection, maintenance of record, expenditure etc. are examined.

The abstract of works done by the Evaluation wing during 2022-23 is as under

### EVALUATION WORKS (2022-23)

Sr.No.	Evaluation Programme	Target		Achievement	
		No. of Plantation Sites	Area (Ha./Kms)	No. of Plantation Sites	Area (Ha./Kms)
<b>Evaluation of Plantation Works</b>					
1.	Evaluation of Pre -Planting Operations of 2021 Rains Plantations(Forest Department)	75	1152.18 Ha	72	1128.86 Ha.
	Evaluation of Pre -Planting Operations of 2021 Rains Plantations (Social Forestry- <b>Road Side plantations</b> )	114	520.50 Km.	103	469.70 Km.
	Evaluation of Pre -Planting Operations of 2021 Rains Plantations (Social Forestry - <b>Block Plantations</b> )	46	578.75Ha	42	540.75 Ha.

Sr.No.	Evaluation Programme	Target		Achievement	
		No. of Plantation Sites	Area (Ha./Kms)	No. of Plantation Sites	Area (Ha./Kms)
<b>Evaluation of Plantation Works</b>					
2	Evaluation of 2017 Rains Plantation (3 rd Year )(Forest Department)	130	2689.00 Ha.	128	2654.48 Ha.
3	Evaluation under the Scheme National Adaption Fund for Climate Change (NAFCC )	22 Items	—	05 Items	—

## **D) FOREST PUBLICITY AND INFORMATION**

Public participation is an integral part of any Democratic Government mechanism. It plays a very vital role in making any Government scheme or programs successful which can be sought through wide publicity. Maharashtra Forest Department always renders a due importance to it and made wide Publicity of various programs and scheme implemented by the Department. In year 2022-23 following publicity platform have been used by publicity wing for massive public awareness programs.

### **Printing and Publishing of Maharashtra Forest Department's various Books/Publications**

- Books Publication of Maharashtra Forest Department's various books and printed informative material.
- Printing of AAR (Annual Administration Report 2020-21) Book - 500 Copies
- Printing of Winter Session -2022 Brief Information of MFD-125 Copies
- Printing of Budget Session -2023 Brief Information of MFD-125 Copies
- Printing of IFS Civil List-2023-350 copies

### **Leaflets, Poster, Flyer**

Printing of Posters, Pamphlets and Flyers on various schemes of the Department

- Printing and distribution of Wildlife Week 2022 Posters with theme of "Azadi ka Amrit Mahotsav- 2500 copies

### **AIR**

- On the occasion of Van Mahotsav on 5th July 2022, 20 minutes program was aired from all AIR stations from Maharashtra
- On the occasion of International Forestry Day On 21 March 2023, 20 minutes program was aired from all AIR stations from Maharashtra
- Interviews of senior forest officers containing information on various forestry subject have been broadcasted in AIR Nagpur station
- Audio jingle of 60 sec. duration having information of prohibition forest fire have been produced & Broadcasted by AIR Nagpur station in Marathi & Gondi Language

### **Doordarshan**

- Interviews of senior forest officers explaining information on various forestry subjects have been broadcasted on Doordarshan.

### **Hoardings/Banners**

- Publicizing Maharashtra Forest Department's initiatives through Hoardings / Banners available in Nagpur City.

### **Flex/Banners**

- Publicity by Flex / Banner regarding various International Days celebrated by Maharashtra Forest Department
- World Earth day -22 April 2022
- Maharashtra Day 1 May 2022
- World Environment Day 5 June 2022
- Van Mahotsav 2022
- Azadi Ka Amrit Mahotsav Har Ghar Tiranga
- Eco Friendly Ganesh Utsav 2022
- International Vulture Awareness Day-3 September 2022

- Wildlife Week-2022
- Eco-Friendly Diwali-2022
- Vigilance Awareness Week -2022
- World Wetland Day
- World Women's Day 8 March
- 21st March International Forest Day

#### **Digital Display Board**

- Operationalization of Digital Display Board at Van Bhavan, Nagpur

#### **Program**

- Organization of function on 22 May International Biodiversity Day
- Organization of function on Azadi ka Amrit Mahotsav
- Lecture of Dr. Jagannath Dixit on Diet Plan and Health is Wealth
- Organization of function on 8 March World Women's Day

#### **Selfie Point**

- On the event of Azadi ka Amrit Mahotsav and Har Ghar Tiranga the Selfie Point had been installed at Vanbhavan, Nagpur
- On the event of 8th March World Women's Day the Selfie Point had been installed at Vanbhavan, Nagpur

#### **Press Note**

Regular Press notes about Programs organized by department have been circulated in all print and electronic media.

## E) SILVICULTURAL RESEARCH

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
<b>1. Forest Genetics &amp; Plant Improvement</b>				
<b>1.1</b>	<b>Development of Seed Production Areas (SPAs)</b>			
1	Development of Seed Production Areas (SPAs)	5 Ha	<i>Dalbergia latifolia</i>	Ajara - Kolhapur
2		5 Ha	<i>Acacia catechu</i>	Dodamarg - Sindhudurg
3		5 Ha	<i>Hardwickia binata</i>	Savaldara - Jalna
4		5 Ha	<i>Pterocarpus marsupium</i>	Mandva - Wada
5		5 Ha	<i>Pterocarpus marsupium</i>	Kasansur - Chandrapur
6		5 Ha	<i>Pterocarpus marsupium</i>	Bijepar - Nagpur
7		5 Ha	<i>Dalbergia latifolia</i>	Ajara - Kolhapur
8		5 Ha	<i>Acacia catechu</i>	Dodamarg - Sindhudurg
9		5 Ha	<i>Acacia catechu</i>	Nawapur - Nandurbar
10		5 Ha	<i>Mucuna pruriens</i> (Khajkuyri)	Toranmal - Nandurbar
11		5 Ha	<i>Acacia catechu</i>	Wada
12		5 Ha	<i>Diospyros melanoxylon</i>	Allapalli - Chandrapur
13		5 Ha	<i>Tectona grandis</i>	Hivari - Nagpur
14		5 Ha	<i>Diospyros melanoxylon</i>	Allapalli - Chandrapur
15		5 Ha	<i>Oroxylum indicum</i>	Tadgaon - Chandrapur
16		5 Ha	<i>Xylia xylocarpa</i>	Pitezari - Nagpur
17		5 Ha	<i>Tectona grandis</i>	Kunkeri - Sindhudurg
18		5 Ha	<i>Pterocarpus marsupium</i>	Chandewadi - Kolhapur
19		5 Ha	<i>Buchnanania lanzan</i>	Bhamragad - Chandrapur
20		5 Ha	Teak	Devasu - Sindhudurg
21		5 Ha	Shisham	Tirvade - Kolhapur
22		5 Ha	<i>Mammea longifolia</i> (Surangi)	Kitwade -Kolhapur
23		5 Ha	<i>Nothapodytes nimmoniana</i> (Narkia)	Kitwade -Kolhapur
24		5 Ha	<i>Nothapodytes nimmoniana</i>	Amboli - Sindhudurg
25		5 Ha	<i>Salacia chinensis</i> (Saptarangi)	Chaukul - Sindhudurg
26		5 Ha	<i>Terminalia chebula</i> (Hirda)	East Wada
27		5 Ha	<i>Pongamia pinnata</i> ( Karanj)	Thesade- Palghar
28		5 Ha	<i>Saraca asoca</i> ( Sita ashok )	S.G.N.Park Borivali
29		5 Ha	<i>Ambere</i>	Kitwade -Kolhapur
30		5 Ha	<i>Semecarpus anacardium</i>	Waghotre - Kolhapur
31		5 Ha	<i>Azadirachta indica</i> (Neem)	Kandari - Badnapur
32		3 Ha	<i>Buchanania cochinchinensis</i>	Morle - Sindhudurg
33		5 Ha	<i>Inland casurina</i>	Alibag - Nagav
34		5 Ha	<i>Acacia catechu</i>	Chahade-Dahanu

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
35		5 Ha	<i>Emblica officinalis</i>	Toranmal - Nandurbar
36		5 Ha	<i>Terminalia tomentosa</i>	Palsai - Wada
37		5 Ha	<i>Terminalia tomentosa</i>	Dhakne - Wada
38		5 Ha	<i>Stereospermum colais</i>	Ajara - Yamekond - Kolhapur
39		5 Ha	<i>Buchanania lanzan</i>	Ajara - Honewadi - Kolhapur
40		5 Ha	<i>Dalbergia latifolia</i>	Thane - Funsad
41		5 Ha	<i>Gardenia resinifera</i>	Ajara - Sulgaon - Kolhapur
42		5 Ha	<i>Semecarpus anacardium</i>	Ajara - Kine - Kolhapur
43		5 Ha	<i>Madhuca Longifolia</i>	Ajara - Kine - Kolhapur
44		5 Ha	<i>Acacia catechu</i>	Ajara - Honewadi - Kolhapur
45		5 Ha	<i>Piper longum</i>	Ajara - Kine - Kolhapur

## 2. Silviculture Studies & Trials.

### 2.1 Preservation / Bio-diversity Monitoring Plots

1	Preservation / Bio-diversity Monitoring Plots	5 Ha	Misc.	Koynanagar - Nechal - Satara
2		5 Ha	Misc.	Koynanagar - Nawaja - Satara
3		5 Ha	Misc.	Koynanagar - Karanjawade - Satara
4		5 Ha	Misc.	Koynanagar - Mirgaon - Satara
5		5 Ha	Misc.	Dodamarg - Insuli - Sindhudurg
6		5 Ha	Misc.	Dodamarg - Amboli - Sindhudurg
7		5 Ha	Misc.	Dodamarg - Tamboli - Sindhudurg
8		5 Ha	Misc.	Dodamarg - Narur - Sindhudurg
9		5 Ha	Misc.	Dodamarg - Hewale - Sindhudurg
10		5 Ha	Misc.	Dodamarg - Morle - Sindhudurg
11		5 Ha	Misc.	Dodamarg - Bambarde - Sindhudurg
12		5 Ha	Misc.	Ajara - Tambyachiwadi - Kolhapur
13		5 Ha	Misc.	Ajara - Waghotre - Kolhapur
14		5 Ha	Misc.	Ajara - Devkandgaon - Kolhapur
15		5 Ha	Misc.	Ajara - Gudawale - Kolhapur
16		5 Ha	<i>Tamarindus indica</i>	Ajara - Anuskara - Kolhapur
17		.80 Ha	Misc.	Pune - Gureghar C 1
18		.40 Ha	Misc.	Pune - Gureghar C 2
19		1 Ha	Misc.	Pune - Gureghar C 3
20		.60 Ha	Misc.	Pune - Aurthersit
21		.60 Ha	Misc.	Pune - Karviaala
22		.60 Ha	Misc.	Pune - Babington
23		5 Ha	Misc.	Pune - Tamhini

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
24		5 Ha	Misc.	Nawapur - Ukalpani - Nandurbar
25		4 Ha	Teak & Misc.	Tadgaon - Talwada - Gadchiroli
26		6 Ha	Teak & Misc.	Tadgaon - Allapalli - Gadchiroli
27		10.56 Ha	Misc.	Chandrapur 2- Kanhargaon -Chandrapur
28		8.42 Ha	Teak & Misc.	Tadgaon- Asaralli (Kopella)- Gadchiroli
29		3.42 Ha	Teak & Misc.	Tadgaon - Asaralli (Kopella)- Gadchiroli
30		5.18 Ha	Teak & Misc.	Tadgaon - Talwada - Gadchiroli
31		10 Ha	Misc.	Chandrapur 2 - Kolsa - Chandrapur
32		27 Ha	Misc.	Chandrapur 2 - Kanhargaon - Chandrapur
33		10 Ha	Misc.	Chandrapur 2 - Mohurli - Chandrapur
34		5 Ha	Teak & Misc.	Tadgaon - Choudampalli - Gadchiroli
35		5 Ha	Misc.	Chandrapur 2 - Kanhargaon - Chandrapur
36		5 Ha	Teak & Misc.	Tadgaon - Allapalli - Gadchiroli
37		5 Ha	Teak & Misc.	Tadgaon - Botanpundi - Gadchiroli
38		10.92 Ha	Misc.	Kamare - Sarani - Palghar
39	30 Ha	Misc.	Kamare - Talavali - Palghar	
40	5 Ha	Misc.	Kamare - Chahade - Palghar	
41	5 Ha	Misc.	Wada - Ghodsagar - Wada	
42	5 Ha	Misc.	Wada - Parali - Wada	
43	10 Ha	Misc.	Wada - Yeoor - Wada	
44	5 Ha	Misc.	Wada - Chenna - Wada	
45	5 Ha	Misc.	Shahapur - Vihigaon - Thane	
46	5 Ha	Misc.	Shahapur - Karnala - Raigad	
47	5 Ha	Misc.	Shahapur - Matheran - Raigad	
48	10 Ha	Misc.	Shahapur - Velonda - Thane	
49	10 Ha	Misc.	Shahapur - Dehane - Thane	
50	5 Ha	Misc.	Shahapur - Tansa - Thane	
51	10 Ha	Misc.	Paratwada - Chikhaldara - Nagpur	
52	10 Ha	Misc.	Paratwada - Semadoh - Nagpur	
53	10 Ha	Misc.	Paratwada - Bhawan - Wardha	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )	
1	2	3	4	5	
	<b>2.2 Production of seedlings of important (RET) species.</b>	1095	<i>Radermachera xylocarpa</i>	Paratwada - Wardha	
1	Production of seedlings of important (RET) species.	588	<i>Terminalia bellirica</i>	Paratwada - Wardha	
2		1380	<i>Oroxylum indicum</i>	Paratwada - Wardha	
3		828	<i>Putranjiva roxburghii</i>	Paratwada - Wardha	
4		252	<i>Semecarpus anacardium</i>	Paratwada - Wardha	
5		492	<i>Gardenia resinifera</i>	Paratwada - Wardha	
6		180	<i>Stereospermum colais</i>	Paratwada - Wardha	
7		185	<i>Bixa orellana</i>	Paratwada - Wardha	
8		765	<i>Oroxylum indicum</i>	Sakoli - Mohaghata - Nagpur	
9		540	<i>Terminalia arjuna</i>	Sakoli - Mohaghata - Nagpur	
10		1035	<i>Aegle marmelos</i>	Sakoli - Mohaghata - Nagpur	
11		240	<i>Terminalia bellirica</i>	Sakoli - Mohaghata - Nagpur	
12		780	<i>Madhuca longifolia</i>	Sakoli - Mohaghata - Nagpur	
13		160	<i>Semecarpus anacardium</i>	Sakoli - Mohaghata - Nagpur	
14		300	<i>Diospyros melanoxylon</i>	Sakoli - Mohaghata - Nagpur	
15		555	<i>Acacia catechu</i>	Sakoli - Mohaghata - Nagpur	
16		315	<i>Vitex negundo</i>	Sakoli - Mohaghata - Nagpur	
17		30	<i>Terminalia chebula</i>	Sakoli - Mohaghata - Nagpur	
18		230	<i>Tectona grandis</i>	Sakoli - Mohaghata - Nagpur	
19		50	<i>Pterocarpus marsupium</i>	Sakoli - Mohaghata - Nagpur	
20		5000		<i>Putranjiva roxburghii</i>	Wada - Alman - Palghar
21				<i>Mimusops elengi</i>	Wada - Alman - Palghar
22				<i>Syzygium cumini</i>	Wada - Alman - Palghar
23				<i>Bauhinia variegata</i>	Wada - Alman - Palghar
24				<i>Acacia concinna</i>	Wada - Alman - Palghar
25				<i>Albizia lebbek</i>	Wada - Alman - Palghar
26				<i>Albizia procera</i>	Wada - Alman - Palghar
27				<i>Aegle marmelos</i>	Jalna Research Nursery Jalna
28				<i>Phyllanthus Emblica</i>	Jalna Research Nursery Jalna
29				<i>Terminalia bellirica</i>	Jalna Research Nursery Jalna
30				<i>Terminalia chebula</i>	Jalna Research Nursery Jalna
31				<i>Semecarpus anacardium</i>	Jalna Research Nursery Jalna
32				<i>Syzygium cumini</i>	Jalna Research Nursery Jalna

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
33		5000	<i>Terminalia arjuna</i>	Jalna Research Nursery Jalna
34			<i>Justicia Adhatoda</i>	Jalna Research Nursery Jalna
35			<i>Premna serratifolia</i>	Jalna Research Nursery Jalna
36			<i>Rauvolfia serpentina</i>	Jalna Research Nursery Jalna
37			<i>Murraya koenigil</i>	Jalna Research Nursery Jalna
38			<i>Passiflora edulis</i>	Jalna Research Nursery Jalna
39			<i>Aloe barbvadensis miller</i>	Jalna Research Nursery Jalna
40			<i>Commiphora wightii</i>	Jalna Research Nursery Jalna
41			<i>Sapindus mukorossi</i>	Jalna Research Nursery Jalna
42			<i>Helicteres isora</i>	Jalna Research Nursery Jalna
43			<i>Azadirachta indica</i>	Jalna Research Nursery Jalna
44			<i>Sterculia urens</i>	Jalna Research Nursery Jalna
	<b>2.3 Teak Seed Orchid</b>	552.32 Ha	<i>Tectona grandis</i>	Chandrapur, Nagpur, Wada, Jalna, Pune
	<b>2.4 Field trial of Inland Moha (Madhuka Longifolia) for yield estimation.</b>	2 Ha	<i>Madhuka longifolia</i> (Moha)	Chandrapur 1 Range (C/No.402)
<b>2.5 Candidate Plus Trees</b>				
1	Candidate Plus Trees	1	<i>Adina cordifolia</i>	Gatta - Kondabhatti - Chandrapur
2		1	<i>Adina cordifolia</i>	Gatta - Kiyar - Chandrapur
3		1	<i>Adina cordifolia</i>	Gatta - Kothi - Chandrapur
4		1	<i>Adina cordifolia</i>	Tadgaon - Chandrapur
5		2	<i>Anogeissus latifolia</i>	Gatta - Kothi - Chandrapur
6		1	<i>Anogeissus latifolia</i>	Tadgaon - Chandrapur
7		1	<i>Anogeissus latifolia</i>	Chandrapur
8		1	<i>Bombax ceiba</i>	Gatta - Kothi - Chandrapur
9		1	<i>Boswellia serrata</i>	Chandrapur
10		1	<i>Buchnanania lanzan</i>	Gatta - Kothi - Chandrapur
11		1	<i>Dalbergia latifolia</i>	Allapalli
12		1	<i>Dalbergia latifolia</i>	Jimalgatta
13		1	<i>Diospyros melanoxylon</i>	Allapalli
14		1	<i>Diospyros melanoxylon</i>	Gatta - Kothi - Chandrapur
15		3	<i>Gmelina arborea</i>	Tadgaon
16		1	<i>Hardwickia binata</i>	Repanpalli
17		2	<i>Lagerstroemia lanceolata</i>	Gatta - Kothi - Chandrapur

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
18	Candidate Plus Trees	1	<i>Lagerstromia parviflora</i>	Chandrapur
19		1	<i>Manikara hexandra</i>	Chandrapur
20		2	<i>Mitragyna parvifolia</i>	Aheri
21		1	<i>Mitragyna parvifolia</i>	Asarali
22		1	<i>Mitragyna parvifolia</i>	Gatta
23		26	Non-teak	Gatta
24		2	<i>Pterocarpus marsupium</i>	Kasansoor
25		1	<i>Pterocarpus marsupium</i>	Tadgaon
26		1	<i>Schrebera swietenoides</i>	Gatta
27		1	<i>Stereospermum suaveolens</i>	Gatta
28		1	<i>Strychnos potatorum</i>	Chandrapur
29		7	<i>Tactona grandis</i>	Chandrapur
30		1	<i>Tamarindus indica</i>	Allapalli
31		1	<i>Tectona grandis</i>	Aheri
32		1	<i>Tectona grandis</i>	Allapalli
33		1	<i>Tectona grandis</i>	Jimalgatta
34		1	<i>Tectona grandis</i>	Pedigundam
35		1	<i>Terminalia bellerica</i>	Chandrapur
36		1	<i>Terminalia bellerica</i>	Gatta - Kothi - Chandrapur
37		1	<i>Terminalia chebula</i>	Gatta - Kothi - Chandrapur
38		1	<i>Terminalia tomentosa</i>	Chandrapur
39		1	<i>Terminalia tomentosa</i>	Allapalli
40		1	<i>Terminalia tomentosa</i>	Gatta - Kothi - Chandrapur
41		1	<i>Terminalia tomentosa</i>	Jimalgatta
42		1	<i>Terminalia tomentosa</i>	Tadgaon
43		1	<i>Xylia xylocarpa</i>	Chandrapur
44		1	<i>Xylia xylocarpa</i>	Asarali
45		1	<i>Xylia xylocarpa</i>	Gatta
46		1	<i>Xylia xylocarpa</i>	Tadgaon
47		1	<i>Tectona grandis</i>	Tadgaon
48		1	<i>Semecarpus anacardium</i>	Tadgaon
49		1	<i>Oroxylum indicum</i>	Tadgaon
50		1	<i>Terminalia chebula</i>	Tadgaon
51		2	<i>Anogeissus latifolia</i>	Taggaon
52	2	<i>Pterocarpus marsupium</i>	Taggaon	
53	1	<i>T. chebula</i>	Taggaon	
54	2	<i>T. tomentosa</i>	Chandrapur	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
55	Candidate Plus Trees	4	<i>Tectona grandis</i>	Allapalli
56		1	<i>Symplocos stocksii</i>	Taggaon
57		1	<i>Bombax ceiba</i>	Taggaon
58		1	<i>Tamarindus indica</i>	Taggaon
59		1	<i>Adina cordifolia</i>	Tadgaon
60		1	<i>Tamarindus indica</i>	Tadgaon
61		1	<i>Cleistanthus collinus</i>	Tadgaon
62		1	<i>Buchanania lanzan</i>	Tadgaon
63		1	<i>Pterocarpus marsupium</i>	Chandrapur 2
64		1	<i>Symplocos stocksii</i>	Chandrapur 2
65		1	<i>Terminalia tomentosa</i>	Chandrapur 2
66		1	<i>Anogeissus latifolia</i>	Tadgaon
67		1	<i>Diospyros melanoxylon</i>	Tadgaon
68		1	<i>Soymida febrifuga</i>	Tadgaon
69		1	<i>Careya arborea</i>	Tadgaon
70		1	<i>Soymida febrifuga</i>	Tadgaon
71		1	<i>Tectona grandis</i>	Tadgaon
72		1	<i>Bombax ceiba</i>	Tadgaon
73		1	<i>Tectona grandis</i>	Tadgaon
74		1	<i>Tectona grandis</i>	Tadgaon
75		1	<i>Boswellia serrata</i>	Tadgaon
76		1	<i>Diospyros melanoxylon</i>	Tadgaon
77		1	<i>Hardwickia binata</i>	Tadgaon
78		1	<i>Terminalia tomentosa</i>	Tadgaon
79		1	<i>Tectona grandis</i>	Tadgaon
80		1	<i>Garuga pinnata</i>	Tadgaon
81		1	<i>Ficus virens</i>	Tadgaon
82		1	<i>Pterocarpus marsupium</i>	Chandrapur 2
83		1	<i>Buchanania lanzan</i>	Chandrapur 2
84		1	<i>Diospyros melanoxylon</i>	Chandrapur 2
85		1	<i>Terminalia arjuna</i>	Chandrapur 2
86		1	<i>Anogeissus latifolia</i>	Chandrapur 2
87		1	<i>Hardwickia binata (Roxb)</i>	Tadgaon
88		1	<i>Xylia xylocarpa</i>	Tadgaon
89		1	<i>Hardwickia binata (Roxb)</i>	Tadgaon
90		1	<i>Xylia xylocarpa</i>	Tadgaon
91	1	<i>Bombax Ceiba</i>	Tadgaon	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
92	Candidate Plus Trees	4	<i>Acacia nilotica</i>	Jarida - Nagpur
93		5	<i>Adina cordifolia</i>	Semadoh
94		3	<i>Adina cordifolia</i>	Nagzira Sanctuary
95		1	<i>Adina cordifolia</i>	Raipur
96		1	<i>Adina cordifolia</i>	Semadoh
97		1	<i>Ailanthus triphysa</i>	Semadoh
98		2	<i>Albizia lebbek</i>	Semadoh
99		1	<i>Aegle marmelos</i>	Sakoli
100		1	<i>Pterocarpus marsupium</i>	Sakoli
101		2	<i>Buchnanian lanzan</i>	Semadoh
102		6	<i>Dalbergia sissoo</i>	Seminary Hills
103		3	<i>Diospyros melanoxylon</i>	Nagzira
104		2	<i>Garuga pinnata</i>	Dhargad
105		4	<i>Grevillea robusta</i>	Chikhaldara
106		3	<i>Sterculia urens</i>	Sakoli
107		2	<i>Madhuca latifolia</i>	Jarida
108		1	<i>Mitragyna parvifolia</i>	Semadoh
109		10	<i>Non-Teak</i>	Nagpur
110		1	<i>Oroxylum indicum</i>	Jarida
111		1	<i>Santalum album</i>	Yavatmal
112		2	<i>Semecarpus anacardium</i>	Chikhaldara
113		1	<i>Tectona grandis</i>	Harisal
114		2	<i>Tectona grandis</i>	Raipur
115		2	<i>Tectona grandis</i>	Semadoh
116		1	<i>Terminalia bellerica</i>	Semadoh
117		1	<i>Terminalia chebula</i>	Jarida
118		2	<i>Terminalia tomentosa</i>	Sakoli
119		1	<i>Terminalia tomentosa</i>	Raipur
120	4	<i>Terminalia tomentosa</i>	Semadoh	
121	3	<i>Xylia xylocarpa</i>	Sakoli	
122	1	<i>Terminalia tomentosa</i>	Nagpur	
123	1	<i>Adina cordifolia</i>	Jamiya Wild life	
124	1	<i>Adina cordifolia</i>	Nawapur	
125	1	<i>Azadirachta indica</i>	Jalna	
126	1	<i>Bombax ceiba</i>	Khulatabad	
127	6	<i>Buchnanian lanzan</i>	Kannad	
128	1	<i>Buchnanian lanzan</i>	Yawal Sanctuary	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
129	Candidate Plus Trees	3	<i>Dalbergia sissoo</i>	Khulatabad
130		3	<i>Eucalyptus camaldulensis</i>	Jalna
131		1	<i>Eucalyptus grandis</i>	Nawapur
132		1	<i>Hardwickia binata</i>	Ajantha
133		2	<i>Hardwickia binata</i>	Nawapur
134		2	<i>Hardwickia binata</i>	Parola
135		4	<i>Hardwickia binata</i>	Yawal Sanctuary
136		1	<i>Madhuca latifolia</i>	Toranmal
137		1	<i>Madhuca latifolia</i>	Yawal Sanctuary
138		1	<i>Madhuca latifolia</i>	Vaijapur
139		1	<i>Mitragyna parvifolia</i>	Nagad
140		1	<i>Mitragyna parvifolia</i>	Nawapur
141		1	<i>Mitragyna parvifolia</i>	Toranmal
142		1	<i>Pterocarpus marsupium</i>	Jamner Wildlife
143		2	<i>Pterocarpus marsupium</i>	Nawapur
144		1	<i>Sterculia urens</i>	Ajantha
145		5	<i>Sterculia urens</i>	Jalgaon
146		1	<i>Terminalia arjuna</i>	Jalgaon
147		1	<i>Terminalia arjuna</i>	Parola
148		1	<i>Terminalia bellerica</i>	Toranmal
149		1	<i>Terminalia chebula</i>	Akkalkuva
150		1	<i>Terminalia tomentosa</i>	Kinvat
151		1	<i>Tinospora cordifolia</i>	Nawapur
152		1	<i>Rauwolfia serpentina</i>	Nawapur
153		5	<i>Hardwickia binata</i>	Parola
154		1	<i>Gmelina arborea</i>	Parola
155		1	<i>Bombax ceiba</i>	parola
156		1	<i>Ixora alba</i>	Parola
157		1	<i>Cassia fistula</i>	Parola
158		1	<i>Fetra tendra</i>	Parola
159	2	<i>Madhuca indica</i>	Parola	
160	1	<i>Sapindus emarginatus</i>	Nawapur	
161	1	<i>Helicteres isora</i>	Nawapur	
162	1	<i>Ailanthus excelsa</i>	Nawapur	
163	1	<i>Cordia myxa</i>	Nawapur	
164	1	<i>Mimusops hexandra</i>	Nawapur	
165	1	<i>Soymida febrifuga</i>	Nawapur	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
166	Candidate Plus Trees	1	<i>Feronia elephantum</i>	Nawapur
167		1	<i>Eeronia Jambolana</i>	Nawapur
168		1	<i>Dolichandron falcata</i>	Nawapur
169		1	<i>Pongamia pinnata</i>	Nawapur
170		1	<i>Diospyros melanoxylon</i>	Nawapur
171		1	<i>Cassia fistula</i>	Nawapur
172		1	<i>Madhuca indica</i>	Nawapur
173		1	<i>Terminalia belerica</i>	Nawapur
174		1	<i>Bridelia retusa</i>	Nawapur
175		1	<i>Aegle marmelos</i>	Nawapur
176		1	<i>Bauhinia racemosa</i>	Nawapur
177		1	<i>Semicarpus anacardium</i>	Nawapur
178		1	<i>Acacia catechu</i>	Dodamarg
179		1	<i>Acacia mangium</i>	Ajara
180		1	<i>Adina cordifolia</i>	Dodamarg
181		1	<i>Alstonia scholaris</i>	Dodamarg
182		1	<i>Alstonia scholaris</i>	Dodamarg
183		2	<i>Anthocephalus cadamba</i>	Dodamarg
184		2	<i>Artocarpus lakoocha</i>	Dodamarg
185		1	<i>Bombax ceiba</i>	Ajara
186		1	<i>Bombax ceiba</i>	Dodamarg
187		1	<i>Bridelia retusa</i>	Ajara
188		1	<i>Buchanania lanzan</i>	Dodamarg
189		1	<i>Butea frondosa</i>	Ajara
190		1	<i>Casuarina cunninghamiana</i>	Ajara
191		1	<i>Cinnamomum zylanicum</i>	Ajara
192		2	<i>Dalbergia latifolia</i>	Ajara
193		1	<i>Dalbergia latifolia</i>	Dodamarg
194		1	<i>Emblica officinalis</i>	Dodamarg
195		1	<i>Emblica officinalis</i>	Ajara
196		2	<i>Eucalyptus camaldulensis</i>	Ajara
197		3	<i>Eucalyptus FRI-4</i>	Ajara
198	3	<i>Eucalyptus FRI-5</i>	Ajara	
199	2	<i>Eucalyptus grandis</i>	Ajara	
200	1	<i>Eucalyptus grandis</i>	Pune	
201	1	<i>Eucalyptus tereticornis</i>	Ajara	
202	1	<i>Ficus glomerata</i>	Ajara	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
203	Candidate Plus Trees	1	<i>Garcinia indica</i>	Dodamarg
204		1	<i>Garcinia indica</i>	Ajara
205		1	<i>Gmelina arborea</i>	Ajara
206		4	<i>Gmelina arborea</i>	Dodamarg
207		1	<i>Heterophragma roxburghii</i>	Ajara
208		1	<i>Gloriosa superba</i>	Dodamarg
209		1	<i>Khya grandifoliola</i>	Dodamarg
210		2	<i>Khaya senegalensis</i>	Ajara
211		1	<i>Khaya senegalensis</i>	Dodamarg
212		2	<i>Lagerstroemea lanceolata</i>	Dodamarg
213		1	<i>Lagerstroemia lanceolata</i>	Ajara
214		1	<i>Lagerstroemea lanceolata</i>	Dodamarg
215		3	<i>Lonnea coromandelica</i>	Dodamarg
216		2	<i>Mesua ferrea</i>	Dodamarg
217		1	<i>Mesua ferrea</i>	Ajara
218		1	<i>Michelia champaca</i>	Ajara
219		4	<i>Miliusa tomentosa</i>	Dodamarg
220		1	<i>Mitragyna parviflora</i>	Ajara
221		1	<i>Mitragyna parviflora</i>	Dodamarg
222		1	<i>Nephelium longana</i>	Dodamarg
223		1	<i>Nothapodytes nimmoniana</i>	Dodamarg
224		2	<i>Pinus caribaea</i>	Ajara
225		1	<i>Polyalthia fragrans</i>	Ajara
226		1	<i>Polyalthia fragrans</i>	Dodamarg
227		1	<i>Pongamia pinnata</i>	Ajara
228		1	<i>Pterocarpus marsupium</i>	Ajara
229		1	<i>Pterocarpus santalinus</i>	Dodamarg
230		2	<i>Schleichera oleosa</i>	Dodamarg
231		1	<i>Schleichera oleosa</i>	Dodamarg
232		1	<i>Sita Ashok</i>	Dodamarg
233		2	<i>Strychnos nuxvomica</i>	Dodamarg
234		1	<i>Swetinia mahogani</i>	Dodamarg
235		1	<i>Swetinia mahogani</i>	Dodamarg
236		1	<i>Switewnia macrophylla</i>	Dodamarg
237		1	<i>Syzigium cuminii</i>	Ajara
238		1	<i>Tectona grandis</i>	Dodamarg

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
239	Candidate Plus Trees	2	<i>Tectona grandis</i>	Dodamarg
240		3	<i>Terminalia arjuna</i>	Dodamarg
241		1	<i>Terminalia arjuna</i>	Ajara
242		1	<i>Terminalia bellerica</i>	Ajara
243		1	<i>Terminalia bellerica</i>	Dodamarg
244		1	<i>Terminalia chebula</i>	Ajara
245		1	<i>Terminalia chebula</i>	Dodamarg
246		1	<i>Terminalia paniculata</i>	Dodamarg
247		1	<i>Terminalia tomentosa</i>	Ajara
248		1	<i>Terminalia tomentosa</i>	Dodamarg
249		1	<i>Xanthoxylum rhetsa</i>	Dodamarg
250		1	<i>Xanthozylam rhetsa</i>	Ajara
251		1	<i>Xylia xylocarpa</i>	Dodamarg
252		3	<i>Tectona grandis</i>	Dodamarg
253		1	<i>Terminalia tomentosa</i>	Dodamarg
254		1	<i>Terminalia paniculata</i>	Dodamarg
255		1	<i>Garcina indica</i>	Dodamarg
256		1	<i>Buchanania lanzan</i>	Dodamarg
257		1	<i>Nothapodytes nimmoniana</i>	Dodamarg
258		1	<i>Tectona grandis</i>	Dodamarg
259		1	<i>Dillenia pentagyna</i>	Dodamarg
260		1	<i>Bombax elliptica</i>	Dodamarg
261		1	<i>Clerodendron serratum</i>	Dodamarg
262		1	<i>Terminalia chebula</i>	Dodamarg
263		1	<i>Mammea longifolia</i>	Dodamarg
264		1	<i>Terminalia bellirica</i>	Dodamarg
265		1	<i>Tectona grandis</i>	Dodamarg
266	3	<i>Acacia catechu</i>	Kasa	
267	8	<i>Acacia catechu</i>	Vaitararana Wildlife	
268	7	<i>Acacia catechu</i>	West Wada	
269	1	<i>Adina cordifolia</i>	Khardi	
270	1	<i>Adina cordifolia</i>	East Wada	
271	1	<i>Adina cordifolia</i>	Khardi	
272	1	<i>Adina cordifolia</i>	Sawa	
273	2	<i>Anogeissus latifolia</i>	Vaitararana Wildlife	
274	2	<i>Bridelia retusa</i>	Kasa	
275	2	<i>Bridelia retusa</i>	Vaitararana Wildlife	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
276	Candidate Plus Trees	2	<i>Casuarina equisetifolia</i>	Bordi
277		2	<i>Dalbergia latifolia</i>	Vaitararana Wildlife
278		1	<i>Gmelina arborea</i>	Wada
279		1	<i>Adenia cordifolia</i>	Jawhar
280		1	<i>Acacia catechu</i>	Dahanu
281		1	<i>Madhuca longifolia</i>	Sawa
282		2	<i>Mitragyna parvifolia</i>	Khardi
283		3	<i>Ougeinia oojeinensis</i>	Vaitararana Wildlife
284		1	<i>Pongamia pinnata</i>	Wada
285		1	<i>Pterocarpus santalinus</i>	Wada
286		1	<i>Pterocarpus marsupium</i>	Kasa
287		2	<i>Pterocarpus marsupium</i>	Vaitararana Wildlife
288		1	<i>Saraca asoka</i>	Wada
289		1	<i>Dalbergia latifolia</i>	Thane
290		3	<i>Tectona grandis</i>	Dahanu
291		2	<i>Tectona grandis</i>	Shahapur
292		2	<i>Tectona grandis</i>	Jawhar
293		5	<i>Tectona grandis</i>	Parali Wildlife
294		1	<i>Tectona grandis</i>	Wada
295		1	<i>Cinnamomum tamala</i>	Wada
296		1	<i>Terminalia chebula</i>	Wada
297		1	<i>Terminalia tomentosa</i>	Dahanu
298		1	<i>Terminalia tomentosa</i>	Vaitararana Wildlife
299		1	<i>Xylia xylocarpa</i>	Kamare
300		2	<i>Xylia xylocarpa</i>	Sawa
301		3	<i>Tectona grandis</i>	Shahapur
302		1	<i>Khaya senegalensis</i>	Kamare
303		1	<i>Tectona grandis</i>	Shahapur
304		1	<i>Tectona grandis</i>	Kamare
305		1	<i>Tectona grandis</i>	Wada
306	1	<i>Dalbergia latifolia</i>	Shahapur	
307	1	<i>Schleichera oleosa</i>	Palghar	
308	1	<i>T.tomentosa</i>	E- Wada	

Sr.No.	Title of the Experiment	Physical target achieved No.	Species tried	Location (Research Range )
1	2	3	4	5
	<b>2.6 Plus Trees</b>			
1	Plus Trees	1	<i>Bombax ceiba</i>	Allapalli
2		1	<i>Dalbergia latifolia</i>	Allapalli
3		1	<i>Dalbergia latifolia</i>	Jimalgatta
4		1	<i>Tectona grandis</i>	Allapalli
5		1	<i>Tectona grandis</i>	Asarali
6		1	<i>Tectona grandis</i>	Jimalgatta
7		1	<i>Tectona grandis</i>	Pedigundam
8		1	<i>Tectona grandis</i>	Kharbi
9		1	<i>Tectona grandis</i>	Raipur
10		1	<i>Tectona grandis</i>	Kudal
11		1	<i>Tectona grandis</i>	Sawantwadi
<b>C.Establishment of Demonnstrative Plantation</b>				
1	Dence Forest Plantation	2 Ha	<i>Aegle marmelos</i>	Forest Survey No. 204 Forest Research Centre, Jalna
2			<i>Phyllanthus Emblica</i>	
3			<i>Terminalia bellirica</i>	
4			<i>Terminalia chebula</i>	
5			<i>Semecarpus anacardium</i>	
6			<i>Syzygium cumini</i>	
7			<i>Terminalia arjuna</i>	
8			<i>Justica adhatoda</i>	
9			<i>Prenna serratifolia</i>	
10			<i>Rauwolfia serpentina</i>	
11			<i>Murraya koenigil</i>	
12			<i>Sapinbus mukorossr</i>	
13			<i>Azadirachta indica</i>	
14			<i>Sterculia urens and other 37 Mix species</i>	

## F) WILDLIFE

### 1) Wildlife Sanctuaries & National Parks: Management

Maharashtra is home to large number of wild animals and bird species along with many rare species. There are 6 National Parks (NP), 51 Wildlife Sanctuaries (WLS) and 27 Conservation Reserves notified (CR) in the State. List is given in the table no. I below.

**TABLE - I**  
**LIST OF WILDLIFE SANTUARIES, NATIONAL PARKS AND CONSERVATION RESERVES**

Sr. No.	WL Circle	WL Division	Name of WLS, N.P. & Conservation Protected	Date of Notification	Area(Sq.Km)	District			
1	2	3	4	5	6	7			
1	APCCF(WL)	CF & FD, Chandrapur	Tadoba N.P. *	31/3/1955	116.550	Chandrapur			
2			Andhari WLS *	25/2/1986	509.270	Chandrapur			
3		ACF(WL)	Bhamragadh WLS	06/05/1997	104.380	Gadchiroli			
4	East Nagpur (16)	Allapalli	Chaprala WLS	25/02/1986	134.780	Gadchiroli			
5		CF & FD, PTR Nagpur		Bor WLS *	27/11/1970	61.100	Nagpur/ Wardha		
6				New Bor WLS*	28/02/2012	60.70	Nagpur/ Wardha		
7				New Bor Ext.*	03/05/2014	16.32	Nagpur/ Wardha		
8				Pench N.P.*	22/11/1975	257.26	Nagpur		
9				Mansingdeo WLS*	02/11/2010	182.580	Nagpur		
10				Umred- Karandala WLS	29/06/2012	189.29	Nagpur/ Bhandara		
11				Umred-Pauni-Karandala Extended WLS	04/07/2023	6.37	Bhandara		
12				Dy.CF & FD NNTR, Gondia		Navegaon N.P *	22/11/1975	133.880	Gondia
13						Navegaon WLS *	28/02/2012	122.760	Gondia
14						Nagzira WLS *	03/06/1970	152.810	Gondia/ Bhandara
15		New Nagzira WLS *	29/02/2012			151.33	Gondia/ Bhandara		
16		Koka WLS *	18/07/2013			100.138	Gondia/ Bhandara		
17		CCF & FD, M.T.R. Amravati (11)	Sipna (WL) Paratwada-1	Melghat WLS *	05/09/1985 & 15/02/1994	788.750	Amravati		
18			Gugamal (WL) Paratwada -2	Gugamal N.P. * Melghat WLS	27/11/1987 & 08/08/2000	361.280	Amravati		
19			(WL) Aakot		Ambabarva WLS *	09/04/1997	127.110	Bhuldhana	
20	Narnala WLS *				02/05/1997	12.350	Akola		
21	Wan WLS *				28/07/1997 & 29/07/1997	211.00	Amravati		
22	(WL) Akola			Dnyanganga WLS	07/05/1997 & 09/05/1997	205.210	Buldhana		
23				Katepurna WLS	08/02/1988	73.690	Akola		

Sr. No.	WL Circle	WL Division	Name of WLS, N.P. & Conservation Protected	Date of Notification	Area(Sq.Km)	District		
1	2	3	4	5	6	7		
24			Lonar WLS	08/06/2000	3.83	Bhuldhana		
25			Karanja-Sohol Black-Buck Sanctuary	07/12/2000	18.32	Washim		
26			DFO (WL) Pandharkawada	Tipeshwar WLS	24/01/1997 & 30/04/1997	148.63	Yavatmal	
27				Painganga WLS	25/02/1986 & 24/02/2004	424.890	Yavatmal	
28			APCCF(WL) West Mumbai (22)	CF(WL) Pune	Deulgaon-Rehekuri WLS	29/02/1980	2.170	Ahamadnagar
29					Maldhok WLS (Rationalization)	09/03/2016	366.73	Solapur/Ahamadnagar
30					Bhimashankar WLS	16/09/1985	130.780	Pune/Thane
31	New Maldhok Bird WLS (Gangewadi)	28/02/2012			01.98	Solapur		
32	Mayureshwar- Supe WLS	19/08/1997			5.145	Pune		
33	Tamhini WLS	03/05/2013			49.62	Pune/Raigad		
34	Dy.CF(WL)	Phansad WLS		25/02/1986	69.790	Thane/Raigad		
35	Thane	Tansa WLS		12/06/1970 & 16/09/1985	304.810	Thane/Palghar		
36		Karnala (Fort) Bird WLS		06/05/1968 & 23/01/2003	12.155	Raigad		
37		Sudhagad WLS		27/08/2014	77.128	Pune/Raigad		
38	CF & FD, STR, Kolhapur	Radhanagri WLS	02/12/1958 & 16/09/1985	351.160	Kolhapur			
39		Koyana WLS *	16/09/1985	423.550	Satara			
40		Chandoli N.P. *	14/05/2004	317.670	Ratnagiri/ Kolhapur/ Sangali/Satara			
41		Sagareshwar WLS	16/09/1985	10.87	Sangali			
42	CF&Dir. SGNP Borivali	S.G.N.P.	04/02/1983 & 16/01/1996	86.96	Mumbai Sub Urban			
43		Tungareshwar WLS	24/10/2003	85.700	Thane/Palghar			
44	DFO(WL) Ch. Sambhajinagar	Goutala Autramghat WLS	25/02/1986	260.610	Ch. Sambhajinagar			
45		Jaikwadi Bird WLS	10/10/1986	341.050	Ch. Sambhajinagar			
46		Naigaon-Mayur WLS	08/12/1994	29.89	Beed			

Sr. No.	WL Circle	WL Division	Name of WLS, N.P. & Conservation Protected	Date of Notification	Area(Sq.Km)	District
1	2	3	4	5	6	7
47			Yedshi Ramlingghat WLS	16/05/1997 & 17/05/1997	22.38	Usmanabad
48		CF(WL) Nashik	Nandurmadyameshwar WLS	25/02/1986	100.120	Nashik
49			Kalsubai Harishchan dragad WLS	25/02/1986	361.710	Ahamadnagar
50			Aner-Dam WLS	10/10/1986	82.940	Dule
51			Yaval WLS	21/03/1969	177.520	Jalgaon
52	CF(T) Gadchiroli	Dy.CF(T) Sironcha	Pranhita WLS	27/08/2014	420.060	Gadchiroli
53	CF(T) Yavatmal	Dy.CF(T) Pusad/Hingoli	Isapur WLS	27/08/2014	37.803	Yavatmal
54	CCF(T) Chandrapur	Dy.CF, Bramhpuri	Ghodazari Wildlife Sanctuary	23/03/2018	153.31	Chandrapur
55	CCF (Mangrove cell) Mumbai Sub-Urban	---	Thane Creek Flamingo WLS	06/08/2015	16.90	Mumbai Sub Urban
56			Malvan Marine WLS	13/04/1987	29.122	Sindhudurg
57	Managing Director, FDCM	---	Kanhargaon WLS	15/03/2021	269.40	Chandrapur
58	CCF(T) Nashik	Dy.CF(T) East, Nashik	Bhorgad Conservation Reserve	05/03/2008	3.49	Nashik
59	CF(T) Gadchiroli	Dy.CF(T) Sironcha	Kolamarka Conservation Reserve	08/01/2013	180.72	Gadchiroli
60	CF(T) Dhule	Dy.CF(T) Jalgaon	Muktai Bhavani Conservation Reserve	03/05/2014	122.740	Jalgaon
61	CCF(T) Nashik	Dy.CF(T) East Nashik	Mamdapur Conservation Reserve	24/06/2014	54.46	Nashik
62	CF(T) Dhule	Dy.CF Nandurbar Forest Division, Shahada	Toranmal Conservation Reserve	11/07/2016	93.42	Dhule
63	CCF(T) Nashik	Dy.CF, West Nashik	Anjaneri Conservation Reserve	31/01/2017	5.69	Nashik
64	CCF(T) Kolhapur	Dy.CF (T) Sawantwadi	Tillari Conservation Reserve	22/06/2020	29.53	Kolhapur
65	CCF(T) Kolhapur	Dy.CF (T) Satara	Jor -Jambhali Conservation Reserve	15/03/2021	65.11	Satara

Sr. No.	WL Circle	WL Division	Name of WLS, N.P. & Conservation Protected	Date of Notification	Area(Sq.Km)	District
1	2	3	4	5	6	7
66	CCF(T) Kolhapur	Dy.CF (T) Kolhapur	Panhalgad Conservation Reserve	15/03/2021	72.90	Kolhapur
67	CCF(T) Kolhapur	Dy.CF (T) Kolhapur	Chandgad Conservation Reserve	15/03/201	225.24	Kolhapur
68	CCF(T) Kolhapur	Dy.CF (T) Kolhapur	Vishalgad Conservation Reserve	15/03/201	92.96	Kolhapur
69	CCF(T) Kolhapur	Dy.CF (T) Sawantwadi	Amboli - Dodamarg Conservation Reserve	15/03/2021	56.92	Sindhudurg
70	CCF(T) Kolhapur	Dy.CF (T) Satara	Mayani Bird Conservation Reserve	15/03/2021	8.67	Satara
71	CCF(T) Nagpur	Dy.CF (T) Nagpur	Muniya Conservation Reserve	11/05/2021	96.01	Nagpur
72	CF(T) Amravati	Dy.CF (T) Amravati	Mahendri Conservation Reserve	13/09/2021	67.82	Amravati
73	CF(T) Dhule	Dy.CF (T) Dhule	Chivatibari Conservation Reserve	22/09/2022	66.04	Dhule
74	CCF(T) Kolhapur	Dy.CF (T) Satara	Dare Khurd (Mahadare) Conservation Reserve	10/10/2022	1.07	Satara
75	CCF(T) Nagpur	Dy.CF (T) Nagpur/Bhandar a	Mogarkasa- Mangarli Conservation Reserve	10/10/2022	103.92	Nagpur/Bhandara
76	CCF(T) Nashik	Sub-Division, Malegaon	Muragad Conservation Reserve	10/10/2022	42.87	Nashik
77	CCF(T) Kolhapur	Dy.CF (T) Kolhapur	MasaiPathar Conservation Reserve	11/10/2022	5.34	Kolhapur
78	CCF(T) Thane	Dy.CF (T) Roha	Raigad Conservation Reserve	11/10/2022	47.62	Raigad
79	CF(T) Pune	Sub Divisional Forest Office, Bhor	Bhor Conservation Reserve	11/10/2022	28.44	Pune
80	CF(T) Dhule	Dy.CF (T) Dhule	Alaldari Conservation Reserve	11/10/2022	100.56	Dhule
81	CCF(T) Nashik	Dy.CF, East Nashik	Kalvan Conservation Reserve	22/11/2022	84.12	Nashik

Sr. No.	WL Circle	WL Division	Name of WLS, N.P. & Conservation Protected	Date of Notification	Area(Sq.Km)	District
1	2	3	4	5	6	7
82	CCF(T) Nashik	Dy.CF, West Nashik	Igatpuri Conservation Reserve	22/11/2022	88.49	Nashik
83	CCF(T) Nashik	Dy.CF, West Nashik	Tribmbakeshwar Conservation Reserve	22/11/2022	96.97	Nashik
84	CCF(T) Thane	Dy.CF (T) Roha	Roha Conservation Reserve	11/04/2023	27.30	Thane
<b>Total</b>					<b>11049.451</b>	

\* Protected Areas included in Tiger Project.

Percentage of Wildlife Protected Area is 3.59% of total Geographical Area of Maharashtra (307713 Sq. Km.)

#### ABSTRACT

Sr. No.	Protected Area	Numbers	Total Area (Sq.km.)
1	Wildlife Sanctuary	51	7911.761
2	National Park	06	1269.27
3	Conservation Reserve	27	1868.42
<b>Total</b>		<b>84</b>	<b>11049.451</b>

Management plans are prepared for each protected area and the management plan is approved by a committee headed by PCCF(WL). The status of management plan is given in table no. 2.

#### TABLE - II

##### POSITION OF MANAGEMENT PLANS CONSERVATION PLANS OF PROTECTED AREAS

Sr. No	Name of Protected area	Order No./Date of approval of Tiger Conservation Plan of TR/Management Plan of NP/WLS/ CR	Period of Plan	Remarks
1	Sagareshwar Wildlife Sanctuary	Desk-22(8)/4825/13-14 dt. 19/3/2013	2013-14 to 2022-23	Plan Approved
2	Sanjay Gandhi National Park	Desk-22(8)/4827/13-14 dt. 19/3/2013	2013-14 to 2022-23	Plan Approved
3	Karnala Bird Sanctuary	Desk-22(8)/4826/13-14 dt. 19/3/2013	2013-14 to 2022-23	Plan Approved
4	Yaval Wildlife Sanctuary	Desk-22(8)/5552-A/13-14 dt. 29/3/2014	2013-14 to 2022-23	Plan Approved
5	Radhanagari Wildlife Sanctuary	Desk-22(8)/05/13-14 dt. 01/04/2014	2013-14 to 2022-23	Plan Approved
6	Katepurna Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-685/15-16/2885 dt. 17/10/2015	2013-14 to 2022-23	Plan Approved
7	Dnyanganga Wildlife Sanctuary	Desk-22(8)/WL/M Plan /CR-166 Part-6/3067/15-16 dt. 30/10/2015	2015-16 to 2024-25	Plan Approved

Sr. No	Name of Protected area	Order No./Date of approval of Tiger Conservation Plan of TR/Management Plan of NP/WLS/ CR	Period of Plan	Remarks
8	Naigaon Mayur Wildlife Sanctuary	Desk-22(8)/WL/MP/CR-166 Part-16/3153/15-16 dt. 5/11/2015	2015-16 to 2024-25	Plan Approved
9	Nandur Madhameshwar Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-17/3490/15-16 dt. 01/12/2015	2015-16 to 2024-25	Plan Approved
10	Kolamarka Conservation Reserve	Desk-22(8)/WL/M Plan/CR-795(13-14)/3924/15-16 dt. 04/01/2016	2014-15 to 2023-24	Plan Approved
11	Yedshi Ramling Ghat Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-18/5439/15-16 dt. 15/02/2016	2015-16 to 2024-25	Plan Approved
12	Chaprara Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-4/5440/15-16 dt. 15/02/2016	2015-16 to 2024-26	Plan Approved
13	Gautala Autramghat Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-9/2514/18-19 dt. 16/10/2018	2015-16 to 2024-25	Plan Approved
14	Kalsubai Harishchandragad Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-3/5594/15-16 dt. 24/02/2016	2016-17 to 2025-26	Plan Approved
15	MayureshwarSupe Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-865(14-15)/3083/16-17 dt. 22/11/2016	2013-14 to 2022-23	Plan Approved
16	Lonar Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-19(15-16)/1938/17-18 dt. 21/9/2017	2017-18 to 2026-27	Plan Approved
17	Bhamragad Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-7(15-16)/2881/17-18 dt. 14/12/2017	2016-17 to 2025-26	Plan Approved
18	Pranhita Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-14/2988/17-18 dt. 21/12/2017	2016-17 to 2025-26	Plan Approved
19	Painganga Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-5/3009/17-18 dt. 22/12/2017	2016-17 to 2025-26	Plan Approved
20	Tipeshwar Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-20(15-16)/3008/17-18 dt. 22/12/2017	2016-17 to 2025-26	Plan Approved
21	Tamhini Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-10(15-16)/1744/18-19 dt. 08/08/2018	2018-19 to 2027-28	Plan Approved
22	Sudhagarh Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-13(15-16)/ 2604/18-19 dt. 20/10/2018	2018-19 to 2027-28	Plan Approved
23	Tungareshwar Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-21(17-18)/ 3266/18-19 dt. 17/12/2018	2018-19 to 2027-28	Plan Approved
24	Great Indian Bustard (GIB) WLS	Desk-22(8)/WL/M Plan/CR-756(12-13)/4664/18-19 dt. 31/03/2019	2017-18 to 2026-27	Plan Approved
25	New GIB Sanctuary			
26	Deulgaon-Rehekuri Wildlife Sanctuary			

Sr. No	Name of Protected area	Order No./Date of approval of Tiger Conservation Plan of TR/Management Plan of NP/WLS/ CR	Period of Plan	Remarks
27	Ghodazari Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-6(18-19)/4654/18-19 dt. 30/03/2019	2019-20 to 2028-29	Plan Approved
28	Anjaneri Conservation Reserve	Desk-22(8)/WL/M Plan/CR-10(19-20)/1032/19-20 dt. 19/6/2019.	2019-20 to 2024-25	Plan Approved
29	Isapur Wildlife Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-12(15-16)/1383/19-20 dt. 8/7/2019.	2019-20 to 2028-29	Plan Approved
30	Thane Creek Flemingo Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-15(15-16)/ 440/20-21 dt. 18/6/2020.	2020-21 to 2029-30	Plan Approved
31	Malvan Marine Sanctuary	Desk-22(8)/WL/M Plan/CR-166 Part-2(14-15)/ 1360/20-21 dt. 07/10/2020.	2020-21 to 2029-30	Plan Approved
32	Jaikwadi Bird Wildlife Sanctuary		2019-20 to 2028-29	Plan Approved with certain condition
33	Umred Karandla Wildlife Sanctuary		2016-17 to 2025-26	Plan Approved with certain condition
34	Chandoli National Park	TCP of STR Approved by NTCA vide letter dated 25/10/2013 For period from 2013-14 to 2022-23	2013-14 to 2022-23	Plan Approved
35	Koyna Wildlife Sanctuary			
36	Pench National Park	TCP of PTR Approved by NTCA vide letter No. F-1-2/2012-NTCA dated 24/9/2015 For period from 2013-14 to 2022-23	2013-14 to 2022-23	Plan Approved
37	Mansingdeo Wildlife Sanctuary			
38	Melghat Wildlife Sanctuary		2014-15 to 2023-24	Plan Approved
39	Gugamal National Park			
40	Wan Wildlife Sanctuary	TCP for MTR Approved by NTCA For period from 2014-15 to 2023-24		
41	Narnala Wildlife Sanctuary			
42	Ambabarva Wildlife Sanctuary			
43	Tadoba National Park	Tiger Conservation Plan TATR Approved by NTCA For period from 2016-17 to 2026-27	2016-17 to 2026-27	Plan Approved
44	Andhari Wildlife Sanctuary			
45	Nagzira Wildlife Sanctuary	TCP of NNTR Approved by NTCA vide letter No. F-1-7/2014-NTCA dated 08.03.2021 For period from 2020-21 to 2029-30	2020-21 to 2029-30	Plan Approved
46	Nawegaon National Park			
47	New Nagzira Wildlife Sanctuary			
48	Koka Wildlife Sanctuary			
49	Navegaon Wildlife Sanctuary			
50	Bor Wildlife Sanctuary			Tiger Conservation Plan received in by PCCF (WL) office
51	New Bor Wildlife Sanctuary			Under Scrutiny
52	New Bor Wildlife Extension Sanctuary			
53	Karanja Sohol Wildlife Sanctuary			Plan under preparation

Sr. No	Name of Protected area	Order No./Date of approval of Tiger Conservation Plan of TR/Management Plan of NP/WLS/ CR	Period of Plan	Remarks
54	Bhimashankar Wildlife Sanctuary	Desk-22(8)/WL/M. Plan/CR-166 part-22 (14-15)/ 2104/22-22 Nagpur dated: 24 November, 2021	2021-22 to 2030-31	Plan Approved
55	Tillari Conservation Reserve	Desk-22(8)/WL/M. Plan/CR-13 (2020-21)/ 4540/22-23 Nagpur dated: 27 Feb, 2023	2021-22 to 2030-31	Plan Approved
56	Phansad Wildlife Sanctuary	Desk-22(8)/807/11-12 dt. 16/6/2011.	Expired March 2020	The committee recommended of the plan with modification suggested meeting of tech. committee on dt. 25.02.2022
57	Aner Dam Wildlife Sanctuary	Desk-22(8)/780/11-12 dt. 14/6/2011	Expired March 2019	The committee recommended of the plan with modification suggested meeting of tech. committee on dt. 2.06.2022
58	Amboli-Dodamarg Conservation Reserve		NEW	Plan under preparation
59	Chandgad Conservation Reserve		NEW	Plan under preparation
60	Panhalgad Conservation Reserve		NEW	Plan under preparation
61	Vishalgad Conservation Reserve		NEW	Plan under preparation
62	Jor-Jambhali Conservation Reserve		NEW	Plan under preparation
63	Muniya Conservation Reserve		NEW	Scrutiny
64	Mayani Bird Conservation Reserve		NEW	Plan under preparation
65	Kanhargaon Wildlife Sanctuary		NEW	Scrutiny
66	Mahendri Conservation Reserve		NEW	Plan under preparation
67	Chivatibari Conservation Reserve		NEW	Plan under preparation
68	Masai Pathar Conservation Reserve		NEW	Plan under preparation
69	Muragad Conservation Reserve		NEW	Plan under preparation
70	Mogarkasa-Mangarli Conservation Reserve		NEW	Plan under preparation
71	Dare Khurd (Mahadare) Conservation Reserve		NEW	Plan under preparation
72	Raigad Conservation Reserve		NEW	Plan under preparation
73	Bhor Conservation Reserve		NEW	Plan under preparation

Sr. No	Name of Protected area	Order No./Date of approval of Tiger Conservation Plan of TR/Management Plan of NP/WLS/ CR	Period of Plan	Remarks
74	Alaldari Conservation Reserve		NEW	Plan under preparation
75	Trimbakeshwar conservation Reserve		NEW	Plan under preparation
76	Kalwan conservation Reserve		NEW	Plan under preparation
77	Igatpuri Conservation Reserve		NEW	Plan under preparation
78	Roha Conservation Reserve		New	Plan under preparation
79	Bhorgad Conservation Reserve, Nashik	Desk-22(8)/CR-650/249/2013-14 dt. 29/04/2014 Revised extension order letter No. 213 (17-18)/ dated 20/4/2017.	Expired March 2021	Expired March 2021
80	Tansa Wildlife Sanctuary	Desk-22(8)/1156/12-13 dt. 26/6/2012	Expired March 2021	
81	Mamdapur Conservation Reserve	Desk-22(8)/WL/M Plan/CR-930(14-15)/2224/16-17 dt. 31/03/2016	2014-15 to 2018-19 Effect from 1/4/2016 ( Due March, 2021)	Expired March 2021
82	Muktai Bhavani Conservation Reserve	Desk-22(8)/WL/M Plan/CR-166 Part-11(15-16)/1703/16-17 dt. 2/8/2016	2016-17 to 2021-22	Expired March 2021
83	Toranmal Conservation Reserve	Desk-22(8)/WL/M Plan/CR-11(17-18)/3727/17-18 dt. 27/02/2018	2017-18 to 2021-22	Expired March 2021

## 2) Tiger Reserves in Maharashtra

There are 6 Tiger Reserves in the State. The core and buffer of these Tiger Reserves are notified under Wildlife (Protection) Act, 1972. The details of Tiger Reserves are given in Table No.3 below. There is no Elephant Reserve in the State of Maharashtra, but there are reports of elephant migration from Karnataka State in Sawantwadi and Kolhapur Forest Divisions of Kolhapur Forest Circle. In October 2021, a herd of 23 elephants have entered into Gadchiroli Circle from Chattisgarh State but the herd has safely returned in February 2022.

**TABLE - III**  
**DETAILS OF TIGER RESERVE IN MAHARASHTRA**

Sr.No.	Tiger Reserve	Area in Sq.Km.		
		Core	Buffer	Total
1.	Melghat Tiger Reserve	1500.49	1268.04	2768.53
2.	Tadoba-Andhari Tiger Reserve	625.82	1101.77	1727.59
3.	Sahaydri Tiger Reserve	511.87	565.45	1077.32
4.	Pench Tiger Reserve	257.26	483.96	741.22
5.	Navegaon -Nagzira Tiger Reserve	653.67	1241.27	1894.94
6.	Bor Tiger Reserve	138.12	678.14	816.26
<b>Total</b>		<b>3687.23</b>	<b>5338.63</b>	<b>9025.86</b>

## 3) Tiger Population Estimation

Tiger number estimation is done every four years by National Tiger conservation Authority. Maharashtra State has 444 Tigers as per "Status of tiger in India 2022" Report declined by National Tiger Conservation Authority.

#### 4) Details of Tigers and Leopards deaths in Maharashtra State

The details of tiger and leopard deaths reported in the State since 2017 till July 2023 is given in table no.4

**TABLE - IV**

Sr. No.	Year	Tiger/ Leopard	Cause of Deaths					Total	
			Natural	Unnatural			Hunting U/S 11(1)(a) of WLPA 1972		Other/ Unknown/ Under Investigation
				Accident	Poaching	Electrocution			
1	2017	Tiger	12	1	9	--	--	22	
		Leopard	55	21	9	--	1	86	
2	2018	Tiger	12	3	3	--	1	19	
		Leopard	54	27	7	--	--	88	
3	2019	Tiger	8	3	6	--	--	17	
		Leopard	66	35	9	--	--	110	
4	2020	Tiger	9	1	8	--	0	18	
		Leopard	95	73	29		1	198	
5	2021	Tiger	19	1	7	3	0	32	
		Leopard	90	68	2	2	0	167	
6	2022	Tiger	9	2	1	4	0	16	
		Leopard	36	24	4	2	0	76	
7	2023	Tiger	17	04	01	07	0	31	
		Leopard	37	30	03	05	0	97	

#### 5) Man- Animal Conflict

Various mitigation measures like installation of solar fence, forest resource dependency reduction activities, awareness etc. are implemented for reduction of man animal conflict. The payment of compensation and ex-gratia payment in case of injury, loss or damage to human life, cattle and crop is provided by the State Government. The details of cases and amount paid is given below.

**TABLE - V**

**EXPENDITURE FOR COMPENSATION PAID IN CASE OF ILUMAN LOSS/ CATTLE LOSS AND CROPDAMAGE CAUSED BY WILD ANIMALS.**

Sr. No.	Financial Year	Total Expenditure Rs. Crore
1	2013-14	11.86
2	2014-15	12.50
3	2015-16	37.30
4	2016-17	37.87
5	2017-18	49.59
6	2018-19	65.58
7	2019-20	70.00
8	2020-21	80.00
9	2021-22	80.00
10	2022-23	127.10

**TABLE - VI****DETAILS OF HUMAN DEATH DUE TO WILD ANIMALS AND COMPENSATION PAID**

Sr. No.	Financial Year	No. of cases of Human Death	Compensation Amount Rs. Lakhs
1	2010-11	33	66.00
2	2011-12	32	64.00
3	2012-13	37	74.00
4	2013-14	47	235.00
5	2014-15	42	237.00
6	2015-16	46	368.00
7	2016-17	53	424.00
8	2017-18	50	400.00
9	2018-19	36	406.00
10	2019-20	47	705.00
11	2020-21	81	1200.00
12	2021-22	86	1290.00
13	2022-23	111	2220.00

**6) Status of Rehabilitation**

- 1) Rehabilitation of Villages from Protected Areas
- After acceptance of an enquiry report submitted by Sub-Divisional Officer (Revenue) the villages to be relocated from Protected Area is finalized.
- The villagers who voluntarily accept the relocation are only rehabilitated.
- The relocation is implemented as per State Government Resolution. G.R.No. WLP-1012/C.R. 122/F-1, dated 3rd November, 2012 provides Option-1 and Option-II for willing family as per their choice.

**Option-I** A package of Rs. 10.00 lakhs for each family is given.

(Rs. 15.00 lakhs for each family only for Tiger Reserve since April 2022)

**Option-II** The families under this option are being rehabilitated at new place where all civic amenities are provided, wherein each family is allotted a residential plot, up to 2.00 hectares of agriculture land, Rs. 2.00 lakhs for house construction and Rs.0.50 lakh as rehabilitation grant is given. G.R. No. WL.P-0714/C.R.167/F-1 dated 12th October, 2015 now provides for cost of land acquired (calculated twice the ready reckoner rates) and 100% solatium which in actual perspective becomes 4 times the cost of land. This amount is separate and above Rs. 10.00 lakhs package.

**Present status of rehabilitation in Maharashtra**

1) No. of villages to be relocated from Tiger Reserves	- 83
2) No. of villages to be relocated from PAs	- 34
3) Total No. of villages to be relocated (1+2)	- 117
4) No. of villages relocated from Tiger Reserves upto March-2022	- 63
5) No. of villages relocated from other PA's (except TR)	- 03
6) Total No. of villages relocated upto March-2022	- 69
7) Villages remains to be relocated	- 48

## 7) Village Eco-development

A special State Plan Scheme has been started under title "Dr. Shyama Prasad Mukherjee Jan Van Vikas Yojana" from the year 2015-16. The scheme will cover villages in buffer of Tiger Reserves, villages within 2 km from Sanctuaries and National Parks and designated corridors. Special financial package of Rs.25.00 lakh per village is provided under the scheme. The works of man-animal conflict mitigation, reduction of dependency on forest resources and upgradation of skill of villagers are under taken in the scheme. The details of villages tackled under the scheme and financial assistance provided is given in Table 7 below.

**TABLE - VII**

**DETAILS OF IMPLEMENTATION OF DR. SHYAMA PRASAD MUKHERJEE JAN VAN VIKAS YOJANA**

Sr.No.	Year	Number of villages implemented	Amount of financial Assistance Rs (lakh)
1	2015-16	166	3400
2	2016-17	176	4250
3	2017-18	188	8800
4	2018-19	197	8800
5	2019-20	78	2962
6	2020-21	135	3745
7	2021-22	172	4475
8	2022-23	197	4930
<b>Total</b>		<b>1309</b>	<b>41362</b>

**PARTICULARS OF WILDLIFE FUNDS FOR 2022 - 23**

Sr. No	Kind of Source of Fund (State/CSS)	Name of Scheme	Budgeted/ Proposal (in lakh)	Proposal Submitted (In lakh)
1	Centrally Sponsored Scheme (Project Tiger)	i) Project Tiger	1952.9674	1882.967
2	State Plan	i) Nature conservation and wildlife Management ( 24060775)	4408.60	4263.85
		ii) Dr. Shyama Prasad Mukherjee Jan Van VikasYojna (24068711)	6614.91	6415.06
		iii) Rehabilitation of villages From PA's (24062241)	7000.004	4899.99
		iv) Estt. Of Wild Animal Infirmaries(24062232)	7387.84	7395.00
3	CAMPA	i) Voluntary relocation of villages from Protected Areas (Including cost of land and other property of the field owners)	16840.00	3556.83
		ii) Improvement of wildlife habitat as provided in the wildlife management plan or working plan.		1680.26
		iii) Management of biological diversity and biological resources.		0.00
		iv) Establishment Operation & Maintenance of animal rescue Centre and veterinary treatment facilities.		577.77
<b>Total</b>				<b>5814.86</b>

Sr. No	Kind of Source of Fund (State/CSS)	Name of Scheme	Budgeted/ Proposal (in lakh)	Proposal Submitted (In lakh)
4	Foundation	i) Tadoba-Andhari Tiger Conservation Foundation	1000.56	1000.56
		ii) Pench/Bor Tiger Conservation Foundation	500.00	500.00
		iii) Melghat Tiger Conservation Foundation	519.00	519.00
		iv) Sahyadri Tiger Conservation Foundation	439.90	439.90
		v) Navegaon - Nagzira Tiger Conservation Foundation	140.00	140.00

## G) BIODIVERSITY

### State Biodiversity Board (SBB)

The Government of Maharashtra has constituted the Maharashtra State Biodiversity Board under section 22 (1) of the Biological Diversity Act 2002, on 2nd January 2012 vide Notification No. WLP-1009/C.R.15/F-1dt. 02/01/2012. As per G.R. No WLP-0815/C.R.36/F-1/dt.22-03-2021, the State Government has appointed Chairman & Non Official Members as well as vide Notification no. WLP-0215/CR-36/F-1 dt. 11-05-2021 State Government appointed Ex-Official Members for Maharashtra State Biodiversity Boards for the period of 3 years as under.

1	Dr. S.H. Patil, (Ret. IFS)	Chairman, MSBB
2	Secretary, Agriculture Department	Ex-officio Member, MSBB
3	Secretary, Tribal Development Department	Ex-officio Member, MSBB
4	Principal Chief Conservator of Forests (Wildlife)	Ex-Officio Member, MSBB
5	Vice – Chancellor, Dr. Panjabrao Deshmukh, Krishi Vidyapeeth, Akola	Ex-Officio Member, MSBB
6	Secretary Animal Husbandry, Dairy Development & Fisheries.	Ex-Officio Member, MSBB

### Establishment of the Maharashtra State Biodiversity Board

The Headquarter of Maharashtra State Biodiversity Board is located at Nagpur & Sub office is at Pune. The State Government as per Resolution No.MFS-2017/77/ F-8, dt. 21/09/2021 and G.R. No. IFS-2022/C.R.105/F-7, dt. 29/09/2022 has sanctioned following posts for Maharashtra State Biodiversity Board.

Sr. No.	Designation	No. of Post
1	PCCF & Member Secretary	1
2	Director, Maharashtra Gene Bank	1
3	Divisional Forest Officer	1
4	Assistant Conservator of Forests	3
5	Stenographer (Higher Grade)	2
6	Accountant	1
7	Clerk cum Typist	1
8	Peon	1
9	Driver	1
<b>Total</b>		<b>12</b>

During 2022-23 the officers and staff of Maharashtra State Biodiversity Board is as follows.

Nagpur			Pune		
S. N.	Designation	Number	S. N.	Designation	Number
1	Chairman	-	1	Outsourcing persons	02
2	Member Secretary	01	2	Biodiversity Fellow	01
3	Director, Maharashtra Gene Bank	01	3	Retired Employee	0
4	Regular Employee 1 DFO, 1 Accountant, 1 Stenographer Higher Grade,	03			
5	Retired Employee	04			
6	Outsourcing persons	05			
7	Fellow (Through NBA)	1			
	<b>Total</b>	<b>15</b>		<b>Total</b>	<b>03</b>

#### Functions of the Board

As per Sec 23 of BD Act 2002, the functions of State Biodiversity Board are as follow:-

- 1) Advise the State Government on any matter concerning conservation of Bio-diversity, sustainable use of its components and fair and equitable sharing of benefits arising out of the use of biological resources and knowledge.
- 2) Regulate by granting of approvals or otherwise requests for commercial utilization or bio-survey and bio-utilization of any biological resource by Indians.
- 3) Perform such other functions as may be necessary to carry out the provisions of this Act or as may be prescribed by the State Government.

#### Budget and Expenditure of SBB (With concise Head wise details) 2022-23

The total fund received from State Government & National Biodiversity Authority till 31st March 2022 is as below.

Sr. No.	Particulars	Amount Received (Lakh)
1	2406 F & WL (Plan)	1267.68
2	NBA Grant	13.50
	<b>Total</b>	<b>1281.18</b>

#### Board meetings during the period 2022-23 as follows

The meeting of Maharashtra State Biodiversity Board is held on 29/04/2022 at Jaivavidhata Bhavan, Nagpur.

Government of Maharashtra Decision WLP-0815/Pro.No. 36/F-1/Dated 22-03-2021, Chairman and Non-Governmental Members of the Board were appointed but the Government of Maharashtra vide G.R No. WLP-07.22/P.No.198/F-1, dt.16/09/2022, the appointment of Chairman and Non-official members of the board has been cancelled with effect from 16/09/2022. As a result of the non-existence of the Board from 16/09/2022, no further meetings were held.

### **Workshop during the period of 2022-23**

Capacity building training programmes has been conducted at District and Panchayat Samiti level for Biodiversity Management Committee members/Chairpersons/Staff Officers of NGOs/ Aligned Departments, Panchayat Samiti/ District level/ Divisional (Revenue Department) level to implement the Biodiversity Act 2002

Also, various meetings/workshops were held at the government level and at the office level, regarding the implementation of the Maharashtra Gene Fund Project. A total of 51 such seminars/workshops/meetings were conducted by the Board, during 2022-23.

### **Maharashtra Gene Bank:-**

On Date 04/10/2021, the Meeting of Maharashtra Gene Bank Project was held in the Presence of Hon. Chief Minister, Maharashtra State where in Dr. Anil Kakodkar Chairman, Rajiv Gandhi Science and Technology Commission submitted the reports on Maharashtra Gene Bank Project to Maharashtra Govt. In that meeting Govt. has principally given permission for implementation of Maharashtra Gene Bank project through the Maharashtra State Biodiversity Board. For implementation of Maharashtra Gene Bank Project, the Govt. has issued Resolution No. WLP-1221/C.No.324/F-1, dated 25/05/2022.

### **Celebration of International Day & Other Days**

#### **1. Celebration of International Day for Biological Diversity (IBD) in Maharashtra State dt. 22/05/2022**

As directed by the National Biodiversity Authority, Government of India, Chennai, Maharashtra State Biodiversity Board has celebrated State Level International Biodiversity Day 2022 on 20/05/2022 and 22/05/2022 at Kavivarya Suresh Bhat Auditorium, Reshimbagh, Nagpur and Indian Institute of Science Education and Research (IISER) Auditorium, Dr. Homi Bhabha Road, Pune, respectively. The main theme of International Biodiversity Day was "Building a shared future for all life". Inauguration of International Biodiversity Day was held in the presence of Hon. Dr. Nitin Raut, Minister of Energy and Guardian Minister, Nagpur. Basic information of the program, importance of International Biodiversity Day 2022, information on Biodiversity Act 2002 and the rules made there under given by Shri Praveen Srivastava, IFS Principal Chief Conservator of Forests and Member Secretary, Maharashtra State Biodiversity Board, Nagpur.

The dignitaries in the programs gave information about the indigenous and traditional varieties and their experiences about the implementation of BD Act, Rules, Constitution of BMC's and Documentation of PBRs and Arbitrary powers regarding collection and utilization of A.B.S.

#### **2. Celebration of World Nature Conservation Day-2022 Dt. 28/07/2022**

Maharashtra State Biodiversity Board in association with National Law University, Wathoda, Nagpur and Department of Social Forestry, Nagpur has organized the "National Conservation Day" in the premises of National Law University. It was decided to celebrate World Nature Conservation Day on 28/07/2022. 100 pits were dug in the premises of National Law University and trees were planted by students, professors, social Forestry Department, Publicity and Information Department, staff and officials of Maharashtra State Biodiversity Board and the Chief Guests. In the auditorium of the National Law University, the students, citizens, professors, staff officers were given an oath to preserve and conserve nature. Dr. Vijendra Kumar, Vice-Chancellor of National Law University, Mr. Ramesh Kumar Conservator of Social Forestry and Mr. Praveen Srivastava, Principal Chief Conservator of Forests and Member Secretary, Maharashtra State Biodiversity Board, Nagpur were present as chief guests.

### **Court Cases**

The Court matters during the period of 2022-23 are as below:

<b>Supreme Court</b>	<b>High Court</b>	<b>National Green Tribunal</b>	<b>JMFC/Others</b>	<b>Total</b>
05	08	08	0	21

### **Annual Report of MSBB**

The Annual Report of Maharashtra State Biodiversity Board for the period of 2019-20 & 2020-21 is prepared.

## H) DEPLOYMENT OF ICT PROJECT IN FOREST DEPARTMENT

In lieu of Maharashtra e-Governance policy-2011, the Maharashtra Forest Department had embarked on a program oriented deployment of Information and Communication Technology for improvement of forestry management since 2011-12. The ICT program is led by the APCCF (ITP) and the department has established a Project Management Unit Committee (PMUC) to oversee implementation of ICT as mention in GR dated 04.08.2014. The department has established a state of art infrastructure framework throughout State. Networking of requisite strength has been established through out the state to superwise and monitor the project and independent IT cell has been established with updated IT tools. Skilled & experience man power has been deployed in IT cell & circle offices. Command control room GIS/MIS platform and call centers are some of additional feature created under ICT project

An intranet portal with a suite of IT applications covering different areas of forestry management. The significant forestry application rolled out and objectives along with activities involved 2022-23 are as follows:

Sr. No.	Name of Application	Objective
1	Plantation Monitoring System	Monitoring of Plantation Sites
2	Wage Bill Monitoring System	To Monitor wage bill voucher online
3	Online Safari Booking System	Single platform for booking in all NP, Sancturaries and Tiger Reseves
4	e-Transit Pass System	Online issuing of Transit Pass (Malki tp module/ICD tp Module/Border tp Module)
5	e-Auction Portal	Auctioning of Timber (Teakwood and Bamboo)
6	WL Compensation System	Monitoring of Wildlife compensation for Human, Cattle, Crop Damage
7	RTS Application Monitoring (13 Application)	Monitoring number of applications and its status for 13 RTS services
8	Sawmill Management System	Monitoring Registration, Renewal of Sawmills, Transfer of Sawmill
9	Tendu Management System	Monitoring of Unit proposed, unit sold, target bags of sold unit, collected bags, charges paid for Tendu
10	State Plan Scheme Monitoring System	Management of State Plan Schemes
11	Sapling Sold System	Monitoring year wise and Scheme wise sold saplings
12	Nursery Management Information System	Monitoring of Nurseries and Seedlings
13	Malki Tree felling System	Monitoring of Felling of Trees by Malki
14	Fire Monitoring System	Monitoring of Fire incidents across the State
15	Offense Management System	Monitoring of Offenses like illicit cutting of trees, Forest Fire, Illegal grazing, Encroachment, Wildlife offense, illegal transport etc.
16	Wild Animal Rescue Management System	Monitoring of Rescue Management of Wildlife Animals
17	Assembly Questions System	Monitoring of Assembly Questions on yearly basis
18	Assurance System	Monitoring of Assurances on yearly basis

Sr. No.	Name of Application	Objective
19	Private Land Information System	Monitoring and Validation of Private Land inside Forest Land
20	Land Management System	Monitoring of RF, PF Land
21	Departmental Enquiry System	Monitoring of Departmental Enquiry
22	Personnel Information (Sub Cadre) System	Monitoring of personal details of employees
23	Court Case Management System	State wide monitoring of court cases
24	FCA System	Monitoring of FCA Proposals
25	Statistical Information System	Updating of information of AAR Forms
26	Coupe Management System	Monitoring of Felling and Transporting of Timber
27	Punarvasan Application	Rehabilitation of Forest Villages
28	JFMC/VEDC Monitoring System	Monitoring of JFMC/ VEDC committees
29	Atal Bamboo Samruddhi Scheme Application	Application received form farmers, process and disposed
30	National Bamboo Mission Application	Application received form farmers, process and disposed
31	Green Army Portal	Development, Management of the green army website for registration of Green Army member and registration of non forestry plantation sites
32	Revelo Assesment Management System	To superwise and monitor assets

Amongst above application unique salient features and utility of some applications is as follows

#### **RTS Application**

Government has enacted Maharashtra Right to Service Act-2015 to provide basic requisite services to its citizens. Forest Department has notified 13 services for the Public. All the services were made online available. Activities undertaken with regards to RTS application in April 2022 to March 23 are as follows

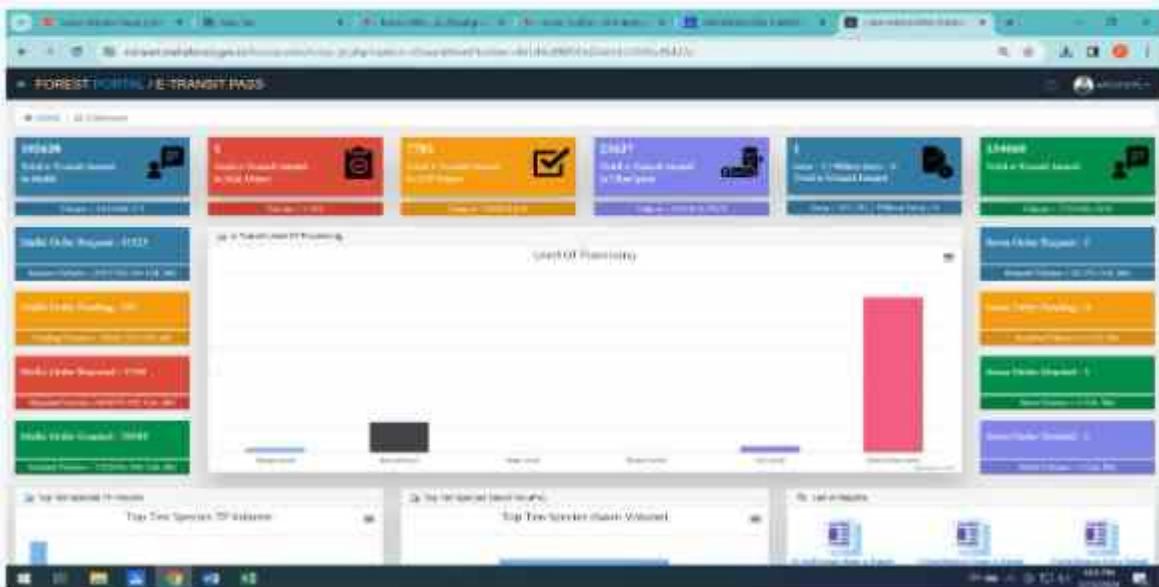
Sr No.	Name of Service	No. of applications Received	No. of applications Disposed off	No. of applications Pending
1	Registration of Tendu Traders / Manufacturers	363	231	1
2	Registration of Burad Community for supply of Bamboo	141	45	2
3	Compensation to be sanctioned for Cattle kill Caused by wildlife	9349	119	2226
4	Financial Assistance to be sanctioned for human death or disability caused by wildlife	754	5	133
5	Compensation to be sanctioned for Crop Damage caused by wildlife	64681	199	16036
6	Permission for photography in Protected Area during tourist season(Circle Level) )	4	2	2
7	Permission for photography in Protected Area during tourist season (More than one Circle) )	0	0	0
8	Renewal of Sawmill license	103	62	10
9	Permission to fell trees in Non-urban Area by Non-tribal applicant	10543	5106	333

Sr. No.	Name of Service	No. of applications Received	No. of applications Disposed off	No. of applications Pending
10	Permission to fell trees in Non-urban Area by occupants belonging to Scheduled Tribe	714	307	41
11	Registration for Industrial Transit Pass	0	0	0
12	Application for Certifying Non-Forest Land	1140	341	245
13	Application for Certifying Boundary of A Land from Forest	109	29	17
<b>Total</b>		<b>87901</b>	<b>6446</b>	<b>19046</b>

### E - Transit Pass MIS Application

Transport permits for Timber and Forest produce is issued as per provisions of Indian Forest Act, 1927. The MIS application was launched by the Hon'ble Chief Minister of Maharashtra on 04th December 2020 and is currently being used all over Maharashtra. From 1 December, 2022 Inter State Border e-Transit Pass and ICD depot TP module has also been rolled out. Online payment facility by SBI e-pay has been activated for users.

MFD is also developing the Mobile GIS application MAHAVAN which has sub module for e-TP, with the help of MRSAC, to speed up the process of issuance of Transit Passes, as well as to bring in better transparency in the process. E-Transit pass is visualized as a module to upload geo-tagged photo of Truck after loading of Timber, photo of the area where trees are felled, etc. Documents prepared at the site are scanned and uploaded for speedy issuance of e-Transit Pass. In case internet connectivity is not available at the site, the data needs to be stored in the device and once the device comes within area of connectivity, the information will be transferred to the geo-portal and MIS application of e-TP.



### Call Centre

In order to help and assist citizens in the state, Maharashtra Forest Department has activated Toll free Call Centre facility on No "1926" with the name of "Hello Forest" from 2017 and working successfully. Citizens can seek information on various emergency and general services provided by Forest Department to the public and also make query or render feedback. In 2022-23 response from public and action undertaken is given below

Month	Answered Calls		Dropped Calls
	Emergency	Non Emergency	
April'2022	262	2046	614
May'2022	259	2091	272
June'2022	172	1323	147
July'2022	103	1034	169
August'2022	227	2045	304
September'2022	183	1688	359
October'2022	209	1623	94
November'2022	223	1505	87
December'2022	177	1642	93
January'2023	250	2145	121
February'2023	0	0	0
March'2023	368	2682	156
<b>Total calls for 2022-23</b>	<b>2433</b>	<b>19824</b>	<b>2406</b>

### Geo referencing of Forest boundaries

Hon'ble Supreme Court of India, in Lafarge case, passed an order on the 6th July 2011, (IA Nos. 1868, 2091, 2225-2227, 2380, 2568 and 2937) in WP (C) number 202 of 1995, and directed for the Creation and regular updating of a GIS based decision support database. In this context, the Geo referencing of Forest boundaries of Kondhali range in Nagpur Circle is completed successfully. Compartment boundaries are the smallest unit in forest management and they coincide with Bandobast cadastral boundaries of Revenue Maps. While geo- referencing the forest management boundaries, Protected Forests have been geo-referenced with the village cadastral Bandobast boundaries of base survey map that is "Bandobast Map". The Village boundaries of Bandobast maps and external Boundaries of Reserved Forest which are shown on the Topo Maps are matching with each other so the Reserved Forest boundaries were also georeferenced with Bandobast maps. The Zudpi jungle was notified as per village map and village Map village boundaries are exactly matching with village boundaries of Bandobast Map. MFD has also proposed for geo referencing of the Forest Boundaries in the 06 Districts of the state namely Nagpur, Amravati, Nashik, Pune, Raigad, and Ch. Sambhajinagar.

### MoU with MRSAC

The Maharashtra Remote Sensing Application Centre (MRSAC) and MFD have abiding interest in the Conservation, Protection of Forest, the scientific understanding of various issues related to forest monitoring, MRSAC and MFD have planned a collaborative programme for monitoring and management of forest resource of Maharashtra using the latest technology of Remote Sensing, GIS, GPS and Web service.

To develop Forest GIS infrastructure and application, MFD had requested to work mutually on this aspect and had signed a Memorandum of Understanding with MRSAC on 23rd of December 2014 for period of three years valid till 22nd December 2017. Another MoU was signed on 6th January 2018 which was extended for a further term of 2 years till December 2020 and post expiry, third Agreement was signed on 25th August 2022 for next three years. On completion of the period the same will be renew as per requirement.

## **GIS Work carried out by the GIS Cell**

Development of 05 geo-spatial modules

- Forest Cover Change Analysis
- Coupe Treatment Map
- Forest Fire burnt area assessment
- Plantation site Suitability
- Encroachment detection and analysis.

### **1. Forest Cover Change Analysis:**

In this Geo spatial Module, Forest Cover changes occurs in the forest area are identified by using Sentinel-2 High resolution Satellite imagery having 10 meter resolution. The Compartment wise, Beat wise, Round wise, Range wise, Division wise and Circle wise information of forest cover change is made available as decision support system to the Forest officers and field staff on MFD Geo-portal.

### **2. Plantation site suitability:**

In this Geo-spatial Module, the site suitable for plantation is suggested to field staff by using the Soil layer, Slope layer, previous year plantations on geo spatial layers. Geo spatial module of plantation site suitability work on the criteria like firstly deducting the previous years plantation sites and area more than 25 degree slope, in the area where soil depth is 25 cm to 50 cm, 50 cm to 100 cm and more than 100 cm available and area of forest density less than 0.4 was suggested for suitable for plantations. The Compartment wise, Beat wise, Round wise, Range wise, Division wise and Circle wise information of suitable plantation site is made available as decision support system to the Forest officers and field staff on MFD Geoportal.

### **3. Coupe Treatment Map:**

In this Geo spatial Module, Geo spatial layer of Drainage, Drainage buffer, Forest cover, Slope area and Coupe boundaries is used and as a result, Coupe treatment map including area statement of coupe classification A,B,C,D is generated for the field staff. The Compartment wise, Beat wise, Round wise, Range wise, Division wise and Circle wise information of Coupe treatment map is made available as decision support system to the Forest officers and field staff on MFD Geoportal.

### **4. Forest Fire Burnt Area Assessment:**

In this Geo spatial Module, area burnt after fire occurred in the forest area are identified by using Sentinel-2 High resolution Satellite imagery having 10 meter resolution. The above geospatial information is useful to identify the most fire prone areas and in the upcoming fire season. The field staff can plan for the preventive measures for the fire. The Compartment wise, Beat wise, Round wise, Range wise, Division wise and Circle wise information of forest fire burnt area assessment is made available as decision support system to the Forest officers and field staff on MFD Geoportal.

### **5. Encroachment Detection and Analysis:**

In this Geo spatial Module, the encroachment in the forest area is identified by using High resolution Satellite imagery having 0.8 meter resolution. This module requires the periodic High resolution Satellite imagery for detection and monitoring of encroachment in the forest area. The Compartment wise, Beat wise, Round wise, Range wise, Division wise and Circle wise information of encroachment detection and analysis is made available as decision support system to the Forest officers and field staff on MFD Geoportal.

## 1) ZOO AUTHORITY

The Zoo Authority of Maharashtra, Nagpur (ZAM) was created vide Government of Maharashtra, Revenue and Forest Department's Resolution No. WLP 0515/ C.N.150/F-1 dated 30.12.2015 working under overall control of the Principal Chief Conservator of Forest (Wildlife), Maharashtra State, Nagpur and Chief Wildlife Warden of Maharashtra. It is headed by the Member Secretary of the cadre of Chief Conservator of Forests. The creation of The Zoo Authority of Maharashtra is in the form of society registered under Society Registration Act, 1860. It is also registered as Public Trust under Mumbai Public Trust Act, 1950.

To make policy decisions of the Maharashtra State Zoo Authority, under the Chairmanship of the Minister (Forests), Maharashtra State, 15 members Governing Council has been formed and in order to execute the rules set by the Governing Council, Also 8 members Executive Council is formed under the Chairmanship of Principal Chief Conservator of Forests (Wildlife) Maharashtra State, Nagpur vide Govt of Maharashtra, Revenue & Forest Department G.R. No. WLP 05.15/CN.150/F-1 Dated 28 January, 2016. Chief Conservator of Forests and Member Secretary is the Member Secretary of both the Governing Council and Executive Committee. There is a provision to carry out functions of Maharashtra State Zoo Authority through CCF & MS.

### Objective

Creation of The Zoo Authority of Maharashtra is for taking necessary steps to perform works given as under:-

- Development of zoos in the state, their control, regulation and up-gradation.
- To take decision about animal species and numbers to be housed in zoos.
- Giving technical advice.
- To frame criterion and also to monitor for ensuring availability of animals in zoos (by way of transfer or exchange from zoos outside the state).
- Provide technical help to prepare master plan for management of zoos and to monitor its implementation.
- Conservation of endangered wild animal species.
- To undertake research projects and their monitoring.
- To disseminate information about zoos to people and to take measures to spread compassion towards wild animal.

As the Chief Wildlife Warden of the State is burdened with various issues related to wildlife management including sensitive issues like Man-animal conflict, it is very difficult for him to pay proper attention to issues related to Zoos operated by various agencies other than Forest Department, the State Government created the Zoo Authority of Maharashtra to control and monitor Zoos in the State. List of the Zoos, Rescue Centres in the State of Maharashtra is given at the end of this note.

### Limitations

The Zoo Authority of Maharashtra is neither vested with any statutory powers under the Wildlife (Protection) Act, 1972, nor it has any financial control over the zoos. As Central Zoo Authority, New Delhi constituted by the Central Government has absolute powers under the Wildlife (Protection) Act, 1972 to exercise the powers conferred to it including recognition, suspension or cancellation of recognitions of zoos as well as shilling of animals to other zoos, the Zoo Authority of Maharashtra has no role to play. However, in pursuance of objective of The Zoo Authority of Maharashtra, since its inception in the year 2016, The Zoo Authority of Maharashtra had endeavoured to achieve objectives set even within the limited financial and administrative power vested with it.

The steps taken to achieve objective by The Zoo Authority of Maharashtra include:

- Inspection of zoos, in addition to inspection by Central Zoo Authority with respect to captive animal management, veterinary care, visitors facility etc. in accordance to rules and guidelines by Central Zoo Authority.
- Providing technical advice to zoos regarding management, development and progress of zoos.
- Ensuring passage and proper understanding of instructions from Central Zoo Authority to the zoos and monitoring of their implementation.
- Facilitating approval for exchange and transfer of animals from Central Zoo Authority even from zoos outside the state through Chief Wildlife Warden, Maharashtra State.
- Printing and distribution of publications including booklets, folders, publicity through hoardings and banners etc. amongst people to make them aware about the objective of zoos and compassion towards animals.
- Taking steps to ensure proper understanding of statutory provisions and guidelines related to zoo management and its proper implementation within zoo managers.
- Technical scrutiny of master plan and master layout plan and forwarding them to Central Zoo Authority as well as monitoring of their implementation.
- Ensuring understanding regarding various aspects about management of zoos and also creation of synergies amongst stakeholders like forest officers, zoo directors, veterinary officers, biologists, officials of municipal corporations, NGO etc. through organization of workshops, conducting exposure tours to other zoos including zoos outside the state.
- Steps have been initiated to allot grants to the zoos and rescue centres from state funds aimed at bridging gap of funds for the compliance of directives given by CZA in its evaluation report.

### Budgeting

Presently, the Zoo Authority of Maharashtra receives grants under the budget distribution system (BEAMS) from APCCF (BPD) under various detailed heads. The same is being utilised by the office of Zoo Authority of Maharashtra. In the current year annual 2022-23 demand of about Rs. 180.85 lakh for zoo and rescue centre has been submitted for government approval. Out of which due to Covid-19, outlay of only 150.00 lakh is approved.

### INFORMATION ABOUT ZOOS AND RESCUE CENTRES IN MAHARASHTRA

Sr. No.	Zoo Name / Rescue Center	Zoo Location	Operator	Status	Status (Recognized /Cancelled)	Area (Ha) of the Zoo
1	Sanjay Gandhi National Park and Zoo	Borivali	State Government (Forest Department)	Small Zoo	22nd March 2020	110
2	Veeramata Jijabai Bhosale Udyan & Zoo	Bycalla, Mumbai	Greater Mumbai Municipal Corporation, Mumbai	Medium Zoo	22nd March 2020	21.4483 (approx.)
3	Rajiv Gandhi Zoological Park And Wildlife Research Center	Katraj, Pune	Pune Municipal Corporation, Pune	Medium Zoo	5th May, 2018. Evaluation report dated 09.11.2018.	52.6091

Sr. No.	Zoo Name / Rescue Center	Zoo Location	Operator	Status	Status (Recognized /Cancelled)	Area (Ha) of the Zoo
4	Nisargakavi Bahinabai Chaudhary	Pimpri Chinchwad, Pune	Pimpri Chinchwad Municipal Corporation, Pune	Small zoo	5th May, 2018	2.85
5	Sidharth Garden and Zoo,	Ch.Sambhaji nagar	Municipal Corporation, Ch.Sambhajinagar	Small zoo	MoEF order dt.19.02.2019 on appeal against CZA order dt. 28.11.2018- granted 1 year time to comply CZA conditions.	85.00
6	Mahatma Gandhi Udyan Zoo	Solapur	Municipal Corporation, Solapur	Small Zoo	MoEF order dt. 18.07.2019 appeal against CZA order dt. 28.11.2018 disposed off with directives	22.41
7	Maharajbagh Zoo	Nagpur	Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	Small Zoo	MoEF order dt. 18.07.2019 on appeal against CZA order dt. 29.11.2018 - set aside with directives	10.3
8	Maharaja Shahaji Chhatrapati Zoo	Kolhapur	Maharaja Shahaji Chhatrapati Trust, Kolhapur	Mini Zoo	24th Sep. 2018	13.00
9	Snake Park	Dolgarwadi, Kolhapur	Shetakari Shikshan Mandal, Kolhapur	Mini Zoo	MoEF order dt. 18.07.2019 on appeal against CZA order dt. 29.11.2018 - compliance on directives 1 year	1.89
10	Balasaheb Thackeray Gorewada International Zoological Park	Gorewada	FDCM	Mini Zoo	From July-2019 to 3 years	564 Hec.

Sr. No.	Zoo Name / Rescue Center	Zoo Location	Operator	Status	Status (Recognized /Cancelled)	Area (Ha) of the Zoo
11	Rescue Centre at Gorewada	Nagpur	Forest Development Corporation of Maharashtra Ltd	Rescue Centre	upto 22.03.2019 Evaluation report dated 25.04.2018.	
12	People For Animal Shelter House	Wardha	People For Animal, Wardha	Rescue Centre	-	2.00
13	Leopard Rescue Center	Manikdoh	Forest Department Junner through SOS	Rescue Centre	renewal of recognition beyond 27.09.2019 subjected to compliance of directives.	4.05
14	Amte's Animal Ark	Gadchiroli	Maharogi Sewa Samiti, Warora, Dist. Chandrapur	Rescue Centre	Master plan submitted to CZA.	2.00

## J) ECOTOURISM BOARD

Maharashtra State notified its Ecotourism Policy in 2008 with following objectives

- Nature Conservation by adopting low impact tourism
- Engaging local communities with a view to provide livelihood options and promoting the local traditional culture.
- Providing nature education to create awareness among the public.
- Providing best possible services to the visitors by enriching their experience with nature.

To fulfill the above objectives Maharashtra Ecotourism Development Board was established in December 2015. Ecotourism destinations have been identified throughout the State. Expert Committee / Executive Committee of the Board have approved around 213 project proposals since 2012. The sanctioned budget and expenditure incurred in developing these 127 ecotourism projects till the Financial Year 2022-23 is shown in the table below:

Financial Year	Grants Sanctioned (in Lakhs)	Expenditure (in Lakhs)
2012-13	816.83	604.42
2013-14	768.10	613.42
2014-15	1600.00	1389.74
2015-16	10000.00	9005.03
2016-17	4678.83	4564.70
2017-18	8000.00	7204.22
2018-19	8400.00	5888.47
2019-20	3400.00	2558.63
2020-21	5000.00	1889.24
2021-22	2876.08	2099.91
2022-23	13000.00	8840.63

During the FY 2023-24, a budget outlay of Rs. 10000.00 Lakh was sanctioned under the budget head 24062295. Accordingly the project proposals are being submitted to the Government of Maharashtra.

Information regarding the footfall and revenue realized from the prominent Ecotourism destinations is given in the following table

Year	Visitors Footfall	Revenue (in rupees)
2017-18	1796809	193419540
2018-19	2116072	216736239
2019-20	1956569	223219804
2020-21	528044	65434373
2021-22	825096	162361993
2022-23	1718808	276043056

In order to cater the technical inputs to the Field Officers, Architect firms have been selected for empanelment through e-tender process and the submitted to the state Government for approval.

The Board has appointed M/s Grassroots Research and Consultancy, Mumbai, for a feasibility study on potential Ecotourism destinations in the State with a broad view of preparing a Vision document which will help in developing the ecotourism destination in a priority basis. The consultant has submitted the Vision document and Executive committee of the board has accorded approval to the same.

### **Way forward**

- The concept of Ecotourism and its perspective has undergone considerable changes since 2008. In view of this new draft Maharashtra Ecotourism Policy has been submitted to the Government of Maharashtra for its approval.
- Ecotourism destinations have been selected for preparation of perspective plan.
- A website for Maharashtra Ecotourism Development Board is under progress with the help of NIC.
- - Board has prepared guidelines for the development of the ecotourism sites in the state which has been approved by the Ex-committee of the Board. These guidelines have been circulated to all controlling officers.

## **K) MAHARASHTRA BAMBOO DEVELOPMENT BOARD**

The main purpose of National Bamboo Mission is to have growth in production of bamboos, to solve the problems in marketing, to provide relaxations to the industrialists running bamboo based traditional and modern industries, to have remarkable growth in production and productivity of bamboos in the forests, to have plantation of standard bamboo species in bamboo plantation in the forests, to have development of bamboo areas on government/private lands outside the forest areas, to have growth in production of value added items of bamboos, to provide training to desirous persons producing value added items, to make available the bamboo plants of good species and high standard to the people at reasonable rate, to have the bamboos available having treated essential for value added industries, to have proper marketing of value added items prepared at rural level. The government have thoughtfully taken steps in this regard and has declared new Bamboo Policy as per Government Resolution dated 4-12-2014. With a view to have thorough development of bamboo areas and for paying special attention to it, an independent autonomous institution Maharashtra Bamboo Development Board was created vide Government Resolution dated 06/08/2016. The Maharashtra Bamboo Development Board was registered under Societies Act 1860 vide registration No. mah-531/17 (NAG) Dated 09/06/2017 by Charity Commissioner, Nagpur. Government of India also removed the permission to fell Bamboo by shifting the bamboo from timber category to grass category vide Government of India Notification No. extraordinary part 2 sections 1 No.5 dated - 8 Jan, 2018.

### **Aims & Objectives**

- To implement the Bamboo policy effectively as a promotional agency in the bamboo field.
- To present proposals to the Government for proper execution of policy, plans and functioning relating to Bamboo.
- To strengthen the mutually beneficial relations between all concerned to increase bamboo production and expansion of bamboo industry.
- To achieve the main purpose of National Bamboo Mission, To generate grants/aids for the work of State Government / Central Government and other related Societies.
- To give encouragement for notable enhancement in quality and production of bamboo produced in the State.
- To suggest plans to encourage entrepreneurs for bamboo based traditional as well as modern industries.
- To encourage quality bamboo plantation on private basis in forests to increase quality and quantity of bamboo in the State.
- To make available treated bamboo for value enhancement industries, to train the people for value enhanced production, to increase the production of value enhanced bamboo products and to establish the machinery for proper marketing such products in rural areas.
- To make available good and useful high quality plants of bamboo in reasonable rates to the people.
- To organize Seminars, Exhibitions, Industrial Fairs, Work-shops for bamboo and to participate in such programmes organized by others.
- To train the bamboo workers at Bamboo Research and Training Center, Chichpalli, Dist. Chandrapur and to increase employment opportunities in collaboration with the entrepreneurs.
- To participate in International Training Programmes / Workshops/ Study Tours etc. collaboration with private companies, Non-Government organization and State Government working in the field of bamboo.

- To send proposals to the State for establishing companies to encourage bamboo industry in
- To take all necessary actions to develop the bamboo based industries operating in forest areas buffer zones of the State, such as Gadchiroli Agarbatti Project.
- To acquire any movable/immovable property, purchase it, to acquire on rent, exchange or build, to fulfil the aims of the Bamboo Board.
- To generate Repairs funds, Sinking funds, Insurance for repair, replacement, renovation of the Society's property as per the provisions of the rules and regulations of the society.
- To collaborate, acquire, help and merge with any organization whose aims are partly or fully similar to the aims of this society with prior permission of the State Government.

### Nursery & Plantation

Maharashtra Bamboo selected 8 bamboo species for commercial cultivation in Maharashtra. These bamboo species were chosen from 17 species recommended by National Bamboo Mission. The species chosen are,

S.No	Species Name (local name)
1	<i>Dendrocalamus strictus</i> (Manvel)
2	<i>Oxytenanthera/Dendrocalamus stocksii</i> (Manga)
3	<i>Bambusa Bambos</i> (Katang)
4	<i>Bambusa balcooa</i> (Balcooa)
5	<i>Dendrocalamus brandisii</i> (Brandisii)
6	<i>Bambusa nutans</i> (Nutans)
7	<i>Dendrocalamus asper</i> (Asper)
8	<i>Bambusa tulada</i> (Tulda)

### YEAR-WISE DISTRIBUTION OF PLANTS BY MAHARASHTRA BAMBOO DEVELOPMENT BOARD, NAGPUR

Year	Atal Bamboo Samruddhi Yojna			National Bamboo Mission		
	Beneficiaries	Total area (Ha)	Plants distributed	Beneficiaries	Total area (Ha)	Plants distributed
2019-20	-	-	-	3557	3315	1468285
2020-21	695	485.84	291507	1653	2066	848145
2021-22	348	261	156144	-	-	-
2022-23	1303	1044	627325	-	-	-
<b>Total</b>	<b>2346</b>	<b>1790</b>	<b>1074976</b>	<b>5210</b>	<b>5381</b>	<b>2316430</b>

As per the requirement of the farmers who applied for plantation of bamboo on their field, these seedlings will be supplied to local nurseries of the department or social forest and from these nurseries the seedlings are distributed to the farmers.

Tender for supply of bamboo tissue culture seedlings to farmers in the year 2023-24 with minimum rate invited through e-tendering has been approved by Hon'ble Principal Chief Conservator of Forests (HoFF), MS, Nagpur. The sanctioned rate is as follows

**CIRCLE-WISE RATES OF TISSUE CULTURE PLANTS AND SUPPLIER**

(Rate/plant in Rs.)

Name of the Species	Name of the Supplier	Amravati	Ch. Sambhajinagar	Chandrapur	Dhule	Gadchiroli	Kolhapur	Nagpur	Nashik	Pune	Yavatmal	Thane
<i>Bambusa balcooa</i>	Seema Biotech	18	17	18	17	18	16	18	17	17	18	17
<i>Dendrocalamus brandisii</i>	Ishved Biotech	23	23	24	23	24	24	24	23	24	23	24
<i>Bambusa nutans</i>	Growmore Biotech	35	35	35	35	35	35	35	35	35	35	35
<i>Dendrocalamus asper</i>	Seema Biotech	18	17	18	17	18	16	18	17	17	18	17
<i>Bambusa tulda</i>	Ishved Biotech	30	30	31	30	31	31	31	30	31	30	31
<i>Dendrocalamus strictus</i>	Growmore Biotech	31	31	31	31	31	31	31	31	31	31	31
<i>Oxytenanthra stocksii</i>	Growmore Biotech	45	45	45	45	45	45	45	45	45	45	45

In the year 2022-23 & 2023-24 under the Atal Bamboo Samruddhi Yojana, applications have been invited from the farmers through online for plantation of bamboo tissue culture. According to the applications received, bamboo tissue culture plants are being distributed to the farmers as per their demand according to the species.

### **CIRCLE WISE BAMBOO AREA AND ACTUAL AREA OBSERVED USING REMOTE SENSING AND GIS TECHNOLOGY**

<b>Sr. No.</b>	<b>Circle</b>	<b>BOW Area (As per Working Plan) (Ha)</b>	<b>Actual Bamboo Area (Ha)</b>
1	Nagpur	79126.03	38679.00
2	Amravati	0.00	3737.00
3	Chandrapur	46412.84	37280.00
4	Yavatmal	0.00	797.00
5	Gadchiroli	492628.95	307735.00
6	Dhule	14697.98	6539.00
7	Ch. Sambhajinagar	0.00	560.00
8	Nashik	0.00	4160.00
9	Pune	0.00	1413.00
10	Kolhapur	0.00	1858.00
11	Thane	0.00	2059.00
	<b>G. Total</b>	<b>632865.80</b>	<b>404817.00</b>

### **AGARBATTI INDUSTRY**

Agarbatti requirement of Maharashtra state is about 40,000 metric tons. Under the guidance of National Bamboo Mission (NBM), Maharashtra Bamboo Development Board (MBDB) started agarbatti making activity. Presently Agarbatti is made in two districts in Maharashtra. In Gadchiroli, a tribal and aspirational district and Chandrapur district. Cycle Pure Agarbatti and ITC are partners to MBDB providing technical guidance, procurement the raw material and also marketing the agarbatti.

- Gadchiroli Agarbatti Project (GAP) is an initiative of Gadchiroli District Administration and Forest Department, through Agarbatti making to provide sustainable solution to the most acute problem, employment of the district using the natural raw material which is available in abundance in the district.
- Gadchiroli District has Left-wing violence, has discouraged private investments in the region. At the same time, given that 76 per cent of the district is covered by forests, opportunities to make a living from agriculture are quite limited and prone to the vagaries of rainfall.
- GAPs primary objective is to train and employ rural men and women of the district in raw Agarbatti production and its related activities which shall in turn be sold to traders/ companies involved in incense stick trading/production.

- At Chamorshi cluster 25 automatic machines have been inducted, during severe pandemic situation due to COVID. These women covered under the project were provided on the job training and in total 24 tons of raw agarbatti were produced by these women in May 2020. The net revenue generated in May 2020 was around Rs.17 lakh and around Rs.330,000 were disbursed as wages to these women.
- The project is being implemented through 40 such Agarbatti production centres spread across the district engaging around 800 women in the production activity.
- Even during COVID crises GAP produced 150 tons of Agarbatti in April and May 2020 and distributed around Rs.30 lakh as wages in Gadchiroli.
- Apart from Machine made raw agarbatti production, the recent addition to GAP is Hand Rolled Agarbattis which are sold to Cycle Agarbatti, Mysore.
- The 300 old women were provided on the job training and they produced around 4500 kilos of hand rolled Agarbatti generating revenue of Rs.324000 and wage disbursement of Rs.153000/-.
- As Hand rolling Agarbatti is a manual activity, the women will pick up practice and speed in the following months and earn around Rs.3000 per month as wages.

### Oxygen Park

Maharashtra Bamboo Development Board has established a bamboo oxygen park in Seminary Hills at Nagpur MS. The Bamboo is recognised as green gold of 21st Century. Bamboo is fast growing, evergreen & long lived grass. It releases 35% more oxygen into atmosphere. It is said that a Bamboo plant releases 320 kg of oxygen per year. Human being requires 280 kg of oxygen per year. It means that bamboo releases 40 kg more oxygen than the requirement of a man. Therefore the park has been called as Oxygen Park. In the big cities like Nagpur Atmospheric pollution is a big problem. The bamboo Oxygen Park arrests the pollution and acts like lungs of the city. The project was started in 2018 by planting 1271 plants of 49 different species of Bamboo. The important being Guadua, Tulda, Giganteus, Dulloo and Ornamental bamboo like Black bamboo, Yellow bamboo, Buddha bamboo are also seen here. This Oxygen Park is useful for bamboo lovers, farmers & scientists for study, growth, uses & characteristics of bamboo.

### CAPITAL INVESTMENT SUBSIDY SCHEME UNDER NATIONAL BAMBOO MISSION

National Bamboo mission assists the entrepreneurs for establishing the bamboo trade in different aspects like furniture, handicraft, waste management, nurseries,				
MBDB has sanctioned following projects in the year 2019-20 as below				
SN	Name of the entrepreneur	Details of Project (Subcomponents under para-6 of guidelines)	Project cost (As per project report Rs. Lakhs)	Admissible subsidy Amount in lakhs
1	2	3	4	5
1	Kiran Anna Saheb Patil, at Takali Khandeshwari, Tal Karjat, Dist Ahmadnagar	(Product Development & Processing) Establishment of Processing units for value addition of Bamboo	35.31	15.00

SN	Name of the entrepreneur	Details of Project (Subcomponents under para-6 of guidelines)	Project cost (As per project report Rs. Lakhs)	Admissible subsidy
				Amount in lakhs
1	2	3	4	5
2	Arunoday agro Farmer Producer Compnay Ltd., at Takali Khandeshwari, Tal Karjat, Dist Ahmadnagar	(Product Development & Processing) Bamboo Incense sticks Making	25.98	12.50
3	Babasaheb Dashrath Nangal, at Japharabad, post Naur Tal. Shirampur Dist Ahmednagar	(Product Development & Processing) Bamboo Incense sticks Making	25.98	12.50
4	Ramnath Damodhar Chaudhari, Kolhar-Ghoti Road, Sangamner Road, Beside Pravara Agromobile, A/p Akole, Dist Ahmednagar	(Propagation & Cultivation) Bamboo Nursery Small (0.50ha)	10.58	5.00
5	Maratha Vidya Prasarak Samaj's, Udoji Maratha Boarding Campus, Gangapur Road, Nashik	Establishment & Processing units for Value addition of Bamboo	34.9	15.00
6	Sai Bahu uddeshiya Santha, Mokh, at. Post. Mokh, tal-Digras, Dist Yavamal	Establishment & Processing units for Value addition of Bamboo	32.12	15.00
7	Shri Pankaj Bandusingh Ade, At-Post, Mokh, Tal Digras, Dist Yavatmal.	(Product Development & Processing) Bamboo Incense sticks Making	30.57	12.50
8	Manish T. Rathod, At Post Varandali, Tal Digras, Dist Yavatmal.	(Propagation & Cultivation) Bamboo Nursery Small (0.50ha)	10.71	5.00
		Total	206.15	92.50

MBDB has sanctioned following projects in the year 2020-21 as below

Sr. no.	Name of the entrepreneur	Details of Project (Subcomponents under para-6 of guidelines)	Project cost (As per project report Rs. Lakhs)	Admissible subsidy
				Amount in lakhs
1	2	3	4	5
9	Shri Shivaji Lotansingh Rajput, Plot No. 16, Karvandnaka, Shirpur, Dist. Dhule	Management of Bamboo waste in primary processing units	25.00	12.50
10	Shri Anil Vasant Kothavade, Vadner Kha. Tal. Malegaon Dist. Nashik	Product development & processing Management of Bamboo waste in primary processing units	30.00	15.00

The mats weaving is a very big industry. Manual weaving of mats is unable to fulfill the demand in market for mats. The simple machine for strip making and sizing are supplied to buruds & burud societies for mat making. This will increase mat making & fulfill demand of the market. The Details are as below.

Sr.no.	Name of Division	Place	Manual Slicer Machine	Manual Long Slicer Machine
1	Deputy Conservator of Forest, Nagpur	Kasturba Gandhi Anusuchit Jati Burud Mahila Society Adyali	5	5
2	Dy CF. Nagpur	Shri Wasnik, Indorachouk, Nagpur	5	5
3	Dy CF. Chandrapur	President Ajay Bahu udeshiya Sanstha, Chandrapur	5	5
4	Dy CF. Thane	Director, Vivek rural Development center, Dist Palghar	5	5
5	Dy CF. Solapur	President Burud Samaj, Solapur	5	5
6	Dy CF. Ch. Sambhajinagar	Shri P.B. Bhalekar, Coordinator, Ch. Sambhajinagar	5	5
7	Dy CF. Nanded	CFC Narvat	5	5
8	Dy CF. Wadsa	Shri Kantilal Gajbhiye, CFC Wadsa	2	5

**Maharashtra Tourism Handloom & Handicraft Expo** - Maharashtra Bamboo Development Board had participated in the exhibition organized by SANSA Foundation at Phaltan (Maharashtra) from 18th to 20th January, 2022. The event served as a gateway exhibition for consolidating the market presence in the state of Maharashtra and forge linkages to promote business with other states as well. The event also gave a wide coverage in local and national media, thus providing extensive mileage to the participants.



**One Station One Product** - The Central Railway and South East Central Railway has shown interest in establishment of Bamboo products shop at Nagpur, Itwari, Gondia, Shegaon Railway Station. The initiative is taken under the scheme of One Station One Product scheme by Railway Department. Total 16 Stations were selected in India, out of which Bamboo based product is one of the product selected by Railway Board and that too Central Railway Nagpur.



**Bamboo Building Artisan Training** - A training in bamboo construction was organised by Maharashtra Bamboo Development Board for artisan in bamboo construction field for 10 days. Ms Sanjita Kapoor of Blue Planet from Kolkata was involved in guiding for construction. Architect Ganesh Harimkar & Vedant Amrutkar from MBDB also provided inputs in the work. 25 Artisan from various parts of Maharashtra participated in the said program for 10 days. They constructed bamboo structure in Japanese garden At Nagpur, Maharashtra.





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**Bamboo Handicraft Training** - A training in bamboo handicraft was organised by Maharashtra Bamboo Development Board for ITI college student.



**Adyali Project Report** - Kasturba Gandhi SC Burud Women Forest Craftsmen, Bamboo Plant Production Industrial Co-operative Society Limited Nagpur District is a registered co-operative society with about 150 members. All these members are from Scheduled Castes and their main livelihood is making various handicrafts from bamboo. This organization was established by Nagpur Forest Department under Collective Forest Act 2006, Gram Panchayat Vhirgaon, Survey no. 105, Mauje Adyali Ta. 0.99 area of Nagpur shrub forest is allotted for bamboo industry. It has entered into an agreement with the Maharashtra Bamboo Development Board to increase the business of making bamboo materials from this place.

**Bamboo Pellets** - The quantity of work generated in bamboo working is high. This waste can be used to make pellets which are of high calorific value of 4500 Calories per Kg. and the ash percentage is nearly 2%. The demonstration plant is established at Maharashtra Bamboo Development Board Office. Total cost of project is about Rs. 25 lakh/shed. The machines are available in Nagpur. The pellets are having high demand in thermal power stations, MIDC and steel industry etc.



**Mushroom Preparation** - The Mushroom can be prepared using bamboo dust as a substrate. The 2 days workshop was conducted for different entrepreneur for various part of Maharashtra at Nagpur.



**To promote the bamboo and handcrafts the following awareness programs/workshop/ exhibitions are conducted. The list is as given below -**

- December, 2022, Agro Vision- 2022 Agricultural Exhibition was held in Nagpur to create awareness among the people about bamboo cultivation and also to display various items made from bamboo. The response to this exhibition was overwhelming.
- Divisional Commissioner Smt. Prajakta Lavangere Verma visited the office of Maharashtra Bamboo Development Board. She had detailed discussions with the Managing Director and provided all possible assistance to the artisans in the field for their livelihood. The CEO (Zilla Parishad), PD DRDA and Block Development Officer also visited the Pellet Making plant, workshop bamboo demonstration plant etc.
- World Bamboo Day was organised on 18 September 2022 at Bapurao Dhanwate Auditorium, Nagpur. Also, under the guidance of Maharashtra Bamboo Development Board, guidance was given in 11 boards of Maharashtra regarding bamboo cultivation, bamboo industry and marketing, and various schemes of Bamboo Board were given information.
- Two bamboo clusters were created at Sakoli and Wardha under the SFURTHI scheme of the Central Government.
- Bamboo based industries were started under the National Bamboo Mission scheme.
- ITI College and Bamboo Mitra were trained in the preparation of bamboo materials.
- A bamboo pagoda was built at MaharajBagh, Nagpur.

## L. BAMBOO RESEARCH AND TRAINING CENTRE, CHICHPALLI

### Introduction-

Chandrapur district is located in the eastern edge of Maharashtra in Nagpur Revenue Division and forms the eastern part of 'Vidarbha' region. Physiographically, the district is situated in the Wainganga and Wardha river basin. The area has a wide and rich range of flora and fauna. Teak and Bamboo dominate southern deciduous forests, having about 41.98% of forest area when compared to total district area, large extent people are dependent upon the forest produce directly or indirectly. About 68.42% of the total population resides in rural area.

Chandrapur and its adjoining districts Gadchiroli, Bhandara, Nagpur & Gondia are rich in Bamboo Forest. *Dendrocalamus strictus* the most common species while *Bambusa arundinacea* (Katang) is commonly seen on the sides of nallas and on river banks Bamboo popularly is known as a poor man's timber. It is used by the Burad community to prepare bamboo articles while the local people use it mostly in construction of huts, houses, cattle sheds, fencing etc. Bamboo is also used in a number of industries such as Paper and Pulp, furniture, decorative articles, Ice cream, Agarbatti, etc.

Employment and Livelihood generated through conventional use of Bamboo is minimal and mostly seasonal. In view of this the Government of Maharashtra decided to enhance the skills of local Bamboo Artisans by providing latest technology & trades and thereby provide them better livelihood opportunities and to bring them in the main stream through economic development in the field of Bamboo by setting up an institute in this region.

### Establishment-

Maharashtra State Government through Government. Resolution bearing No.Esst-2014/SI.No-64/Part-2/F9/Mantralay, Mumbai Dt. 04-12-2014 formed "**Bamboo Research and Training Centre, Chichpalli** (BRTC), Dist. Chandrapur.MS. In order to have an Autonomous status to this institute. "BRTC Society" is registered under Society Act, 1860 & Bombay Public Trust Act 1950 bearing Society Regd. No.MAIL/210, Dt. 15.07.2015 and Trust Regd. No. F-13840 (Chandrapur) Dt. 20.08.2015.

### Infrastructure-

The full-fledged Institute is coming up at Chichpalli, about 22 Kms away from Chandrapur with uniquely designed Bamboo Structures at survey No.6/1 with area of 8.99 hectare. The Buildings of BRTC is made up of Bamboo and Rammed Earth with International Standards. Infrastructure of BRTC is recognized as Asia's largest Eco-friendly Bamboo building by international Singaporean magazine "**FUTURARC**" and also GRIHA recognized BRTC Infrastructure as Sustainable Building Materials/Technology and awarded GRIHA "**Exemplary Performance Award**" at 11th GRILIA Summit 2019.

The Infrastructure of BRTC consists of 14 units of Buildings which includes, Administrative Block, Exhibition Center, Four Academic Blocks (East, West, North, and South), Boys and Girls Hostels, Canteen, Staff Residential Quarters, Inside Roads, Over Head Tank and Protection Wall. All the building works are at near to completion.



### CONSTRUCTION DETAILS OF BRTC INFRASTRUCTURE

Sr.No	Name of Work	Estimated Cost (Lakhs)	Funds Received (Lakhs)	Funds Utilized (Lakhs)	Status
01	Construction of Protection Wall	232.13	232.13	223.13	Completed
02	Construction of Internal Roads	243.00	243.00	243.00	Completed
03	Construction of Type-I & Type-II quarters	146.00	146.00	146.00	Completed
04	Construction of Type-III	104.00	104.00	104.00	Completed
05	Construction of Type-IV & Type -VI quarters	125.00	125.00	125.00	Completed
06	Construction of Exhibition Center (Workshop Building)	194.22	194.22	194.22	Gutted in fire before completion of works.
07	Construction of Administrative Building	750.52	750.52	750.52	----"----
08	Construction of Academic Block (East)	776.65	776.65	670.43	Completed
09	Construction of Academic Block (West)	823.23	823.23	683.02	Work in Progress
10	Construction of Academic Block (North)	782.38	782.38	489.17	Completed
11	Construction of Academic Block (South)	802.09	802.09	637.56	Completed
12	Construction of Canteen	372.57	372.57	227.17	Completed
13	Construction of Girl's Hostel (G+2)	538.87	538.87	479.97	Completed
14	Construction of Boy's Hostel (G+2)	538.87	538.87	479.97	Completed
15	Construction of Entrance Gate	1059.90	1059.90	1059.90	Work in Progress
16	Construction of Over Head & Under Ground Tank, Garden	432.42	432.42	206.23	Completed
17	Landscaping	534.00	534.00	534.00	Completed
18	External Electrification	442.51	442.51	442.51	Completed
19	Electrification works ( Boy's Hostel, Girl's Hostel, Canteen, Control Room )	396.03	396.03	280.57	Work in Progress
20	Providing Augmentation of E.I.	100.02	100.02	0	Work in Progress
21	Alteration of educational building and construction of administrative building there.	330.00	130.15	0	Work in Progress
21	Purchase of Furniture	240.00	240.00	46.57	Work in Progress
	<b>Total</b>	<b>9964.41</b>	<b>9764.56</b>	<b>8022.94</b>	

Note - Expenditure Figures up to 30.09.2023.

## SANCTIONED POSTS FOR BRTC

Sr.No	Designation	No.of Sanctioned Posts	No.of Filled Posts	No.of Vacant Post
01	Director	1	0	1
02	Supervisor	1	0	1
03	Handicraft Supervisor	2	0	2
04	Forester	1	1	0
05	Accountant	1	1	0
06	Clerk	1	1	0
07	Forest Guard	1	1	0
08	Driver	1	1	0
09	Dekhibal Sewak (Class iv)	04	4	0
	<b>Total Post</b>	<b>13</b>	<b>09</b>	<b>04</b>

Note:- Estate Manager, Care Taker Posts are to be filled from Retired Forest officers on Contractual Basis.

### Functions of BRTC -

- To give Bamboo Value Addition Training to unemployed Women and Men.
- To help Self Help Groups Women to make Bamboo Articles for Self Employment.
- To Create Bamboo Engineers through "Diploma in Bamboo Technology" two years course affiliated with Maharashtra State Board of Technical Education (MSBTE) for the youth.
- To train Bamboo Artisans for making Bamboo Handicrafts with Latest Technology with Artistic Value. 5. To Establish Common Facility Centre for trained women and men for their self-employment opportunities.
- To guide Farmers to promote Bamboo Cultivation in their lands as support to their needs.
- To promote research on Bamboo by establishing "Bamboo Setum".
- To Establish Bamboo Art Centers' in various universities to promote Bamboo research for Value Addition.
- To make Forward and Backward Linkages to the products made by Bamboo Artisans.

### Training:-

Maharashtra State Government had decided to establish an autonomous institute " Bamboo Research & Training Centre, Chichpalli", to enhance the skills in the Bamboo Artisans, on priority basis and to promote Bamboo sector Development through Maharashtra Forest Department.

Initially BRTC had provided skill enhancement training to the 15 interested persons at Bamboo and Cane Development Institute (BCDI), Agartala, Tripura for 45 days in March 2015. In training they were trained in Bamboo Basketry, Bamboo Furniture and Bamboo Turning Trades. In this training they learn about Bamboo Species, Bamboo Seasoning and Treatment and to make various bamboo articles like Bamboo Sofa Sets, Dust Bins, Baskets, Flower Vases, Trays, Chairs etc.,

After Successful Training of First Batch at BCDI, BRTC again sent a batch of 20 candidates for the same training for 45 days. Another batch of 12 candidates completed training at BCDI through BRTC in 2016. Total 47 candidates was trained at BCDI, Agartala. The Trained candidates from BCDI have started to give training to local Bamboo Artisans at BRTC, Chandrapur itself. BRTC started to give 45 days and 70 days Bamboo Skill Development Training Program for the desired candidates for their self-employment in the Bamboo Sector.

#### Selection Procedure for Training (70 days)-

Firstly BRTC gives Advertisement in Local News Paper about training program for demanding applications from desired candidates and thereafter Interview will be conducted for selection procedure of Training Program.

#### Criteria

- Basic experience & Knowledge in Bamboo Handicraft.
- Priority will be given to Burad Community people.
- Age 18-38 years.
- Education Qualification 10th pass and above.

#### Facility

- Free Boarding & Lodging
- Stipend Rs.100 per Day

Sr.No	Course	Training Period	Trainees			
			CFC Woman	Male	Female	Total
1	Furniture	70 Days	-	407	233	1730
2	Basketry	70 Days	70			
3	Turning	70 Days	-			
4	Handicraft	70 Days	1090			
5	Construction	90 Days	0	46	5	51
6	Farmer Training	3 Days	0	88	02	90
		<b>Total</b>	<b>1160</b>	<b>541</b>	<b>240</b>	<b>1871</b>

#### DIPLOMA in Bamboo Technology

BRTC has started 2 years "Diploma in Bamboo Technology" course in September 2017 affiliation with Maharashtra State Board of Technical Education (MSBTE) in order meet the Bamboo Industry needs in turns of Man power. Intake Capacity 20 and Course Fee: Rs.12.000/-

#### Criteria

- Minimum 10th Pass.
- Should Qualify in Skill Test and in Interview conducted by BRTC.
- Selection is based on SSC Marks and BRTC Tests in 60:40 ratios

Batch	Academic Year	Intake Capacity	Enrolled Students	Remark
First	2017-2019	20	14	Completed & 100% Placed
Second	2018-2020	20	11	5 Students passed & engaged in related works.
Third	2019-2021	20	09	9 Students passed & engaged in related works.
Fourth	2020-2022	20	14	7 Students completed and passed exam. Due for placement.
Fifth	2021-2023	20	06	6 student completed & Passed Exam. Due for Placement.
Sixth	2022-2024	20	06	Studying 2 nd Year
Seventh	2023-2025	30	14	Enrollment under Process.





Given Exposure to New Cutting Edge Technologies in the field of Bamboo through various visits to Industries and Institutions like IPRITI, IWST Bengaluru, IIT-Mumbai, Wadali Bamboo Nursery Amravati MS, Sampooma Bamboo Kendra Lavada, BCDI Agartala, NID Bengalluru, GROW MORE BIOTECH LTD Hosur, and various Bamboo dependent Industries in across India.

#### **Bamboo Handicraft And Art Unit (B.H.A.U.)**

BRTC setup Common Facility Center in order to provide training as well as self-employment opportunities to local Bamboo dependent communities. B.H.A.U. units are well equipped with latest Bamboo Machinery to enhance the skill set of the Bamboo Artisans as well as to increase productivity and quality of products. Nearly 1500 people got benefited through the following 7 CFCs.

Sr.No	Place of CFC	Started
01	Chandrapur	8 <sup>th</sup> April 2018
02	Visapur	14 <sup>th</sup> September 2018
03	Pombhurna	29 <sup>th</sup> February 2019
04	Chichpalli	25 <sup>th</sup> March 2019
05	Mul	26 <sup>th</sup> July 2019
06	Chimur	14 <sup>th</sup> September 2019
07	Sindewahi	1 <sup>st</sup> December 2022



**Chandrapur**



**Visapur**



**Pombhurna**



**Chichpalli**



**Chimur**



**Mul**

### Marketing & Forward Linkages

In order to provide marketing facility to the Bamboo products, BRTC established retail shop at Chandrapur and also supplying goods to Nagpur Bamboo Shop. For online marketing we had tie-up with Flipkart. Bamboo Souvenir shops opened at Mohurli and Kolara Gate of TATR. On 15th Aug 2023 Opened Souvenir shop at Chandrapur Railway Station under "One Product One Station Scheme.





**Souvenir Shop Railway Station  
Chandrapur Ballarshah**



**Souvenir Shop  
Railway Station**

### **Bamboo Art Centers in Universities**

- BRTC established "Bamboo Art Centers" at "Savitri Bai Phule Vidyapeeth Pune", "Mahatma Phule Krishi Vidyapeeth Rahuri", and "Sant Gadge baba Vidyapeeth Amaravati" with joint collaboration of respective universities under the guidance of "Maharashtra Bamboo Development Board" on 5th October 2018, to initiate research and development in the field of bamboo at Universities.



## POMBHURNA CLUSTER

### "Toothpick Project, Pombhurna

This Project was established with funds provided by Tata Trust & M.B.D.B. for completed maintenance & Trial run of the project.



### CHANDRAPUR AGARBATTI PROJECT (CAP), Pombhurna

It was inaugurated on 21st February 2019, with Buy Back Guarantee with ITC-Mangaldeep

#### Phase - 1

- Production Capacity 20 Metric Tons
- Employment Opportunities to 60 Women
- Consists of 3 units
- Raw batti making unit
- Scenting Unit
- Packaging Unit
- First ten consignments costing of Rs.5,63,000/- each was delivered to ITC.



#### Phase-2

Production capacity 80 Metric Tons.

- Employment Opportunities to 250 Women.
- Construction of sheds completed.



#### Phase - 3

Proposal for Bamboo Agarbatti Stick making Unit

MOU is signed between BRTC, MAVIM & CMRC on dt.28.2.2022 to run Chandrapur Agarbatti Project through SIIG women Raw Agarbatti & Scenting Packaging shed handed over to MAVIM on dt. 23.3.2022. CMRC started the CAP-Pombhurna operation from dt.2.3.2022.



## Bamboo Setum at Chichpalli

Started on 25th July 2018.

### Objective:

- As a pilot research project to Farmers as well as students.
- To study the growth of different bamboo species
- To enhance bamboo production in the private and government land.
- To Supply Bamboo Saplings to the farmers to increase the Bamboo Cover

### Features

- Location Chichpalli, Chandrapur (Dt.)
- Area 2 ha.
- Demonstration plots of 80 different Bamboo species targeted.
- Bamboo Hi-tech Nursery
- Funding - Chanda to Banda Seleme provided initially for 3 years. After works maintaining BRTC with funds provided by Govt.
- 73 different bamboo species planted in demonstration plot.



## Bamboo Particle Board

BRTC has setup "Bamboo Particle Board unit" at Chichpalli as an incubation center. Bamboo particle board is made up of with Bamboo waste particles. These boards are used as Tiles, Partition Walls, in furniture etc.



## Bamboo Treatment Plant

BRTC has setup Bamboo Treatment plant at Chichpalli in order to meet industry requirements of treated bamboo as raw material. In this plant BRTC has One Vacuum Pressure Impregnation plant and One Carbonization unil.



## Exhibition

BRTC has participated in nearly 30 exhibitions at various International, National, State and Local events to promote and sale Bamboo Products.

## Future Plans

- Tissue Culture Lab
- Bamboo window Blinds at Pombhurna
- Bamboo Pyrolysis Unit at Chichpalli
- Bamboo Charcoal Unit

## Awards

❖ **GOLD SKOCH AWARD-2019** in employment generation category through Bamboo Handicraft & Art Units

❖ **GRIHA "Exemplary Performance Award"** under Sustainable Building Materials/Technologies category, 11th GRIHA Summit 2019 on 18th Dec 2019 @New Delhi



## **M) MANGROVE CELL**

### **Constitution of Mangrove Cell**

Mangrove Cell was constituted by the Government of Maharashtra in the wake of serious public concerns about mangrove loss in the State, particularly in Mumbai and surrounding areas. The establishment of the Mangrove Cell in 2012 initiated a series of measures for conservation of mangroves in Maharashtra. The Cell is headed by the Additional Principal Chief Conservator of Forests (APCCF). A Deputy Conservator of Forests (DCF) has been appointed to boost mangrove protection efforts. This Cell is also responsible for the conservation of coastal biodiversity in the State.

In 2013, the State government ramped up conservation efforts and elevated the status of mangrove forests on government land from 'Protected Forests' to 'Reserved Forests'. The Cell also facilitated the establishment of Mumbai Mangrove Conservation Unit in 2014.

There was an urgent need to scale up the mangrove conservation activities and to further promote research, education, ecotourism etc. to secure the biodiversity of our coastal and marine environment and to bring tangible benefits to the coastal communities. For this mission, creating an institution with the necessary skill set and the operational flexibility to address this complex task was under the consideration of the government which led to the establishment of a "Mangrove and Marine Biodiversity Conservation Foundation of Maharashtra" (Mangrove Foundation, in short). The Foundation was registered in the year 2015 under the Societies Registration Act, 1860.

### **Functions of Mangrove Cell**

Mangrove cell undertook the programme of mangrove conservation by taking block by block approach from raising mangroves in nurseries and organizing regular large-scale plantations in degraded mangrove areas to conducting Clean Mangrove Campaigns and awareness programmes.

The Cell also forged strong partnerships with many leading national institutions and agencies, facilitating the introduction of state-of-the-art technologies and best practices (with respect to sustainable livelihood activities and research) to the Maharashtra shores. National Institute of Oceanography (NIO), Central Marine Fisheries Research Institute (CMFRI), Central Institute of Fisheries Technology (CIFT), Central Institute of Brackish Water Aquaculture (CIBA), Marine Products Export Development Authority (MPEDA), Wildlife Institute of India (WII), Salim Ali Centre for Ornithology (SACON) and Bombay Natural History Society (BNHS) are just a few names in the long and illustrious list of partners. Mangrove Cell also works with several NGOs, Citizen's Groups, educational institutions and private research organizations.

Based on the International Climate Initiative Agreement between Government of India and the Federal Republic of Germany, a bilateral project towards improving conservation of marine biodiversity called "Sustainable Management of Coastal and Marine Protected Areas" (SMCMPA) was launched in Maharashtra with the help of the German development agency called GIZ. The project led to the notification of the Thane Creek Flamingo Sanctuary in 2015. Spread over an area of about 17 square kilometres with 896 Ha of Mangrove cover, it is home to over 200 species of birds, many of which are migratory like the splendidly-coloured flamingos which arrive in thousands in October-November. A 'Coastal and Marine Biodiversity Centre' was set up at Airoli, Navi Mumbai, in 2017 as a part of the GIZ Project and it is an interpretation and orientation centre for mangrove and marine biodiversity which serves as a gateway to the Sanctuary for tourists and environmentalists.

## **Mangrove Statistic**

- Mangrove Cover in the State (FSI-2021) - 324 sq.km.
- Mangroves on Government Land - 18,000 ha
- Mangroves on Private Land - 13,000 ha

## **Activities of Mangrove Cell - Maharashtra Forest Department**

1. Mangrove Protection
2. Mangrove Conservation and Livelihood Generation Scheme
3. Mangrove Afforestation
4. Awareness Generation
5. Mangrove Foundation Awards
6. Signing of MoU's for Clean up
7. Women's Marathon - Mangroveton
8. Special Publications
9. Clean-up Campaign

### **1. Mangrove Protection**

Mangrove forests on Government land are declared as 'Reserve Forest' as per the Indian Forest Act, 1927. Mangroves on private land are declared as 'Forest' hence provision of Forest Conservation Act 1980 is invoked for the diversion of these forests. In Maharashtra, a total of 15,088 hectares of land is declared as Reserve forest.

- A specialized unit, called Mumbai Mangrove Conservation Unit (MMCUC), has been formed to curb the increased pressure of development, waste dumping, pollution and encroachment in mangrove areas of the Mumbai Metropolitan Region.
- Patrolling is intensified in all mangrove areas
- Thousands of illegal shanties, which had cropped up on mangrove lands in various parts of Mumbai, have been given notices for evacuation and many of them have been removed
- In an effort to closely monitor the status of mangroves in Maharashtra, satellite mapping of mangrove areas has been carried out, district by district, on a 1:5000 scale and the areas in the possession of Forest Department have been demarcated on the ground with a clear boundary.
- Implementation of 'Mangrove Conservation and Livelihood Generation Scheme' for providing sustainable livelihoods associated with mangrove habitats in order to establish sustainable mangrove conservation by local communities and enabling them to receive tangible benefits from protecting this ecosystem. Presently a total of 120 villages are taking advantage of the scheme.
- Capacity Building of staff for effective conservation and protection measures.

► As a large amount of solid waste has been observed in the mangrove areas of the Mumbai Metropolitan Region, the Mangrove and Beach Cleanup Campaign is being implemented through the Mangrove Cell and Mangrove Foundation. In this regard, MoU were signed with eight local non-governmental organisations in the year 2022-23. In the year 2022-23, the cleanup campaigns were organised once every 15 days at the 8 locations in the Mumbai Metropolitan Region and a total of 175 tons of solid waste was collected. Also, to make this work more sustainable, an agreement has been signed with an NGO for recycling and proper disposal of this waste.



► The 'Mangrove Conservation and Livelihood Generation Scheme of the Govt. of Maharashtra has been implemented by the Mangrove Cell since 2017 to protect and conserve the mangroves in the state. Under this scheme, mangrove co-management committees are being formed in around **140 villages** of the coastal districts of Maharashtra. These include **267 self-help groups** of more than **2600 beneficiaries**. Under this scheme, various projects like crab farming, fish cage culture, ornamental fish rearing, oyster farming, mussel farming and ecotourism are implemented. Beneficiaries of this scheme earned an **income of Rs. 1.31 crore** during 2022-23 from these projects.



► Mangrove ecotourism projects are being implemented in 10 villages in the state under the Mangrove Conservation and Livelihood Generation scheme. The beneficiaries undertake activities like Mangrove Information Center at **Marambalpada**, Beach Cycling at **Dive Agar**, Mangrove Kayaking at **Anjarle** and Mangrove Boat Ride at **Kalinje**, **Songaon**, **Mithmumbari**, **Taramumbari**, **Achara**, **Nivati** and **Vengurla** for the visitors. During year 2022-23, 130 beneficiaries participated in these activities and earned an **income of Rs. 9,91 lakh**,



► The Govt. of Maharashtra declared **Thane Creek** as a **Flamingo Sanctuary** in 2015 for the protection of the flamingos and other migratory birds visiting the creek year-round and the mangrove forest lining the creek. The tourists can enjoy the flamingo boat ride and the mangrove and marine interpretation center at the creek. During 2022-23, **more than 40 thousand tourists** visited the center. In order to reduce pollution in the creek, the Mangrove Cell will complete the procurement of the solar boat by March 2024



Various awareness programs about mangrove and marine biodiversity of Maharashtra are being organised for general citizens and students through the Mangrove Cell and Mangrove Foundation on the occasion of various environmentally important days throughout the year. It includes a mangrove trail, a coastal and marine biodiversity center visit, bird watching, informative lectures, competitions, rallies, etc. Last year, **a total of 31,394 students participated** in the above-mentioned activities.



► In February 2023, two female Olive Ridley Turtles were satellite-tagged at Guhagar Beach. The data received from this project so far showed that one of these turtles traveled to Sri Lanka and the other to Lakshadweep. This new information sheds light on their underwater travel. The findings of this project will help in understanding the migration routes, migratory patterns and behavior of Olive Ridley Sea Turtles along the west coast of India.



► In the year 2022-23 the **compensation of Rs. 6,77,500/-** has been given to the 55 fishermen for releasing the marine protected species like sea turtles, dolphins, whale shark etc., back to the sea by cutting their fishing nets under compensation scheme.



## **N) ECOLOGICAL TASK FORCE BATTALION FOR MARATHWADA**

► Late Prime Minister Smt. Indira Gandhi gave concurrence for raising of first ecological Battalion at Dehradun (Uttarakhand) in Year 1982. The purpose of the same was for ecological restoration in the hills of Mussoorie.

As a special provision the manpower for the Eco Battalion is to recruit Ex-Servicemen of the Indian Armed Force for their rehabilitation/ re employment. Subsequent to the raising of the first Eco Battalion, series of eco Battalions were raised at Samba (J&K), Mohangarh (Rajasthan), Pithoragarh (Uttarakhand), Bhatti Mines (New Delhi), Kufri (Himachal Pradesh), Kokrajhar & Tezpur (Assam).

► In the Senior Forest Officers Conference held at Ch. Sambhajinagar on 22-23 September 2016, Brigadier D.S. Chauhan, DDG (Eco) made presentation on Raising of Battalion for taking plantation in Marathwada Region of Maharashtra.

► In the Special Cabinet meeting held at Ch. Sambhajinagar on 04-10-2016, decision was taken to raise Eco-Battalion for carrying out plantation works in the Marathwada Region.

► Govt. of Maharashtra issued GR on 13.10.2016 to submit proposal for raising of Eco Battalion to Govt. of India.

Govt. of India, Ministry of Defence vide letter dated 28-07-2017 granted sanction to raise 136 Infantry Battalion (TA) Ecological MAHAR for State of Maharashtra for a period of five years. The Battalion will consists of one company with total strength of four officers, five Junior Commissioned Officers and 150 other ranks.

### **Role and Tasks of Eco-task Force Battalion**

- To carry out plantation and to maintain plants for the duration of the project.
- If necessary carry out soil conservation work.
- Carry out water harvesting.
- Carry out the task of pasture development.
- Carry out the task of wasteland development.
- Protect/conservate wildlife.
- To provide budgetary support for raising and maintenance of Eco Battalion
- To provide land and infrastructure for housing the Battalion.
- To provide land for plantation.
- Technical advice.
- Supply of fencing material, seeds, seedlings, saplings.
- Water for plantation activities and maintenance.
- Manure, termite treatment, etc.
- Accomodation, drinking water, electricity, telephone connections, etc.
- Additional requirement of transport and equipment over and above the authorization.
- To meet out expenditure in raising, accommodation, transport, equipment and subsequent maintenance from the Defence Services Estimates

## PLANTATION WORKS BY ECO BATTALION

Sr.No.	Plantation Year	Range	Village	Comptt./ Sur.No.	Area ha.	Seedlings Planted
1	2017	Khultabad	Abdimandi	197/14	65	23005
				Total	65	23005
2	2018	Khultabad	Abdimandi	197/14	40	25000
3	2018	Khultabad	Abdimandi	197/14	17.5	22700
4	2018	Khultabad	Shendraban	219	16	17776
				Total	73.5	65476
5	2019	Khultabad	Nirgudi	184/78	25	46983
6	2019	Khultabad	Nirgudi	184/78	33	50038
7	2019	Khultabad	Nirgudi	184,181/78	32	47686
8	2019	Ch. Sambhaji nagar	Shendraban	219	25	27775
9	2019	Ch. Sambhaji nagar	Shendraban	219	3	3333
10	2019	Ch. Sambhaji nagar	Shendraban	219	18	19998
11	2019	Ch. Sambhaji nagar	Shendraban	219	1	23000
12	2019	Vaijapur	Arapur -1	74-A	6.65	19329
13	2019	Vaijapur	Arapur -2	574-B	2.48	7208
14	2019	Vaijapur	Arapur -3	574-B	0.91	3693
15	2019	Vaijapur	Sultanabad -1	74- A	10	6764
16	2019	Vaijapur	Sultanabad -2	74- A	20	13528
				Total	177	269335
17	2020	Khultabad	Dhamangao	183/86	25	40000
18	2020	Khultabad	Dhamangao	183/86	25	40000
19	2020	Khultabad	Dhamangao	183/86	25	40000
20	2020	Khultabad	Dhamangao	183/86	25	40000
21	2020	Ch. Sambhaji nagar	Kolthan -1	212/66	27	67500
22	2020	Ch. Sambhaji nagar	Kolthan -2	212,213/66,49	25	62500
23	2020	Khultabad	Dhamangao	183/86	30	43730
				Total	182	333730

Sr.No.	Plantation Year	Range	Village	Comptt./ Sur.No.	Area ha.	Seedlings Planted
24	2022	Kannad	Vitthalpur -1	145/71	22	22750
25	2022	Kannad	Vitthalpur -2	145/71	22	22750
				Total	44	45500
26	2022	Khultabad	Sirsala -1	36/100,104	40	44440
27	2022	Khultabad	Sirsala -2	36/100,104	35	38885
28	2022	Khultabad	Sirsala -3	36/100,104	35	38885
29	2022	Khultabad	Sirsala -4	36/100,104	11	12221
				Total	121	134431
Grand Total					662.5	871477

#### EXPENDITURE INCURRED ON ECO-BATTALION

Sr. No.	Year	Head	Received Grant	Particulars	Expenditure (In lakh)	Remarks
1	2	3	4	5	6	7
1	2017-18	2406-A211	1120.00	Plantation Work	115.60	The remaining funds of Rs.189.725 lakhs were credited to the account of Forest Development Agency. And (SFD Ch. Sambhajinagar was allotted Rs. 38.085 lakhs for seedlings through BDS system.)
				SFD Ch. Sambhajinagar plant porches expenditure	38.085	
				Cost over amenities		
				Vehicles hiring charges, fuel etc.	4.85	
				Accommodation	21.74	
				Establishment	750.00	
Total expenditure (2017-18)					930.275	
2	2018-19	2406-A211	1280.00	Plantation Work	355.60	Rs. 149.135 lakh remaining funds were credited to the account of Forest Development Agency.
				Cost over amenities		
				Vehicles hiring charges, fuel etc.	48.16	
				Accommodation	40.41	
				Establishment	876.42	
Total expenditure (2018-19)					1320.59	
3	2019-20	2406-A211	959.97	Plantation Work	309.36	The funds received in the year 2019 are 959.97 lakhs and the balance on the account of Forest Development Agency is Rs.149.13 lakhs It has been spent together.
				Cost over amenities		
				Vehicles hiring charges, fuel etc.	19.90	
				Accommodation	27.23	
				Establishment	752.61	
Total expenditure (2019-20)					1109.10	

Sr. No.	Year	Head	Received Grant	Particulars	Expenditure (In lakh)	Remarks
1	2	3	4	5	6	7
4	2020-21	2406-A211	350.00	Plantation Work	140.39	--
				Cost over amenities		
				Vehicles hiring charges, fuel etc.	59.61	
				Establishment	150.00	
Total expenditure (2020-21)					350.00	
5	2022-22	2406-A211	1000.00	Plantation Work	278.50	--
				Cost over amenities		
				Vehicles hiring charges, fuel etc.	21.50	
				Establishment	700.00	
Total expenditure (2022-22)					10000.00	
6	2022-23	2406-A211	1184.39	Plantation Work	49.02	
				Vehicles hiring charges, fuel etc.	19.27	
				Establishment	1116.10	
				Total expenditure (2022-23)		
Grand total expenditure 2017-18 to 2022-23					5894.36	

#### REQUIREMENT FOR THE YEAR 2023 - 24

Sr. no.	Year	Head	Funds required (Rs.Lack)	Particulars	Expenditure (Rs. Lack)	Remarks
1	2	3	4	5	6	7
1	2023-24	2406-A211	1808.67	Plantation works PPO, first to fifth year	472.53	Grant not received
				Cost over amenities	--	
				Outstanding Salaries for the year 2022-23	406.14	
				Funds required for salary allowances in the year 2023-24	930.00	
Total (2023-24)					1808.67	

## Evaluation

Evaluation of plantation of Eco-Battalion for the year 2017-18, 2018-19 and 2019-20 are given as below

Sr.no.	Plantation year	Name of Plantation village	Percentage of survival seedlings
1	2017-18	Abdimandi -1	72.06
2	2018-19	DMIC Shendra-1	97.94
3		Abdimandi -2	91.95
4	2019-20	Abdimandi -3	94.46
5		DMIC Shendra-2	81.56
6		Sultanabad -1	88.56
7		Sultanabad -2	89.03
8		Arapur-1	96.07
9		Arapur -2	87.24
10		KolthanGhanvan	100.00
11		Nirgudi-1	90.74
12		Nirgudi -2	89.75
13		Nirgudi -3	84.67

## Next plan

The term of Marathwada Ecobattalion Task Force was till 9th December, 2022 as approved by the Central Government. After that revenue and forest department government letter no. SVV- 2016/Pr.1129/Part-1F-11, dated 13.10.2023 vide extension has been given from 10.10.2022 to 09.12.2027. The deadline has been extended till 200 per year in Ch. Sambhajinagar Forest Division accordingly. All the forest range officers were informed about making the area available for plantation.

The Forest Range Officer to all had informed the Eco task Force to take plantation for the monsoon season of 2023 on 240 hectares of cultivable area out of the total available area of 308 hectares.

Among them, the Eco task Force has made an MOU for the said area by informing that it is taking 80 hectares of area RFO Ch. Sambhajinagar under the Ch. Sambhajinagar zone only for the year 2023 for sapling.

# SUBJECT HEAD-WISE LIST OF TABLES

## ANNUAL ADMINISTRATION REPORT 2022-23

Sr. No.	Subject Head	Particulars	Table No.	Page No.
1	A.P.C.C.F. (Conservation)	The distribution of total forest area under the ownership of forest department	1	3
		Classification of forest area according to management and legal status	2	4
		Circle-wise distribution of forest area	3	5
		District-wise distribution of forest area	4	6
		District-wise forest cover	5	10
		District-wise Mangrove cover	6	12
		Forest area transferred to FDCM	7	12
		Private forest brought under possession of forest department	56	85
		Claims settled under Tribal Act 2006	60	94
2	A.P.C.C.F. (Protection)	A comparative statement of offence cases	8	16
		Classification of offence cases	9	17
		Causes of forest fire	10	18
		Illicit cutting in state owned Government forest	11	18
		Working of Mobile Squads and Check Nakas	13	20
		Wireless Network in Forest Department	14	21
		Circle-wise licensed saw mill	35	42
		No. of cases permitted for felling under Maharashtra Felling of Trees (Regulation) Act-1964(Revised)	54	83
		Maharashtra sale of trees by occupants belonging to Scheduled Tribe Regulation Act-1969	55	84
		Encroachment on the Forest Land	59	91
3	P.C.C.F. (P & M)	Grazing in Government forest	12	19
		Forest area as per silvicultural system	16	23
		Forest area harvested according to silvicultural system	23	27
4	P.C.C.F. (B,P&D)	Progress of regeneration and afforestation under various activities	17	23
		Species-wise area planted and afforested	18	24
		Implementation of 20 points programme	19	25

Sr. No.	Subject Head	Particulars	Table No.	Page No.
4	P.C.C.F. (B,P&D)	Seedling supplied during Vanmohatsava	20	26
		Forest tanks (under EGS)	21	26
		Joint Forest Management	15	22
		Broad assessment of labour employment	30	35
		Communication and building (Expenditure)	31	38
		Net revenue and expenditure	37	45
		Financial targets and achievements	51	73
		Circle-wise revenue and expenditure	38	45
		Change in forest revenue in 2022-23 over 2021 - 22	39	46
		Composition of forest revenue by sources	40	46
		Break-up of plan & non-plan expenditure	41	47
		Circle-wise classification of forest expenditure for 2022-23 A) Non-Plan B) Plan	42	48
		Activity-wise composition of expenditure	43	52
		Outstanding on account of forest revenue	44	53
		Outstanding of revenue due to different reason	45	54
		Expenditure incurred under MREGS (Maharashtra Rural Employment Guarantee Scheme)	58	90
		Achievements under Tribal sub plan	53	81
		Length of Forest roads in km.	32	40
		Forest building in charge of Forest Department	33	41
		5	A.P.C.C.F. (Administration-Subordinate Cadre)	Position of staff in Forest Department
Casualties and Punishments	49			69
Information regarding Range, Round & Beat	50			71
6	A.P.C.C.F. (R.E.&T)	Long term& Short term training courses	47	58
7	A.P.C.C.F.& Nodal officer	Proposals received and disposed of during the year 2022-23 under Forest Conservation Act 1980	57	88
8	C.F. (Resource Utilization)	Agency-wise Outturn of major forest produce and its value	24	28
		Circle-wise outturn of major forest produce	25	29
		Region- wise outturn of major forest produce	27	32
		Outturn of minor forest produce	26	30
		Supply of forest produce under Nistar	52	79
		Performance of Government saw mills	34	41
		Vehicles and machinery in Forest Department	36	43
9	A.P.C.C.F. (N.T.F.P.)	Outturn of minor forest produce	28	33
		Outturn & value of important minor forest produce	29	34

## ABBREVIATION USED IN ANNUAL ADMINISTRATION REPORT 2022 - 23

Sr. No.	Abbreviations	Particulars
1	ACF	Assistant Conservator of Forests
2	A/C	Additional Charge
3	AWC	Afforestation Working Circle
4	Cu.M.	Cubic meter
5	CCF	Chief Conservator of Forests
6	CF(T&M)	Conservator of Forest (Transport & Marketing)
7	DFO	Divisional Forest Officer
8	Dy.CF	Deputy Conservator of Forest
9	E.G.S.	Employment Guarantee Scheme.
10	F.D.C.M.	Forest Development Corporation of Maharashtra Ltd.
11	FDWC	Fodder Development Working Circle
12	FL.C.S.	Forest Labourers Co-operative Societies.
13	FD	Forest Department
14	Ha.	Hectare
15	IWC	Improvement Working Circle
16	ISRVP	Inter State River Valley Project
17	IT&P	Information Technology & Policy
18	JFMC	Joint Forests Management Committee
19	Km.	Kilometer
20	MFP	Minor Forest Produce
21	MTR	Melghat Tiger Reserve
22	OTFD	Other than Forest Dwellers.
23	OTPL	Old Teak Plantation Working Circle
24	OTSP	Other Tribal Sub Plan
25	PTR	Pench Tiger Reserve
26	P & CAM	Protection And Catchment Management Working Circle
27	Qtl.	Quintal
28	RFO	Range Forest Officer
29	RVP	River Valley Project
30	SCIWC	Selection cum Improvement Working Circle
31	SFD	Social Forestry Department
32	SFS Coimbatore	State Forest Service College, Coimbatore
33	STR	Sahyadri Tiger Reserve
34	TPWC	Teak Plantation Working Circle
35	TSP	Tribal Sub Plan
36	W.C.	Working Circles
37	WP	Working Plan
38	WG	Western Ghat
39	Z.P.	Zilla Parishad





महाराष्ट्र वन विभाग



THE BEST WAY TO FIND YOURSELF  
IS TO LOSE YOURSELF IN THE  
SERVICE OF OTHERS.

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