



Executive summery

CHAPTER I

INTRODUCTION

Last Management plan of the Division was for the period 2006-07 to 2015-16, therefore the new plan is prepared for the period 2016-17 to 2025-26 and submitted for sanction. The new plan is yet to get sanctioned: therefore the **working scheme for the year 2016-17** is prepared. The details about the future management plan are discussed herewith.

The proposed plan will be the third Management Plan of West Nashik Forest Project Division and deals with an area of 42072.108 ha. distributed in 172 compartments by the government order No. FDC/1074/C.NO.578/F-5, dated 27/06/1978 and FDC/1094/C.NO.578/DATED 23/09/1997 and compartment no. 225 having area 93.967 ha. has been allotted by government of Maharashtra order no. meeting 2015/matter no. 36/F-3/MantralayMumbai-400032/Dt. 11-05-2015. The division also includes the area of Makhmalabad nursery having area 42.27ha. of survey no. 155 (P.F). This makes total area of the division i.e. **42208.345 ha.** of 173 compartments and 4 survey number. Out of the total area, the area under **PESA is 41145.827 ha.** and the area under **non PESA is 1062.518 ha.**

This division is divided into two working units namely Peth and Harsul. Peth working unit is further divided into 3 project ranges namely Amba, Zari and Dindori. The Harsul Working unit is divided into 4 project ranges namely Nashik, Boripada, Rayta and Nandgaon. The division area lies between latitude of 19°15' & 20°35' north and longitude 73°15' and 73°50' east. The area is hilly as well as plain. Geological formations pertain to Deccan trap and metamorphic origin. The climate is hot and dry. The rainfall per annum is around 1696.13 mm. Water availability is moderate. Boundary demarcation of R.F. is properly done. This Management Plan has been prepared for a period of 10 years, from the year 2016-2017 to 2025-2026.

- Formation of West Nashik Forest Project Division- 1974.
- Headquarter at Nashik.

Forest with secured boundaries - Reserved Forest boundaries are all demarcated and maintained as detailed below.

Boundaries	The Boundaries of the Tract dealt with
North	Dhule district
South	Thane district
South West	Ahmadnagar district.
East	Jalgaon district
West	Walsad and Navsari district of Gujrat state.

PLAN PERIOD: Proposed Management Plan has been prepared for a period of 10 year from the year 2016- 2017 to 2025-2026. It will come into force with effect from 1st April - 2016.

1. (Details about area of Past and Future Management Plan)

ABSTRACT OF AREA UNDER FDCM TILL DATE 31-12-2015

Sr. No.	Range	Total No. of compt.	Area as per M.P. (2006-07 to 2015-16)	Area handover to forest dept. in ha.	Area transferred for Non forestry purpose in ha.	Area left with FDCM (Area proposed under M.P.2015-16 to 2025-26) in ha.		G. R. No.
						No. of compt	Area in ha.	
1	Zari	23	6241.41	0	0	23	6241.41	G.R. No. FDC-109 P.No. 578Lt.No.-69/F-5/ Forest & revenue dept. mantralay Mumbai 36 dt.11/09/1997
2	Aamba	16	4921.50	0	0	16	4921.50	
3	Rayata	13	3751.90	0	0	13	3751.90	
4	Boripada	23	6443.00	0	0	23	6443.00	
5	Nanadga on	16	3635.95	0	0	16	3635.95	
6	Dindori	66	12639.11	1561.26	2.905	59	11074.94	G.R. No. FDC-2007/253/Lt.No.-69/F-5/ Forest & revenue dept. mantralay Mumbai 36 compt. ha 6222.243 ha. Year 2007-08 transferred to forest dept.
7	Nashik	51	10664.35	4660.97	0	23	6003.37	G.R. No. Meeting No. 2015/ Lt. No. 6/F-3 Dt. 11-05-2015 area taken over from west nashik forest (Territorial) div
		0	Nashik MaujePathardi Comp no. 225 (Survey No. 284, 286)	0	0	1	(+)93.967	
8	Makhmal abad Nursery	0	0	0	0		(+)42.270	G.R.No. FDM 1075/125883/F-5 Dt. 30-09-1976 area taken over from Taluka seed farm Makhmalabad
Total		208	48297.25	(-) 6222.24	(-)2.905	173	42208.345	

Rangewise Area-

Range	Round	Beat Name	Compt. No.	Area of compt. Under FDCM in ha.		
Zari	Sawarna	Sawarna	77	371.339		
			94	411.079		
			95	266.283		
			96	360.980		
			97	273.729		
			Raavihir	98	287.731	
				99	181.056	
			Bhuva	Aadgoan	100	196.758
					101	243.783
					102	185.346
	103	146.092				
	107	234.313				
	Peth	Umrad	Bhuva	104	228.728	
				105	250.692	
			106	265.959		
108			247.384			
109			216.102			
110			257.38			
111			276.723			
Tondwal				112	349.365	
	113	430.262				
	114	319.864				
	115	240.464				
	Total area in ha.			23	6241.412	
Amba	Aamba	Navada	78	370.854		
			79	247.263		
			80	189.716		
			81	495.679		
			82	260.463		

			83	214.160
			84	277.856
	Jogmodi	Jogmodi	87	310.475
			85	302.097
			86	233.605
		Dabhadi	88	318.892
			89	263.773
			90	419.942
	Kapurna	Sadadpada	91	435.928
			92	303.676
			93	277.128
Total area for Aamba range in ha.			16	4921.507
Raayta	Ojhar	Raayta	163	216.608
			164	394.487
			165	387.121
		Raayta	166	347.139
			167	212.702
			168	232.694
	Bafnavahir	Bafnavahir	133	239.331
			134	321.158
			135	208.899
			136	298.981
		Khadakohal	137	284.787
			138	303.919
			139	304.081
Total area of Rayta range in ha.			13	3751.907
Boripada	Kharshet	Kaas	129	274.782
			130	244.956
			132	310.029
		Kharshet	127	260.86
			128	265.231
			146	312.013

			147	262.236
	Harsul	Kharpadi	125	280.365
			126	199.752
			148	307.884
			149	300.439
		Mankapur	121	233.504
			122	413.589
			123	260.78
			124	215.050
	Thanapada	Behedpada	142	268.509
			143	397.078
			144	305.790
			145	296.392
		Thanapada	141	256.044
			160	307.520
			161	145.119
			162	325.084
Total area of Boripada range in ha.			23	6443.006
Nandgaon	Kharwal	Kharwal	157	149.734
			158	96.720
			159	221.120
			172	42.775
			173	169.199
		Saarste	152	284.494
			153	429.939
			155	232.613
	Nandgaon	Adgoan	169	260.294
			170	264.219
			171	316.706
			175	166.407
		Torangan	174	152.889
			176	276.602

			177	339.045
			178	233.200
Total area of Nandgoan range in ha.			16	3635.956
Nashik	Laadchi	Laadchi	193pt	61.512
			196	349.149
			197	242.282
			198	276.036
			199	81.662
			200	133.951
		Shivangoan	218	148.780
			220	222.222
		Mulegoan	232	203.232
			245	311.253
			301	455.107
	Ghoti	Aambewadi	303	438.759
			304	415.547
			305	315.835
			306	424.161
		Ghoti	299	343.333
			340	378.643
			341	337.143
		Vaitarna	357	188.904
			359	135.405
			360	292.138
			361	248.322
	Nashik mauje Pathardi		225	Sr.No 284 15.195
				Sr.No 286 78.772
				Total 93.967
Total area of Nashik range in ha.			23	6097.343
Dindori	Vani	Vani-1	567	439.046
			568	502.970
		Vani-2	578	163.63

			579	225.493
			580	214.577
			581	339.301
	Umrale	Vani-3	609	181.177
			610	225.167
		Umrale	612	214.858
			613	197.807
			614	284.137
			615	280.696
	Total area of Dindori Tehsil in ha.			3268.859
	Abhona	Abhona	281c	196.090
			282c	173.650
			286c	298.955
			285c	161.990
			288c	198.670
			289c	146.140
			290c	8.000
			291c	27.800
			292c	170.090
			283c	349.210
			284c	192.230
			287c	115.690
		Desgoan	275c	264.840
			277c	196.920
			278c	104.570
			99c	331.880
			100c	215.14
			272c	178.790
			273c	226.080
			274c	136.740
			279c	176.700

2. THE TOTAL AREA OF THE PROPOSED MANAGEMENT PLAN IS 42208.345 ha.

Total area of Kalwan Tehsil in ha.	Total area of Dindori range in ha.	Kalwan + Dindori Taluka	ISS (Survey no.)	Total
109.250	280c		173	42208.345
269.950	97c	Dalwat		
394.943	107c		59	11074.944
85.220	108c			
20.960	106c			
49.437	109			
49.100	101c			
213.970	112c-pt			
353.830	113c			
211.100	259c			
138.230	255c			
125.160	256c			
213.940	257c			
86.94	262c-pt			
282.900	98c			
81.500	252c			
131.360	258c			
170.930	235c	Rawaji		
87.040	234c			
87.850	251c			
94.540	263c			
158.780	261c			
133.550	260c			
137.950	253c			
184.940	254c			
62.540	264			
7806.085				

➤ Total Area Covered	:	42208.345
➤ Period of plan	:	2016-17 to 2025-26
➤ Total No. of Ranges	:	7
➤ Total No. of Rounds	:	19
➤ Total No. of Beats	:	39
➤ Total No. of Compartments	:	173
➤ Total Survey no.	:	4

3. OBJECTIVES OF PROPOSED MANAGEMENT PLAN:

The National Forest policy of 1988 is used as the guiding principal to decide the general objectives of management and these are mentioned here as under:

- (i) To preserve forest cover on steep hill slopes, along the nalasand water courses; so as to prevent soil erosion.
- (ii) To enrich the growing stock in the natural forests and restock all the under stocked and degraded forests, thus to achieve normality of growing stock in shortest possible time.
- (iii) To increase the productivity of forests by using improved technology, also maintain the same on sustained yield basis.
- (iv) To meet the requirement of small timber, fuel wood, fodder and minor forest produce of the rural as well as tribal population on top priority.
- (v) To increase the production of minor forests produce and manage the same scientifically
- (vi) To conserve and protect wildlife.

4. FOREST TYPES

- According to classification of forest types by Sir H.G. Champion and Shri. S.K.Seth belongs to sub group Southern Indian Tropical moist deciduous forest “3B/C1b” and “5A” Southern Tropical dry deciduous forest. **Sub types-**
- Group 3 Southern Tropical moist deciduous forests
 - 3B/c 1b South Indian moist deciduous forests
 - 3B/c2 Southern Tropical dry deciduous forests
- Group 5 A Southern Tropical dry deciduous forests
 - 5A/c1b Southern Tropical dry deciduous Teak forest

5A/c3 Southern Tropical dry mix deciduous forest

Predominant Species - Teak, Ain, Bija, Dhawada, Tendu, Salai, Mowai, Moha, Kalam, Khair, Bamboo etc

5. LABOUR SUPPLY: It is not adequate.

6. WILDLIFE : Includes animals like hyena, porcupine, wild cat, jackal, grey fox squirrel, barking deer, common hare etc.

7. AREA TREATED UNDER SOIL AND WATER CONSERVATION MEASURES:

In the plantation areas soil and moisture conservation measures like nalabunding, contour trenches etc. are practiced.

8. UTILIZATION OF FOREST PRODUCE:

- **Timber:** Teak, Bija, Saja etc. are used for construction purposes and for making furniture. Preferred timber species is teak.
- **Firewood :** Demand is high, used for cooking
- **Bamboo :** Used for construction, making mats and baskets
- **NTFP & Medicinal Plants:** Collection of NTFP & Medicinal plants constitute a part of the income for tribal population living in and around the forest areas.

9. DEPENDENCY OF LOCAL PEOPLE ON NTFP:

Local people are not fully dependent on forests. As Government facilitate employment for them under various schemes like Mahatma Gandhi Employment Guarantee Scheme, etc.

10. HUMAN RESOURCE CAPACITY BUILDING EFFORTS:

Forest officials and staff are sent time to time for refresher courses conducted at Forest Training centers; whereas seminars and workshops are also arranged for new schemes to update their knowledge and also to increase their efficiency in all capacity building.

11. PUBLIC AWARENESS AND EDUCATION:

Every year various events are organized as awareness generation campaign to involve local villagers in protection, conservation and development of *flora and fauna*. Villagers are aware through posters, leaflets, banners which had been pasted everywhere in the villages. It includes information about anti poaching, illicit felling, encroachment, grazing, fire, trespass, etc. Staff also helps in creating awareness among the village people about conservation of the forests. Divisions also celebrate the wildlife week which helps in gaining knowledge and affection about the forest and wildlife.

12. ECOTOURISM AREA AND ACTIVITIES:

The concept of eco-tourism has become popular and it is well conceived in several parts of India. Eco-tourism shall be promoted to extend benefits to the society in general and to local forest dwellers in particular.

Bhandardara is one of the Hill stations & tourist places situated 70 kms. from Nashik. This place is quite easy to approach from Mumbai, Pune & Nashik. It is surrounded all over the natural forest area including Kalsubaishikhar & wildlife camp etc. Eco Tourism activities can be developed with tourist camp, cottages. As well as Ozarkhed nursery at Dindori range can also be developed as the ecotourism complex; (having adjoining lake) which attracts the tourists.

PROPOSED MANAGEMENT PLAN OF WEST NASHIK FOREST PROJECT DIVISION (2016-17 TO 2025-26):

This Management plan is written for the period 2016-17 to 2025-26 with the following working circle wise distribution of the area as per the guidelines of National Working Plan Code – 2014:

Sr.No.	Working Circle	Area of Working Circle(ha.)
1	Teak Plantation management W.C.	2681.00
2	Teak Plantation & Reboisement and W.C.	1900.00
3	Afforestation W.C.	7896.327
4	Improvement W.C.	11001.327

5	Protection W.C.	9475.971
6	Planting Stock Improvement W.C.	290.67
7	Encroached Area Management W.C.	8204.445
8	Miscellaneous W.C.	758.636
Total		42208.345

Overlapping Working Circles are as follow:

Sr.No.	Working Circle	Area in proposed working circle (ha.)
1	Bamboo Production (Overlapping) W.C.	1305.00
2	Biodiversity Conservation (Overlapping) W.C.	42208.345
3	Wildlife (Overlapping) W.C.	42208.345
4	Medicinal & Aromatic Plants (Overlapping) W.C.	42208.345
5	Soil and Water Resource Management (Overlapping) W.C.	42208.345
6	Non timber forest produce (Overlapping) W.C.	42208.345

Field data collection and Enumeration:

Field data collection and enumeration was carried out from the month June 2015 to October 2015 as per the guidelines of National Working Plan Code 2014. Field data collection and enumeration was carried out and prescribed format were filled by the staff.

It was observed by the survey that natural regeneration was *moderate to less* throughout the division.

THE WORKING CIRCLE WISE COMPARATIVE STATEMENT OF PAST AND CURRENT MANAGEMENT PLAN:

Sr. No.	Name of Working Circle	Area (ha) (2006-07 to 2015-16) (Old)	Area (ha) (2016-17 to 2025-26) (New)
1	Teak Plantation Management Working Circle	5049.899	2681.00
2	Teak Plantation &Reboisement Working Circle	4305.012	1900.00
3	Afforestation Working Circle	28746.775	7896.327
4	Improvement Working Circle	5934.219	11001.296
5	Protection Working Circle	3945.839	9475.971
6	Miscellaneous Working Circle	61.512	758.636
7	Planting stock improvement Working Circle	254	290.67
8	Encroached area management Working Circle	-	8204.445
9	Bamboo Production (overlapping) Working Circle	12246.230	1305.00
	Grand Total	48297.256	42208.348

WORKING SCHEME PERIOD: This will be for the year 2016-17 only.