Management Plan
Corrected copy dtd. 25/03/2025

FOREST DEVELOPMENT CORPORATION OF MAHARASHTRA LTD.

(A Govt. of Maharashtra Enterprise)

MANAGEMENT PLAN

For

PRANHITA FOREST PROJECT
DIVISION. ALLAPALLI

(PERIOD OF PLAN: - 2025-2026 TO 2034-35)

VOLUME : II

By

D. S. Chandekar
Divisional Manager
Pranhita Forest Project Division,
Allapalli

VOLUME – II

LIST OF APPENDICES (Indicative)

Appendix No. I
Divisional Area Statement

Sr. No.	Name of Range	Forest Area (ha)	% Area of Division
1	Allapalli	**4905.509**	19.304
2	Aheri	**5283.890**	20.793
3	Jimalgatta	**8241.987**	32.434
4	Sironcha	**6980.480**	27.469
Total		**25411.866**	**100**

Appendix No. II (A)
ENUMERATION AND ITS RESULTS

Teak Plantation Management Working Circle (1.00 ha.)

Sr. No.	Species	Girth Class									Total
		16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Over	
1	Teak	27.5	23.4	57.8	61.18	48.1	2.21	1.9	0.83	0.03	0	**222.95**
2	Ain	0.92	1.3	0.11	1.2	0.98	0.72	1	0.1	0	0.3	**6.63**
3	Bija	0	0	0	0.22	0.7	0.34	0.2	0.1	0.1	0	**1.66**
4	Haldu	0	0	0	0	0.1	0.1	0	0	0	0	**0.2**
5	kalam	0	0.1	0	0.1	0	0	0	0	0	0	**0.2**
6	Sisham	0.1	0	0.1	0	0	0.2	0	0	0.1	0	**0.5**
7	Khair	0.1	0.2	0.2	0	0	0	0	0	0	0	**0.5**
8	Dhawada	0.2	0.95	1.34	1.52	1.1	0.5	0.1	0.6	0	0	**6.31**
9	Garadi	0.4	0.3	0	0.1	0	0	0	0	0	0	**0.8**
10	Hiwar	0.1	0	0	0.23	0	0	0.4	0	0	0.1	**0.83**
11	Surya	0	0	0	0	0	0	0	0	0	0	**0**
12	Kakad	0	0	0	0	0	0	0	0	0	0	**0**
13	Bel	0	0	0.1	0	0	0	0	0	0	0	**0.1**
14	Mowai	0.1	0	0	0.1	0	0	0	0	0	0	**0.2**
15	Moha	0.2	0.3	0.23	1.58	1.63	1.9	0.4	0.2	0.2	0	**6.64**
16	Tendu	0.1	0.1	0.5	0.1	0.1	0	0	0.3	0	0	**1.2**
17	Behada	0	0	0.1	0	0.1	0	0	0	0	0	**0.2**
18	Awala	0	0	0.1	0	0.1	0	0	0	0	0	**0.2**
19	Other	0.2	7.8	6.38	5.37	4.15	1.72	0.91	0.91	0.51	0.3	**28.25**
	Total	**29.92**	**34.45**	**66.96**	**71.7**	**57.06**	**7.69**	**4.81**	**2.44**	**0.94**	**0.7**	**276.67**

Area (Ha.) : **16564.803**

Sample Plots (No) : **335**

Sample Area (Ha.) : **26.934**

Conversion Working Circle (1.00 ha.)

Sr. No.	Species	Girth Class										Total
		16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Over	
1	Teak	2.12	3.12	11.4	12.91	17.8	13.53	5.21	1.1	0.2	0	**67.39**
2	Ain	3.1	3.57	17.5	14.09	14.32	6.82	7.25	2.4	2.76	1.2	**73.01**
3	Bija	0.1	0	0	0.1	0.3	0.2	0.1	0	0.1	0	**0.9**
4	Haldu	0	0.1	0	0.1	0	0	0	0.34	0	0	**0.54**
5	kalam	1.2	1.3	0.1	0.1	0	0	0	0	0	0	**2.7**
6	Sisham	1.1	0.98	0.32	0.2	0	0.2	0.3	0	0.1	0	**3.2**
7	Khair	1.2	1.4	2.3	0.23	0.12	0	0	0	0	0	**5.25**
8	Dhawada	2.1	1.41	5.8	4.1	2.79	3.13	2.1	1	0	0	**22.43**
9	Garadi	1.2	1.93	1	1	0.9	0.2	0.1	0	0	0	**6.33**
10	Hiwar	0.1	0.1	0	0.33	0.1	0	0.42	0.1	0.1	0	**1.25**
11	Surya	0.1	0.1	0.2	0	0	0	0	0	0	0	**0.4**
12	Kakad	0	0	0	0	0	0	0	0	0	0	**0**
13	Bel	0.52	0.1	0	0	0	0	0	0	0	0	**0.62**
14	Mowai	1.1	1.4	1.6	1.7	1.3	0.94	0	0	0	0	**8.04**
15	Moha	3.1	2.1	0.3	2.8	1.37	2.12	0.92	0.85	0.79	0	**14.35**
16	Tendu	1.3	1.8	2.2	0.56	1.9	0.4	0.7	0.3	0.1	0.1	**9.36**
17	Behada	0.1	0	0	0.2	0.1	0	0.1	0	0	0	**0.5**
18	Awala	0.1	0	0.1	0	0.1	0.63	0.31	0	0	0	**1.24**
19	Other	3.8	11.3	9.12	7.3	5.19	3.16	3.2	4.8	2.1	1.3	**51.27**
	Total	**22.34**	**30.71**	**51.94**	**45.72**	**46.29**	**31.33**	**20.71**	**10.89**	**6.25**	**2.6**	**268.78**

Area (Ha.) : **3037.829**

Sample Plots (No) : **97**

Sample Area (Ha.) : **7.8**

Protection Working Circle (1.00 ha.)												
Sr. No.	Species	Girth Class										Total
		16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Over	
1	Teak	3.18	2.61	2.89	1.3	1.42	1.78	0.9	0.71	0	0	**14.79**
2	Ain	4.88	5.21	4.9	2.1	3.17	2.39	1.4	2.7	0.1	0.1	**26.95**
3	Bija	0	0	0	0.1	0.22	0.18	0.03	0.1	0	0	**0.63**
4	Haldu	0.1	0.3	0	0.2	0	0	0	0	0	0	**0.6**
5	kalam	0	0.2	0	0	0	0	0	0	0	0	**0.2**
6	Sisham	0.2	0.1	0.1	0.2	0	0	0	0	0	0	**0.6**
7	Khair	1.2	1.7	0.5	0.1	0.6	0.1	0.1	0	0	0	**4.3**
8	Dhawada	2.12	2.06	1.44	1.83	1.1	0.89	0.1	0.7	0.1	0	**10.34**
9	Garadi	2.88	2.51	3.01	0.2	0.1	0	0	0	0	0	**8.7**
10	Hiwar	0.5	1.4	0.2	0	0	0.1	0	0	0	0.1	**2.3**
11	Surya	0.1	0.32	0	0.21	0	0	0	0	0	0	**0.63**
12	Kakad	0	0	0	0	0	0	0	0	0	0	**0**
13	Bel	0.2	0.1	0	0	0	0	0	0	0	0	**0.3**
14	Mowai	0.3	0.21	0	0.34	0.17	0.16	0.21	0.19	0.1	0	**1.68**
15	Moha	2.27	1.18	1.14	2.7	1.9	0.13	0.4	1.21	0.2	0	**11.13**
16	Tendu	1.62	1.27	0.5	0.68	0.1	0	0.29	0.91	0.32	0.1	**5.79**
17	Behada	0.3	0	0.1	0	0.1	0	0	0	0	0	**0.5**
18	Awala	1.1	0	0.1	0	0.1	0	0	0	0	0	**1.3**
19	Other	4.33	6.9	11.8	12.39	8.88	4.25	4.8	4.41	1.34	1.54	**60.64**
	Total	**25.28**	**26.07**	**26.68**	**22.35**	**17.86**	**9.98**	**8.23**	**10.93**	**2.16**	**1.84**	**151.38**

Area (Ha.) : **5809.234**

Sample Plots (No) : **128**

Sample Area (Ha.) : **10.291**

Appendix No. II (B)

Biodiversity Assessment

Not conducted

Appendix II (C)
Regeneration Report

Conversion Working Circle

Sr. No.	Species	No. of Plants			Total Plant	Total Plant per. Ha.
		0-50 cm Ht	51-100 cm Ht	100 + cm Ht		
1	Teak	4.1	2.5	2.6	9.2	114.4279
2	Ain	3.4	2.8	2.7	8.9	110.6965
3	Bija	0.8	1.1	0	1.9	23.63184
4	Haldu	0.5	0	0	0.5	6.218905
5	Karam	0	0.5	0	0.5	6.218905
6	Tendu	2.1	1.5	1.1	4.7	58.45771
7	Dhawada	3.8	2.9	2.2	8.9	110.6965
8	Garadi	6.4	2.8	4.1	13.3	165.4229
9	Surya	0.2	0.5	0	0.7	8.706468
10	Karai	0.6	0	0	0.6	7.462687
11	Movai	0.3	1.3	0.9	2.5	31.09453
12	Lendi	0	0.7	0	0.7	8.706468
13	Char	0.8	0.9	1.5	3.2	39.801
14	Moha	2.1	1.7	0.98	4.78	59.45274
15	Kuda	0.96	1.5	0.25	2.71	33.70647
16	Ali	0	0	0	0	0
17	Bhira	0	0	0	0	0
18	Other	7.1	2.4	6.8	16.3	202.7363
	Total	**33.16**	**23.1**	**23.13**	**79.39**	**987.4378**

Area (Ha.) : **16564.803**

Sample Plots (No) : **335**

Sample Area (Ha.) : **26.934**

Teak Plantation Management Working Circle

Sr. No.	Species	No. of Plants			Total Plant	Total Plant/Ha.
		0-50 cm Ht	51-100 cm Ht	100 + cm Ht		
1	Teak	5.1	6.4	4.8	16.3	**202.7363**
2	Ain	1.8	2.3	1.2	5.3	**65.9204**
3	Bija	0	0	0.1	0.1	**1.243781**
4	Haldu	0	0	0	0	**0**
5	Karam	0.8	0.12	0.3	1.22	**15.17413**
6	Tendu	0.98	1.2	0.8	2.98	**37.06468**
7	Dhawada	1.65	1.74	0.65	4.04	**50.24876**
8	Garadi	2.01	1.2	0.65	3.86	**48.00995**
9	Surya	0	0	0.1	0.1	**1.243781**
10	Karai	0.1	0	0	0.1	**1.243781**
11	Movai	0.12	0	0.3	0.42	**5.223881**
12	Lendi	0	0.4	0	0.4	**4.975124**
13	Char	0.3	0.2	0.24	0.74	**9.20398**
14	Moha	1.1	0.38	1.3	2.78	**34.57711**
15	Khair	0	0.8	0.1	0.9	**11.19403**
16	Kuda	1.2	0.5	0	1.7	**21.14428**
17	Ali	0	0	0	0	**0**
18	Bhira	0	0	0	0	**0**
19	Shehana	0.3	0	0.2	0.5	**6.218905**
20	Kumbhi	0	0	0	0	**0**
21	Palas	1.1	1.6	0.94	3.64	**45.27363**
22	Other	8.1	6.1	4.2	18.4	**228.8557**
	Total	**24.66**	**22.94**	**15.88**	**63.48**	**789.5522**

Area (Ha.) : **16564.803**

Sample Plots (No) : **335**

Sample Area (Ha.) : **26.934**

Protection Working Circle

Sr. No.	Species	No.of Plants			Total Plant	Total Plant per.Ha./0.804
		0-50 cm Ht	51-100 cm Ht	100 + cm Ht		
1	Teak	0.5	2.1	1.1	132	**54.8**
2	Ain	2.1	1.4	1.02	4.52	**56.21891**
3	Bija	0	0.2	0	0.2	**2.487562**
4	Haldu	0.1	0	0	0.1	**1.243781**
5	Karam	0.2	0	0	0.2	**2.487562**
6	Tendu	1.1	0.5	0.6	2.2	**27.36318**
7	Dhawada	0.95	0.2	0.2	1.35	**16.79104**
8	Garadi	1.1	1.5	0.5	3.1	**38.55721**
9	Surya	0	0	0.1	0.1	**1.243781**
10	Karai	0	0	0	0	**0**
11	Movai	0.2	0.25	0	0.45	**5.597015**
12	Lendi	0.1	0.11	0.1	0.31	**3.855721**
13	Char	1.1	0.5	0.84	2.44	**30.34826**
14	Moha	1.01	0.5	1.8	3.31	**41.16915**
15	Kuda	0.8	0.3	0	1.1	**13.68159**
16	Ali	0	0	0	0	**0**
17	Bhira	0	0.2	0	0.2	**2.487562**
18	Shehana	0	0	0	0	**0**
19	Palas	1.3	0.8	1.2	3.3	**41.04478**
20	Other	2.1	1.5	2.3	5.9	**73.38308**
	Total	**12.66**	**10.06**	**9.76**	**160.78**	**412.7602**

Area (Ha.) : **5809.234**

Sample Plots (No) : **128**

Sample Area (Ha.) : **10.291**

Appendix No. II (D)

Socio-economic Survey

Not conducted

Appendix No. II (E)

NTFP Survey

Not conducted

Appendix No. III

A) Details of seed stands/seed production areas.

Sr. No.	Range	Plantation Year	Compt. No.	Area (ha.)	Remark
1	Allapalli	1986	2	4.00	Seed stand
2		1983	13	40.00	Seed stand
3		1986	25	4.00	Seed stand
4		1982	27	52.00	Seed stand
5	Aheri	1993	192	10.00	Seed stand
6		1979	100	36.00	Seed stand
7	Sironcha	1982	202	12.080	Seed stand
8		1983	207	53.342	Seed stand
9		1983	208	36.750	Seed stand
10		1983	209	12.250	Seed stand
11		1987	285	4.250	Seed stand
12		2002	296	15.143	Seed stand
13	Jimalgatta	1986	67	9.00	Seed stand
14		1982	335	18.00	Seed stand
15		1982	336	47.00	Seed stand
Total				**353.815**	

B) Research Plot

Plantation Inventory Unit (PIU) plots are measured regularly.

Sr. No.	Division	Year of PIU measurement	First Counting	Sixth Counting
			No. of Sample Plot	No. of Sample Plot
1	Pranhita Forest Project Division Allapalli	2020-21	13	16
2		2021-22	12	9
3		2022-23	16	252
4		2023-24	24	125
5		2024-25	28	10
Total			**93**	**412**

Appendix No. IV

Rights and Concession

1. Various concessions have been extended from time to time to agriculturists and others of certain villages to graze their cattle in accordance with grazing rules issued Government Resolution vide No. MFP-1371/237035-Z, Dated 3rd November, 1973. Agriculturists are also allowed at concessional rates certain items of forest produce and grazing of cattle belonging to the agriculturists of assigned villages in accordance with the grazing rules in force.
2. Entire forest areas fall in the Scheduled area. In pursuance of the PESA Act the State Legislature has enacted legislation, whereby the rights with respect to minor forest produce on Government lands (excluding sanctuaries and National Park) have been vested in Panchayats at appropriate level and Gram Sabha. As per the rules framed by the State Government, the responsibility of preparing Management Plan is with the Committee at Village Level.1997
3. Some areas have been claimed under FRA. Details are given below.

Total area of Pranhita FPD	Total area claimed under FRA (in ha.)		Claims settled under FRA		Claims pending under FRA	
	No. of claims	Area	No. of claims	Area	No. of claims	Area
25411.866	693	921.616	172	194.070	521	727.546

Appendix No. V

Lease of Land

The Forest area leased to the Pranhita Forest Project Division for management purpose was finalized vide Managing Director's letter No. DM/PLAN/RO/19/1632, Nagpur dated 28/06/1995. This Management Plan also includes the area recently leased by the Forest Department vide G.R. No. i) एफडीसी-2013/प्र.क्र.94/फ-5, दि. 28 एप्रिल 2014 and ii) एफडीसी-2014/प्र.क्र.112/फ-5, दि. 19 जुन 2014. Area transferred to the Forest Department as per G.R. No. डब्ल्यूएलपी. 0514/प्र.क्र.106/फ-1, दि. 27.08.2014 for Pranhita wildlife Sanctuary.

Appendix No. VI

FCA land diversions, Status of afforestation of CA land and their notification

Sr. No.	Range	Area Diverted under FCA
1	Aheri	22.137 Ha. area diverted for NH-353C
2	Jimalgatta	16.783 Ha area diverted for NH-353C

Appendix No. VII

Range, Round and Beat (with area and HQ)

Range	Round	Beat	Compt No.	Area	HQ
Allapalli	Tanbodi	Apapalli	1	219.825	Allapalli HQ
			2	345.602	
			5	389.154	
		Tanbodi	6	305.343	
			7	425.891	
	Allapalli	Botalacheru	13	359.037	
			16	542.441	
		Nagepalli	17	401.772	
			27	259.808	
	Ramayyapetha	Ramayyapetha	18	430.748	
			19	185.155	
		Maddigudam	20	326.015	
			22	221.653	
		Maddimadagu	24	191.450	
			21/25	278.135	
		Allapalli HQ	28	23.480	
Aheri	Pusukpalli	Allapalli	1	178.433	
			2	187.210	
			4	349.520	
			6	165.397	Allapalli HQ
			192	38.373	
		Pusukpalli	3	249.885	
			7	198.450	
			12	329.655	
			202	133.772	
	Mosam-I	Vyankatraopetha	19	150.660	
			20	141.345	
			21	137.200	
			22	236.925	
		Zamela	23	284.080	
			24	188.667	
			99	379.316	
	Mosam-II	Mosam	5	445.236	
			100	457.008	
		Patanil	46	253.738	
			47	250.905	
			48	234.718	
			49	293.397	
Jimalgatta	Umanoor	Umanoor-I	84	494.910	
			333	262.627	

			335	200.330	Jimalgatta HQ
			336	341.563	
		Umanoor-II	330	191.187	
			332	217.171	
			337	209.046	
			338	218.530	
		Raspalli-I	55	396.900	
			57	443.385	
	Jimalgatta	Jimalgatta	58	374.633	
			59	114.210	
			67	212.625	
			263	21.421	
			264	49.499	
		Lakhanguda	61	238.140	
			62	148.635	
			63	186.300	
			64	155.520	
			65	281.070	
			68	247.050	
		Raspalli-II	80	392.445	
			81	593.325	
	Dechali	Kishtapur	78	368.550	
			79	624.915	
		Dechali	1	309.015	
			2	99.630	
			5	139.390	
			7	177.390	
		Joganguda	18A	532.575	
Sironcha	Asaralli	Boraigudam	267	273.375	Asaralli HQ
			268	180.225	
			269	170.505	
			270	180.630	
		Golagudam	271	155.520	
			272	253.935	
			273	307.395	
		Amdeli	237	246.645	
			236	214.145	
			278	243.405	
		Bodela	199	156.330	

			197	196.020	
			196	176.175	
			195	153.900	
	Kopela	Somanpalli	279	271.755	
			299	350.730	
		Kopela-1	235	158.760	
			296	234.090	
			280	162.810	
			281	290.790	
		Kopela-2	282	208.575	
			233	216.270	
			234	275.805	
	Zinganoor	Mangigudam	200	147.015	
			232	232.470	
			202	266.085	
		Zinganoor-1	207	85.050	
			208	119.070	
			209	150.255	
			210	149.040	
		Zinganoor-2	204	165.240	
			227	133.650	
			228	119.070	
			230	199.260	
			285	136.485	

ABSTRACT		
Alapalli	17	4905.509
Aheri	22	5283.890
Jimalgatta	30	8241.987
Sironcha	35	6980.480

Appendix No. VIII

Buildings

Sr. No.	Type of building	Total number	Remark
1	**Allapalli HQ.**		
	Division office (Aranya Niwas)	1	
	Type I Single Unit and Type I Double Unit	29	
	Type II Single Unit and Type II Double Unit	51	
	Type III Double Unit	10	
	Type IV Single Unit	9	
2	**Jimalgatta Range**		
	Type I Double Unit	8	
	Type II Double Unit	16	
	Type III Double Unit	8	
	Range Office	1	
	Inspection Hut	1	
	Depot Office	1	
3	**Sironcha Range**		
	Type I Double Unit	1	
	Type II	5	
	Type III	3	
	Type IV	2	
	Labor Shade	2	
Total		**148**	

Appendix No. IX

Divisional Forest Officers

Sr. No.	Name of Divisional Managers	Period	
		From	Upto
1	R. N. Indurkar (IFS)	02.09.1974	02.04.1975
2	P. C. Thomas (IFS)	03.04.1975	01.11.1975
3	P. N. Thembhare	13.04.1976	25.07.1979
4	A. B. Bhangare (IFS)	26.07.1979	07.06.1981
5	V. A. Joshi (IFS)	08.06.1981	07.10.1981
6	H. N. Tatvawadi	08.10.1981	12.10.1981
7	P. G. Bakshi	13.10.1981	31.03.1983
8	A. V. Ashtekar	01.04.1983	03.05.1983
9	Dr. Nandkishor (IFS)	04.05.1983	30.09.1984
10	S. K. Sud (IFS)	01.10.1984	31.01.1985
11	Sarjan Bhagat (IFS)	01.02.1985	15.04.1985
12	A. S. K. Sinha (IFS)	25.02.1986	17.07.1987
13	J. D. Gwalvanshi	15.12.1987	24.04.1989
14	Anurag Choudhari (IFS)	25.04.1989	29.10.1990
15	A. B. Shitole	24.07.1991	22.10.1993
16	H. B. Ingale	23.10.1993	22.02.1996
17	S. L. Thavare	23.02.1996	27.06.2000
18	V. V. Kulmethe	15.07.2000	27.11.2003
19	U. P. Patil	27.11.2003	13.05.2007
20	S. S. Kazi	14.05.2007	30.06.2009
21	M. H. Dhantole	17.07.2009	30.11.2012
22	P. K. Kulkarni	07.12.2012	31.08.2013
23	P. P. Ghate	25.09.2013	18.01.2014
24	L. N. Madane	19.01.2014	02.02.2014
25	P. P. Ghate	03.02.2014	31.01.2015
26	Y. M. Waghaye	01.02.2015	31.01.2018
27	S. R. Patil	01.02.2018	09.04.2020
28	V. W. More (Add.)	17.04.2020	16.03.2021
29	D. S. Chandekar	17.03.2021	-

Appendix No. X

Details of BMCs established in the Forest Division: -

As per the discussion in Standing Consultative Committee meeting, the mandate is different, hence not applicable to this Division.

Appendix No. XI : Fire incidences

Statement on the incidence of forest fire for the last 10 years

Sr. No.	Year	Recorded Fire Incidence
1	2013-14	11
2	2014-15	12
3	2015-16	19
4	2016-17	13
5	2017-18	40
6	2018-19	15
7	2019-20	15
8	2020-21	42
9	2021-22	46
10	2022-23	16
Total		**229**

Appendix No. XII

Statement On Forest/Wildlife Offence During Last 10 Years

Sr.No.	Range	Offence Type	No. of Offence	Stump	Cu.M.	Value	Area
1	Allapalli	Illicit felling	194	1118	404.705	2438980	0.000
		Forest Fire	46	0	0	0	110.850
		Transport	4	0	0	0	0.000
		Other	2	0	0	0	0.000
		Wild life	0	0	0	0	0.000
Total			**246**	**1118**	**404.705**	**2438980**	**110.850**
2	Aheri	Illicit felling	206	752	475.578	3534327	0.000
		Forest Fire	85	0	0	0	212.678
		Transport	4	0	0	0	0.000
		Other	5	0	0	0	0.000
		Wild life	3	0	0	0	0.000
Total			**303**	**752**	**475.578**	**3534327**	**212.678**
3	Jimalgatta	Illicit felling	83	340	37.045	1630191	0.000
		Forest Fire	36	0	0	0	119.790
		Transport	2	0	0	0	0.000
		Other	0	0	0	0	0.000
		Wild life	0	0	0	0	0.000
Total			**121**	**340**	**37.045**	**1630191**	**119.790**
4	Sironcha	Illicit felling	110	372	676.909	2362665	0.000
		Forest Fire	62	0	0	0	247.600
		Transport	2	0	0	0	0.000
		Other	1	0	0	0	0.000
		Wild life	0	0	0	0	0.000
Total			**175**	**372**	**676.909**	**2362665**	**247.600**
4	Grand Total	Illicit felling	593	2582	1594.237	9966163	0.000
		Forest Fire	229	0	0	0	690.918
		Transport	12	0	0	0	0.000
		Other	8	0	0	0	0.000
		Wild life	3	0	0	0	0.000
Total			**845**	**2582**	**1594.237**	**9966163**	**690.918**

Appendix No. XIII (A)

Statement of individual/community rights given under FRA

No individual/community rights recognized under FRA during previous management plan.

Appendix No. XIII (B)

Statement on community forest resources rights given under FRA

No community forest resources rights recognized under FRA during previous management plan.

Appendix No. XIII (C)

Statement on forest lands diverted under section 3(2) of the FRA

No forest land diverted under 3(2) of FRA during previous management plan.

Appendix No. XIV

Statement on WBI

Govt sawmill Allapalli is being operated by FDCM

Appendix No. XV

List of forest blocks / reserve forest with notification – register of reserves

Nil

Appendix No. XVI

Range wise abstract of 1/5th boundary demarcation program.

Year	Range	Total Boundry to be demarcated/ maintained/ in Kms.	No. of Pillers A. Grade	No. of Pillers B. Grade
1	*2*	*3*	*4*	*5*
2025-26 And 2030-31	Allapalli	14.16		
	Aheri	8.05		
	Jimalgatta	23.49		
	Sironcha	19.78		
Total		**65.48**	**655**	**655**
2026-27 And 2031-32	Allapalli	13.33		
	Aheri	9.33		
	Jimalgatta	40.03		
	Sironcha	23.63		
Total		**86.32**	**863**	**863**
2027-28 And 2032-33	Allapalli	12.72		
	Aheri	8.03		
	Jimalgatta	23.32		
	Sironcha	21.14		
Total		**65.21**	**652**	**652**
2028-29 And 2033-34	Allapalli	16.1		
	Aheri	9.01		
	Jimalgatta	38.08		
	Sironcha	18.47		
Total		**81.66**	**816**	**816**
2029-30 And 2034-35	Allapalli	16.73		
	Aheri	9.57		
	Jimalgatta	44.85		
	Sironcha	31.43		
Total		**102.58**	**1025**	**1025**
Grand Total		**401.25**	**4011**	**4011**

Appendix No. XVII

Statement on the free grants given to the beneficiaries

Nil

Appendix No. XVIII

INDICATIVE MAPS ARE ATTACHED SEPERATLY

Appendix No. XIX

Result of Stock Map

Range	Area in Ha.	Teak Plantation SIte Quality							Natural Mixed Site Quality						Under Stocked	Scrub forest	Water body	Blank Area	Other area rocky, eroded, road colony tower line etc	Total
		II	II/III	III	III/IV	IV	New Plantation (2016 to 2024)	Total	II	II/III	III	III/IV	IV	Total						
Allapalli	4905.509	15.25	123.552	2025.222	722.872	0	177.991	**3064.887**	0	0	862.049	288.038	0	**1150.087**	258.15	0	0	219.78	212.605	**4905.509**
Aheri	5283.89	7.8	1553.526	923.274	0	0	740.584	**3225.184**	0	0	1446.311	392.919	0	**1839.23**	82.386	0	0	47.56	89.53	**5283.89**
Jimalgatta	8241.987	23.09	960.013	1898.963	196.96	0	187.28	**3266.306**	0	548.365	1924.494	443.685	39.59	**2995.514**	1035.616	0	204.51	634.76	105.281	**8241.987**
Sironcha	6980.48	0	2398.185	992.333	358.303	0	0	**3748.821**	0	612.341	362.241	376.337	606.359	**1957.278**	236.455	744.33	0	0	293.596	**6980.48**
Total	**25411.866**	**46.14**	**5035.276**	**5839.792**	**1278.135**	**0**	**1105.855**	**13305.198**	**0**	**1160.706**	**4595.095**	**1500.979**	**645.949**	**7942.109**	**1612.607**	**744.33**	**204.51**	**902.1**	**701.012**	**25411.866**

Appendix No. XX

1/5th Boundary pillar Schedule

Year	Range	Total Boundary to be demarcated/ maintained/ in Kms.	No. of Pillers A. Grade	No. of Pillers B. Grade	Expenditure Required (including Alignment & Cleaning) (Rs. in lac)	Required Man-days
1	*2*	*3*	*4*	*5*	*6*	*7*
2025-26 And 2030-31	Allapalli	14.16				
	Aheri	8.05				
	Jimalgatta	23.49				
	Sironcha	19.78				
Total		**65.48**	**655**	**655**		
2026-27 And 2031-32	Allapalli	13.33				
	Aheri	9.33				
	Jimalgatta	40.03				
	Sironcha	23.63				
Total		**86.32**	**863**	**863**		
2027-28 And 2032-33	Allapalli	12.72				
	Aheri	8.03				
	Jimalgatta	23.32				
	Sironcha	21.14				
Total		**65.21**	**652**	**652**		
2028-29 And 2033-34	Allapalli	16.1				
	Aheri	9.01				
	Jimalgatta	38.08				
	Sironcha	18.47				
Total		**81.66**	**816**	**816**		
2029-30 And 2034-35	Allapalli	16.73				
	Aheri	9.57				
	Jimalgatta	44.85				
	Sironcha	31.43				
Total		**102.58**	**1025**	**1025**		
Grand Total		**401.25**	**4011**	**4011**		

Appendix No. XXI
Area allotted to various Working Circle

Range	Compt. No.	Area in Ha.	TPMWC		CWC		PWC	Total	Bamboo Overlapping Area Available	Remark
			Type-A	Type-B	Type-A	Type-B				
ALAPALLI	1	219.825	106.585	40.000	0.000	0.000	73.240	219.825	0.000	
	2	345.602	162.000	68.000	0.000	0.000	115.602	345.602	0.000	
	5	389.154	250.284	55.000	0.000	0.000	83.870	389.154	0.000	
	6	305.343	221.250	55.000	0.000	0.000	29.093	305.343	0.000	
	13	359.037	243.406	40.000	0.000	0.000	75.631	359.037	0.000	
	16	542.441	383.182	45.000	0.000	0.000	114.259	542.441	0.000	
	17	401.772	306.570	30.000	0.000	0.000	65.202	401.772	0.000	
	18	430.748	299.480	55.000	0.000	0.000	76.268	430.748	0.000	
	19	185.155	124.710	26.000	0.000	0.000	34.445	185.155	0.000	
	20	326.015	133.577	68.000	0.000	0.000	124.438	326.015	0.000	
	22	221.653	150.769	18.000	0.000	0.000	52.884	221.653	0.000	
	24	191.450	91.450	62.000	0.000	0.000	38.000	191.450	0.000	
	21/25	278.135	158.543	14.000	0.000	0.000	105.592	278.135	0.000	
	7	425.891	258.431	52.000	0.000	0.000	115.460	425.891	0.000	
	27	259.808	172.850	29.000	0.000	0.000	57.958	259.808	0.000	
	28	23.480	0.000	0.000	0.000	0.000	23.480	23.480	0.000	
Allapalli Total		**4905.509**	**3063.087**	**657.000**	**0.000**	**0.000**	**1185.422**	**4905.509**	**0.000**	
AHERI	1	178.433	126.321	24.560	0.000	0.000	27.552	**178.433**	0.000	
	2	187.210	33.719	30.310	50.000	70.181	3.000	**187.210**	0.000	
	3	249.885	96.715	31.353	60.000	58.817	3.000	**249.885**	0.000	
	4	349.520	207.369	80.553	0.000	0.000	61.598	**349.520**	0.000	
	5	445.236	272.010	60.233	0.000	0.000	112.993	**445.236**	0.000	
	6	165.397	129.436	30.000	0.000	0.000	5.961	**165.397**	0.000	
	7	198.450	30.122	36.280	0.000	0.000	132.048	**198.450**	0.000	

	12	329.655	205.293	59.000	0.000	0.000	65.362	**329.655**	0.000	
	23	284.080	187.563	53.702	0.000	0.000	42.815	**284.080**	0.000	
	24	188.667	135.950	26.200	0.000	0.000	26.517	**188.667**	0.000	
	99	379.316	286.950	44.940	0.000	0.000	47.426	**379.316**	0.000	
	100	457.008	301.602	84.251	0.000	0.000	71.155	**457.008**	0.000	
	192	38.373	19.000	0.000	0.000	0.000	19.373	**38.373**	0.000	
	202	133.772	79.632	1.925	0.000	0.000	52.215	**133.772**	0.000	
	46	253.738	191.040	32.985	0.000	0.000	29.713	**253.738**	0.000	
	47	250.905	179.990	47.297	0.000	0.000	23.618	**250.905**	0.000	
	48	234.718	159.498	51.120	21.600	0.000	2.500	**234.718**	0.000	
	49	293.397	189.093	76.804	0.000	0.000	27.500	**293.397**	0.000	
	19	150.660	106.915	5.350	37.895	0.000	0.500	**150.660**	0.000	
	20	141.345	104.364	36.081	0.000	0.000	0.900	**141.345**	0.000	
	21	137.200	118.020	18.480	0.000	0.000	0.700	**137.200**	0.000	
	22	236.925	68.282	38.472	128.671	0.000	1.500	**236.925**	0.000	
Aheri Total		**5283.890**	**3228.884**	**869.896**	**298.166**	**128.998**	**757.946**	**5283.890**	0.000	
Jimalgatta	55	396.900	176.450	39.970	110.000	0.000	70.480	396.900	94.770	Hilly Area
	57	443.385	305.000	55.500	0.000	50.000	32.885	443.385	0.000	
	58	374.633	172.050	47.878	23.000	83.500	48.205	374.633	0.000	
	59	114.210	76.600	17.700	15.000	0.000	4.910	114.210	0.000	
	67	212.625	187.830	22.800	0.000	0.000	1.995	212.625	0.000	
	263	21.421	0.000	0.000	0.000	0.000	21.421	21.421	0.000	Depot & Colony
	264	49.499	0.000	0.000	0.000	45.000	4.499	49.499	0.000	Old Nursery
	330	191.187	116.000	24.120	20.000	19.000	12.067	191.187	0.000	
	332	217.171	0.000	28.785	0.000	37.750	150.636	217.171	0.000	
	333	262.627	0.000	0.000	0.000	0.000	262.627	262.627	0.000	
	335	200.330	116.500	25.530	0.000	56.000	2.300	200.330	0.000	
	336	341.563	276.153	42.003	0.000	10.000	13.407	341.563	0.000	

	337	209.046	34.540	12.040	0.000	0.000	162.466	209.046	0.000	
	338	218.530	64.148	29.147	72.000	0.000	53.235	218.530	0.000	
	84	494.910	127.700	24.300	151.047	0.000	191.863	494.910	0.000	Hilly Area
	1	309.015	0.000	0.600	0.000	0.000	308.415	309.015	0.000	Hilly Area
	2	99.630	0.000	14.944	0.000	0.000	84.686	99.630	0.000	Hilly Area
	5	139.390	0.000	18.400	0.000	0.000	120.990	139.390	120.990	Hilly Area
	7	177.390	0.000	20.310	0.000	0.000	157.080	177.390	157.060	Hilly Area
	18A	532.575	0.000	28.905	110.000	102.540	291.130	532.575	0.000	Hilly Area
	61	238.140	125.140	31.461	0.000	65.220	16.319	238.140	0.000	
	62	148.635	92.340	19.495	35.000	0.000	1.800	148.635	0.000	
	63	186.300	119.090	25.755	15.000	0.000	26.455	186.300	0.000	
	64	155.520	105.650	16.520	0.000	0.000	33.350	155.520	0.000	
	65	281.070	0.000	37.560	75.000	115.500	53.010	281.070	0.000	
	68	247.050	0.000	20.766	82.000	92.000	52.284	247.050	0.000	
	78	368.550	77.200	60.282	200.000	0.000	31.068	368.550	0.000	
	79	624.915	409.155	75.137	86.378	0.000	54.245	624.915	12.500	
	80	392.445	261.920	57.610	22.730	0.000	50.185	392.445	71.600	
	81	593.325	347.600	85.475	0.000	42.000	118.250	593.325	105.732	
Jimalgatta Total		**8241.987**	**3191.066**	**882.993**	**1017.155**	**718.510**	**2432.263**	**8241.987**	**562.652**	
Sironcha	267	273.375	0.000	26.895	0.000	25.000	221.480	273.375	0.000	
	268	180.225	0.000	30.600	0.000	50.000	99.625	180.225	0.000	
	269	170.505	0.000	24.150	0.000	20.000	126.355	170.505	0.000	
	270	180.630	0.000	34.670	0.000	70.000	75.960	180.630	0.000	
	271	155.520	0.000	18.000	0.000	50.000	87.520	155.520	0.000	
	272	253.935	0.000	30.510	0.000	60.000	163.425	253.935	0.000	
	273	307.395	0.000	24.600	0.000	50.000	232.795	307.395	0.000	
	237	246.645	66.460	27.660	130.000	0.000	22.525	246.645	125.000	
	236	214.145	175.430	33.867	0.000	0.000	4.848	214.145	50.000	

	278	243.405	218.705	23.200	0.000	0.000	1.500	243.405	80.000	
	199	156.330	104.629	26.565	0.000	0.000	25.136	156.330	30.000	
	197	196.020	137.773	28.651	20.000	0.000	9.596	196.020	50.000	
	196	176.175	106.750	30.550	30.000	0.000	8.875	176.175	70.000	
	195	153.900	89.300	17.380	0.000	30.000	17.220	153.900	0.000	
	279	271.755	172.280	32.700	50.000	0.000	16.775	271.755	0.000	
	299	350.730	264.755	45.975	40.000	0.000	0.000	350.730	50.000	
	235	158.760	122.180	36.000	0.000	0.000	0.580	158.760	0.000	
	296	234.090	154.138	57.504	0.000	0.000	22.448	234.090	50.000	
	280	162.810	125.060	17.750	20.000	0.000	0.000	162.810	50.000	
	281	290.790	136.990	13.800	140.000	0.000	0.000	290.790	100.000	
	282	208.575	130.775	27.000	0.000	0.000	50.800	208.575	0.000	
	233	216.270	158.384	17.280	30.000	0.000	10.606	216.270	25.000	
	234	275.805	243.449	31.200	0.000	0.000	1.156	275.805	30.000	
	200	147.015	128.145	18.514	0.000	0.000	0.356	147.015	0.000	
	232	232.470	170.757	30.876	0.000	0.000	30.837	232.470	0.000	
	202	266.085	216.562	35.440	0.000	0.000	14.083	266.085	0.000	
	207	85.050	53.342	14.100	0.000	0.000	17.608	85.050	0.000	
	208	119.070	98.750	17.700	0.000	0.000	2.620	119.070	0.000	
	209	150.255	110.723	38.537	0.000	0.000	0.995	150.255	0.000	
	210	149.040	121.435	7.762	0.000	0.000	19.843	149.040	0.000	
	204	165.240	136.599	28.641	0.000	0.000	0.000	165.240	0.000	
	227	133.650	118.136	15.514	0.000	0.000	0.000	133.650	0.000	
	228	119.070	106.000	11.545	0.000	0.000	1.525	119.070	0.000	
	230	199.260	0.000	26.400	0.000	40.000	132.860	199.260	0.000	
	285	136.485	91.814	11.020	20.000	0.000	13.651	136.485	0.000	
Sironcha Total		**6980.480**	**3759.321**	**912.556**	**480.000**	**395.000**	**1433.603**	**6980.480**	**710.000**	
Grand Total		**25411.866**	**13242.358**	**3322.445**	**1795.321**	**1242.508**	**5809.234**	**25411.866**	**1272.652**	

Appendix No. XXII

Total Employment Generation & Expenditure during year last five years

Sr. No.	Financial Year	Total man days	Expenditure
1	2019-20	109778	11782012
2	2020-21	129242	55618423
3	2021-22	248310	110683516
4	2022-23	116882	66425677
5	2023-24	136377	80043921
GRAND TOTAL :-		**1333450**	**673217944**

Appendix No. XXIII

Statement showing the Financial Outlays

Code	Particulars	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	Total
1	2	3	3	3	3	3	3	3	3	3	3	3
1	**Income from the Forestry Operation**											
1.01	**TPMWC**	3331.82	3165.37	2403.99	2180.63	2331.91	4007.19	3848.75	2988.34	2663.50	2803.12	**29724.62**
1.02	**CWC**	1754.42	1770.53	1862.83	2162.64	2158.82	1859.17	2258.70	1923.99	2230.46	2089.71	**20071.27**
1.03	**Protection WC.**											
1.04	**Bamboo**	21.67	19.71	21.11	25.09	22.82	24.43	29.03	26.42	28.28	33.62	**252.18**
2.00	**Income from other sources**											
2.01	**Other Misc. Receipt**	20.00	22.00	25.00	27.00	30.00	32.00	35.00	37.00	40.00	42.00	**310.00**
Total Sources income		**5127.91**	**4977.61**	**4312.93**	**4395.36**	**4543.55**	**5922.79**	**6171.48**	**4975.75**	**4962.24**	**4968.45**	**50358.07**
3.00	**REVENUE EXPENDITURE**											
3.01	**Thinning (TPMWC)**											
3.01.01	Wages	481.05	457.09	347.21	315.41	338.16	582.83	561.79	437.88	392.32	415.18	**4328.91**
3.01.02	Salary & Allowances	317.00	349.00	384.00	422.00	464.00	510.00	561.00	617.00	679.00	747.00	**5050.00**
3.01.03	Material & Other	59.46	56.49	42.91	38.98	41.80	72.03	69.44	54.12	48.49	51.31	**535.03**
3.02	**CWC**											
3.02.01	Wages	194.07	198.03	210.75	247.56	250.13	218.08	268.33	231.53	271.99	258.28	**2348.73**
3.02.02	Salary & Allowances	185.00	204.00	224.00	246.00	271.00	298.00	328.00	361.00	397.00	437.00	**2951.00**
3.02.03	Material & Other	10.21	10.42	11.09	13.03	13.16	11.48	14.12	12.19	14.32	13.59	**123.62**
	BOWC											
	Wages	13.19	11.77	12.36	14.42	12.87	13.52	15.76	14.06	14.77	17.22	**139.95**
	Material & Other	1.80	1.61	1.69	1.97	1.75	1.84	2.15	1.92	2.01	2.35	**19.08**
3.07	Staff welfare (Reward, Scholarship etc.)	0.30	0.31	0.32	0.33	0.34	0.35	0.36	0.37	0.38	0.40	**3.46**

3.08	Salary of Office Staff (Common)	70.00	77.00	85.00	94.00	103.00	113.00	124.00	136.00	150.00	165.00	**1117.00**
3.13	Travelling Expenses	11.00	12.00	13.00	14.00	15.00	17.00	19.00	21.00	23.00	25.00	**170.00**
3.15	Rates & Taxes	1.50	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.50	2.50	**19.50**
3.16	Advertisement	0.40	0.50	0.60	0.70	0.80	0.90	1.00	1.10	1.20	1.30	**8.50**
3.17	Books & Periodical	0.10	0.12	0.15	0.17	0.20	0.22	0.23	0.25	0.27	0.30	**2.01**
3.18	Printing & Stationery	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	9.00	**63.00**
3.19	Postage & Telegram	1.00	1.10	1.20	1.30	1.40	1.50	1.60	1.70	1.80	2.00	**14.60**
3.20	Office Expenses	13.00	14.00	15.00	17.00	19.00	21.00	23.00	25.00	28.00	31.00	**206.00**
3.21	Training & Research Expenses	2.00	3.00	3.40	4.00	4.50	5.00	5.50	6.00	6.50	7.00	**46.90**
3.22	Uniform Expenses	3.50	3.50	3.50	4.00	4.00	4.00	4.00	4.50	4.50	4.50	**40.00**
3.23	Insurance of Assets	1.50	1.50	2.00	2.00	2.00	2.50	2.50	3.00	3.00	3.00	**23.00**
3.24	Repairs & Maintenance of Building	28.00	31.00	34.00	37.00	41.00	45.00	50.00	55.00	61.00	67.00	**449.00**
3.25	Repairs & Maintenance of Vehicle	15.00	17.00	19.00	21.00	23.00	25.00	28.00	31.00	34.00	37.00	**250.00**
3.31	Legal Expenses	0.50	0.70	0.75	0.75	1.00	1.00	1.00	1.50	1.50	2.00	**10.70**
3.33	Sports & other Celebration Days	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.70	**4.30**
3.37	Compensation for Wildlife Attack	25.00	25.00	25.00	25.00	50.00	50.00	50.00	50.00	50.00	50.00	**400.00**
3.38	Workman Compensation	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	1.00	1.00	**6.00**
Total Revenue Expenditure		**1439.27**	**1481.89**	**1444.23**	**1528.97**	**1667.01**	**2003.70**	**2140.78**	**2076.67**	**2197.14**	**2350.63**	**18330.29**
8.02	**CAPITAL EXPENDITURE UNDER ONGOING TEAK PLANTATION**											
8.02.02	Wages											
8.04.02	Salary & Allowances	155.00	171.00	188.00	207.00	228.00	251.00	276.00	304.00	334.00	367.00	**2481.00**
8.02.03	Material & Other											
8.03	**CAPITAL OUTLAY UNDER MANAGEMENT PLAN (MANDATORY) PLANTATIONS PROGRAMME**											
8.03.01	Wages	275.00	292.00	383.00	382.00	398.00	367.00	590.00	383.00	610.00	416.00	**4096.00**
8.03.02	Salary & Allowances	52.00	57.00	63.00	69.00	76.00	84.00	92.00	101.00	111.00	122.00	**827.00**
8.03.03	Material & Other	15.00	15.00	18.00	18.00	19.00	18.00	29.00	18.00	29.00	20.00	**199.00**

8.04	**ESTT. & MAINTENANCE OF NURSERIES**											
8.04.01	Wages	33.00	36.00	40.00	44.00	48.00	53.00	58.00	64.00	70.00	77.00	**523.00**
8.04.02	Salary & Allowances	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	**65.00**
8.04.03	Material & Other	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	17.00	19.00	**128.00**
8.06	**PURCHASES OF FIXED ASSET**											
8.06.01	Vehicles											
8.06.02	Furniture & Fittings	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	**57.50**
8.06.03	Office Equipment	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	**47.50**
8.06.04	Computers/Laptop Software development etc.	3.50	4.00	4.00	4.50	5.00	5.50	6.00	6.50	7.00	8.00	**54.00**
8.06.05	Plant & Machinery											
8.07	**BUILDINGS/LAND AND OTHER RELATED ITEMS (INCLUDING SPECIAL REPAIRS ETC.)**											
8.07.01	Residential											
8.07.02	Non-Residential	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	20.00	**146.00**
8.07.03	Roads	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	**125.00**
8.11	4th & 7th Year Cleaning	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	**245.00**
8.13	Boundary Demarcation	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	
8.14	**FIRE PROTECTION MEASURES**											
8.14.01	Wages	38.00	42.00	46.00	51.00	56.00	62.00	68.00	75.00	83.00	91.00	**612.00**
8.14.02	Material & Other	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	**95.00**
8.15	Seed Collection Expenses	28.00	31.00	34.00	37.00	41.00	45.00	50.00	55.00	61.00	67.00	**449.00**
TOTAL CAPITAL EXPENDITURE		**661.50**	**717.00**	**852.00**	**895.50**	**961.00**	**982.50**	**1273.00**	**1117.50**	**1424.00**	**1296.00**	**10150.00**
TOTAL EXPENDIATURE (REVENUE + CAPITAL)		**2100.77**	**2198.89**	**2296.23**	**2424.47**	**2628.01**	**2986.20**	**3413.78**	**3194.17**	**3621.14**	**3646.63**	**28480.29**
SURPLUS FOR FINANCIAL YEAR		**3027.14**	**2778.72**	**2016.70**	**1970.89**	**1915.54**	**2936.59**	**2757.70**	**1781.58**	**1341.10**	**1321.82**	**21877.78**
TOTAL OUTLAYS		**5127.91**	**4977.61**	**4312.93**	**4395.36**	**4543.55**	**5922.79**	**6171.48**	**4975.75**	**4962.24**	**4968.45**	**50358.07**

Appendix No. XXIV

Instructions of Thinning

FOREST DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED.

(Govt. of Maharashtra Enterprise)

Regd.Office: "Rawel Plaza" Plot No. 12, Kadbi Chowk, Kamptee Road Nagpur 400004

No.: PLN/05/FIII/2874 Nagpur, Dated 2/9/1999

To,
The Regional Manager (All)
WFP & A forestation Region,
F.D.C.M. Ltd.,

Sub:- Procedure for carrying out second and subsequent thinning in teak plantations raised by complete removal of over wood

In supersession of previous instructions issued in this behalf, second and all subsequent thinning shall be carried out in all the teak plantations raised by the Forest Development Board/F.D.C.M. Ltd., by complete removal of over wood in the manner herein after provided.

I. Revised Thinning Schedule.

(a) It has been decided to carry out thinning when the running age of the teak stand is a multiple of 5 years. As all the stands up to the age of 15 years have been thinned not more than once as per earlier instructions, the thinning to be done in the plantations in the 15th year of age (at the end of the growing season) shall be called second thinning. Accordingly, third, fourth, fifth and sixth thinning would be carried out in 20th, 25th, 30th and 35th years of age respectively.

(b) In view of the previous instructions where second thinning was prescribed in the 8th year after first thinning and the duration of first thinning in the plantation of the same year in a project division itself ranged from 8th year to 13th year of age, the second thinning was required to be done over a period of 5 years in the ages ranging from 16th year to 21st year in different portions of the plantation of the same year. As a result, all subsequent thinning as well have to remain spread over a period of 5 years. This indeed,

complicate the process of monitoring of the execution of thinning works in field as well as the actual yield obtained at a particular age of the crop.

(c) Therefore, in order to rationalize the thinning regime and to simplify the monitoring of yield actually obtained in various thinning, the second thinning proposed to be carried out in the 15th of age shall be carried out irrespective of the age at which the crop was thinned first. This is to ensure that all subsequent thinning are carried out in one year only after a fixed interval of 5 years over the entire area of the plantation of the same year. Presuming that the first thinning was done in the age of 10 years, then the second thinning of 1982 plantation becomes due in the year 1999-2000 i.e. in the 18th year as per previous instructions, while second thinning of 1985 plantation becomes due during 1999-2000 as per these instructions. Since, further delay in thinning the plantations of 1982, 1983 and 1984 are injurious to the crop, the work of second thinning in these Plantations will have to be taken up during 1999-2000 only treating the same as "arrear" work. Therefore, these plantations of 1982, 1983 and 1984 would be worked in the years 2001-02, 2002-03 and 2003-04 for third thinning respectively when each of them becomes 20 years old. Although nothing much is expected to be available for removal specially from the plantations of 1982 and 1983 at the time of third thinning, but the enumeration figures and the data with regard to basal area and volume per ha. Collected in the 20th year (at the time of third thinning) is bound to give us idea whether the crop is developing in the right direction as a result of the treatment given at the time of second thinning as per these instructions.

(d) The revised schedule of thinning is given in Appendix-I. However, the decision of rotation would be taken in near future.

II. **Demarcation of the area.**

Before commencing the works related to thinning, boundary of each section of the plantation shall be verified. Repairs of existing demarcation stones/ marks shall be carried out, and if required, new boundary marks would be fixed as per.

III. **Cleanings:-**

(a) A cleaning is an operation made in a young crop in order to remove any growth interfering with the proper development of the principal species. As a result of long neglect in carrying out cleaning operations properly and timely in the past, it is noticed that many of 20-30 years old plantations are also infested with profuse growth of undesirable tolerant species both of seed and coppice origin. It is essential to remove this undergrowth for better aeration and also to facilitate the deposition of all accruable annual increment only on the potential individuals preferably selected from the planted crop. Therefore, cleaning to the extent necessary as may be determined by the Divisional Manager shall precede all thinning. Following rules must be followed in cleanings.-

(i) Tolerant species like Garadi capable of capturing the site shall be felled wherever found. Other inferior species including bamboo interfering or likely to interfere with the proper growth of teak shall be felled.

(ii) Damaged or badly shaped trees of coppice origin shall be cut back.

IV. **Climber Cutting** :-

(i) Climber cutting is a work which requires to be carried out systematically and shall be done prior to every thinning. Small climbers should, if possible, be pulled up by the roots and large ones should be cut in two places, once near the ground, and again at a height equal to breast height. Large creepers that trail along the ground and have thrown out roots must be cut above and below each point at which such roots exist, also, cut ends of large climbers should not be left lying in contact with the ground, as they are very liable then to throw out roots from the cut surface and so to continue growing.

(ii) All subordinates should take every opportunity to cut climbers when met with. If the Divisional Manager observes climbers uncut, he will have reasons to consider that there is serious slackness in the Range.

V. **Stock Mapping and Demarcation of Site Quality-wise area on the ground** :-

(a) For species like teak in which there is a great difference between the rates of growth in different site qualities, it is useful to make a stock map by site qualities so that different treatment is given to the plantations in different site qualities in order to get the best rate of growth in each quality class. For this purpose, the area shall be traversed by the marking officer in parallel lines 20 meters apart and at every 20 meters distance along the line, height of dominant trees shall be estimated or calculated with the help of FDCM Site Quality Meter (Teak) or any other instrument and recorded on the map in 4 inchs = mile scale (1:15840 scale) of the plantation (sketch of which on butter paper shall be with the officer in the field.) The age of the plantation being known, site qualities shall be determined with the help of the table showing "top height by site quality and age" for each square and entered. The quality class boundaries shall then be drawn on the map and demarcated on the ground accordingly by putting a coal tar band on breast height. While moving in parallel lines, features like natural blanks and presence of natural or planted bamboo should also be noted down and shown in the map. Details of signs and colours to be used for showing above mentioned features are given in Appendix-II.

(b) This exercise shall be done only once and shall remain valid throughout the life of the stand. All prescription related to future thinning shall be based upon these stock maps only.

VI. **Selection and Demarcation of Sample Plots**. :-

Sample plots as per following rules shall be laid in each site quality area and at least one sample plot shall be laid in every section of the plantation. It is hardly necessary to say that the sample plots should be as nearly as practicable a true representative of the crop. Hence, before selecting it, the officer should go over the whole crop, so that its average character may become clearly impressed upon his mind.

(i) No sample plot shall be selected on the edge of the crop.

(ii) On slopes presenting a wide range of elevation, or in crops, offering a variety of aspects and soils, several sample plots judiciously distributed should be selected.

(iii) The form of the sample plot should be a long rectangle.

(iv) The boundary of the sample plot should be clearly marked by blazing the trees immediately outside, or by splashing them with white wash.

(v) The aggregate area of the sample plot should be from 3 to 5% at least of the total area of the crop in that site quality class.

(vi) As crops are young and more or less uniform having large number of stems per hectare a sample plot having as area of around 0.20 ha. may suffice. However in old or mature crops, no sample plot should be less than 0.4 ha. In extent, which as a general rule should be 1 to 1.5 ha.

(vii) In the crops of large area, several plots of 0.2 to 0.4 ha. each is preferable to a single large plot.

VII. **Enumeration Survey of the Crop in the Sample plots** :-

(a) The enumeration survey should be affected over successive narrow strips, each strip being gone over once and, in a direction, opposite to that in which the immediately preceding strip has been surveyed. On steep slopes it is convenient to run the strips horizontally and to begin at the bottom of the slope. The measure equipped with tailor's tape shall call out the figures of over bark girth read which would at once be noted in the field book by the recorder. As the survey progresses the trees measured are immediately marked with a clearly visible blaze which should not, however, be deep enough to expose the wood. In order to make blaze, each measurer should be provided with a light short-handled axe. The blaze should be made on the side opposite the area still remaining to be surveyed, so that when the next strip is being surveyed the men can at once recognize up to what point the strip just completed extends. Trees should be given serial

numbers on the blaze by pencil in the order in which the measurements are recorded. It must be borne in mind that enumeration in the sample plot has to be done for the entire growing stock which also includes dead trees, all trees of coppice origin and fruit trees etc. Left un-felled at the time or clear felling or which have come up subsequently. In short, no tree of the height above breast height should be left out or ignored in the enumeration.

(b) By the method or point sampling, the existing average basal area per hectare in each sample plot shall also be measured by using a Wedge Prism of suitable Basal Area Factor (BAF). For out purpose, where we aim at reasonable accuracy, and also taking in to account the convenience in the field, a Wedge Prism of BAF-I whose least count is 0.5 sq.mt./ha. would be use after recording basal area per hectare at suitable number of points, average for the sample plot should be computed and recorded.

(c) Form of the field book given in Appendix-III shall be used for recording the measurements referred to in sub-Para (a) and (b) above.

(d) After recording the over bark girth measurements as above, sample plot wise abstract shall be –prepared in Form 3 appended to these instructions.

(e) It should be noted that the abstract of enumeration in all the thinning areas shall be prepared in the girth classes starting from 0/10 cm., 11/15 cm., 16/25 cm., 26/35 cm., 36/45 cm. and thereafter at an interval of 15 cm. i.e. 46/60 cm., 61/75 cm., 76/90 cm., 91/105 cm. and so on till the girth of largest tree measured is taken care of. Classification in these girth classes must be strictly adhered to as the stand tables have been recast according to these girth classes only.

VIII. **Computation of Actual Growing Stock and Application of Yield and Stand Tables**

:(a) As for day today works Quarter Volume is used, the actual volume of the growing stock per hectare based on Quarter Girth formula shall now be computed with the help of the per hectare enumeration figures obtained from the measurements taken in

the sample plots and the Local Volume Table (Quarter Girth) given in the working plan of the concerned Territorial Division. If round volume is given in the working plan, it should be ensured that the same is converted into Quarter Girth Volume before use. However in the absence of any reliable local volume table, following table showing quarter girth volume may be used. The volume indicated is the volume of stem timber (under bark) and that of shall wood (over bark) measurement recorded inclusive of bark.

Girth Classes Over Bark	**Volume in Cubic Meter for Teak Site Quality.**			
(in cm)	***I and I/II***	***II and II/III***	***III***	***III/V & IV***
00-10	0	0	0	0
10-15	0	0	0	0
15-25	0-01	0-008	0-006	0-003
25-35	0-04	0-04	0-035	0-033
35-45	0-075	0-07	0-065	0-06
45-60	0-155	0-155	0-15	0-14
60-75	0-26	0-25	0-24	0-23
76-90	0-38	0-37	0-365	0-365
90-105	0-58	0-57	0-0565	0-555
105-120	0-84	0-835	0-83	0-82
120-135	1.1	1.06	1.05	1.03
135-150	1.41	1.35	1.3	1.26
150-165	1.77	1.65	1.55	1.46
165-180	2.15	2.02	1.85	1.64
180-195	2.65	2.48	1.85	1.64
195-210	3.22	3.00		
210-225	3.8	3.5		
225-240	4.5			
240-255	5.3			
255-270	6.2			

(b) Average basal area per hectare as computed in col. 7 of item (8) of the form 3 shall be compared with the figures contained in the yield table in respect of that site quality and age. If the actual basal area measured exceeds, then it would indicate need for thinning in the crop necessitating the removal of basal area to the extent the actual basal

area exceeds the basal area given in the Yield Table. If it equals or falls short, then it would indicate that no thinning is needed in the crop.

(c) After applying the test as mentioned in sub-para (b) above, if the crop needs thinning, then the thinning shall be carried out keeping in view the distribution of stems per hectare in various girth classes as contained in the Stand Table (Main Crop) for that particular site quality and age.

(d) For this, the figures from the Yield Table and from the Stand Table in respect of relevant site quality and age shall be reproduced as provided in item (9) of form 3 and girth class wise comparison of number of stems actually present with that required as per Stand Table shall be done. Following principle should be followed for taking decision as to how many stems in different girth classes would be retained after thinning in the crop.

(i) When in any girth class, actual population of stems is found to be equal or less than that given in Stand Table, no removal in that girth class shall be affected and all existing trees shall be retained irrespective of the fact whether they are of coppice origin or of inferior miscellaneous species. However dead and top broken trees shall be removed for they have special reasons.

(ii) If actual population of stems in a girth class is found to be more than that given in the Stand Table, the excess number of stems in that girth class are liable to be removed keeping the number of stems to be retained in that girth class equal to the population given in the Stand Table. However, if shortage of stems in next higher girth classes were found and as a result, less number of stems are being retained in those girth classes, the number of stems to be retained in this girth class shall be increased by the number it is falling short in the higher girth class. Thus, in short, total number of stems per hectare to

be retained shall be equal to that given in the Stand Table, (of course, provided

that the actual total), but the shortage in higher girth classes shall be compensated by increasing equal number of stems in the lower girth classes where excess population was found. There may be instances where although actual total population per hectare is more than that desired, shortage of stems is occurring in lower girth classes as well. In that case, the shortage of lower girth classes shall be compensated by increasing the number in the next higher girth classes to that extent.

(iii)After it is decided, as to how many numbers of trees per hectare are to be retained and those to be removed in different girth classes, the marking for removal in that girth class shall be affected in the following order.

(i) First, non-teak coppice shall be marked irrespective of species till all are marked.

(ii) Then teak coppice shall be marked till all are marked.

(iii) Thereafter non-teak trees of seed origin shall be marked for felling. However, trees of Shisam, Bija, Semal (of seed origin) shall not be marked for felling besides fruit bearing trees like Awala, Mahua, and Charoli etc. for any reason whatsoever. They shall be retained in excess of the desired population of the growing stock.

(iv) Then teak trees of seed origin would be taken up for marking.

(v) Keeping the principles as prescribed above in clauses, (i), (ii) and (iii), detailed instructions as to how many trees of teak, non-teak including coppice, if any, and teak coppice shall be marked for felling and how many trees would constitute the residual crop after thinning shall be respectively recorded in items

10 and 11 of Form 3, and communicated to the marking officer by the Divisional Manager in writing.

IX **Inspection of marking** :-

After the marking for thinning in the crop is over, the inspecting officer must measure the basal area per hectare (with the help of a wedge prism of BAF-1) of the crop by point sampling as if the trees marked are already felled. In other words, while measuring the basal area, the trees marked shall not be counted whether they fall in the category of "full tally" or "half tally" if the basal area so measured is within around or 0.5 sq. mt. per ha. (i.e. equal to the least count of the wedge prism) of that given in the Yield Table for that particular site quality and age, then the marking done can be approved. If the basal area so measured exceeds 0.5 Sq. meters Per hectare, then some more marking of trees (to the extent basal area exceeds) will have to be done. If it falls short, then marking of trees (to the extent basal area falls short) will have to be cancelled. This will help in ensuring that the thinning is carried on as far as possible to the extent as provided in the Yield Table. Normally if the marking is correctly done, the residual basal area per hectare will automatically tally. However, as a result of retention of equal number of stems in lower classes in lieu of shortage in higher classes, the residual volume after thinning is likely to be less than that given in the Yield Table. Accordingly in such cases, the basal area of the residual crop is also likely to be less than that given with Yield Table. This has to be a normal feature and should not form basis for reducing the number of stems already decided to be removed.

X. **General.**

(a) The marking officer shall not be an officer below the rank of Range Forest Officer, and inspecting officer shall not be an officer below the rank of Assistant Manager.

(b) While marking trees, a blaze shall be made just above the breast height, marking hammer shall be stamped on the mark trees as may be directed by the

Regional Managers. Thereafter a geru band shall be given to on the marked trees at breast height.

(c) No material shall be moved from the stump site without affixing mark of felling hammer on the stump as well as the piece of timber on both cut ends.

(d) Divisional Managers and Regional Managers shall inspect at least 20% and 5% of the marked area in the Division and the Region, respectively before the execution of felling works.

(e) These instructions are not applicable to the teak plantation raised without complete removal of over wood e.g. Enrichment Plantation. WLDP Teak plantations over zone III planted under FP-I model of Maharashtra Forestry Project and old unattended Teak plantations raised by Forest Department.

XI. **Maintenance of records. :-**

Maintenance of records is a very essential part of Forest Management. This gives us a great deal of information to assess the impact of various treatments given to the crop in the past which in turn helps in taking decision for its future management in this regard following instructions should be followed.

Separate records shall be maintained for each year of plantation in a Project Division.

(a)The records shall inter-alia be consist of the following.

(i) Index map showing location and extent of the plantation preferably in the scale of 50000.

(ii) Stock map by site quality as prepared vide Para V (a) of these instructions Compartment and section boundaries shall be distinctly shown in the map.

(iii) Statement in form 1 appended to these instructions showing section wise distribution of the plantation area into various site quality classes.

(iv) Information in respect of all cleanings shall be maintained in form 2 appended to this instruction.

(v) Section-wise following information shall be maintained in form 3 appended to these instructions which shall be for each of the site quality existing in the section.

(1) Plot wise abstract of enumeration figures, quarter girth volume of the growing stock in the plot and average of the basal area measured in the plot. (Item 7)

(2) Abstract showing per hectare average of the enumeration figures (based on all the plots), volume of growing stock and basal area. (Item 8)

(3) Per hectare Stand Table figures (Item 9)

(4) Girth class wise number of stems per hectare proposed to be felled together with volume. (item 10)

(5) Girth class wise number of stems per ha proposed to be retained together with volume. (Item 11)

(6) Girth class wise number of stems proposed to be retained in the entire plantation as residual crop together with volume. (Item 13)

(vi) Control form shall be maintained in form 4 appended to these instructions.

(vii) Statement of out turn shall be maintained in form 5 appended to these instructions.

XII. These instructions shall come into force from 1999-2000 working year and shall be applied in the field only after receipt of approval of the deviation proposals, arising out of these instructions, by the competent authority.

Enclosures: 1) Appendix 1 to III

2) Forms 1 to 5.

Sd/- x x x

F.D.C.M. Ltd., Nagpur

Copy along with enclosures forwarded to D.Ms.(all), independent Project Sub Divisions, Sectional Heads (all), F.D.C.M. Ltd., Nagpur for information and necessary action.

Enclosures: 1) Appendix 1 to III

2) Forms 1 to 5.

Sd/- x x x

F.D.C.M. Ltd., Nagpur

* As all the Teak Plantations with the Company right from 1970 have been more or less regularly thinned though not according to the Yield Table, it should be safe to apply Yield Table for their future thinning, even if the yield actually obtained would not match. However, in case of such old plantation (like those raised by the Forest Department in the past and are in the possession of the Company) which have not been regularly thinned, the application of Yield Table as such must be avoided. Such plantations would be thinned following entirely different procedure.

APPENDIX NO. XXV

Statement showing the sequence of annual coupes allotted to Teak plantation management working circle (Type-A)

Plantation Year	Range	Felling Series	Comptt. No.	Planted Area	Thinning Area in Ha.	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2025	Aheri	Zamela	49	28.700	28.700										I
2025	Jimalgatta	Jimalgatta	84	35.600	35.600										I
2025		Karancha	78	36.700	36.700										I
				101.000	**101.000**										
2024	Allapalli	Nagepalli	7	11.600	11.600									I	
2024	Aheri	Zamela	49	29.500	29.500									I	
2024	Aheri	Zamela	47	33.700	33.700									I	
2024	Jimalgatta	Jimalgatta	55	29.700	29.700									I	
2024		Karancha	84	34.500	34.500									I	
				139.000	**139.000**										
2023	Allapalli	Nagepalli	7	27.000	27.000								I		
2023	Aheri	Zamela	47	35.000	35.000								I		
2023	Aheri	Zamela	48	29.600	29.600								I		

2023	Jimalgatta	Jimalgatta	55	38.200	38.200								I		
2023	Jimalgatta	Karancha	84	37.600	37.600								I		
				167.400	**167.400**										
2022	Allapalli	Nagepalli	7	57.000	57.000							I			
2022	Aheri	Zamela	47	36.300	36.300							I			
2022	Aheri	Zamela	49	34.000	34.000							I			
2022	Jimalgatta	Jimalgatta	55	20.000	20.000							I			
2022	Jimalgatta	Karancha	84	20.000	20.000							I			
2022	Jimalgatta	Raspalli	78	20.500	20.500							I			
				187.800	**187.800**										
2021	Allapalli	Tanbodi	6	28.550	28.550						I				
2021			7	61.831	61.831						I				
2021	Aheri	Zamela	46	46.340	46.340						I				
2021		Zamela	49	34.653	34.653						I				
				171.374	**171.374**										
2020	Allapalli	Tanbodi	6	70.200	70.200					I					II
2020	Aheri	Zamela	46	50.700	50.700					I					II

2020		Zamela	47	38.000	38.000					I					II
				158.900	**158.900**										
2019	Allapalli	Tanbodi	6	77.000	77.000				I					II	
2019	Aheri	Tumarguda	21	43.400	43.400				I					II	
2019		Zamela	48	29.830	29.830				I					II	
				150.230	**150.230**										
2018	Allapalli	Tanbodi	5	80.000	80.000			I					II		
2018	Aheri	Tumarguda	20	25.360	25.360			I					II		
2018		Zamela	46	47.000	47.000			I					II		
				152.360	**152.360**										
2017	Allapalli	Tanbodi	5	74.184	74.184		I					II			
2017	Aheri	Tumarguda	20	25.774	25.774		I					II			
2017	Aheri	Chandra	22	28.526	28.526		I					II			
2017	Aheri	Zamela	46	47.000	47.000		I					II			
				175.484	**175.484**										
2015	Allapalli	-	7	28.000	28.000	I					II				
2016		Tanbodi	1	47.800	47.800	I					II				

2015	Aheri		21	12.030	12.030	I					II				
2015			3	25.000	25.000	I					II				
2016		Tumarguda	19	26.978	26.978	I					II				
2016		Tumarguda	21	34.590	34.590	I					II				
2016		Chandra	22	29.756	29.756	I					II				
2016		Zamela	47	36.990	36.990	I					II				
2015	Sironcha		210	46.790	46.790	I					II				
				287.934	**287.934**										
2014	Allapalli	-	7	29.000	29.000				II					III	
2014	Aheri	Zamela	48	30.350	30.350				II					III	
2014		Zamela	49	16.000	16.000				II					III	
2014		Tumarguda	19	40.937	40.937				II					III	
2014	Sironcha	-	210	24.670	24.670				II					III	
2014		-	233	22.850	22.850				II					III	
				163.807	**163.807**										
2013	Aheri	Tumarguda	20	28.800	28.800			II					III		
2013	Sironcha	Kopela	204	13.000	13.000			II					III		

				41.800	**41.800**										
2012	Aheri	Zamela	48	35.000	35.000		II					III			
2012	Sironcha	Somanpalli	197	15.000	15.000		II					III			
2012	Sironcha	Kopela	204	56.750	56.750		II					III			
				106.750	**106.750**										
2011	Aheri	Zamela	49	21.240	21.240	II					III				
2011	Jimalgatta	Jimalgatta	58	20.000	20.000	II					III				
2011		Jimalgatta	63	16.000	16.000	II					III				
2011		Jimalgatta	62	9.550	9.550	II					III				
2011	Sironcha	Kopela	202	27.735	27.735	II					III				
				94.525	**94.525**										
2010	Allapalli	Nagepalli	7	20.000	20.000					III					IV
2010	Aheri	Tumarguda	21	28.000	28.000					III					IV
2010	Jimalgatta	Jimalgatta	58	15.300	15.300					III					IV
2010		Jimalgatta	62	14.450	14.450					III					IV
2010	Sironcha	Somanpalli	196	10.750	10.750					III					IV
2010		Kopela	228	20.000	20.000					III					IV

				108.500	**108.500**										
2009	Aheri	Zamela	49	15.000	15.000				III					IV	
2009		Tumarguda	19	39.000	39.000				III					IV	
2009		Tumarguda	20	24.430	24.430				III					IV	
2009	Sironcha	Somanpalli	196	40.000	40.000				III					IV	
2009		Somanpalli	197	30.000	30.000				III					IV	
				148.430	**148.430**										
2008	Aheri	Zamela	49	10.000	10.000			III					IV		
2008	Sironcha	Somanpalli	280	24.700	24.700			III					IV		
2008		Somanpalli	196	43.500	43.500			III					IV		
				78.200	**78.200**										
2007	Jimalgatta	Jimalgatta	58	81.500	81.500		III					IV			
2007	Jimalgatta	Raspalli	79	10.000	10.000		III					IV			
2007	Jimalgatta	Dechali	80	20.000	20.000		III					IV			
2007	Sironcha	Somanpalli	280	35.000	35.000		III					IV			
2007	Sironcha	Somanpalli	196	12.500	12.500		III					IV			
				159.000	**159.000**										

2006	Allapalli	Tanbodi	2	16.000	16.000	III					IV				
2006	Jimalgatta	Raspalli	79	50.000	50.000	III					IV				
2006	Sironcha	Somanpalli	299	30.000	30.000	III					IV				
2006	Sironcha	Somanpalli	199	5.000	5.000	III					IV				
2006	Sironcha	Kopela	200	10.000	10.000	III					IV				
				111.000	**111.000**										
2005	Allapalli	Tanbodi	6	30.000	30.000					IV					V
2005	Jimalgatta	Jimalgatta	58	60.000	60.000					IV					V
2005	Jimalgatta	Raspalli	79	28.000	28.000					IV					V
2005	Sironcha	Somanpalli	299	40.000	40.000					IV					V
2005	Sironcha	Kopela	210	25.000	25.000					IV					V
2005	Sironcha	Kopela	228	13.000	13.000					IV					V
2005	Sironcha	Kopela	285	44.000	44.000					IV					V
				240.000	**240.000**										
2004	Aheri	Zamela	48	34.718	34.718				IV					V	
2004	Jimalgatta	Jimalgatta	58	25.500	25.500				IV					V	
2004	Jimalgatta	Palameta	338	19.548	19.548				IV					V	

2004	Jimalgatta	Dechali	18	30.000	30.000				IV					V	
2004	Jimalgatta	Raspalli	79	30.555	30.555				IV					V	
2004	Jimalgatta	Raspalli	80	33.820	33.820				IV					V	
2004	Sironcha	Somanpalli	296	9.105	9.105				IV					V	
2004	Sironcha	Somanpalli	299	20.275	20.275				IV					V	
2004	Sironcha	Kopela	209	9.895	9.895				IV					V	
2004	Sironcha	Kopela	285	36.314	36.314				IV					V	
				249.730	**249.730**										
2003	Jimalgatta	Dechali	18	15.600	15.600			IV					V		
2003	Sironcha	Somanpalli	296	31.585	31.585			IV					V		
2003		Kopela	209	14.940	14.940			IV					V		
				62.125	**62.125**										
2002	Sironcha	Somanpalli	296	15.048	15.048		IV					V			
2002		Kopela	209	53.158	53.158		IV					V			
				68.206	**68.206**										
2001	Sironcha	Golagudam	272	25.000	25.000	IV					V				
				25.000	**25.000**										

1996	Allapalli	Nagepalli	27	15.000	15.000	V					VI				
				15.000	**15.000**										
1994	Allapalli	Tanbodi	2	25.000	25.000				VI					VII	
				25.000	**25.000**										
1993	Aheri	Pranhita	192	19.000	19.000			VI					VII		
				19.000	**19.000**										
1987	Allapalli	Tanbodi	1	36.915	16.935		VII					VIII			
1987	Allapalli	Tanbodi	2	99.900	76.464		VII					VIII			
1987	Allapalli	Tanbodi	5	96.100	96.100		VII					VIII			
1987	Allapalli	Tanbodi	6	15.500	15.500		VII					VIII			
1987	Allapalli	Tanbodi	22	37.195	21.101		VII					VIII			
1987	Allapalli	Tanbodi	24	6.950	3.000		VII					VIII			
1987	Allapalli	Tanbodi	21/25	18.000	8.000		VII					VIII			
1987	Allapalli	Nagepalli	7	24.000	24.000		VII					VIII			
1987	Aheri	Chandra	100	56.830	5.000		VII					VIII			
1987	Jimalgatta	Palameta	330	3.000	3.000		VII					VIII			
1987	Jimalgatta	Palameta	338	9.000	9.000		VII					VIII			

1987	Jimalgatta	Raspalli	78	6.000	6.000		VII					VIII			
1987	Jimalgatta	Raspalli	79	14.600	14.600		VII					VIII			
1987	Jimalgatta	Raspalli	80	2.000	2.000		VII					VIII			
1987	Sironcha	Kopela	209	2.000	2.000		VII					VIII			
1987	Sironcha	Kopela	227	0.300	0.300		VII					VIII			
1987	Sironcha	Kopela	228	9.250	9.250		VII					VIII			
1987	Sironcha	Kopela	285	11.500	11.500		VII					VIII			
				449.040	**323.750**										
1986	Allapalli	Tanbodi	1	78.670	43.650	VII					VIII				
1986	Allapalli	Tanbodi	2	83.000	44.536	VII					VIII				
1986	Allapalli	Tanbodi	22	146.574	129.668	VII					VIII				
1986	Allapalli	Tanbodi	24	106.500	88.450	VII					VIII				
1986	Allapalli	Tanbodi	21/25	135.393	88.543	VII					VIII				
1986	Aheri	Chandra	23	20.000	20.000	VII					VIII				
1986	Aheri		5	62.575	13.000	VII					VIII				
1986	Jimalgatta	Jimalgatta	67	9.000	9.000	VII					VIII				
1986	Jimalgatta	Palameta	330	132.000	113.000	VII					VIII				

1986	Jimalgatta	Raspalli	79	263.500	263.500	VII					VIII				
1986	Jimalgatta	Raspalli	80	30.500	30.500	VII					VIII				
1986	Sironcha	Kopela	209	11.800	11.800	VII					VIII				
1986	Sironcha	Kopela	210	24.975	24.975	VII					VIII				
1986	Sironcha	Kopela	227	35.296	35.296	VII					VIII				
1986	Sironcha	Kopela	228	63.750	63.750	VII					VIII				
				1203.533	**979.668**										
1985	Allapalli	Tanbodi	13	1.485	1.485					VIII					IX
1985	Aheri	Chandra	4	28.518	2.000					VIII					IX
1985	Aheri	Chandra	24	25.200	4.700					VIII					IX
1985	Aheri	Chandra	99	77.036	77.036					VIII					IX
1985	Aheri	Chandra	100	10.000	10.000					VIII					IX
1985	Jimalgatta	Jimalgatta	57	72.000	58.000					VIII					IX
1985	Jimalgatta	Raspalli	79	12.500	12.500					VIII					IX
1985	Jimalgatta	Raspalli	80	33.200	33.200					VIII					IX
1985	Sironcha	Kopela	209	12.250	12.250					VIII					IX
1985	Sironcha	Kopela	227	35.250	35.250					VIII					IX

				307.439	**246.421**										
1984	Allapalli	Tanbodi	13	8.942	8.942				VIII					IX	
1984	Allapalli	Tanbodi	16	1.970	1.000				VIII					IX	
1984	Allapalli	Tanbodi	19	6.000	4.000				VIII					IX	
1984	Aheri	Chandra	24	28.450	23.750				VIII					IX	
1984	Jimalgatta	Jimalgatta	57	30.000	25.000				VIII					IX	
1984	Jimalgatta	Raspalli	80	38.400	38.400				VIII					IX	
1984	Sironcha	Kopela	227	47.290	47.290				VIII					IX	
				161.052	**148.382**										
1983	Allapalli	Tanbodi	13	247.979	192.979			VIII					IX		
1983	Allapalli	Tanbodi	16	16.092	9.902			VIII					IX		
1983	Allapalli	Tanbodi	17	14.020	12.000			VIII					IX		
1983	Allapalli	Tanbodi	18	8.630	8.630			VIII					IX		
1983	Allapalli	Tanbodi	19	143.710	120.710			VIII					IX		
1983	Allapalli	Nagepalli	27	9.000	9.000			VIII					IX		
1983	Jimalgatta	Palameta	336	154.400	143.400			VIII					IX		
1983	Jimalgatta	Palameta	338	5.600	5.600			VIII					IX		

1983	Jimalgatta	Raspalli	80	104.000	104.000			VIII					IX		
1983	Sironcha	Kopela	207	53.342	53.342			VIII					IX		
1983	Sironcha	Kopela	208	98.750	98.750			VIII					IX		
				855.523	**758.313**										
1982	Allapalli	Tanbodi	16	69.830	65.000		VIII					IX			
1982	Allapalli	Tanbodi	17	22.200	20.000		VIII					IX			
1982	Allapalli	Tanbodi	18	319.250	290.850		VIII					IX			
1982	Allapalli	Nagepalli	27	193.850	148.850		VIII					IX			
1982	Jimalgatta	Palameta	335	90.000	54.000		VIII					IX			
1982	Jimalgatta	Palameta	336	124.753	120.753		VIII					IX			
1982	Jimalgatta	Raspalli	81	220.600	200.600		VIII					IX			
1982	Sironcha	Kopela	202	64.268	64.268		VIII					IX			
1982	Sironcha	Kopela	204	66.849	66.849		VIII					IX			
				1171.600	**1031.170**										
1981	Allapalli	Tanbodi	16	378.540	295.280	VIII					IX				
1981	Allapalli	Tanbodi	17	329.850	274.570	VIII					IX				
1981	Jimalgatta	Jimalgatta	57	8.000	8.000	VIII					IX				

1981	Jimalgatta	Palameta	332	37.750	7.750	VIII					IX				
1981	Jimalgatta	Palameta	335	82.520	62.500	VIII					IX				
1981	Jimalgatta	Palameta	337	34.540	34.540	VIII					IX				
1981	Jimalgatta	Palameta	338	30.000	30.000	VIII					IX				
1981	Jimalgatta	Raspalli	81	147.000	147.000	VIII					IX				
1981	Sironcha	Kopela	200	118.145	118.145	VIII					IX				
1981	Sironcha	Kopela	202	124.559	124.559	VIII					IX				
1981	Sironcha	Kopela	232	139.007	139.007	VIII					IX				
1981	Sironcha	Misc	282	27.322	10.357	VIII					IX				
				1457.233	**1251.708**										
1980	Allapalli	Tanbodi	20	226.083	133.577					IX					X
1980	Aheri	Chandra	99	332.950	209.914					IX					X
1980	Jimalgatta	Jimalgatta	55	84.500	84.500					IX					X
1980	Jimalgatta	Jimalgatta	57	316.000	214.000					IX					X
1980	Sironcha	Somanpalli	197	19.273	19.273					IX					X
1980	Sironcha	Somanpalli	199	41.924	41.924					IX					X
1980	Sironcha	Somanpalli	232	31.750	31.750					IX					X

1980	Sironcha	Somanpalli	233	125.034	125.034					IX					X
1980	Sironcha	Somanpalli	282	120.418	120.418					IX					X
				1297.932	**980.390**										
1979	Aheri	Chandra	4	262.526	205.369				IX					X	
1979	Aheri	Chandra	10	354.732	278.602				IX					X	
1979	Jimalgatta	Dechali	18	36.940	36.940				IX					X	
1979	Jimalgatta	Jimalgatta	61	135.040	117.040				IX					X	
1979	Jimalgatta	Jimalgatta	62	68.340	68.340				IX					X	
1979	Sironcha	Somanpalli	236	63.660	63.660				IX					X	
1979	Sironcha	Somanpalli	195	136.520	89.300				IX					X	
1979	Sironcha	Somanpalli	197	73.500	73.500				IX					X	
1979	Sironcha	Somanpalli	199	57.705	57.705				IX					X	
1979	Sironcha	Somanpalli	234	26.449	26.449				IX					X	
				1215.412	**1016.905**										
1978	Aheri	Chandra	5	357.065	259.010			IX					X		
1978	Aheri	Chandra	12	265.999	205.293			IX					X		
1978	Aheri		22	10.000	10.000			IX					X		

1978	Aheri	Chandra	23	106.797	92.617			IX					X		
1978	Jimalgatta	Jimalgatta	63	128.000	103.090			IX					X		
1978	Jimalgatta	Jimalgatta	64	119.000	105.650			IX					X		
1978	Sironcha	Somanpalli	235	10.000	10.000			IX					X		
1978	Sironcha	Somanpalli	281	7.000	7.000			IX					X		
1978	Sironcha	Somanpalli	296	7.000	7.000			IX					X		
1978	Sironcha	Somanpalli	236	113.770	111.770			IX					X		
1978	Sironcha	Somanpalli	234	194.000	194.000			IX					X		
				1318.631	**1105.430**										
1977	Aheri	Chandra	1	149.170	126.321		IX					X			
1977	Aheri	Chandra	2	153.900	33.719		IX					X			
1977	Aheri	Chandra	6	16.000	16.000		IX					X			
1977	Aheri	Chandra	23	125.838	74.946		IX					X			
1977	Aheri	Chandra	24	158.836	107.500		IX					X			
1977	Aheri	Pranhita	202	118.359	79.632		IX					X			
1977	Sironcha	Somanpalli	235	112.180	112.180		IX					X			
1977	Sironcha	Somanpalli	237	21.460	21.460		IX					X			

1977	Sironcha	Somanpalli	278	138.705	138.705		IX					X			
1977	Sironcha	Somanpalli	279	70.020	70.020		IX					X			
1977	Sironcha	Somanpalli	280	65.360	65.360		IX					X			
1977	Sironcha	Somanpalli	281	117.990	117.990		IX					X			
1977	Sironcha	Somanpalli	296	111.400	91.400		IX					X			
1977	Sironcha	Somanpalli	234	23.000	23.000		IX					X			
				1382.218	**1078.233**										
1976	Aheri	Chandra	3	200.532	96.715	IX					X				
1976	Aheri	Chandra	6	27.000	25.347	IX					X				
1976	Aheri	Chandra	7	145.700	30.122	IX					X				
1976	Jimalgatta	Jimalgatta	67	160.130	151.130	IX					X				
1976	Sironcha	Somanpalli	237	45.000	45.000	IX					X				
1976	Sironcha	Somanpalli	278	80.000	80.000	IX					X				
1976	Sironcha	Somanpalli	279	57.000	57.000	IX					X				
1976	Sironcha	Somanpalli	299	32.000	32.000	IX					X				
				747.362	**517.314**										
1975	Aheri	Chandra	6	88.089	88.089					X					XI

1975	Jimalgatta	Jimalgatta	59	76.600	76.600					X					XI
1975	Jimalgatta	Jimalgatta	67	27.700	27.700					X					XI
1975	Sironcha	Somanpalli	299	68.800	68.800					X					XI
				261.189	**261.189**										
1970	Allapalli	Tanbodi	16	14.000	12.000					XI					
1970	Aheri	Chandra	100	8.000	8.000					XI					
1970	Jimalgatta		78	20.000	20.000					XI					
				42.000	**40.000**										
1969	Allapalli	Tanbodi	13	50.000	40.000				XI					XII	
				50.000	**40.000**										
1967	Sironcha	Somanpalli	299	38.460	38.460		XI					XII			
				38.460	**38.460**										
1966	Sironcha	Somanpalli	279	20.240	20.240	XI					XII				
				20.240	**20.240**										
1965	Allapalli	Tanbodi	21/25	48.000	48.000					XII					XIII
1965	Sironcha	Somanpalli	299	10.120	10.120					XII					XIII
				58.120	**58.120**										

1964	Allapalli	Tanbodi	21/25	24.000	14.000				XII					XIII	
1964	Jimalgatta	Palameta	336	12.000	12.000				XII					XIII	
1964	Sironcha	Somanpalli	279	19.020	19.020				XII					XIII	
				55.020	**45.020**										
1963	Sironcha	Somanpalli	279	6.000	6.000			XII					XIII		
				6.000	**6.000**										
1962	Jimalgatta	Jimalgatta	58	21.000	21.000		XII					XIII			
1962	Sironcha	Somanpalli	281	12.000	12.000		XII					XIII			
				33.000	**33.000**										
1961	Jimalgatta	Jimalgatta	55	4.050	4.050	XII					XIII				
				4.050	**4.050**										
1959	Jimalgatta	Jimalgatta	61	4.050	4.050				XIII					XIV	
1959	Sironcha	Somanpalli	299	25.100	25.100				XIII					XIV	
				29.150	**29.150**										
1958	Jimalgatta	Jimalgatta	61	4.050	4.050			XIII					XIV		
				4.050	**4.050**										
1952	Sironcha	Somanpalli	209	6.680	6.680		XIV								

Statement showing the sequence of annual coupes allotted to Teak plantation management working circle (Type-B)

Sr. No.	Plantation Year	Range	Comptt. No.	Planted Area	Thinning Area in Ha.	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17
1	1962	Sironcha	281		13.800			13.800							
2	1975	Jimalgatta	59		17.700					17.700					
3	1976	Aheri	3		31.353						31.353				
4	1976	Aheri	7		36.280						36.280				
5	1976	Jimalgatta	67		22.800						22.800				
6	1976	Sironcha	237		27.660						27.660				
7	1976	Sironcha	278		23.200						23.200				
8	1976	Sironcha	299		45.975						45.975				
9	1977	Aheri	1		24.560								24.560		
10	1977	Aheri	2		30.310								30.310		
11	1977	Aheri	6		30.000								30.000		
12	1977	Aheri	24		26.200								26.200		
13	1977	Sironcha	235		36.000								36.000		
14	1977	Sironcha	296		57.504								57.504		
15	1977	Sironcha	280		17.750								17.750		
16	1977	Sironcha	234		31.200								31.200		
17	1978	Aheri	5		60.233									60.233	
18	1978	Aheri	12		59.000									59.000	
19	1978	Aheri	23		53.702									53.702	
20	1978	Jimalgatta	63		25.755									25.755	
21	1978	Jimalgatta	65		37.560									37.560	
22	1978	Sironcha	236		33.867									33.867	
23	1978	Sironcha	196		30.550									30.550	
24	1979	Aheri	4		80.553										80.553
25	1979	Jimalgatta	1		0.600										0.600
26	1979	Jimalgatta	2		14.944										14.944

27	1979	Jimalgatta	5		18.400										18.400
28	1979	Jimalgatta	7		20.310										20.310
29	1979	Jimalgatta	18A		28.905										28.905
30	1979	Jimalgatta	61		31.461										31.461
31	1979	Jimalgatta	62		19.495										19.495
32	1979	Jimalgatta	68		20.766										20.766
33	1979	Sironcha	197		28.651										28.651
34	1979	Sironcha	195		17.380										17.380
35	1980	Allapalli	20		68.000	68.000									
36	1980	Aheri	100		84.251	84.251									
37	1980	Jimalgatta	55		39.970	39.970									
38	1980	Jimalgatta	57		55.500	55.500									
39	1980	Sironcha	282		27.000	27.000									
40	1980	Sironcha	233		17.280	17.280									
41	1980	Sironcha	232		30.876	30.876									
42	1981	Aheri	99		44.940		44.940								
43	1981	Jimalgatta	332		28.785		28.785								
44	1981	Jimalgatta	335		25.530		25.530								
45	1981	Jimalgatta	337		12.040		12.040								
46	1981	Jimalgatta	338		29.147		29.147								
47	1981	Sironcha	200		18.514		18.514								
48	1981	Sironcha	202		35.440		35.440								
49	1982	Allapalli	16		45.000			45.000							
50	1982	Allapalli	17		30.000			30.000							
51	1982	Allapalli	18		55.000			55.000							
52	1982	Allapalli	27		29.000			29.000							
53	1982	Jimalgatta	81		85.475			85.475							
54	1982	Sironcha	230		26.400			26.400							
55	1983	Allapalli	13		40.000				40.000						
56	1983	Jimalgatta	336		42.003				42.003						
57	1983	Sironcha	270		34.670				34.670						
58	1983	Sironcha	271		18.000				18.000						

59	1983	Sironcha	273		24.600				24.600						
60	1983	Sironcha	207		14.100				14.100						
61	1983	Sironcha	208		17.700				17.700						
62	1984	Sironcha	227		15.514					15.514					
63	1986	Allapalli	1		40.000							40.000			
64	1986	Allapalli	24		62.000							62.000			
65	1986	Allapalli	21/25		14.000							14.000			
66	1986	Jimalgatta	330		24.120							24.120			
67	1986	Sironcha	268		30.600							30.600			
68	1986	Sironcha	269		24.150							24.150			
69	1986	Sironcha	228		11.545							11.545			
70	1987	Allapalli	2		68.000								68.000		
71	1987	Allapalli	5		55.000								55.000		
72	1987	Allapalli	6		55.000								55.000		
73	1987	Jimalgatta	78		60.282								60.282		
74	1987	Sironcha	285		11.020								11.020		
75	1989	Allapalli	19		26.000										26.000
76	1993	Aheri	202		1.925				1.925						
77	1993	Sironcha	279		32.700				32.700						
78	1994	Sironcha	267		26.895					26.895					
79	1995	Allapalli	22		18.000						18.000				
80	1997	Jimalgatta	64		16.520								16.520		
81	2001	Sironcha	272		30.510		30.510								
82	2004	Aheri	48		51.120					51.120					
83	2004	Sironcha	209		38.537					38.537					
84	2006	Sironcha	199		26.565							26.565			
85	2007	Jimalgatta	79		75.137								75.137		
86	2007	Jimalgatta	80		57.610								57.610		
87	2008	Jimalgatta	58		47.878									47.878	
88	2009	Aheri	49		76.804										76.804
89	2009	Aheri	19		5.350										5.350
90	2010	Allapalli	7		52.000	52.000									

91	2010	Aheri	21		18.480	18.480									
92	2013	Aheri	20		36.081				36.081						
93	2013	Sironcha	204		28.641				28.641						
94	2014	Sironcha	210		7.762					7.762					
95	-	Aheri	46		32.985			32.985							
96	-	Aheri	47		47.297						47.297				
97	-	Aheri	22		38.472							38.472			
98	-	Jimalgatta	84		24.300		24.300								
					3322.445										

Appendix No. XXVI

Accompaniment of the Managing Director, Forest Development Corporation of Maharashtra Limited, Office letter no. Pln/26/(2001-02)/5154 dated 4th Feb., 2002.

Instructions for working in the Conversion Working Circle in relation to complete removal of over wood.

In supersession of the instruction issued vide this office letter no. PLN/26(2001-02) 4959 dated 21.1.2002, following instruction as approved by the Enforcing Committee in their meeting held in Nagpur on 31.01.2002 are being issued for regenerating the area with teak by removal of over wood.

1. Demarcation of Area: -

1.1 *Demarcation of Coupe:* - The area to be worked called "Coupe" shall be demarcated in advance of it's working. All along the periphery of the coupe to be worked, a strip of natural forest of 20 meters width called coupe line shall be demarcated by giving two coal tar bands and a red paint band in between on selected trees at suitable intervals. Before giving bands, the loose dead bark will be scrapped. All trees so marked should be visible from one another.

1.2 Demarcation of Sections: -

a) Coupe due for working shall be divided into suitable sections. The average size of a section shall be about 15 hectares. No section should be of less than 10 hectares or more than 20 hectares. The sections so formed should be convenient from all aspects especially for transport. Full use of existing roads, Nala, cart tracts should be made use of as far as possible in forming sections.

b) A strip of existing forest of minimum 5 meters width shall be demarcated giving one band with red paint at the breast height and a cross mark above it on selected trees at

suitable intervals on both edges of the strip separating two sections called sections lines. All trees so marked should be visible from one another.

c) While laying and demarcating section lines, as per Para (b) above, wherever possible, groups of young pole crop of seed origin of teak, Semal, Khair, rose-wood and other superior miscellaneous species shall be included in the section lines to avoid its sacrifice while removing the over wood. If required, width of section lines may suitably be increased for the purpose.

2. **Preparation of stock map and treatment map.**

1.3 Preparation of stock map: - After demarcation the whole area of the coupe shall be thoroughly inspected by the Divisional Manager to ensure that the section lines have been properly laid and the width of coupe line and section line is as per prescriptions. Stock map for the entire coupe will be prepared in the 1:15000 scale (or in 1:25000 scale, wherever maps of this scale are available) using conventional signs and depicting the following information.

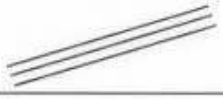
(i) Crown density.

(ii) Site quality.

(iii) Preponderance of species.

(iv) Existence or other wise of Bamboo.

Compartment and Section boundaries shall be distinctly shown in the Stock map. The signs and colors to be used for showing site quality and other features in the stock map is given below.

Sr. No.	Site quality	Sign	Description
1	2	3	4
1	I		Single vertical line.
2	I/II		Single vertical lines crossed by double small horizontal lines.
3	II		Double horizontal lines.
4	II/III		Double horizontal lines crossed by triple small vertical lines.
5	III		Triple diagonal lines running from south-west to north-east.
6	III/IV		Diagonals crossed hatched.
7	IV		Vertical crosshatched.

Colours of the above lines shall be as follows:-

(i) Moist / Dry deciduous Teak forests ..... BLUE

(ii) Moist / Dry deciduous Miscellaneous forests ..... CARMINE

The areas with Bamboo shall be shown on the map; in the following manner:--

(i) Bamboo (Fully stocked) ..... Black diagonal continuous Lines running from north- west to south-east.

(ii) Bamboo (Under-stocked) ..... Black diagonal dotted Lines running from north- west to south-east.

2.2 Preparation of Treatment map :--

a) After the stock map has been prepared, section wise treatment map of the entire area will be prepared on graph paper in 1: 5000 scale. The entire area of the coupe shall be divided into grids of size not bigger than 100 x 100 m. (1 ha.) after taking base line that should, as far as possible, run through the centre of the section. The grids so made shall be duly numbered and pegs shall be erected at the corners of the grid. The gridlines shall be shown on the map.

b) Thereafter, the following areas shall be shown on the map :-

(i) All areas having more than 25 degree slope (47 %)

(ii) 20 meters wide strip of forest along both sides of main water course and well defined nalas. (These may from coupe lines/section lines wherever possible).

c) The following area shall also be shown on the map if the extent of such area is 0.5 ha or more.

(i) Heavily eroded areas and areas having exposed rock ..... ☐

(To be shown by black dots and the heaviness of the erosion will be shown by concentration of dots)

(ii) Patches of poorly stocked forests because of edaphic factors (Lemon yellow wash) ..... ☐

(iii) Heavily water logged and blank areas unfit for teak plantations. (To be shown by black dashes) ..... ☐

(iv) Site Quality IV Areas.

No felling shall be carried out in the areas mentioned under (b) and (c) above. Such areas shall be demarcated on the ground as well.

d) All areas of coupe line and section lines containing existing forest will be shown on the map.

e) In the remaining area, the following information shall be recorded and maintained for each grid.

(i) Average height of dominant mature teak trees and, if teak is absent, then Bija, Haldu, Ain, Kalam, Semal, or Dhawda. (in case a tree of none of the above species is found in a quadrant, the quality class of the adjoining quadrant should be adopted.)

(ii) 100 % species wise enumeration of the growing stock in uniform girth classes of 15 cm starting from 15 cm.

(iii) Average basal areas per hectare.

(iv) Remarks about fitness of area for teak plantation (use symbol F, wherever the area is fit for teak plantation and symbol U, wherever the area is unfit for teak plantation).

3. **Determination of areas fit for removal of over wood.**

a) First, average crop girth (O.B.) of the forest in the remaining area is referred to in Para 2.2 (e) shall be determined for each grid separately according to the following formula.

Crop girth = 2 x square root of (π x B/N)

Crop girth in cm = 250 x square root of (B/N)

Where "B" represents average basal area per ha and "N" represents average number of trees per ha in the crop excluding advance growth. The basal area may be measured with the help of Wedge Prism of suitable BAF (Basal Area Factor) or computed by summing up the cross sectional areas of the individual trees based on over bark girth measurements. Trees up to 30 cm, 45 cm, and 60 cm girth (O.B.) in the Teak site quality up to III, II/III & I, and I/II & I

respectively shall be treated as advance growth for the purpose and would not be considered for determining either the value of "B" or "N".

b) The average Crop Girth so computed shall be compared with the Critical Crop Girth (CCG) as given in the table below. No grid shall be selected for the purpose of removal of over wood if its average Crop Girth (O.B.) is less than the Critical Crop Girths as given in Col. 5 of the table in respect of areas of teak site quality mentioned against them in Col. 3 which correspond to the average height of dominant mature teak trees (if teak is absent, then Bija, Haldu, Ain, Kalam, and Semal) in the crop as given in Col. 2. These Critical Crop Girths relate to high forests only. The proportion of Teak, Bija, Ain, Haldu and Kalam in the crop, as mentioned in Col. 4, will be calculated after excluding the advance growth. Only such grids which have forests of crop girths equal to or more than the value of Critical Crop Girth for that site quality and composition of species shall be considered to be mature and would qualify for the operation of removal of over wood for artificial regeneration by teak.

TABLE

Sr. No.	Average height of dominant mature trees in the crop	Corresponding all India teak site quality	Proportion of Teak, Bija, Ain, Haldu and Kalam in the crop	Critical Crop Girth.
1	Up to 21 meters	Up to III	More than 40%	70 cm
2	Up to 21 meters	Up to III	20% to 40%	60 cm
3	Up to 21 meters	Up to III	Below 20%	50 cm
4	21 to 27 meters	II/III, II	More than 40%	85 cm
5	21 to 27 meters	II/III, II	20% to 40%	75 cm
6	21 to 27 meters	II/III, II	Below 20%	65 cm
7	Above 27 meters	I/II, I	More than 40%	110 cm
8	Above 27 meters	I/II. I	20% to 40%	95 cm
9	Above 27 meters	I/II, I	Below 20%	80 cm

Grids which are found fit for teak plantations and also qualifying the above test shall be washed with light green colour on the treatment map and the periphery of the entire area shall be shown by continuous cobalt blue thick line.

c) The minimum unit for giving separate treatment shall be 2 ha.

4. **Method of Executing Felling: -**

Marking rules for felling are: -

a) In grids shown on the treatment map found fit inter aria as determined after applying the test contained in Para 3(b), marking for felling the entire crop shall be done after reserving.

(i) All young to middle aged fruit bearing trees up to 20 trees/ha. If fruit trees are not available, the required number shall be completed from miscellaneous trees. For the purpose of retention, priority shall be given to established fruit trees preferably in 30 cm to 90 cm girth class. The trees so retained should be, as far as possible, uniformly spread over the area.

(ii) Young to middle aged trees of Semal, Khair, Rose wood and other superior miscellaneous species up to 20 trees/ha uniformly spread over the area. For the purpose of retention, priority shall be given to established trees preferably in 30 cm to 60 cm girth class.

(iii) All Kullu, Mahua, Chinch and Mango trees irrespective of age against felling throughout the area.

b) In addition, no marking for felling shall be done in all areas of coupe line and section lines containing existing forests shall be done where it is on the sides of water course of well-defined Nalas. However, at other places, improvement felling including removal of dead and hollow trees, and those which are likely

to fall shall be done. Crooked and unsound advance growth of teak shall be cut back.

c) No marking for felling shall be done in heavy water-logged areas that are unfit for teak plantation. If the area is otherwise fit for planting, the blanks shall be planted with Arjun, Ain and other suitable species.

d) In the balance area, the grids having forest which fail to qualify the test contained in Para 3 (b) or otherwise found unfit for teak plantation shall be given the treatment as prescribed in b) above. In addition to this, badly grown and unsound tree shall be marked for felling and the reproduction of shade intolerant species like Teak, Bija, Shisam, Semal and other superior miscellaneous species shall be free from shade of Bamboo and other inferior trees. All climbers shall be cut.

5. **Fire Protection Measures** :--

All along the inner edge of the section line a strip of 5 meters width shall be left at the time of planting for maintaining it as fire line.

Managing Director.

- Constituted by the Managing Director, Forest Development Corporation of Maharashtra Limited Vide his letter No. PLN/NC/15 (2000-01)/4504 dated 27.12.2001 in pursuance of the Government of India letter dated 26.12.2001.

Appendix No. XXVII

Sequence of working of Conversion working circle (Type A area)

Sr.No.	Range	Comptt. No.	Year of working										Total
			2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
1	2	3	4	5	6	7	8	9	10	1	12	13	14
1	Aheri	2			25.000			25.000					50.000
		3	20.000							20.000		20.000	60.000
		48		21.600									21.600
		19				37.895							37.895
		22					40.000		40.000		35.000	13.671	128.671
		Total	**20.000**	**21.600**	**25.000**	**37.895**	**40.000**	**25.000**	**40.000**	**20.000**	**35.000**	**33.671**	**298.166**
2	Alapalli												0.000
		Total	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
3	Jimalgatta	55	40.000		40.000		30.000						110.000
		58				23.000							23.000
		59						15.000					15.000
		330							20.000				20.000
		338		35.000							37.000		72.000
		84	40.000	42.000	24.047						45.000		151.047
		18A				35.000	40.000			35.000			110.000
		62										35.000	35.000
		63							15.000				15.000
		65						35.000		40.000			75.000
		68							42.000			40.000	82.000
		78	20.000		25.000	30.000		45.000	25.000	30.000		25.000	200.000
		79		25.000	20.000		25.000				16.378		86.378
		80				22.730							22.730
		Total	**100.000**	**102.000**	**109.047**	**110.730**	**95.000**	**95.000**	**102.000**	**105.000**	**98.378**	**100.000**	**1017.155**
4	Sironcha	237	30.000		40.000		30.000					30.000	130.000
		197				20.000							20.000
		196		15.000				15.000					30.000
		279							25.000		25.000		50.000

		299								40.000			40.000
		280						20.000					20.000
		281	20.000	30.000		30.000			30.000		30.000		140.000
		233					30.000						30.000
		285						10.000				10.000	20.000
		Total	**50.000**	**45.000**	**40.000**	**50.000**	**60.000**	**45.000**	**55.000**	**40.000**	**55.000**	**40.000**	**480.000**
Grand Total			**170.000**	**168.600**	**174.047**	**198.625**	**195.000**	**165.000**	**197.000**	**165.000**	**188.378**	**173.671**	**1795.321**

Sequence of working of Conversion working circle (Type B area)

Sr. No.	Range	Comptt. No.	Year of working										Total
			2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	
1	2	3	4	5	6	7	8	9	10	1	12	13	14
1	Aheri	2			30.000				25.181		15.000		70.181
		3	20.000			20.000		18.817					58.817
		Total	**20.000**	**0.000**	**30.000**	**20.000**	**0.000**	**18.817**	**25.181**	**0.000**	**15.000**	**0.000**	**128.998**
2	Alapalli												0.000
		Total	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	Jimalgatta	57	20.000		15.000			15.000					50.000
		58		20.000		20.000	20.000			23.500			83.500
		264							25.000		20.000		45.000
		330										19.000	19.000
		332						20.000				17.750	37.750
		335	20.000		20.000						16.000		56.000
		336		10.000									10.000
		18A				30.000	30.000		30.000	12.540			102.540
		61		25.000							20.000	20.220	65.220
		65	30.000		30.000	20.000		20.000		15.500			115.500
		68		20.000			30.000		20.000		22.000		92.000
		81								30.000		12.000	42.000
		79											0.000
		Total	70.000	75.000	65.000	70.000	80.000	55.000	75.000	81.540	78.000	68.970	718.510
4	Sironcha	267				25.000							25.000
		268		25.000				25.000					50.000
		269	20.000										20.000
		270			25.000		25.000					20.000	70.000
		271							25.000		25.000		50.000
		272								40.000		20.000	60.000
		273	25.000			25.000							50.000
		195		15.000					15.000				30.000
		230			15.000		15.000	10.000					40.000
		Total	**45.000**	**40.000**	**40.000**	**50.000**	**40.000**	**35.000**	**40.000**	**40.000**	**25.000**	**40.000**	**395.000**
		G. T.	**135.000**	**115.000**	**135.000**	**140.000**	**120.000**	**108.817**	**140.181**	**121.540**	**118.000**	**108.970**	***1242.508***

Appendix No. XXVIII

Year wise forecast of expenditure on Teak Plantation

year	Particular	Year of plantation	Area in Ha	Rate/Ha	Amount in Lakh	Mandays Generated
2025-26	PPO+FYO	2025	300.300	97816.48	293.75	47959
	S.Y.O.	2024	309.350	41962.38	129.81	26364
	T.Y.O.	2023	325.350	23700.44	77.11	15719
	Fourth Y.O	2022	215.100	14190.63	30.52	6222
	Fifth Y.O	2021	201.800	8647.42	17.45	3557
	7 th Year	2020	341.000	5542.22	18.90	3853
		Total	**1692.900**		**567.54**	**103674**
2026-27	PPO+FYO	2026	2221.407	102707.30	2281.55	354758
	S.Y.O.	2025	300.300	44060.50	132.31	25592
	T.Y.O.	2024	309.350	24885.46	76.98	14945
	Fourth Y.O	2023	325.350	14900.16	48.48	9412
	Fifth Y.O	2022	215.100	9079.79	19.53	3792
	7 th Year	2020	193.000	5819.33	11.23	2180
		Total	**3564.507**		**2570.08**	**410679**
2027-28	PPO+FYO	2027	2044.220	107842.67	2204.54	326463
	S.Y.O.	2026	2221.407	46263.53	1027.70	189315
	T.Y.O.	2025	300.300	26129.73	78.47	14509
	Fourth Y.O	2024	309.350	15645.17	48.40	8949
	Fifth Y.O	2023	325.350	9533.78	31.02	5736
	7 th Year	2021	201.800	6110.30	12.33	2280
		Total	**5402.427**		**3402.46**	**547252**

2028-29	PPO+FYO	2028	2001.000	113234.80	2265.83	319556
	S.Y.O.	2027	2044.220	48576.71	993.01	174212
	T.Y.O.	2026	2221.407	27436.22	609.47	107324
	Fourth Y.O	2025	300.300	16427.43	49.33	8687
	Fifth Y.O	2024	309.350	10010.47	30.97	5454
	7 th Year	2022	215.100	6415.81	13.80	2430
		Total	**7091.377**		**3962.41**	**617663**
2029-30	PPO+FYO	2029	1876.330	118896.54	2230.89	299648
	S.Y.O.	2028	2001.000	51005.55	1020.62	170530
	T.Y.O.	2027	2044.220	28808.03	588.90	98764
	Fourth Y.O	2026	2221.407	17248.80	383.17	64261
	Fifth Y.O	2025	300.300	10510.99	31.56	5293
	7 th Year	2023	325.350	6736.60	21.92	3676
		Total	**8768.607**		**4277.06**	**642172**
2030-31	PPO+FYO	2030	1857.000	124841.37	2318.30	296562
	S.Y.O.	2029	1876.330	53555.83	1004.88	159906
	T.Y.O.	2028	2001.000	30248.43	605.27	96676
	Fourth Y.O	2027	2044.220	18111.24	370.23	59135
	Fifth Y.O	2026	2721.407	11036.54	300.35	47973
	7 th Year	2024	309.350	7073.43	21.88	3495
		Total	**10809.307**		**4620.92**	**663747**
2031-32	PPO+FYO	2031	1857.000	131083.44	2434.22	296560
	S.Y.O.	2030	1857.000	56233.62	1044.26	158258
	T.Y.O.	2029	1876.330	31760.85	595.94	90652
	Fourth Y.O	2028	2001.000	19016.80	380.53	57885
	Fifth Y.O	2027	2044.220	11588.37	236.89	36008
	7 th Year	2025	300.300	7427.10	22.30	3393
		Total	**9935.850**		**4714.14**	**642756**

2032-33	PPO+FYO		2032	1793.000	137637.61	2467.84	286335
	S.Y.O.		2031	1857.000	59045.30	1096.47	158255
	T.Y.O.		2030	1857.000	33348.89	619.29	89717
	Fourth Y.O		2029	1876.330	19967.64	374.66	54277
	Fifth Y.O		2028	2001.000	12167.79	243.48	35273
	7 th Year		2026	2221.407	7798.46	173.24	25097
		Total		**11605.737**		**4974.97**	**648954**
2033-34	PPO+FYO		2033	1752.000	144519.49	2531.98	279793
	S.Y.O.		2032	1793.000	61997.56	1111.62	152804
	T.Y.O.		2031	1857.000	35016.33	650.25	89718
	Fourth Y.O		2030	1857.000	20966.02	389.34	53719
	Fifth Y.O		2029	1876.330	12776.18	239.72	33075
	7 th Year		2027	2044.220	8188.38	167.39	23095
		Total		**11179.550**		**5090.30**	**632204**
2034-35	PPO+FYO		2034	1732.000	151745.46	2628.23	276596
	S.Y.O.		2033	1752.000	65097.44	1140.51	149309
	T.Y.O.		2032	1793.000	36767.15	659.23	86626
	Fourth Y.O		2031	1857.000	22014.32	408.81	53719
	Fifth Y.O		2030	1857.000	13414.99	249.12	32735
	7 th Year		2028	2001.000	8597.81	172.04	22607
		Total		**10992.000**		**5257.94**	**621592**

Appendix No. XXIX
Sequence of working of Protection working circle

Sr. No.	Range	Comptt. No.	Year of working									
			2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
1	2	3	4	5	6	7	8	9	10	11	12	13
1	**Aheri**	1	2.755	2.755	2.755	2.755	2.755	2.755	2.755	2.755	2.755	2.755
		2	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
		3	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300	0.300
		4	6.160	6.160	6.160	6.160	6.160	6.160	6.160	6.160	6.160	6.160
		5	11.299	11.299	11.299	11.299	11.299	11.299	11.299	11.299	11.299	11.299
		6	0.596	0.596	0.596	0.596	0.596	0.596	0.596	0.596	0.596	0.596
		7	13.205	13.205	13.205	13.205	13.205	13.205	13.205	13.205	13.205	13.205
		12	6.536	6.536	6.536	6.536	6.536	6.536	6.536	6.536	6.536	6.536
		23	4.282	4.282	4.282	4.282	4.282	4.282	4.282	4.282	4.282	4.282
		24	2.652	2.652	2.652	2.652	2.652	2.652	2.652	2.652	2.652	2.652
		99	4.743	4.743	4.743	4.743	4.743	4.743	4.743	4.743	4.743	4.743
		100	7.116	7.116	7.116	7.116	7.116	7.116	7.116	7.116	7.116	7.116
		192	1.937	1.937	1.937	1.937	1.937	1.937	1.937	1.937	1.937	1.937
		202	5.222	5.222	5.222	5.222	5.222	5.222	5.222	5.222	5.222	5.222
		46	2.971	2.971	2.971	2.971	2.971	2.971	2.971	2.971	2.971	2.971
		47	2.362	2.362	2.362	2.362	2.362	2.362	2.362	2.362	2.362	2.362
		48	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250	0.250
		49	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750	2.750

		19	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050	0.050
		20	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090	0.090
		21	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070	0.070
		22	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
	TOTAL		**75.795**	**75.795**	**75.795**	**75.795**	**75.795**	**75.795**	**75.795**	**75.795**	**75.795**	**75.795**
2	**Allapalli**	1	7.324	7.324	7.324	7.324	7.324	7.324	7.324	7.324	7.324	7.324
		2	11.560	11.560	11.560	11.560	11.560	11.560	11.560	11.560	11.560	11.560
		5	8.387	8.387	8.387	8.387	8.387	8.387	8.387	8.387	8.387	8.387
		6	2.909	2.909	2.909	2.909	2.909	2.909	2.909	2.909	2.909	2.909
		13	7.563	7.563	7.563	7.563	7.563	7.563	7.563	7.563	7.563	7.563
		16	11.426	11.426	11.426	11.426	11.426	11.426	11.426	11.426	11.426	11.426
		17	6.520	6.520	6.520	6.520	6.520	6.520	6.520	6.520	6.520	6.520
		18	7.627	7.627	7.627	7.627	7.627	7.627	7.627	7.627	7.627	7.627
		19	3.445	3.445	3.445	3.445	3.445	3.445	3.445	3.445	3.445	3.445
		20	12.444	12.444	12.444	12.444	12.444	12.444	12.444	12.444	12.444	12.444
		22	5.288	5.288	5.288	5.288	5.288	5.288	5.288	5.288	5.288	5.288
		24	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800	3.800
		21/25	10.559	10.559	10.559	10.559	10.559	10.559	10.559	10.559	10.559	10.559
		7	11.546	11.546	11.546	11.546	11.546	11.546	11.546	11.546	11.546	11.546
		27	5.796	5.796	5.796	5.796	5.796	5.796	5.796	5.796	5.796	5.796
		28	2.348	2.348	2.348	2.348	2.348	2.348	2.348	2.348	2.348	2.348
	TOTAL		**118.542**	**118.542**	**118.542**	**118.542**	**118.542**	**118.542**	**118.542**	**118.542**	**118.542**	**118.542**

3	**Jimalgatta**	55	7.048	7.048	7.048	7.048	7.048	7.048	7.048	7.048	7.048	7.048
		57	3.289	3.289	3.289	3.289	3.289	3.289	3.289	3.289	3.289	3.289
		58	4.821	4.821	4.821	4.821	4.821	4.821	4.821	4.821	4.821	4.821
		59	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491	0.491
		67	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199	0.199
		263	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142	2.142
		264	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450	0.450
		330	1.207	1.207	1.207	1.207	1.207	1.207	1.207	1.207	1.207	1.207
		332	15.064	15.064	15.064	15.064	15.064	15.064	15.064	15.064	15.064	15.064
		333	26.263	26.263	26.263	26.263	26.263	26.263	26.263	26.263	26.263	26.263
		335	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230	0.230
		336	1.341	1.341	1.341	1.341	1.341	1.341	1.341	1.341	1.341	1.341
		337	16.247	16.247	16.247	16.247	16.247	16.247	16.247	16.247	16.247	16.247
		338	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324	5.324
		84	19.186	19.186	19.186	19.186	19.186	19.186	19.186	19.186	19.186	19.186
		1	30.842	30.842	30.842	30.842	30.842	30.842	30.842	30.842	30.842	30.842
		2	8.469	8.469	8.469	8.469	8.469	8.469	8.469	8.469	8.469	8.469
		5	12.099	12.099	12.099	12.099	12.099	12.099	12.099	12.099	12.099	12.099
		7	15.708	15.708	15.708	15.708	15.708	15.708	15.708	15.708	15.708	15.708
		18	29.113	29.113	29.113	29.113	29.113	29.113	29.113	29.113	29.113	29.113
		61	1.632	1.632	1.632	1.632	1.632	1.632	1.632	1.632	1.632	1.632
		62	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180	0.180

		63	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646	2.646
		64	3.335	3.335	3.335	3.335	3.335	3.335	3.335	3.335	3.335	3.335
		65	5.301	5.301	5.301	5.301	5.301	5.301	5.301	5.301	5.301	5.301
		68	5.228	5.228	5.228	5.228	5.228	5.228	5.228	5.228	5.228	5.228
		78	3.107	3.107	3.107	3.107	3.107	3.107	3.107	3.107	3.107	3.107
		79	5.425	5.425	5.425	5.425	5.425	5.425	5.425	5.425	5.425	5.425
		80	5.019	5.019	5.019	5.019	5.019	5.019	5.019	5.019	5.019	5.019
		81	11.825	11.825	11.825	11.825	11.825	11.825	11.825	11.825	11.825	11.825
	TOTAL		**243.226**	**243.226**	**243.226**	**243.226**	**243.226**	**243.226**	**243.226**	**243.226**	**243.226**	**243.226**
4	**Sironcha**	267	22.148	22.148	22.148	22.148	22.148	22.148	22.148	22.148	22.148	22.148
		268	9.963	9.963	9.963	9.963	9.963	9.963	9.963	9.963	9.963	9.963
		269	12.636	12.636	12.636	12.636	12.636	12.636	12.636	12.636	12.636	12.636
		270	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596	7.596
		271	8.752	8.752	8.752	8.752	8.752	8.752	8.752	8.752	8.752	8.752
		272	16.343	16.343	16.343	16.343	16.343	16.343	16.343	16.343	16.343	16.343
		273	23.280	23.280	23.280	23.280	23.280	23.280	23.280	23.280	23.280	23.280
		237	2.253	2.253	2.253	2.253	2.253	2.253	2.253	2.253	2.253	2.253
		236	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.485	0.485
		278	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
		199	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.514	2.514
		197	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960	0.960
		196	0.888	0.888	0.888	0.888	0.888	0.888	0.888	0.888	0.888	0.888
		195	1.722	1.722	1.722	1.722	1.722	1.722	1.722	1.722	1.722	1.722

		279	1.678	1.678	1.678	1.678	1.678	1.678	1.678	1.678	1.678	1.678
		299	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		235	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058	0.058
		296	2.245	2.245	2.245	2.245	2.245	2.245	2.245	2.245	2.245	2.245
		280	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		281	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		282	5.080	5.080	5.080	5.080	5.080	5.080	5.080	5.080	5.080	5.080
		233	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061	1.061
		234	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116	0.116
		200	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036	0.036
		232	3.084	3.084	3.084	3.084	3.084	3.084	3.084	3.084	3.084	3.084
		202	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408	1.408
		207	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761
		208	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262	0.262
		209	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100	0.100
		210	1.984	1.984	1.984	1.984	1.984	1.984	1.984	1.984	1.984	1.984
		204	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		227	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
		228	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153	0.153
		230	13.286	13.286	13.286	13.286	13.286	13.286	13.286	13.286	13.286	13.286
		285	1.365	1.365	1.365	1.365	1.365	1.365	1.365	1.365	1.365	1.365
	TOTAL		**143.360**	**143.360**	**143.360**	**143.360**	**143.360**	**143.360**	**143.360**	**143.360**	**143.360**	**143.360**
	Grand Total		**580.923**	**580.923**	**580.923**	**580.923**	**580.923**	**580.923**	**580.923**	**580.923**	**580.923**	**580.923**

Appendix No. XXX

Sequence of working of Bamboo working circle

Year	Range	Comptt. No.	Area in Ha.	Remark
1	2	3	4	5
Coupe - A				
2027-28 2030-31 2033-34	Jimalgatta	55	94.770	
		80	71.600	
		79	12.500	
	Sironcha	237	125.000	
		296	50.000	
		233	25.000	
		199	30.000	
	Total Coupe - A		**408.870**	
Coupe - B				
2025-26 2028-29 2031-32 2034-35	Jimalgatta	7	157.060	
		81	105.732	
	Sironcha	236	50.000	
		280	50.000	
		234	30.000	
		196	70.000	
	Total Coupe - B		**462.792**	
Coupe - C				
2026-27 2029-30 2032-33	Jimalgatta	5	120.990	
	Sironcha	278	80.000	
		299	50.000	
		281	100.000	
		197	50.000	
	Total Coupe - C		**400.990**	
	Grand Total (Coupe A+B+C)		**1272.652**	

Note : The above table shows the area for Bamboo Exploitation but entire Division Area 25411.866 ha. is included in this Bamboo (Overlapping) Working Circle.

Appendix No. XXXI

Year wise estimated yield from various working circle

Teak Plantation Management Working Circle, TPMWC (TYPE A)

Year	Timber Qty. (M^3)	Poles Qty.	Beat Qty.	Long Bamboo Qty.	Bamboo Bundles Qty.	Chapati Bamboo Qty.	Total Revenue in Lac
2025-26	6110.862	117478	3895.84	0	0	0	3293.36
2026-27	5655.639	108726	3607.77	0	0	0	3140.54
2027-28	4149.108	79764	2645.17	0	0	0	2371.74
2028-29	3657.663	70316	2331.86	0	0	0	2150.61
2029-30	3831.299	73654	2442.55	0	0	0	2315.33
2030-31	6412.661	123280	4088.24	0	0	0	3980.13
2031-32	5995.420	115258	3822.24	0	0	0	3819.16
2032-33	4463.150	85801	2845.38	0	0	0	2916.04
2033-34	3918.427	75329	2498.10	0	0	0	2624.20
2034-35	4020.775	77297	2563.35	0	0	0	2758.46

STATEMENT SHOWING THE YEAR WISE ESTIMATE YIELD FROM CONVERSION WORKING CIRCLE

Year	Timber Qty. (M^3)	Poles Qty.	Beat Qty.	Long Bamboo Qty.	Bamboo Bundles Qty.	Chapati Bamboo Qty.	Total Revenue in Lac
2025-26	35302.601	16214	121202.19	0	0	0	14191.08
2026-27	32486.745	14921	111534.59	0	0	0	13712.11
2027-28	31799.892	14605	109176.57	0	0	0	13824.86
2028-29	29818.636	13695	102374.44	0	0	0	13611.70
2029-30	29511.444	13555	101319.78	0	0	0	14145.04
2030-31	29511.444	13555	101319.78	0	0	0	14852.29
2031-32	28494.356	13087	97827.88	0	0	0	15057.44
2032-33	27842.784	12788	95590.87	0	0	0	15448.78
2033-34	27524.944	12641	94499.65	0	0	0	16036.05
2034-35	26296.587	12078	90282.41	0	0	0	16086.43

STATEMENT SHOWING THE YEAR WISE ESTIMATE YIELD FOR BAMBOO OVERLAPPING WORKING CIRCLE

Year	Timber Qty. (M^3)	Poles Qty.	Beat Qty.	Long Bamboo Qty.	Bamboo Bundles Qty.	Chapati Bamboo Qty.	Total Revenue in Lac
2025-26	0	0	0	96873	3770	3345	36.94
2026-27	0	0	0	234387	9121	8094	93.84
2027-28	0	0	0	223889	8713	7732	94.12
2028-29	0	0	0	96873	3770	3345	42.76
2029-30	0	0	0	234387	9121	8094	108.63
2030-31	0	0	0	223889	8713	7732	108.96
2031-32	0	0	0	96873	3770	3345	49.50
2032-33	0	0	0	234387	9121	8094	134.76
2033-34	0	0	0	223889	8713	7732	126.13
2034-35	0	0	0	96873	3770	3345	57.30
Total	**0**	**0**	**0**	**1762320**	**68582**	**60858**	**852.94**

Appendix No. XXXII

STATEMENT SHOWING THE YEAR WISE REVENUE AND EXPENDITURE FOR VARIOUS WORKING CIRCLE

TEAK PLANTATION AND MANAGEMENT WORKING CIRCLE (Type-A)

Sr. No.	Thinning Cycle	Year	Area in ha.	Particulars of forest produce	Estimated production per ha.	Expected production	Estimated Revenue in Lacs ₹	Anticipated Expenditure	
								Per Unit Cost (₹.)	Total Expenditure in lakh ₹
1	2	3	4	5	6	7	8	9	10
1		2025-26	3257.389	Teak Timber	1.313	4276.952	1924.63	3780.67	161.70
				Non Teak Timber	0.563	1833.910	504.33	3780.67	69.33
				Teak Poles	25.245	82233	328.93	196.01	161.18
				Non Teak Poles	10.82	35245	88.11	196.01	69.08
				Teak Stocks	0.837	2726.43	411.69	1887.26	51.45
				Non Teak Stocks	0.359	1169.40	35.67	1887.26	22.07
							3293.36		**534.82**
		2026-27	3014.733	Teak Timber	1.313	3958.344	1820.84	3894.09	154.14
				Non Teak Timber	0.563	1697.295	475.24	3894.09	66.09
				Teak Poles	25.245	76107	342.48	201.89	153.65
				Non Teak Poles	10.82	32619	84.81	201.89	65.86
				Teak Stocks	0.837	2523.33	383.55	1943.88	49.05
				Non Teak Stocks	0.359	1084.44	33.62	1943.88	21.08
							3140.54		**509.87**
		2027-28	2211.678	Teak Timber	1.313	2903.933	1364.85	4010.91	116.47
				Non Teak Timber	0.563	1245.175	354.87	4010.91	49.94
				Teak Poles	25.245	55834	279.17	207.95	116.11
				Non Teak Poles	10.82	23930	64.61	207.95	49.76
				Teak Stocks	0.837	1851.17	283.23	2002.19	37.06
				Non Teak Stocks	0.359	793.99	25.01	2002.19	15.90
							2371.74		**385.25**

2		2028-29	1949.714	Teak Timber	1.313	2559.974	1228.79	4131.24	105.76
				Non Teak Timber	0.563	1097.689	318.33	4131.24	45.35
				Teak Poles	25.245	49221	270.71	214.19	105.43
				Non Teak Poles	10.82	21096	59.07	214.19	45.19
				Teak Stocks	0.837	1631.91	251.31	2062.26	33.65
				Non Teak Stocks	0.359	699.95	22.40	2062.26	14.43
							2150.61		**349.81**
		2029-30	2042.27	Teak Timber	1.313	2681.501	1313.94	4255.18	114.10
				Non Teak Timber	0.563	1149.798	339.19	4255.18	48.93
				Teak Poles	25.245	51557	309.34	220.61	113.74
				Non Teak Poles	10.82	22097	64.08	220.61	48.75
				Teak Stocks	0.837	1709.38	264.95	2124.13	36.31
				Non Teak Stocks	0.359	733.17	23.83	2124.13	15.57
							2315.33		**377.40**
		2030-31	3418.263	Teak Timber	1.313	4488.179	2244.09	4382.83	196.71
				Non Teak Timber	0.563	1924.482	577.34	4382.83	84.35
				Teak Poles	25.245	86294	560.91	227.23	196.09
				Non Teak Poles	10.82	36986	110.96	227.23	84.04
				Teak Stocks	0.837	2861.09	446.33	2187.85	62.60
				Non Teak Stocks	0.359	1227.16	40.50	2187.85	26.85
							3980.13		**650.63**
		2031-32	3195.853	Teak Timber	1.313	4196.155	2140.04	4514.32	189.43
				Non Teak Timber	0.563	1799.265	548.78	4514.32	81.22
				Teak Poles	25.245	80679	564.76	234.05	188.83
				Non Teak Poles	10.82	34579	107.20	234.05	80.93
				Teak Stocks	0.837	2674.93	419.96	2253.49	60.28
				Non Teak Stocks	0.359	1147.31	38.43	2253.49	25.85
							3819.16		**626.55**

		2032-33	2379.078	Teak Timber	1.313	3123.729	1624.34	4649.75	145.25
				Non Teak Timber	0.563	1339.421	415.22	4649.75	62.28
				Teak Poles	25.245	60060	450.45	241.07	144.79
				Non Teak Poles	10.82	25742	82.37	241.07	62.06
				Teak Stocks	0.837	1991.29	314.62	2321.09	46.22
				Non Teak Stocks	0.359	854.09	29.04	2321.09	19.82
							2916.04		**480.41**
3		2033-34	2088.714	Teak Timber	1.313	2742.481	1453.52	4789.24	131.34
				Non Teak Timber	0.563	1175.946	370.42	4789.24	56.32
				Teak Poles	25.245	52730	421.84	248.3	130.93
				Non Teak Poles	10.82	22600	74.58	248.3	56.12
				Teak Stocks	0.837	1748.25	277.97	2390.72	41.80
				Non Teak Stocks	0.359	749.85	25.87	2390.72	17.93
							2624.20		**434.43**
		2034-35	2143.27	Teak Timber	1.313	2814.114	1519.62	4932.92	138.82
				Non Teak Timber	0.563	1206.661	386.13	4932.92	59.52
				Teak Poles	25.245	54107	459.91	255.75	138.38
				Non Teak Poles	10.82	23190	78.85	255.75	59.31
				Teak Stocks	0.837	1793.92	287.03	2462.45	44.17
				Non Teak Stocks	0.359	769.43	26.93	2462.45	18.95
							2758.46		**459.15**

STATEMENT SHOWING THE YEAR WISE FORECAST OF EXPENDITURE ON TEAK PLANTATION AND MANAGEMENT WORKING CIRCLE (Type-B)

Sr. No.	Thinning Cycle	Year	Area in ha.	Particulars of forest produce	Estimated production per ha.	Expected production	Estimated Revenue in Lacs ₹	Anticipated Expenditure	
								Per Unit Cost (₹.)	Total Expenditure in lakh ₹
1	2	3	4	5	6	7	8	9	10
1		2025-26	393.357	Teak Timber	0.075	29.502	13.28	3780.67	1.12
				Non Teak Timber	0.176	69.231	19.04	3780.67	2.62
				Teak Poles	0.14	55	0.22	196.01	0.11
				Non Teak Poles	0.328	129	0.32	196.01	0.25
				Teak Stocks	0.064	25.17	3.80	1887.26	0.48
				Non Teak Stocks	0.15	59.00	1.80	1887.26	1.11
							38.46		**5.68**
		2026-27	249.206	Teak Timber	0.075	18.690	8.60	3894.09	0.73
				Non Teak Timber	0.176	43.860	12.28	3894.09	1.71
				Teak Poles	0.14	35	0.16	201.89	0.07
				Non Teak Poles	0.328	82	0.21	201.89	0.17
				Teak Stocks	0.064	15.95	2.42	1943.88	0.31
				Non Teak Stocks	0.15	37.38	1.16	1943.88	0.73
							24.83		**3.71**
		2027-28	317.660	Teak Timber	0.075	23.825	11.20	4010.91	0.96
				Non Teak Timber	0.176	55.908	15.93	4010.91	2.24
				Teak Poles	0.14	44	0.22	207.95	0.09
				Non Teak Poles	0.328	104	0.28	207.95	0.22
				Teak Stocks	0.064	20.33	3.11	2002.19	0.41
				Non Teak Stocks	0.15	47.65	1.50	2002.19	0.95
							32.25		**4.87**
2		2028-29	290.420	Teak Timber	0.075	21.782	10.46	4131.24	0.90

				Non Teak Timber	0.176	51.114	14.82	4131.24	2.11
				Teak Poles	0.14	41	0.22	214.19	0.09
				Non Teak Poles	0.328	95	0.27	214.19	0.20
				Teak Stocks	0.064	18.59	2.86	2062.26	0.38
				Non Teak Stocks	0.15	43.56	1.39	2062.26	0.90
							30.02		**4.58**
		2029-30	157.528	Teak Timber	0.075	11.815	5.79	4255.18	0.50
				Non Teak Timber	0.176	27.725	8.18	4255.18	1.18
				Teak Poles	0.14	22	0.13	220.61	0.05
				Non Teak Poles	0.328	52	0.15	220.61	0.11
				Teak Stocks	0.064	10.08	1.56	2124.13	0.21
				Non Teak Stocks	0.15	23.63	0.77	2124.13	0.50
							16.58		**2.56**
		2030-31	252.565	Teak Timber	0.075	18.942	9.47	4382.83	0.83
				Non Teak Timber	0.176	44.451	13.34	4382.83	1.95
				Teak Poles	0.14	35	0.23	227.23	0.08
				Non Teak Poles	0.328	83	0.25	227.23	0.19
				Teak Stocks	0.064	16.16	2.52	2187.85	0.35
				Non Teak Stocks	0.15	37.88	1.25	2187.85	0.83
							27.06		**4.23**
		2031-32	271.452	Teak Timber	0.075	20.359	10.38	4514.32	0.92
				Non Teak Timber	0.176	47.776	14.57	4514.32	2.16
				Teak Poles	0.14	38	0.27	234.05	0.09
				Non Teak Poles	0.328	89	0.28	234.05	0.21
				Teak Stocks	0.064	17.37	2.73	2253.49	0.39
				Non Teak Stocks	0.15	40.72	1.36	2253.49	0.92
							29.59		**4.68**
		2032-33	652.093	Teak Timber	0.075	48.907	25.43	4649.75	2.27

				Non Teak Timber	0.176	114.768	35.58	4649.75	5.34
				Teak Poles	0.14	91	0.68	241.07	0.22
				Non Teak Poles	0.328	214	0.68	241.07	0.52
				Teak Stocks	0.064	41.73	6.59	2321.09	0.97
				Non Teak Stocks	0.15	97.81	3.33	2321.09	2.27
							72.30		**11.59**
3		2033-34	348.545	Teak Timber	0.075	26.141	13.85	4789.24	1.25
				Non Teak Timber	0.176	61.344	19.32	4789.24	2.94
				Teak Poles	0.14	49	0.39	248.3	0.12
				Non Teak Poles	0.328	114	0.38	248.3	0.28
				Teak Stocks	0.064	22.31	3.55	2390.72	0.53
				Non Teak Stocks	0.15	52.28	1.80	2390.72	1.25
							39.30		**6.38**
		2034-35	389.619	Teak Timber	0.075	29.221	15.78	4932.92	1.44
				Non Teak Timber	0.176	68.573	21.94	4932.92	3.38
				Teak Poles	0.14	55	0.46	255.75	0.14
				Non Teak Poles	0.328	128	0.43	255.75	0.33
				Teak Stocks	0.064	24.94	3.99	2462.45	0.61
				Non Teak Stocks	0.15	58.44	2.05	2462.45	1.44
							44.66		**7.34**

YEARWISE FORECAST OF EXPENDITURE PRODUCTION ON CONVERSION WORKING CIRCLE (Type-A)

Sr. No.	Year	Area in ha.	Particulars of Forest Produce	Estimated production per ha.	Expected production	Revenue in Lac ₹	Anticipated expenditure	
							Per Unit cost in ₹.	Total Rs. in Lacs ₹
1	2	3	4	5	6	7	8	9
1	2025-26	170.000	Teak Timber	7.728	1313.760	591.19	2693.78	35.39
			Non Teak Timber	18.032	3065.440	843.00	2693.78	82.58
			Teak Poles	9.183	1561	6.24	167.49	2.61
			Non Teak Poles	21.427	3643	9.11	167.49	6.10
			Teak Beat	7.723	1312.91	198.25	1738.43	22.82
			Non Teak Beat	18.02	3063.40	93.43	1738.43	53.26
						1741.22		**202.76**
2	2026-27	168.600	Teak Timber	7.728	1302.941	599.35	2774.59	36.15
			Non Teak Timber	18.032	3040.195	851.25	2774.59	84.35
			Teak Poles	9.183	1548	6.97	172.51	2.67
			Non Teak Poles	21.427	3613	9.39	172.51	6.23
			Teak Beat	7.723	1302.10	197.92	1790.58	23.32
			Non Teak Beat	18.02	3038.17	94.18	1790.58	54.40
						1759.07		**207.12**
3	2027-28	174.047	Teak Timber	7.728	1345.035	632.17	2857.83	38.44
			Non Teak Timber	18.032	3138.416	894.45	2857.83	89.69
			Teak Poles	9.183	1598	7.99	177.69	2.84
			Non Teak Poles	21.427	3729	10.07	177.69	6.63
			Teak Beat	7.723	1344.16	205.66	1844.3	24.79
			Non Teak Beat	18.02	3136.33	98.79	1844.3	57.84
						1849.13		**220.23**
4	2028-29	198.625	Teak Timber	7.728	1534.974	736.79	2943.57	45.18

			Non Teak Timber	18.032	3581.606	1038.67	2943.57	105.43
			Teak Poles	9.183	1824	10.03	183.02	3.34
			Non Teak Poles	21.427	4256	11.92	183.02	7.79
			Teak Beat	7.723	1533.98	236.23	1899.63	29.14
			Non Teak Beat	18.02	3579.22	114.54	1899.63	67.99
						2148.17		**258.87**
5	2029-30	195.000	Teak Timber	7.728	1506.960	738.41	3031.87	45.69
			Non Teak Timber	18.032	3516.240	1037.29	3031.87	106.61
			Teak Poles	9.183	1791	10.74	188.51	3.38
			Non Teak Poles	21.427	4178	12.12	188.51	7.88
			Teak Beat	7.723	1505.99	233.43	1956.62	29.47
			Non Teak Beat	18.02	3513.90	114.20	1956.62	68.75
						2146.19		**261.77**
6	2030-31	165.000	Teak Timber	7.728	1275.120	637.56	3122.83	39.82
			Non Teak Timber	18.032	2975.280	892.58	3122.83	92.91
			Teak Poles	9.183	1515	9.85	194.17	2.94
			Non Teak Poles	21.427	3535	10.61	194.17	6.86
			Teak Beat	7.723	1274.30	198.79	2015.32	25.68
			Non Teak Beat	18.02	2973.30	98.12	2015.32	59.92
						1847.51		**228.14**
7	2031-32	197.000	Teak Timber	7.728	1522.416	776.43	3216.51	48.97
			Non Teak Timber	18.032	3552.304	1083.45	3216.51	114.26
			Teak Poles	9.183	1809	12.66	199.99	3.62
			Non Teak Poles	21.427	4221	13.09	199.99	8.44
			Teak Beat	7.723	1521	238.86	2075.78	31.58
			Non Teak Beat	18.02	3549.94	118.92	2075.78	73.69
						2243.42		**280.56**
8	2032-33	165.000	Teak Timber	7.728	1275.120	663.06	3313.01	42.24
			Non Teak Timber	18.032	2975.280	922.34	3313.01	98.57

			Teak Poles	9.183	1515	11.36	205.99	3.12
			Non Teak Poles	21.427	3535	11.31	205.99	7.28
			Teak Beat	7.723	1274.30	201.34	2138.05	27.25
			Non Teak Beat	18.02	2973.30	101.09	2138.05	63.57
						1910.51		**242.04**
9	2033-34	188.378	Teak Timber	7.728	1455.785	771.57	3412.4	49.68
			Non Teak Timber	18.032	3396.832	1070.00	3412.4	115.91
			Teak Poles	9.183	1730	13.84	212.17	3.67
			Non Teak Poles	21.427	4036	13.32	212.17	8.56
			Teak Beat	7.723	1454.84	231.32	2202.19	32.04
			Non Teak Beat	18.02	3394.57	117.11	2202.19	74.75
						2217.16		**284.62**
10	2034-35	173.671	Teak Timber	7.728	1342.129	724.75	3514.77	47.17
			Non Teak Timber	18.032	3131.635	1002.12	3514.77	110.07
			Teak Poles	9.183	1595	13.56	218.54	3.49
			Non Teak Poles	21.427	3721	12.65	218.54	8.13
			Teak Beat	7.723	1341.26	214.60	2268.26	30.42
			Non Teak Beat	18.02	3129.55	109.53	2268.26	70.99
						2077.22		**270.27**

YEARWISE FORECAST OF EXPENDITURE PRODUCTION ON CONVERSION WORKING CIRCLE (Type-B)

Sr. No.	Year	Area in ha.	Particulars of Forest Produce	Estimated production per ha.	Expected production	Revenue in Lac ₹	Anticipated expenditure	
							Per Unit cost in ₹.	Total ₹. in Lacs
1	2	3	4	5	6	7	8	9
1	2025-26	135.000	Teak Timber	0.075	10.125	4.56	2693.78	0.27
			Non Teak Timber	0.176	23.760	6.53	2693.78	0.64
			Teak Poles	0.14	19	0.08	167.49	0.03
			Non Teak Poles	0.328	44	0.11	167.49	0.07
			Teak Beat	0.064	8.64	1.30	1738.43	0.15
			Non Teak Beat	0.15	20.25	0.62	1738.43	0.35
						13.20		**1.52**
2	2026-27	115.000	Teak Timber	0.075	8.625	3.97	2774.59	0.24
			Non Teak Timber	0.176	20.240	5.67	2774.59	0.56
			Teak Poles	0.14	16	0.07	172.51	0.03
			Non Teak Poles	0.328	38	0.10	172.51	0.07
			Teak Beat	0.064	7.36	1.12	1790.58	0.13
			Non Teak Beat	0.15	17.25	0.53	1790.58	0.31
						11.46		**1.33**
3	2027-28	135.000	Teak Timber	0.075	10.125	4.76	2857.83	0.29
			Non Teak Timber	0.176	23.760	6.77	2857.83	0.68
			Teak Poles	0.14	19	0.09	177.69	0.03
			Non Teak Poles	0.328	44	0.12	177.69	0.08
			Teak Beat	0.064	8.64	1.32	1844.3	0.16
			Non Teak Beat	0.15	20.25	0.64	1844.3	0.37
						13.70		**1.61**
4	2028-29	140.000	Teak Timber	0.075	10.500	5.04	2943.57	0.31
			Non Teak Timber	0.176	24.640	7.15	2943.57	0.73

			Teak Poles	0.14	20	0.11	183.02	0.04
			Non Teak Poles	0.328	46	0.13	183.02	0.08
			Teak Beat	0.064	8.96	1.38	1899.63	0.17
			Non Teak Beat	0.15	21.00	0.67	1899.63	0.40
						14.47		**1.72**
5	2029-30	120.000	Teak Timber	0.075	9.000	4.41	3031.87	0.27
			Non Teak Timber	0.176	21.120	6.23	3031.87	0.64
			Teak Poles	0.14	17	0.10	188.51	0.03
			Non Teak Poles	0.328	39	0.11	188.51	0.07
			Teak Beat	0.064	7.68	1.19	1956.62	0.15
			Non Teak Beat	0.15	18.00	0.59	1956.62	0.35
						12.63		**1.52**
6	2030-31	108.817	Teak Timber	0.075	8.161	4.08	3122.83	0.25
			Non Teak Timber	0.176	19.152	5.75	3122.83	0.60
			Teak Poles	0.14	15	0.10	194.17	0.03
			Non Teak Poles	0.328	36	0.11	194.17	0.07
			Teak Beat	0.064	6.96	1.09	2015.32	0.14
			Non Teak Beat	0.15	16.32	0.54	2015.32	0.33
						11.66		**1.42**
7	2031-32	140.181	Teak Timber	0.075	10.514	5.36	3216.51	0.34
			Non Teak Timber	0.176	24.672	7.52	3216.51	0.79
			Teak Poles	0.14	20	0.14	199.99	0.04
			Non Teak Poles	0.328	46	0.14	199.99	0.09
			Teak Beat	0.064	8.97	1.41	2075.78	0.19
			Non Teak Beat	0.15	21.03	0.70	2075.78	0.44
						15.28		**1.89**
8	2032-33	121.540	Teak Timber	0.075	9.116	4.74	3313.01	0.30
			Non Teak Timber	0.176	21.391	6.63	3313.01	0.71
			Teak Poles	0.14	17	0.13	205.99	0.04

			Non Teak Poles	0.328	40	0.13	205.99	0.08
			Teak Beat	0.064	7.78	1.23	2138.05	0.17
			Non Teak Beat	0.15	18.23	0.62	2138.05	0.39
						13.48		**1.68**
9	2033-34	118.000	Teak Timber	0.075	8.850	4.69	3412.4	0.30
			Non Teak Timber	0.176	20.768	6.54	3412.4	0.71
			Teak Poles	0.14	17	0.13	212.17	0.04
			Non Teak Poles	0.328	39	0.13	212.17	0.08
			Teak Beat	0.064	7.55	1.20	2202.19	0.17
			Non Teak Beat	0.15	17.70	0.61	2202.19	0.39
						13.30		**1.68**
10	2034-35	108.970	Teak Timber	0.075	8.173	4.41	3514.77	0.29
			Non Teak Timber	0.176	19.179	6.14	3514.77	0.67
			Teak Poles	0.14	15	0.13	218.54	0.03
			Non Teak Poles	0.328	36	0.12	218.54	0.08
			Teak Beat	0.064	6.97	1.12	2268.26	0.16
			Non Teak Beat	0.15	16.35	0.57	2268.26	0.37
						12.49		**1.60**

STATEMENT SHOWING THE YEAR WISE FORECAST OF EXPENDITURE ON BAMBOO PRODUCTION (OVERLAPPING) WORKING CIRCLE

Sr. No.	Year	Coupe	Area	Particular of work	Estimated production per ha.	Estimated Yield	Total Revenue (in Lakh ₹)	Anticipated Expenditure	
								Per Unit Cost (₹.)	Total Expdt. in lakh ₹
1	2	3	4	5	6	7	8	9	10
1	2025-26	B	462.792	1) Long Bamboo	122.78	56822	18.75	22.66	12.87
				2) Bamboo Bundle	4.778	2211	2.55	86.16	1.91
				3) Chapati Bamboo	4.24	1962	0.38	10.9	0.21
							21.67		**14.99**
2	2026-27	C	400.990	1) Long Bamboo	122.78	49234	17.06	22.66	11.49
				2) Bamboo Bundle	4.778	1916	2.31	86.16	1.70
				3) Chapati Bamboo	4.24	1700	0.34	10.9	0.19
							19.71		**13.38**
3	2027-28	A	408.870	1) Long Bamboo	122.78	50201	18.27	22.66	12.07
				2) Bamboo Bundle	4.778	1954	2.48	86.16	1.78
				3) Chapati Bamboo	4.24	1734	0.36	10.9	0.20
							21.11		**14.05**
4	2028-29	B	462.792	1) Long Bamboo	122.78	56822	21.71	22.66	14.07
				2) Bamboo Bundle	4.778	2211	2.94	86.16	2.08
				3) Chapati Bamboo	4.24	1962	0.43	10.9	0.23
							25.09		**16.39**
5	2029-30	C	400.990	1) Long Bamboo	122.78	49234	19.75	22.66	12.56
				2) Bamboo Bundle	4.778	1916	2.68	86.16	1.86
				3) Chapati Bamboo	4.24	1700	0.39	10.9	0.21
							22.82		**14.62**
6	2030-31	A	408.870	1) Long Bamboo	122.78	50201	21.14	22.66	13.19
				2) Bamboo Bundle	4.778	1954	2.87	86.16	1.95

				3) Chapati Bamboo	4.24	1734	0.42	10.9	0.22
							24.43		**15.36**
7	2031-32	B	462.792	1) Long Bamboo	122.78	56822	25.13	22.66	15.37
				2) Bamboo Bundle	4.778	2211	3.41	86.16	2.28
				3) Chapati Bamboo	4.24	1962	0.50	10.9	0.26
							29.03		**17.91**
8	2032-33	C	400.990	1) Long Bamboo	122.78	49234	22.86	22.66	13.72
				2) Bamboo Bundle	4.778	1916	3.10	86.16	2.03
				3) Chapati Bamboo	4.24	1700	0.45	10.9	0.23
							26.42		**15.98**
9	2033-34	A	408.870	1) Long Bamboo	122.78	50201	24.48	22.66	14.41
				2) Bamboo Bundle	4.778	1954	3.32	86.16	2.13
				3) Chapati Bamboo	4.24	1734	0.49	10.9	0.24
							28.28		**16.78**
10	2034-35	B	462.792	1) Long Bamboo	122.78	56822	29.09	22.66	16.80
				2) Bamboo Bundle	4.778	2211	3.95	86.16	2.49
				3) Chapati Bamboo	4.24	1962	0.58	10.9	0.28
							33.62		**19.57**

Appendix No. XXXIII

Standard Instruction for Cleaning Operation in 4th and 7th Teak Plantation

FOREST DEVELOPMENT CORPORATION OF MAHARASHTRA LIMITED
(A Government of Maharashtra Enterprise)

No.Desk-PLN/R&M/Nursery Committee/C.R. 48/23-24/ 1465 Dtd: 19 AUG 2024

To,

The General Manager/Regional Manages (All)
The Divisional Managers (All)

Sub:- Instructions with respect to 4th and 7th year Cleaning Operations in Teak Plantations.
Ref:- This office letter No. PLN/Model Estimate/C.R.48/2023-24/465 Dtd. 24.05.2024

Instructions with respect to Cleaning in Teak Plantations in 4th and 7th year have been issued vide **Annexure 6** of this office letter under reference. The said instructions are the reiteration of earlier instructions issued by this office letter vide No. RM/PLN/ Thinning/5/7/2006-07)/3218 Dtd. 19th October, 2006 and letter No. CGM/Pln/Casualty T. P./Sr. No. 95/21-22/3034 Dtd. 21.12.2021. Para 2.3 and 2.4 of the **Annexure 6** in the letter under reference are reproduced as under-

2.3 Site-specific estimates for each plantation site will be prepared by the Divisional Manager concerned and prior approval of the Regional-head shall be obtained before undertaking the work.

2.4 Regional Head will sanction the estimates afer inspection of the area and within seven days of the receipt from the Divisional Head.

2.0 As stated above, the said instructions are basically the reiteration of earlier instructions issued in the year 2006. However in the year 2006, the Range Forest Officers and Assistant Managers level Officer were not sub-delegated with the powers to accord Technical Sanction and Administrative Approval regarding forestry works. Such sub-delegations have now been accorded to the above mentioned officers vide Order No. ADM/Estt.-3/53/399 Dtd. 10.05.2023, whereby Managing Director has sub-delegated his powers as per **Serial No. 66- Expenditure on Forestry Works including Regeneration and SMC Works** as under-

Technical Sanction	Administrative Approval
RFO- Upto Rs. 10.00 Lakhs	**AM**- Upto Rs. 10.00 Lakhs
AM- Upto Rs. 50.00 Lakhs	**DM**- Upto Rs. 50.00 Lakhs
DM- Upto Rs.100.00 Lakhs	

3.0 The above mentioned Order stipulates that such sub-delegation shall be subject to observance of canons to financial proprieties and general policies laid down by the Board of Directors from time to time. The said Order further reiterates that the Officers, who are sub-delegated powers shall exercise the same without fear and favor.

4.0 It may therefore be seen that the Range Forest Officers, Assistant Managers and Divisional Managers themselves are empowered to accord Technical Sanction and further, Assistant Managers and Divisional Managers are competent to accord Technical Sanction as well as Administrative Approval to forestry works. Recently, the Assistant Managers and Range Forest Officers have also been provided with Moter Vehicles to ensure their mobility and approach in the Forest Areas.

5.0 In view of the facts mentioned in the foregoing paragraphs and in view of the fact that 4th and 7th years Cleaning Operations in Teak Plantations are vital in nature and any neglect or delay in their execution may lead to irreparable damages to the entire Teak Plantations, following revised instructions with respect to 4th and 7th year Cleaning Operations are issued, which shall be in supersession of instructions given in **Annexure-6** of this office letter under reference-

6.0 Revised instructions with respect to 4th and 7th year Cleaning Operations in Teak Plantations:-

Cleaning Operations explained (Appendix-2, Page 61 of Maharashtra Forest Records No. III):- Cleaning is an operation made in a young crop in order to remove any growth interfering with the proper development of the principal species. In pure crops, therefore, cleanings, the aim of which is generally to improve the composition of a young crop, will not often be required. But even in forests composed almost entirely of one single species, there will often be found during the early youth of the crop, a certain admixture of hardy fast-growing species, which have established themselves at the time of the regeneration. Such species or the coppice shoots of the earlier crop may be useful in completing the consistence of an otherwise too open crop, or their presence may be desirable in order in order to preserve a useful mixture of trees in the crop, but if they are not required for any such reasons, a cleaning should be made and they should be removed.

7.0 The 4th year and 7th year Cleaning Operations in Teak Plantations shall be executed in the following manner-

i. The boundary of the plantation area will be verified by going over the area. If it is found that details given on the Plantation Board have faded, then the same shall be got repainted.
ii. Shade tolerant species, like garadi, capable of capturing the site, shall be felled wherever found. Other species, including bamboo, interfering or likely to interfere with the proper growth of teak shall be felled. Damaged or badly shaped trees of coppice origin shall be cut back.
iii. All climbers shall be cut.
iv. Damaged and malformed teak saplings shall be cut back.
v. Multiple shoots shall be reduced to two per stool by retaining most vigorous ones.
vi. Miscellaneous species and bamboo growth interfering or likely to interfere with teak and other valuable species shall be cut.
vii. In patches where the plantation has failed, miscellaneous species either of seedling or coppice origin will be tended and retained. The preference for retention of miscellaneous species will be Semal, Shissam, Bija, Tiwas, Surya, Dhawda, Ain etc., in that order.

8.0 In no case, 4th year and 7th year cleaning operations shall be allowed to extend beyond the month of August.

9.0 Maximum number of permissible man-days for taking up cleaning work in 4th and 7th year of Teak Planations will be ten per ha. However, it is clarified that this is the upper limit of the provisions and not the general formula for actual execution. Therefore, site specific estimates shall be prepared by the Range Forest Officers and Assistant Managers, as the case may be, and the execution shall be closely monitored by the Assistant Managers and Divisional Managers.

10.0 In 7th year of plantation 10% enumeration will be carried out immediately after cleaning operation and record of the same will be kept in the following proforma-

Sr. No.	Range	Compartment	Section No.	Area of Section	Expenditure Incurred on cleaning & enumeration
1	2	3	4	5	6

	The no. of plants as per 10% enumeration				Remarks
	Girth below 15 cm	Girth 15-25 cm.	Girth above 25 cm	Total	
	7				8
Teak					
Non-teak					
Total					

11.0 The details of enumeration data as above will be submitted by Regional Manager to the Managing Director by 30th January with specific views as to whether data indicates that it may be necessary to take up first thinning prior to completion of 10th year of the plantation. The above information will be also recorded in plantation register. In case saleable material is available after completion of the work then it will be extracted. After completion of cleaning operations in 4th year information in Col. No. 1 to 6 of above proforma will be compiled and recorded in plantation register.

12.0 Considering the fact that the 4th year and 7th year cleaning operations are crucial for subsequent growth and health of Teak Plantations. Assistant Managers and Divisional Managers shall carry out 100% inspection of these operations.

13.0 A critical Report regarding the overall execution of 4th year and 7th year cleaning operations shall be submitted by the Divisional Managers to Regional Managers by 31st January and Regional Managers to Managing Director by 15th February every year.

(Sanjeev Gaur)
Managing Director

APPENDIX NO. XXXIV

COMPARTMENT HISTORY FORMS

FORM NO. 1

DESCRIPTION OF THE COMPARTMENT

Name of the block :-	Compartment No. :-	Date :-
Forest map sheet :-	Range :-	Stock map :-
Scale :-	Camp :-	Area in ha. :-

1. Location
2. Boundaries
   North
   East
   South
   West
3. Permanent features :-
4. Topographical features : Give altitudinal variations, aspects and slope
5. Geology and rock :-
6. Soil. (Give types, distribution, origin, color, texture, composition, depth, Humus, Drainage etc.)
7. **The Forest** :-
   (i) **General description**:- General description of type and local sub-type of forest.
   Qualities, density, age, principal associates, reproduction species etc. to be given.
   (ii) Floristic :- (To be given separately for each sub type distinguished under) I-Top Canopy, II-Second story, II a-Bamboo, III-Shrubs, IV a-Herbs, IV b- Grasses, V-Climbers, Epiphytes, Parasites, Occurrence of principal species to be indicated by letters (Va)-very abundant.

(a) Abundant, (f)-frequent, (c)-common, (o)-Occasional, ®-rare, (La) Locally abundant, (Lc)- Locally common

(iii) Regeneration :-

(a) Nature: to be described under:

(i) By coppice from the felled trees.

(ii) By natural seeding or seeding coppice (It should be clarified whether reproduction is adequate to restock the areas. Such portions should be indicated as far as possible)

(b) **Artificial Regeneration** : (Details to be given under item 11)

8. **Grazing** : (Mention availability of grazing units and grazing incidence)

9. **Injuries** :- (Extent of illicit cutting, encroachments and illicit grazing, Damage's due to wind cyclones, fires, draught, frost, insects and fungi and spread of lantana or Karvi or other weeds.)

10. **Soil Erosion** : (Give types and extent)

11. **Past History** :- (Among other items information should be recorded about years of harvesting and also the type of harvesting ; standards left, selection size trees reserved against felling; full details, such as year of planting, method of planting, area and species planted and results about artificial regeneration should also be given)

12. **Any other in formation** : (Among other matters information about Experimental Plots (E.P.), Sample Plot (S.P.), Preservation Plot (P.P.), Linear Increment Plot (L.I.P.) wildlife and privileges to be given)

FORM NO. 2

RECORD OF PLANTATION AND CHANGES IN GROWING STOCK

Compartment No. :- Coupe No. :-

Year/Date	Description of work on plantation and changes in growing stock	Revenue in Rs.	Expenditure in Rs.
1	2	3	4

FORM NO. 3

REGISTER OF OPERATIONS AND OUTTURN

Compartment No. :- Coupe No. :-

Year/Date	Description	Revenue in Rs.	Expenditure in Rs.
1	2	3	4

FORM NO. 4

RECORD OF OBSERVATIONS

Compartment No. :- Coupe No.

Date and Name of Officer	Extracts from diaries, notes and reports
1	2

FORM NO. 5
RECORD OF FIRE

Compartment No. :- Coupe No.

Date of occurrence	Description	Cost
1	2	3

Area burnt of Coupe No. :-

Detail of damage and its approximate value :-

Damage to regeneration :-

Damage to standing trees :-

Timber :-

Cart load fuel :-

Cart load grass :-

Bamboo :-

Expenditure incurred for putting out fire as per fires:-

Case No. _____ of _____ was Rs. _____

Range Forest Officer

APPENDIX NO. XXXV

COUPE CONTROL FORMS

CONTROL FORM FOR SELECTION-CUM-IMPROVEMENT WORKING CIRCLE

NAME OF THE WORKING PLAN :- CIRCLE :-

FELLING SERIES :- DIVISION :-

PRESCRIBED OPERATIONS VIDE PARAS :- RANGE :-

APPENDIX NO. :-

Prescribed operations					Results
Year of working	Coupe No.	Compartments included	Total area in ha.		Year of working
			Workable	Unworkable	
1	2	3	4	5	6

Total area worked	Operations Total number of trees of selection size & over enumerated		Operations Actually Carried out			
			Total number of trees of selection size and over felled a) Permissible to be felled. b) Actually felled		Total number of trees of pre selection class felled.	
	Species	No.	Species	No.	Species	No.
7	8	9	10	11	12	13

Yield Details					
Species, No. & Cum.	Logs in No. & Cum.	Poles in No. & Cum.	Fuel in No. of Beats & Cum.	Revenue realized	Expenditure incurred
14	15	16	17	18	19

Artificial regeneration carried out			Remarks
20	21	22	23

CONTROL FORM NO. 2

CONTROL FORM FOR AFFORESTATION WORKING CIRCLE

NAME OF THE WORKING PLAN:- CIRCLE :

WORKING CIRCLE:- DIVISION :

FELLINHG SERIES: RANGE :

APPENDIX NO.:

PRESCRIBED OPERATIONS VIDE PARAS:

Prescribed operations						Actual working	
Year of working						Year of working	
Compartment No.	Coupe No.	Marking	Felling	Planting		Marking	Felling
				Teak/Misc.	Bamboo		
1	2	3	4	5	6	7	8

Year of working		Results of operations actually carried out				
Planting		Outturn if any			Revenue Realized Rs.	Expenditure incurred Rs.
Teak Misc.	Bamboo	Timber Cum.	Pole No. (Cum)	Fuel Cum.		
9	10	11	12	13	14	15

Results of operations actually carried out			
Area planted (in ha.)		Expenditure incurred in Rs.	Remarks
Teak Misc.	Bamboo		
16	17	18	19

CONTROL FORM NO. 3

CONTROL FORM FOR CULTURAL OPERATIONS

NAME OF THE WORKING PLAN:- CIRCLE :

WORKING CIRCLE:- DIVISION :

FELLING SERIES: RANGE :

PRESCRIBED OPERATIONS VIDE PARAS:

Prescribed operations					Actual Working	
Year	Nature of operations prescribed	Compartment No.	Coupe No.	Area (in ha.)	Year in which worked	Area actually worked (in ha.)
1	2	3	4	5	6	7

Results of operations actually carried out					
Out-turn if any			Revenue Realized (in Rs.)	Expenditure incurred (in Rs.)	Remarks
Timber in Cum.	Poles in No. & Cum.	Fuel Beats No. & Cum.			
8	9	10	11	12	13

CONTROL FORM NO. 4

CONTROL FORM FOR OVERLAPPING WORKING CIRCLE

NAME OF THE WORKING PLAN: CIRCLE:

WORKING CIRCLE: DIVISION:

FELLING SERIES: RANGE :

PRESCRIBED OPERATIONS VIDE PARAS:

Prescribed Operations				
Year	Range	Unites, Coupes or Compartment Nos.	Area in ha.	Year of working
1	2	3	4	5

Results of operations actually carried out				
Total area Worked in ha.	Balance (+In Blue) (- In Red)	Revenue Realized (In Rs.)	Expenditure incurred (In Rs.)	Remarks
6	7	8	9	10

CONTROL FORM NO. 5

CONTROL FORM FOR FIRE PROTECTION

A. PERMANENT FIRE LINES

B. SPECIAL LINES

NAME OF THE WORKING PLAN :

CLASS I FOREST AREAS COMPLETELY PROTECTED

CLASS II FOREST AREAS GENERALLY PROTECTED

PRESCRIBED OPERATIONS VIDE PARA

Year	Ranges	Class & Areas	Length of fire lines to be cut and burnt

			(a) External (Artificial only) (b) Internal (I) Roads (II) Artificial lines	In Kms.
1	2	3	4	5

Results of operations actually carried out					
Length of fire lines cut and burnt during the year		Expenditure in Rs.	Shortfall Particulars of lines not covered should be given	Length in Km.	Reasons for shortfall
a) External (Artificial only) b) Internal I) Roads II) Artificial lines	In Km.		Location of fire lines		
6	7	8	9	10	11

Results of operations actually carried out			No. of fire watchers		
Accidental fires & Area burnt due to accidental fires	Nature of damage	Expenditure incurred in Rs.	Prescribed	Actually appointed	Expenditure incurred in Rs.
12	13	14	15	16	17

Results of operations actually carried out	Remarks
Total Expenditure in Rs. (Total of column Nos. 8, 14 & 17)	
18	19

CONTROL FORM NO. 6

CONTROL FORM FOR 1/5th BOUNDARY DEMARCATION AND VERIFICATION SCHEME

NAME OF THE WORKING PLAN: CIRCLE:

WORKING CIRCLE DIVISION:

FELLING SERIES: RANGE:

PRESCRIBED OPERATIONS VIDE PARAS:

APPENDIX NO.:

A. NEW DEMARCATION ONLY

Year	Range	Location of boundary	Location of boundary
		From	To
1	2	3	4

Target for the year	Length actually demarcated	Shortfall or excess (+ In /red) (- In Blue)	Total No. of cairns built	Remarks (Details about different types of cairns erected should be given
5	6	7	8	9

B. MAINTENANCE AND VERIFICATION OF LINES

Year	Range	Location of boundary	Prescribed	
			From	To
1	2	3	4	5

Boundary actually Verified and maintained	Shortfall or excess (+ In Red) (- In Blue)	Remarks (Among other matters special mention about the encroachments noticed during verifications should be made)
6	7	8

CONTROL FORM NO. 7

CONTROL FORM FOR GRAZING

NAME OF THE WORKING PLAN: CIRCLE:

WORKING CIRCLE DIVISION:

FELLING SERIES: RANGE:

PRESCRIBED OPERATIONS VIDE PARAS:

APPENDIX NO.:

Prescriptions vide paragraph No.				Maximum incidence permissible according to the classification
Grazing Unit No. Class of Forest etc.	Year	Area in ha.		
		Total Area	Average area open to grazing	
1	2	3	4	5

Actual grazing conditions			No. of sections closed to grazing	Free Bulls Bullocks or Cows	Buffaloes
Maximum No. of cattle admissible					
Bulls Bullock or Cows	Buffaloes	Total Units Cows, Bullocks, Buffaloes			
6	7	8	9	10	11

Privileged rate		Commercial rates				Total cattle unit grazed
Bulls Bullocks or Cows	Buffaloes	Cows, Bulls, Bullocks	Buffaloes	Cows Bulls Bullocks	Buffaloes	
12	13	14	15	16	17	18

Appendix No. XXXVI

NURSERY REGISTER FORM

FORM NO. 1

GENERAL PARTICULARS

Division :- Range :- Area :-

1. Name of the Nursery :-
2. Location :-
3. Year of formation :
4. Locality factors :-
   (a) Climate :- Average Rainfall Temperature Max. Min.
   (b) Topography :-
   (c) Soil Condition and Classification :-
5. Previous vegetation:-
6. Legal Position of the land:-
7. Water supply:-
8. Scope for future expansion:-

FORM NO. 2

INITIAL FORMATION

PART – 1

NON-RECURRING ITEM

Item	Brief Description of work done	Total Expenditure of the item	Sanctioned Amount	Remarks
1	2	3	4	5

PART – II

SUMMARY OF ANNUAL RESULTS

Year	Total cost incurred	Total Planting Stock Produced							
		Regular Plantation		A forestation		Van Mahotsava		Miscellaneous	
		Name of Species	No.	Name of Species	No.	Name of Species	No.	Name of Species	No.
1	2	3	4	5	6	7	8	9	10

Disposal of the Planting Stock					
Regular Plantation			A forestation		
Species	No.	Where used	Species	No.	Where used
11	12	13	14	15	16

Disposal of the Planting stock						Remarks
Van-Mahotsava			Miscellaneous			
Species	No.	Where used	Species	No.	Where used	
17	18	19	20	21	22	23

PART – III

REMARKS OF INSPECTING OFFICERS

Date	Inspecting notes	Remarks about compliance where necessary
1	2	3

Total cost initially incurred		
Year	Item	Non Recurring expenditure in subsequent years (Rest of the columns as above)

FORM NO. 3

NURSERY REGISTER (INITIAL FORMATION)

(RECURRING ITEMS)

(To be filled in for every year and tagged on the register)

Year	Item	Total Expenditure for the item	Sanctioned Amount
1	2	3	4

1. Renovation of beds.
2. Maturing
3. Providing side supports
4. Shading of beds
5. Purchase and collection of seed and origin of seed.
6. Purchase of container.

7. Purchase of other materials if any
8. Sowing
9. Transplanting in beds.
10. Sowing or transplanting in containers.
11. Cost of missing of seedlings.
12. Wages of Mali and temporary staff.
13. Wages of labourers
14. Cost of running pump.
    (a) Diesel oil
    (b) Lubricating oil
    (c) Maintenance including repairs and parts.
    (d) Any other items
15. Brief description of works.
    (Type of bed, Size and no. of beds, method of formation etc. details of containers use etc.)
16. Total cost for the year:-

FORM NO. 4

NURSERY REGISTER

DETAILED LAY OUT OF THE NURSERY

(To be shown roughly to a scale of 1" = 33' or any other suitable scale)

FORM NO. 5A (i)

NURSERY REGISTER

STOCK LEDGER OF SOWN BEDS

Species	Size of beds & No.	Date of sowing	Quantity of Seed Sown	Period of Germination	Stock Raised	Distribution of stock (For)	
						Transplanting on beds	Transplanting in Polythene bags
1	2	3	4	5	6	7	8

FORM NO. 5 A(ii)

NURSERY REGISTER

STOCK LEDGER FOR TRANSPLANTING BEDS

Species	Period of transplanting	No. of beds	No. of beds transplanted	Spacement	Distribution	
					No. bed used	Balance
1	2	3	4	5	6	7

FORM NO. 5B

NURSERY REGISTER

STOCK LEDGER OF SOWN BEDS

Species	Size of Beds & No.	Date of Sowing	Quantity of seed sown	Period of germination	Stock raised	Distribu tion	Remarks
1	2	3	4	5	6	7	8

FORM NO.L 6

NURSERY REGISTER

DETAILS OF PLANTING STOCK RAISED OTHERWISE THAN ON THE BEDS

Species	Type of containers	No.	Direct sowing or Transplanting	Disposal		Remarks
				No. of Seedling	No. of seedling disposed of	
1	2	3	4	5	6	7

FORM NO. 7

NURSERY REGISTER

SUMMARY OF ANNUAL RESULTS

Year	Total cost incurred	Total planting stock produced							
		Regular Plantation		A forestation		Van Mahotsava		Name of Species No.	
		Name of Species	No.	Name of Species	No.	Name of Species	No.	Name of Species	No.
1	2	3	4	5	6	7	8	9	10

Disposal of the planting stock produced									
Regular Plantation			A forestation			Van-Mahotsava			Remarks
Species	No.	Where used	Species	No.	Where used	Species	No.	Where used	
7(a)	7(b)	7(c)	8(a)	8(b)	8(c)	9(a)	9(b)	9(c)	10

FORM NO. 8

NURSERY REGISTER

REMARKS OF INSPECTING OFFICER

Date	Inspecting notes and instruction issued	Remarks about compliance with the note
1	2	3

FORM NO. 9

NURSERY REGISTER

REVENUE REALIZATION IF ANY

Year and Date	Amount	Details	Remarks
1	2	3	4

FORM NO. 10

NURSERY REGISTER

GERMINATION TEST

Species	Origin of seed	Seed weight	Result of Cutting test	Pretreat ment	No. of seed used	Date of sowing	Date of germination	No. of germinated
1	2	3	4	5	6	7	8	9

Appendix No. XXXVII

PLANTATION REGISTER FORMS

FORM NO. 1

TREATMENT MAP

(Trace showing the areas under Rab, Trenching, Pitting, Uralist or any other type of and preparation depending upon the Slope, Drainage type and Depth of soil etc. should be given)

FORM NO. 2

GENERAL INFORMATION

1. **Name of the Plantation** :-
2. **Year of Plantation** :-
3. **Range/Division** :-
4. **Location** :-
5. **Area in categories such as –**
   - (i) Reserved Forests:
     - (a) Already in charge of Forest Department
     - (b) Taken over from revenue department
   - (ii) Protected Forests-
     - (a) Already in charge of Forest Department
     - (b) Taken over from revenue department
   - (iii) Any other type
6. **Topography, Aspect, Slope, Rock and Soil. (Trial pits should be taken and soil profiles described)**
7. **Climate:-**
8. **Rainfall:-**

Year	Total Amount of Rainfall	No. of Rainy days

9. **Temperature:-**

Year	Maximum/Month	Minimum/Month

FORM NO. 3

TRACE SHOWING AREAS PLANTED WITH DIFFERENT SPECIES

FORM NO. 4

DESCRIPTION OF WORKS DONE

1. Details of operations carried out:-

(a) Robbing **Total Area:-**

(b) Tracing

Type	Size	No. of Trenches	Area Covered

(c) Pitting

Type	Size	No. of Pits	Area Covered

2. **Any other operations**:-

(i) Staking – No. of stakes

(ii) Maturing

3. **Plantation works carried out**:-

(a) Species and method of planting or sowing, with spacement adopted.

(b) Details of seed sown, its origin and viability, seedlings or stumps

Planted

Species	Quantity of seed sown	No. of stumps planted	No. of seedlings planted with dates of planting

Species	Date of Sowing	Date of Planting	Naked	Mossed	Potted	Total

4. **Causalities replacement**:-

Year	Species	No. of seedlings/stumps	Dates of replacement

5. **Weeding**:-

Year 1st/2nd/3rd	Type of Weeding	Period of weeding	Remarks (Clean/strip/around plants etc.)

6. **Fertilizers used**:-

Kinds	Quantity	Dosage given	Date

7. **Insecticides used**:-

Kinds	Quantity	Dosage given	Date

8. **Fire Protection:-**

Year	Date	Length	Width

FORM NO. 5

COUNT OF SURVIVALS

Sr. No.	Name of species	No. planted	Year	Survivals				Remarks
				As on 31st Oct		As on 30th May		
				No.	Percent	No.	Percentage	
1	2	3	4	5	6	7	8	9

FORM NO. 6

COST OF OPERATIONS

(In Rs.)

1. Demarcation and marking.
2. Clear felling or clearance of site
3. Pre-plantation works
4. (a) Preparation of Rab.
   (b) Digging of Pits.
   (c) Contour Trenching
   (d) Formation of Uralies
   (e) Any other operation (Cost of maturing)
   (f) Burning of Pits.
   (g) Preparation of stakes
   (h) Aligning and staking

5. Collection of seed for direct sowing
6. Preparation of stumps & transportation.
7. Weeding:
   I.
   II.
   III.
8. Causalities replacement in the 1st year of planting
9. Fire protection.
10. Nursery preparation cost
11. Any other items such as fencing etc.
12. Total expenditure to the end of 1st year.

FORM NO. 7

COST OF SUBSEQUENT YEARS OPERATIONS

Year	Brief account of work done and dates	Total expenditure incurred in Rs.	Expenditure per ha. in Rs.	Remarks
1	2	3	4	5

FORM NO. 8
RECEIPTS REALISED

Year	Date	Particulars	Amount realized in Rs.	Remarks
1	2	3	4	5

FORM NO. 9

INSPECTION NOTES

Date	Inspection Notes, and instruction issued	Remarks about compliance wherever necessary
1	2	3

--000--

Appendix No. XXXVIII

DIVISIONAL NOTE BOOK

Serial No.	Subject	Reference
1	2	3

1. **BLACK LIST OF**
   - (a) Government Servant
   - (b) Contractor
2. **STATISTICS**
   - (a) Teak
   - (b) Semal
   - (c) Other species
3. **OTHER SPECIES**
4. **WORKING PLAN**
   - (i) Seed year
   - (ii) Reproduction of tree species either by seed or by coppice as a result of Working the forests or advance grazing closures
   - (iii) Nursery and plantation (Inspection notes of superior officers in the nature of a periodical review)
5. **INJURIES TO WHICH THE CROP IS LIABLE** :-
   - (a) Natural phenomena i.e. frost, drought etc.
   - (b) Insects and fungi
   - (c) Wild animals
   - (d) Erosion
   - (e) Climbers
6. **MINOR FOREST PRODUCE** :-
   - (i) Kulu gum
   - (ii) Tendu leaves
   - (iii) Katha etc.
7. **FINANCIAL RESULTS**
8. **GRAZING** :-
   - (a) General

(b) Effects of closures on pasture conditions and reproduction of tree Species

9. FIRE PROTECTION
10. LABOUR SUPPLY
11. EXPERIMENTS AND TESTS
12. FOREST BOTANY
13. FOREST ZOOLOGY
14. FOREST OFFENCES (Mention only those of a special nature)
15. WATER SUPPLY
16. GAME PRESERVATION AND SHOOTING
17. PROTECTED FORESTS
18. MISCELLANEOUS.

--000—

Appendix No. XXXIX

Statement showing Man-Animal killed & injured by wild animal & Compensation paid.

Sr. No.	Cases	Year of Cases	No. of Cases	Compensation Amount
1	Cattle Killed	2015-16 to 2024-25	9	89800
2	Injured (Human)	2015-16 to 2024-25	0	0
3	Human Killed	2015-16 to 2024-25	0	0
Total				89800

Appendix No. XL

Rotation Period in F.D.C.M. Ltd.

FOREST DEVELOPMENT CORPORATION OF MAHARASHTRA LTD.

(Govt. of Maharashtra Enterprise)

(Regd. Office:- 12, Rawel Plaza, Kadbi Chowk, Kamathi Road, Nagpur-440004)

Phone – 2533442, 2533475, Fax – 91-0712-2551686

E-mail :- mdfdcmp_ngp@sancharnet.in

PLN/11/2003-04/984, Nagpur, Dated 2.6.2004

To,

The General Managers (All)
F.D.C.M. Limited

Subject:- Rotation period of Teak in F.D.C.M. Limited.

1.0 The successful and established Teak plantations with the F.D.C.M. Ltd. have been allocated to the Teak Production Working Circles/Teak Plantation Management Working Circle in the Management Plans. Tending operations like cleaning and thinning have been prescribed therein as per revised thinning instructions conveyed vide this office letter no. PLN/05/F-II, Dated 2.9.1999 According, after first thinning in the 10th year of plantations, second and subsequent thinning are proposed at an interval of every five years. Further, in the management plans of some of the Forest Project Divisions the age of rotation indicated for Teak is 40 years based on the financial rotation.

2.0 In view of the fact that the Management Plans in F.D.C.M. Ltd. are under revision, it was felt necessary to review the prescribed rotation period of Teak after taking into consideration the economic as well as Silvicultural aspects and accordingly, a Committee was constituted vide letter No. PLN/11(2003-04) 3862 dated 29.11.2003 under the Chairmanship of Shri Tasneem Ahmad, Chief Conservator of Forests (Territorial) Amravati Circle. The Committee has submitted its report after analyzing the data of growth of teak as well as the market trends on teak over the last few years.

3.0 On the basis of the report of the Committee, the rotation period of teak in F.D.C.M. Ltd. is fixed at 80 years, irrespective of the site quality for Teak. This shall be applicable to all Teak plantations with the Company i.e. plantations raised by Forest Department prior to 1969, Teak plantations raised by F.D.C.M. Ltd. after clear felling up to 1987 and again after 2001 and plantations raised without clear felling including those raised under the scheme of Enrichment Plantation Westland Development Project (Bankable) Phase-I and FP-I model of Maharashtra Forestry Project.

4.0 Thinning would be carried in all these plantations as prescribed up to 70th year of plantation. No further thinning will be done in the plantation after 70th year thinning is done till it reaches 80 years of age when it would be ready for final felling. All efforts should be made to ensure complete protection of plantations from the grazing illicit felling of trees etc. till its final felling on completion of rotation period.

5.0 The schedule of cleaning thinning and final felling due in Teak plantations in the next plan period up to 2015-16 is enclosed herewith. It is requested that the same may be considered while revising the Management Plans of the respective Divisions. These instructions will be reviewed after ten years interval taking in to consideration the relevant data at that point of time.

Encl. : As above

Sd/-

Managing Director

Copy along with enclosure to Divisional Managers (all) / Sectional Heads (all) F.D.C.M. Ltd. Nagpur for information and necessary action.

Appendix No. XLI

List of Medicinal Value Climbers

LIST OF MEDICINAL VALUE CLIMBERS

Sr. No.	LOCAL NAME	BOTANICAL NAME	FAMILY
1	Chilar	*Caesalpinia decapetala (Roxb)*	Caesalpiniaceae
2	Chilati	*Mimosa hamata (Willd)*	Mimosaceae
3	Dudhi/ Nagvel	*Cryptolepis buchanani (Roem)*	Periplaceae
4	Eroni	*Zizyphus oenoplia (Linn)*	Rhamnaceae
5	Gunj	*Arbus precatorius (Linn)*	Fabaceae
6	Gulvel	*Tinospore cordifolia (Willd)*	Menispermaceae
7	Kajkuri	*Mucuna pruriens(L)*	FAbaceae
8	Khobarvel	*Hemidesmus indicus (Linn)*	Periplieonaceae
9	Piwarvel	*Combretum ovalifolium (Roxb)*	Combretaceae
10	Shataori	*Asparagus recemosus*	Asparagaceae
11	Ghotwel	*Smilax macrophylla*	Smilacaceae
12	Raktwel	*Ventilago Denticulata*	Rhamnaceae

*****

Appendix No. XLII
Yearwise works carried out and timber produced in various Working Circle

1) Teak Plantation Management Working Circle

Sr. no.	Year of working	Total Target area (Ha.)	Total area worked (Ha.)	Actual production			
				Timber (Cum)	Poles		Fuel wood (cum.)
					Nos.	Cu.m.	
1	2015-16	3169.198	3067.848	4077.163	233515	4200.934	4547.400
2	2016-17	2700.499	2568.309	4156.998	127018	2285.053	3757.200
3	2017-18	2165.310	2110.176	5459.196	37454	673.797	1956.000
4	2018-19	1702.617	1587.910	4577.296	0	0.000	1195.500
5	2019-20	1933.720	1932.235	5013.080	92571	1665.352	2326.200
6	2020-21	3018.505	2958.505	5350.564	98199	1766.600	3333.900
7	2021-22	2991.804	2804.249	3741.520	57560	1035.504	2982.000
8	2022-23	2074.910	2019.786	3541.502	26427	775.421	2395.200

2) Teak Plantation Working Circle

Sr. No.	Year of Working	Total Target area (Ha.)	Total area worked (Ha.)	Actual production			
				Timber (cum)	Poles		Fuel wood (cum)
					Nos.	Cu.m.	
1	2015-16	410.743	203.011	6133.178	8169	146.960	5844.600
2	2016-17	348.207	212.941	5072.791	3910	70.341	5715.600
3	2017-18	335.805	152.360	3667.333	6561	118.032	3649.800
4	2018-19	352.281	150.230	4240.641	0	0.000	5570.400
5	2019-20	307.221	158.900	5471.302	5228	94.052	5562.000
6	2020-21	366.652	171.374	5214.094	4142	74.515	5094.300
7	2021-22	271.000	271.000	5456.391	4567	82.160	5437.200
	Arrears (2020-21)		20.500				
8	2022-23	266.987	226.987	4970.321	11145	200.499	5276.400
9	2023-24	266.970	226.970	5998.906	11197	201.434	4039.200

3) Improvement Working Circle

Sr. no.	Year of working	Total area worked (Ha.)	Actual production		Actual Timber production per ha
			Timber (Cum)	Fuel wood (cum.)	
1	2015-16	975.078	642.395	417.150	1.060
2	2016-17	241.997	197.724	123.000	1.298
3	2017-18	868.463	61.883	40.050	0.116
4	2018-19	584.894	238.480	43.000	0.477
5	2019-20	94.754	41.301	17.000	0.605
6	2020-21	614.090	97.051	15.000	0.179
7	2021-22	510.510	5.485	19.000	0.0479
8	2022-23	503.730	93.381	51.600	0.286

Annexure XLIII

TALUKA WISE GROUND WATER RESOURCES OF GADCHIROLI DISTRICT

MAHARASHTRA (MARCH 2009)

Administrative Unit	Command / Non-Command / Total	Net Annual Ground Water Availability	Existing Gross Ground Water Draft for irrigation	Existing Gross Ground Water Draft for domestic and industrial water supply	Existing Gross Ground Water Draft for All uses	Provision for dimestic and industrial requirment supply to 2025	Net Ground Water Availability for future irrigation development	Stage of Ground Water development (%)	Category
Aheri	Command								
	Non-Command	9611.91	606.5	186.91	793.41				
Total	**9611.91**	**606.5**	**186.91**	**793.41**	**374.05**	**8664.39**	**8.25**	**Safe**	
Sironcha	Command								
	Non-Command	9206.31	2336.47	130.09	2466.55				
Total	**9206.31**	**2336.47**	**130.09**	**2644.55**	**260.17**	**6609.67**	**26.79**	**Safe**	

Annexure XLIV

Species wise diameter distribution of various working circles

Sr. No.	Name of Working Circle	Species	No. of trees per ha. In various Girth Class										Total
			16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Up	
1	TPMWC	Teak	27.5	23.4	57.8	61.18	48.1	2.21	1.9	0.83	0.03	0	**222.95**
2	CWC	Teak	2.12	3.12	11.4	12.91	17.8	13.53	5.21	1.1	0.2	0	**67.39**
3	Protection W.C.	Teak	3.18	2.61	2.89	1.3	1.42	1.78	0.9	0.71	0	0	**14.79**

Sr. No.	Name of Working Circle	Species	No. of trees per ha. In various Girth Class										Total
			16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Up	
1	TPMWC	Ain	0.92	1.3	0.11	1.2	0.98	0.72	1	0.1	0	0.3	**6.63**
2	CWC	Ain	3.1	3.57	17.5	14.09	14.32	6.82	7.25	2.4	2.76	1.2	**73.01**
3	Protection W.C.	Ain	4.88	5.21	4.9	2.1	3.17	2.39	1.4	2.7	0.1	0.1	**26.95**

Sr. No.	Name of Working Circle	Species	No. of trees per ha. In various Girth Class										Total
			16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Up	
1	TPMWC	Anjan	0.2	0.4	1.2	1	0.98	0.5	0	1.1	0	0	**5.38**
2	CWC	Anjan	2.4	1.5	1.6	0.8	1.5	1.84	0.5	0.5	0.7	0	**11.34**
3	Protection W.C.	Anjan	0.68	1.1	0.5	0.4	0.38	0.62	0.5	0.7	0	0	**4.88**

Sr. No.	Name of Working Circle	Species	No. of trees per ha. In various Girth Class										Total
			16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Up	
1	TPMWC	Dhawada	0.2	0.95	1.34	1.52	1.1	0.5	0.1	0.6	0	0	**6.31**
2	CWC	Dhawada	2.1	1.41	5.8	4.1	2.79	3.13	2.1	1	0	0	**22.43**
3	Protection W.C.	Dhawada	2.12	2.06	1.44	1.83	1.1	0.89	0.1	0.7	0.1	0	**10.34**

Sr.	Name of	Species	No. of trees per ha. In various Girth Class	Total

No.	Working Circle		16-30	31-45	46-60	61-75	76-90	91-105	106-120	121-135	136-150	151 Up	
1	TPMWC	Khair	0.1	0.2	0.2	0	0	0	0	0	0	0	**0.5**
2	CWC	Khair	1.2	1.4	2.3	0.23	0.12	0	0	0	0	0	**5.25**
3	Protection W.C.	Khair	1.2	1.7	0.5	0.1	0.6	0.1	0.1	0	0	0	**4.3**

Annexure XLV

VALUATION OF THE FOREST RESOURCES

Value accrued from extraction of Timber Forest Produce is given below

Sr. No.	Financial year	Revenue realized (Lakh)
1	2008-09	2113.85
2	2009-10	2158.90
3	2010-11	2011.20
4	2011-12	2736.29
5	2012-13	1737.99
6	2013-14	1502.52
7	2014-15	2059.43
8	2015-16	3137.35
9	2016-17	5112.00
10	2017-18	2556.00
11	2018-19	2564.02
12	2019-20	3903.99
13	2020-21	2954.41
14	2021-22	5232.57
15	2022-23	3182.91
16	2023-24	4517.24

Annexure XLVI

LABOR WELFARE CIRCULAR BY MD

HEALTH AND SAFETY RELATED GUIDELINES

Forestry operations are a crucial aspect of sustainable forest management. However, it also involves various health and safety risks to workers involved in the process. It is essential that the well-being of workers be prioritized, and proper guidelines be in place to ensure a safe working environment during the operations. This document provides comprehensive guidelines for health and safety practices to be followed during various forestry operations.

A. FOR NURSERY

It is necessary to prioritise the well-being of workers to ensure a safe working environment for the workers employed in the nursery work.

- Risk Assessment-To identify the potential hazards and dangers for the workers employed in the nursery operation.
    1. Skin irritation from spraying of pesticides and insecticides.
    2. While Preparing the Teak Bed chances of injury to workers by tools
    3. While Application of Fertilizer to teak plant chances of accidental inhaling leading to dizziness, Vomiting, Nausea.
    4. Electrical Short-circuit or fire hazards in storage godown of nursery.
- Training and Supervision- Ensure that all workers receive proper training on identification, handling of chemicals, safety protocols, equipment usage and emergency response. Supervision from our staff should be provided to oversee operations and enforce safety. These training sessions should be on regular basis by staff.
- Personal Protective Equipment-Every nursery should provide sufficient Personal protective equipment such as mask, gloves, PPE kit, Boots, transparent goggles/face shield, respirators etc. to workers during handling of chemicals and spraying and also for the bed preparation safety boots are necessary to avoid injury by tools.
- Other necessary information in vernacular for pesticides handling to local labours is necessary for their understanding. Displays to that effect must be installed in all nursery sites.
- Emergency Plan-
    1. Nursery to have well defined map / plan of entry & exit point in case of emergency.
    2. Establish assembly points where employees gather during emergency.
    3. Nursery should be equipped with First Aid box.
    4. Nursery should display phone numbers of following emergency services.
        - Nearby Police Station.
        - Nearby Fire brigade station.
        - Nearby Hospitals / Doctor

- Staff of the Nursery.

- Fire Safety- Suitable fire-fighting equipment should be provided for the purpose of control of emergency fire. These equipment should be maintained and checked regularly. Suitable training, instruction, information should be given to workers about the chemicals causing fire and about the fire-fighting equipment.
- Spraying Pump- Separate use for Insecticide & Herbicide pump is recommended considering the safety of labours.

B. FOR PLANTATION SITE

By adhering to these guidelines, one can help ensure the health and safety of workers at the plantation site while promoting a productive and sustainable environment for tree cultivation.

1. Training and Supervision: It must be ensured that proper training on safety protocols, equipment usage, and emergency procedures is imparted to all workers. All operations must be under strict supervision of an officer not below the rank of RFO.
2. Personal Protective Equipment (PPE): Workers should be equipped with appropriate PPE such as helmets, gloves, safety goggles, steel-toed boots, and gumboots etc.
3. Safe Work Practices: Emphasis should be placed on safe work practices such as maintaining a safe distance from machinery in operation, using tools properly, and avoiding shortcuts that may compromise safety. Walking alone through jungle areas to avoid wildlife attacks should be avoided. Touching any unknown plants/fruits should be avoided.
4. Risk Assessment: A thorough risk assessment of the site should be conducted to identify potential hazards such as uneven terrain, falling branches, machinery, or wildlife.
5. Environmental Considerations: Compliance with the Insecticide Act, 1968, and Insecticide Rule, 1971, should be ensured. Training on the safe handling, storage, and disposal of chemicals such as fertilizers, herbicides, and pesticides should be provided. Proper labelling, mixing, and application procedures should be followed to minimize exposure risks.
6. Weather Conditions: Weather forecasts should be monitored, and outdoor work should be suspended during adverse weather conditions such as thunderstorms, high winds, or extreme temperatures.
7. Communication: Clear communication channels should be maintained between workers, field functionaries, and management to address safety concerns, provide updates, and disseminate important information.
8. Regular Inspections: Regular inspections of the plantation site should be conducted by the concerned officer to identify any potential hazards or safety issues, and corrective actions should be taken promptly.
9. Hydration and Sun Protection: Workers should be encouraged to stay hydrated by providing access to clean drinking water and scheduling regular breaks in shaded areas. The use of caps and light-colour, lightweight clothing should be promoted to protect against sun exposure.

10. Wildlife Awareness: Workers should be educated about potential encounters with wild animals. Guidance on how to react safely and avoid confrontations should be provided. The use of deodorants or perfumes, which may irritate wildlife, should be avoided.
11. Fire Prevention: A fire prevention plan should be developed and communicated, which includes measures such as maintaining fire lines and prohibiting smoking in jungle areas. Fire extinguishers and air blowers should be made available at the plantation site to tackle any emergency situations.
12. Community Engagement: Positive relationships with local communities and stakeholders should be fostered by addressing their concerns, communicating openly about plantation activities, and implementing measures to mitigate potential impacts on neighbouring properties.
13. Worker Well-being: The overall well-being of workers should be promoted by addressing factors such as workload, fatigue, and mental health. A culture of support and open communication should be encouraged, and resources for stress management and counselling should be provided if needed. Regular health checkups should be conducted.
14. Documentation and Record-keeping: Thorough records of safety inspections, training sessions, incident reports, and other relevant documentation should be maintained. This information should be used to track trends, identify areas for improvement, and demonstrate compliance with regulatory requirements.
15. Security Hut: A security hut should be built near the site for rest and changing clothes.
16. Regular Review and Updates: Health and safety policies, procedures, and training materials should be regularly reviewed and updated to reflect changes in site conditions, technology, or best practices. Feedback from workers and stakeholders should be solicited to ensure that safety measures remain effective and relevant.
17. Phone Numbers for Emergency Services: Phone numbers for emergency services such as fire, Rapid Response Unit (RRU) for wildlife-related conflicts, hospitals, police stations, and local forest authorities should be provided.

C. HARVESTING OF FOREST PRODUCE

General Guidelines:

1. Risk Assessment: A thorough risk assessment should be conducted before the harvesting process is started. Potential hazards such as falling trees, uneven terrain, wildlife encounters, and adverse weather conditions should be identified. Strategies to mitigate these risks should be developed to ensure the safety of workers.
2. Training and Education: It should be ensured that all workers undergo proper training on safety procedures and protocols before engaging in harvesting activities. Information on potential hazards, emergency response plans, and the proper use of personal protective equipment (PPE) should be provided.

3. Personal Protective Equipment (PPE): All workers must be equipped with safety gears like helmets, gloves, high visibility clothing, and safety boots, to protect themselves from potential injuries.
4. Equipment Maintenance: All harvesting equipment, such as chainsaws, axes, and vehicles, should be regularly inspected and maintained to ensure they are in proper working condition. Faulty equipment can increase the risk of accidents and injuries during harvesting activities.
5. Communication: Clear communication protocols should be established among workers to effectively coordinate activities and respond to emergencies promptly. Radios, whistle signals, or other communication devices should be used to stay connected in remote forest areas.
6. Emergency Response: An emergency response plan should be developed and communicated that outlines procedures to follow in case of accidents, injuries, or medical emergencies. Workers should be trained on how to respond to different types of emergencies, and access to first aid kits and emergency contact information should be provided.
7. Hazardous Tree Identification: Workers should be trained to recognize signs of potentially hazardous trees, such as dead or leaning trees, cracked trunks, or unstable branches. Working near these trees should be avoided, and consideration should be given to removing them before starting harvesting activities.
8. Safe Tree Felling Techniques: Proper tree felling techniques, including directional felling, back cutting, and bore cutting, should be employed to control the direction of tree fall and minimize the risk of accidents. A safe distance from falling trees should be maintained, and clear escape routes for workers should be established.
9. Lifting and Carrying Techniques: Workers must be trained for proper lifting and carrying techniques to prevent musculoskeletal injuries, such as back strains or sprains. Mechanical aids, such as winches or pulleys, should be used to lift heavy loads and avoid overexertion.
10. Wildlife Awareness: Workers should be educated on potential wildlife encounters during harvesting activities, such as snakes, bears, or insects. Guidance on how to react to these encounters should be provided, and precautions should be taken to avoid conflicts with wildlife.
11. Hydration and Nutrition: Workers should be ensured to stay hydrated and well-nourished throughout the harvesting process by providing access to clean drinking water and nutritious meals. Regular breaks should be encouraged to rest and refuel to prevent exhaustion and dehydration.
12. Machinery Safety: Machinery such as chainsaws and tractors should be operated only by trained and authorized personnel. All mechanized equipment must be regularly maintained.

D. FOR SAW MILL

Following Hazards are associated with Sawing operations.

Sr No	Component	Hazard Associated with it
1	Sawmilling plant	Saws, ejected timber, machine hazards, and proximity to Cutting Machine.

2	Saw Dust	Hazardous to respiration and creates fire-prone surroundings
3	Noise	Hazardous noise levels associated with operating machinery
4	Housekeeping	Trip hazards, contamination from substances, bad storage, and hygiene
5	Lighting	Lighting of control panels, suitability for tasks, adequate for walkways.
6	Electricity	Electrical plant, switchboards, overhead cables and lights, dust build up.
7	Psychosocial hazards	Effects of work-related stress, bullying, violence and work-related fatigue.

Safety Measures

1. Operators should be equipped with Body Protective gears, like goggles, helmets, gloves, masks, footwear, ear protection device during all time of sawing operations.
2. When handling saw blades, cut resistant gloves made from materials such as kevlar or ballistic nylon should be used.
3. Sawers and cutters must be given training and instruction for safe operation.
4. A slip-resistant good working surface should be provided.
5. Areas should be clear of all obstructions.
6. Precautions should be taken to ensure that dust from stockpiles does not impose on workers or neighbouring properties.
7. Work health and safety training should be regularly conducted at least annually.
8. A first aid box needs to be maintained at work station.
9. An emergency assembly point in a safe location must be marked with a signboard, placed at conspicuous places
10. The emergency response number needs to be provided in visible locations.
11. Dangerous events and near misses - events that could have caused an injury, illness, or incident - need to be reported, and immediate steps to avoid such incidences need to be taken.
12. Eyewash stations need to be installed to provide immediate relief after an accident.
13. Signboards with adequate display in local vernacular should be installed.
14. Caution should be exercised when using electrical power tools near flammable materials.
15. Adequate lighting should be provided.
16. No live wire or uncovered electric wire should be present on the premises.
17. Stockpiles of sawdust and woodchip should be located away from overhead power lines or sources of combustion and clear of waterways.
18. Woodchip and sawdust stockpiles must be maintained in a manner to eliminate the risk of collapse.
19. Adequate fire-fighting equipment in working condition should be available in the event of a fire.
20. The correct type of grinding wheels should be ensured for the task.

21. Purpose-built racks should be used to store circular saw blades whenever they are not in use. These should be guarded, and if possible, located away from walkways and access routes.
22. Areas where large blades are stored should have restricted access.
23. Old or unused saw blades should not be left unprotected in the work area.
24. Only trained persons should undertake saw sharpening and maintenance.
25. Sharpening and grinding equipment must be properly guarded.
26. Automatic sharpening equipment must be located away from walkways and access routes, with appropriate warning signs and barriers to prevent inadvertent contact. Consider restricting access to the sharpening area.
27. Power tools not in use should be safely stored.
28. Power tools must be used following manufacturer instructions.
29. The tool should be visually inspected for damage before use.
30. Defective tools should be removed from service and tagged as unsafe.
31. Persons not directly involved in cutting operation must restricted to a safe distance from machines.
32. Machinery should be regularly maintained, and records should be promptly maintained in the maintenance book.
33. Dust nearby machinery should be removed daily and sent to the dust storage area.
34. The floor area should be clearly marked with lines, Demarcating the area allocated for machine, passageway, storage, and prohibited area.
35. A signboard of Do's and Don'ts must be installed on the premises.
36. Casual labour and work staff must be briefed about the Do's and Don'ts before they are engaged in operations.

E. FOR WASTE MANAGEMENT

A waste management plan is a vital roadmap to cut cost and reduce the environmental impact and contribute in following the Sustainable Development Goals (SGDs) as per the UN convention.

Any Waste management Plan broadly includes few steps:

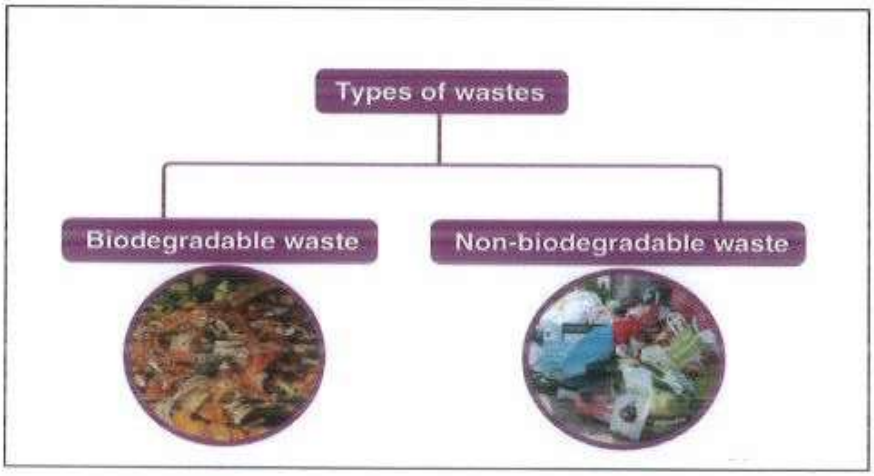
1. Identification of source
2. Classification of waste
3. Collection and Segregation.
4. Disposal methods
5. Way to reduce the waste
6. Knowledge empowerment of every stakeholder in handling the waste

A) **Identification of source:**

Waste may arise out of following sources -

B) <u>Classification of waste:</u>

Biodegradable Waste is the biomass based waste which contains moisture and it readily decays in the nature. Whereas the non biodegradable waste is hard to decay by its own and it need to go through various treatments before disposal



The waste material generated from various sources in FDCM is given in table below.

Sr. No.	Source	Waste material generated
1	Field	Waste material after Harvesting, Cleaning of plantations etc.
2	Office Buildings	Paper waste, e-waste, etc
3	Colonies	Domestic waste
4	Nurseries	Waste after weeding, Fertilizer bags, Pesticides bag and bottles, RT blocks, etc
5	Seed Unit	Processing waste, gunny bags
6	Saw mills	Saw Dust, sawn waste (*farra*), log-end waste, machine blades, grease and oil cans etc
7	Timber Depots	Timber barks, un stackable fire wood
8	Miscellaneous	Waste at construction site, scrap material, written-off material, out of use vehicles, etc

C) <u>Collection, Segregation and Disposal:</u>

Depending upon the source and type of waste generated we can decide the collection and segregation may be dealt as follows.

a) Field:

Waste material after Harvesting, Cleaning of plantations etc. is generated in the field. It majorly includes small branches, leaves, etc which is Biodegradable type of waste. It should be kept in field only to decay naturally or can be converted in to compost for later use.

b) Nurseries:

Nursery is a major production unit in FDCM producing teak stumps, Root Trainer seedlings, other non-teak seedlings in plastic blocks and polybags. Nurseries generate waste after weeding, Fertilizer bags, Pesticides bag and bottles, RT blocks, etc. The green waste after weeding should be converted to compost and vermin compost for the later use in nursery. This will reduce fertilizer cost also.

Nurseries may use highly hazardous pesticides, as well as other agrochemicals. Pesticides can cause a number of acute and chronic severe health effects and illnesses for workers handling them, ranging from allergic reactions to respiratory diseases. The ILO has prescribed the Safety and Health in Agriculture Convention, 2001 (No. 184), which prescribes standards on the safe use of pesticides. It also adopted several Codes of Practice, which provide guidance on the safe use of chemicals. Hence proper disposal of any residual elements of fertilizers and pesticides is prime concern in nursery.

Disposal of remains of insecticides and empty packaging:

1. At the end of the day the inside of the spray pump should be washed and any residual insecticide should be flushed out the lance and nozzle.

2. The rinsing water should be collected and carefully contained in clearly marked drums with a tightly fitted lid. This should be used to dilute the next day's tank loads or disposed properly by the supervisor at disposal sites like pits or digs.

3. In no case Residual insecticides, should be poured in rivers, pools and water sources.

4. Containers made of glass, plastic or metal should be decontaminated where possible by employing a triple rinsing method, which involves being partially filled with water three times & then emptied into a bucket or sprayer for the next application.

5. All empty packaging should be returned to the supervisor for safe disposal according to national guidelines.

6. Empty insecticide containers should never be reused.

7. It shall be the duty of manufacturers, formulators of insecticides and operators to dispose packages or surplus materials and washing in a safe manner so as to prevent environmental or water pollution.

8. The used packages should not be left outside to prevent their re-use.

9. The packages should be broken and buried away from habitation.

Disposal of Expired Insecticides:

1. Adequate measures should be undertaken to avoid expiry of stocks in storehouses.

2. "First Expiry First Out" principle should be strictly followed during stock movements.

3. The expired stock should be returned to manufacturer for disposal as per guidelines preferably through incineration process.

c) Office Buildings:

FDCM has various offices form range level to in Head Quarter at FDCM Bhavan, Nagpur. These offices generate substantial amount of Paper waste, e-waste (computers, printers) etc. According to Maharashtra Pollution Control Board the Urban and Rural Local Bodies like Municipal crop, Municipality, Gram Panchayats have appropriate mechanism for waste disposal. Hence the waste generated from office should be disposed as per protocol set by the Local bodies.

d) Seed Treatment Unit:

Seed treatment units are present in Nagpur, Nashik and Ballarshah. These units process the raw teak seeds. All the pericarp, mesocarp and other waste matter is removed. All three units on average treat around 125 tons of teak seeds per year. Generally, the treatment recovers about 60-65% of processed seeds. The remaining wastage is biodegradable and can be composted for further use.

e) Saw mills:

FDCM has two saw mills at Allapalli and Ballarshah. Saw mills generate tons of waste in the form of saw dust, sawn waste (*farra*), log-end waste, machine blades, grease and oil cans etc. Saw dust has various other uses like making fuel pellets, briquettes. Also, it is useful in poultry industry. Hence it is auctioned frequently. Sawn waste (*farra*) is used as firewood. Hence it is also sold. Other non-degradable waste like steel blades is auctioned as scrap.

D) <u>Way to reduce the waste:</u>

Waste Management Mantra

ESSENTIAL CONTENTS AND USES OF A FIRST AID KIT: A COMPREHENSIVE GUIDE

A first aid kit typically contains essential supplies to provide initial care for common injuries and medical emergencies. While the specific contents may vary based on the size of the kit and intended use, here are the typical items found in a basic first aid kit and their uses:

1. Adhesive bandages: Used to cover minor cuts, scrapes, and blisters to prevent infection and promote healing.
2. Sterile gauze pads: Used to dress larger wounds or apply pressure to control bleeding.
3. Adhesive tape: Used to secure bandages and dressings in place.
4. Antiseptic wipes: Used to clean and disinfect wounds to prevent infection.
5. Antibiotic ointment: Applied to minor cuts and burns to prevent infection and promote healing.
6. Scissors: Used to cut medical tape, gauze, or clothing to access wounds.
7. Tweezers: Used to remove splinters, debris, or insects from wounds.
8. Disposable gloves: Worn to protect the first aider from bodily fluids and to prevent the spread of infection.
9. CPR mask or face shield: Used to provide a barrier between the rescuer and the victim during CPR to reduce the risk of infection.
10. Instant cold packs: Used to reduces welling and relieve pain from sprains, strains, or minor burns.
11. Triangular bandage: Can be used as a sling to support injured arms or to secure splints in place.

12. Emergency blanket: Used to provide warmth and shelter to individuals experiencing shock or exposure to cold temperatures.
13. Sterile eye wash solution: Used to flush foreign objects or chemicals from the eyes in case of eye injuries.
14. Splint: Used to immobilize broken bones or injured limbs to prevent further damage and reduce pain.
15. First aid manual: Provides instructions and guidance on how to administer first aid for various injuries and medical emergencies.

It's important to periodically check and replenish the contents of the first aid kit to ensure that supplies are up-to-date and readily available in case of an emergency. Additionally, individuals should receive training on how to properly use the items in the kit and administer first aid effectively

APPENDIX No. XLVII

Lease of Forest lands to the Forest Development Corporation of Maharashtra Ltd.

Government of Maharashtra,
Revenue & Forests Department,
Resolution No. FDCM. 1074/64746-F-5,
Mantralaya, Bombay-32
Dated: 27th June, 1978.

READ: Government Resolution, Revenue & forests Department,
No. FDB. 1777/253375 (II)-X, dated 16-2-1974.

RESOLUTION

The Forest Development Corporation of Maharashtra Ltd. (A Government of Maharashtra under taking) has been established by the Government for the purpose of Development of the potentially productive forests of the State through intensive management.

Government is therefore, pleased to direct that, for successful implementation of the proposed program, the Forest area as specified in the statement appended to this Resolution should be earmarked to be transferred to the said Corporation on the following terms and conditions: -

1) The Forest Development Corporation of Maharashtra Ltd. will hold the lease of the land mentioned in the appended statement for a period of 30 years, the area being released by the Government progressively in 5 years, blocks. Till such time the area is actually leased to the forest Development Corporation of Maharashtra Ltd. the area will be the absolute property of the Government.
2) The Forest Development Corporation of Maharashtra Ltd. shall utilize approximately 12,000 ha of this land annually for the purpose of raising plantation of economically important species like teak, Bamboo etc. thereon over a period of 30 years.
3) The Forest Development Corporation of Maharashtra Ltd. shall be entitled to use the roads for its bonafide use within or outside the area leased to it. The Corporation shall however be entitled to the use of buildings, rest houses etc. within or outside the area leased to it on such terms and conditions as may be fixed by Government.
4) The Forest Development Corporation of Maharashtra Ltd. shall be at liberty to construct roads, buildings, structures, either of temporary or of permanent nature ancillary to its work on the land leased to its.

5) The Forest Development Corporation of Maharashtra shall be permitted by Government to construct and maintain ropeways or other structures which are necessary for transport of material on Government land outside the land leased to it on mutually agreed terms. The Forest Development Corporation of Maharashtra shall be at liberty to construct the roads outside the area leased to it to serve as feeder extraction roads joining the public roads to the market.

6) The program of raising new crop artificially by the Forest Development Corporation of Maharashtra Ltd. shall not exceed 12,000 ha. in a year without prior permission of Govt.

7) The Forest Development corporation of Maharashtra Ltd. shall pay to Government by way lease rent a sum of Rs. 1/- per annum for a period of 5 year from the commencement of the lease or actual taking over of the leased land, whichever is earlier. After expiry of this period the Forest Development Corporation of Maharashtra Ltd. shall pay the Government, such lease rent as may be firmed by Government.

8) The Forest Development Corporation of Maharashtra Ltd. shall honour all leases entered into by the Government with Industrial concerns prior to the lease of areas to the Forest Development Corporation of Maharashtra. No. new leases with be executed by the Government without the consent of the Forest Development Corporation of Maharashtra Ltd.

9) The prescription of Working Plane in respect of areas leased to the Forest Development Corporation of Maharashtra Ltd. shall be suspended by Government excepting such provisions of the Working Plans which relate to the exploitation of the Minor Forest produce and which concern the exercise of rights and privileges of the local people and to be protection of the forest lands from erosion, run-off, floods etc. and maintenance of fertility of the land.

10) To maintain the existing crop in hygienic condition to or to carry out any operation silviculturally considered essential, Government shall carry out any or all such operations if so desired by the Forest Development Corporation of Maharashtra a credit net revenue collected by exploitation or arising out of such lands to the Forest Development Corporation of Maharashtra Ltd.

11) The Government shall not entertain any request for grant of a forest land for agriculture or any other use from the land leased to the Forest Development Corporation of Maharashtra Ltd. and also shall not sublet or allot land leased to it for agriculture or any other purpose without prior approval of the Forest Development Corporation of Maharashtra Ltd.

12) The period of lease of the land to the Forest Development Corporation of Maharashtra shall be 30 years from the date of taking over possession thereof. Renewal or otherwise of the lease further shall be considered by the Government on merits on such terms and conditions as may be mutually agreed upon.

This revolution issued with the concurrence of the Finance Department vide that Department's official reference No. 338 EXP-10, dated 13/6/1978.

By order and in the name of the Governor of Maharashtra

Sd/-
Section Officer F-5
Revenue and Forests Department.

Accompt :- Statements.

To, The Chief Conservator of Forests, Maharashtra State, Pune (with 5 spare copies)

The Managing Director, F.D.C.M.Ltd. Nagpur (with 5 spare copies)

The Accountant General Maharashtra State, I, Bombay.

The Accountant General Maharashtra State, II, Bombay

The Finance Department. (EXP-10)

The Desk F-5, Revenue & Forests Department (Select File)

Accompaniment to G.R., R. & F.D., No./FDC.1074/64746-F5.dt.27-6-79.

APPENDIX No. XLVIII

REVENUE AND FOREST DEPARTMENT

Madam Cama Marg, Hutatma Rajguru Chowk, Mantralaya,
Mumbai 400 032, Dated the 30th January, 2024.

NOTIFICATION

MAHARASHTRA PAYMENT OF COMPENSATION FOR LOSS, INJURY OR DAMAGE CAUSED BY WILD ANIMALS ACT, 2023.

No. WLP-02.23/CR.52(Part-II)/F-1.— In exercise of the powers conferred by sub-section (*1*) of section 8 of the Maharashtra Payment of Compensation for Loss, Injury or Damage Caused by Wild Animals Act, 2023 (Mah. XXXVII of 2023), the Government of Maharashtra hereby makes the following rules, namely :–

1. *Short title.*— These rules may be called the Maharashtra Payment of Compensation for Loss, Injury or Damage Caused by Wild Animals Rules, 2023.

2. *Definitions.*- (1) In these rules, unless the context otherwise requires,—

(*a*) "Act" means the Maharashtra Payment of Compensation for Loss, Injury or Damage Caused by Wild Animals Act, 2023 (Mah. XXXVII of 2023);

(*b*) "Family" means wife, husband, children, mother or father of a victim;

(*c*) "Form" means the Form appended to these rules.

(2) Words and expressions used but not defined in these rules shall have the same meanings as are respectively assigned to them under the Act.

3. *Other types of injuries or damages.*— In addition to types of injuries or damages caused due to attack of wild animal provided in sub-section (*2*) of section 3 of the Act, the State Government shall also pay compensation under the said Act for minor injury to humans caused due to attack of wild animal.

4. *Sanctioning Authority.*— The Assistant Conservator of Forest having jurisdiction over the area where incident of attack of wild animal has occurred shall be the Sanctioning Authority for the purposes of the this Act.

5. *Procedure for payment of compensation in case of loss of human life and injury to humans.*—

(1) *In case of loss of human life.*—

(*a*) An intimation about the loss of human life due to attack of wild animal shall be given immediately in writing by any person to the nearest Forest Guard. After receipt of such intimation, the Forest Guard shall confirm whether such incident has occurred and gather information of the incident and report the facts to the concerned Forester and Range Forest Officer immediately.

(*b*) In such cases an application for compensation payable under the Act shall be made by the legal heirs of the deceased to the concerned Range Forest Officer in Form I within forty-eight hours of such incident.

(*c*) The Range Forest Officer, on receipt of such application under clause (b) shall visit the spot of incident and conduct necessary inquiry within three days from the date of receipt of such application. The Range Forest Officer shall make a *Panchnama* after such inquiry.

(*d*) In such cases, the post mortem shall be carried out by the Medical Officer. The Medical Officer shall after the post mortem, forward a post mortem report to the concerned officer.

(2) *In case of permanent disability, major or minor injury to humans.*—

(*a*) In case of permanent disability, major or minor injury to humans caused due to attack of wild animal, an application for the compensation payable under the Act shall be made in Form I, by the injured person himself or any other person from his family to the Range Forest Officer having jurisdiction over the area where such attack has occurred, within forty-eight hours of such incident. The applicant shall also submit alongwith such application a medical certificate of examination of the victim conducted by the Medical Officer.

(*b*) The Range Forest Officer shall, on receipt of an application under clause (a), direct the Forester to visit the spot and conduct necessary inquiry within three days from the date of receipt of such application. The Forester shall draw a *Panchnama* after such inquiry. The Forester shall submit his report alongwith a *Panchnama* to the Range Forest Officer.

(3) The Range Forest Officer shall, after receipt of the report of the Forester, forward the application alongwith his specific recommendation to the Assistant Conservator of Forest within twenty days of the receipt of application complete in all respects.

(4) The injured or deceased person shall not be eligible for receipt of any compensation if the incident of attack by wild animal has taken place while the concerned person is contravening any of the provisions of the Wild Life (Protection) Act 1972 (53 of 1972) or any rules made thereunder.

6. *Payment of compensation in case of loss of human life.*—

(*1*) In case the deceased is an adult, the payment of compensation shall be as follows, namely :—

(*a*) If the spouse of the deceased is alive, the spouse and children shall be given equal share.

(*b*) If the spouse is not alive,—

(*i*) the compensation shall be equally divided amongst all the surviving children if all are major;

(*ii*) if the child is minor, then his share of the amount of compensation shall be deposited into an account opened in the joint name of such minor and the concerned Deputy Collector. Such deposited amount of compensation shall be paid to such minor child after he attains the age of eighteen years.

(c) If the spouse and children of the deceased are not alive, the amount of compensation shall be paid to the parents of the deceased.

(*2*) In case the deceased is a minor, the payment of compensation shall be as follows, namely :—

(*a*) the amount of compensation shall be paid to the parents of the deceased.

(*b*) if the parents are not alive, the siblings of the deceased shall be given equal amount. If the siblings are minor, then the provisions of sub-clause (ii) of clause (b) of sub-rule (1) shall, *mutatis mutandis* apply.

(3) If any dispute arises in respect of the legal heirs of the deceased, the amount of compensation shall be paid only after submitting the succession certificate.

(4) The forty per cent. of the compensation amount shall be deposited in the account of the person to whom it is awarded by the Sanctioning Authority and sixty per cent. of the compensation amount shall be deposited in monthly interest bearing fixed deposit account of such person for ten years. After ten years on maturity of fixed deposit, the amount in such account shall be paid to such person.

(5) The amount in the fixed deposit may be withdrawn with prior approval of the Sanctioning Authority for critical illness, educational purposes and marriage of member of the family of the victim.

7. *Procedure for payment of compensation in case of loss of cattle life or injury to cattle.*—

(*1*) In case of loss of cattle life or injury to cattle, the owner of the cattle shall make an application within forty-eight hours in Form II for claiming compensation to the concerned Range Forest Officer having jurisdiction over the area.

(2) The owner of the cattle shall take care that he or any person shall not move the carcass of the cattle from the spot of the incident till inspection is carried out by Forester, otherwise he shall not be eligible for compensation.

(*3*) The Range Forest Officer shall, on receipt of an application under clause (a), direct the concerned Forester to visit the spot and conduct necessary inquiry within three days from the date of receipt of such application. The Forester shall draw a *Panchnama* after such inquiry.

(*4*) The Forester shall get the deceased or injured cattle examined by the Government Veterinary Officer. The Government Veterinary Officer shall, after examination of the deceased or injured cattle, give Medical Certificate to the Forester after recording specific observations whether death or injury of cattle is caused by wild animal or not. The Forester shall submit his report alongwith a *Panchnama* and such Medical Certificate to the Range Forest Officer.

(*5*) The Range Forest Officer shall, after receipt of report of the Forester, assess the market value of the cattle. The Range Forest Officer shall forward the application and all necessary documents alongwith his specific recommendations to the Assistant Conservator of Forests within twenty days of receipt of application complete in all respects.

(*6*) If the cattle has entered any area of the National Park or Sanctuary where entry of such cattle is prohibited and is killed by wild animal in such area, then the applicant shall not be eligible for compensation under the Act.

(*7*) If any wild animal dies due to poisoning within six days from the date of incident in the radius of ten kilometers from the place of incident, then the cattle owner of such animal shall not be eligible for receipt of the compensation under the Act.

8. *Procedure for payment of compensation in case of damage to crops and fruit plants or damage to property.*—

(*1*) In case of damage to the crops or fruit plants, the owner shall make an application within seventy-two hours in Form III for compensation payable under the Act to the concerned Range Forest Officer having jurisdiction over the area where such attack has occurred.

(2) In case of damage to crops or fruit plants, the Committee comprising of Forest Guard, Agriculture Assistant and Talathi of the area shall jointly inspect the farm and assess the quantum of damage due to wild animal and prepare a report and submit it to the Range Forest Officer within ten days from the date of receipt of an application.

(*3*)In case of damage to the property by wild elephant, the owner shall make an application within seventy-two hours in Form III for compensation payable under the Act to the concerned Range Forest Officer having jurisdiction over the area where such attack has occurred.

(*4*) In case of damage to property by wild elephant, the Committee comprising of the Range Forest Officer, Junior Engineer of Public Works Department and Talathi or Gramsevak of that area shall inspect and assess the damage and draw a *Panchnama* within ten days from the date of receipt of an application. In such incident, the applicant shall not remove anything or modify the scene of incident or carry out any work of repair till the *Panchnama* and assessment of damage is completed by the Committee.

(*5*) The Range Forest Officer shall, after receipt of report of the Committee referred in sub-rules (*3*) and (*4*), as the case may be, immediately forward the application and report of such Committee alongwith his specific recommendations to the Assistant Conservator of Forest.

(*6*) The compensation shall not be payable in respect of the following cases, namely :—

(*a*) if the cultivation land is an un-regularized encroachment on forest land;

(*b*) if the owner of the land or cultivator has committed any offence under the Indian Forest Act, 1927 (16 of 1927) or the Wild Life (Protection) Act, 1972 (53 of 1972) within last three years from the date of incident.

9. *Rate of Interest*.— If the payment of compensation is delayed beyond thirty days from the date of receipt of application complete in all respects by the Range Forest Officer, interest at the rate of six per cent. per annum of amount of compensation shall be payable along with amount of compensation.

FORM I

(*See* rule 5)

APPLICATION FOR CLAIMING COMPENSATION IN CASE OF LOSS OF HUMAN LIFE, PERMANENT DISABILITY, MAJOR OR MINOR INJURY TO HUMANS

To

The Range Forest Officer, ——————————

1. Full name of the applicant :
2. Address :
3. Relationship with the victim :
4. Mobile No. :
5. Aadhaar No.* :
6. Gender :
7. Age :
8. Marital Status* :
9. Name(s) of legal heirs in case of loss of human life:
10. Details of the Bank Account* :
    (*a*) Account Holder's Name :
    (*b*) Account Number :
    (*c*)Name of the Bank :
    (*d*) IFSC Code :
11. Type of Injury (Strike out whatever not applicable)
    (*a*) Loss of human life :
    (*b*) Permanent disability to humans:
    (*c*) Major injury to humans:
    (*d*) Minor injury to humans:
12. Details of the Incident :
    (*a*) Location of the incident :
        (*i*) Village :
        (*ii*) Taluka :
        (*iii*) District :
    (*b*) Date and time of the incident :
    (*c*) Wild animal due to which death or injury is caused :
    (*d*) Any other relevant information :

Signature of Applicant.

*Relevant documents need to be submitted.

FORM II

[*See* rule 7(*1*)]

APPLICATION FOR CLAIMING COMPENSATION IN CASE OF LOSS OF CATTLE LIFE OR INJURY TO CATTLE

To

The Range Forest Officer, ——————

1. Full name of the applicant :
2. Address :
3. Mobile No. :
4. Aadhaar No.* ;
5. Gender :
6. Age :
7. Details of the Bank Account* :
   (*a*) Account Holder's Name :
   (*b*) Account Number :
   (*c*) Name of the Bank :
   (*d*) IFSC Code :
8. Type of Loss / Injury (Strike out whatever not applicable)
   (*a*) Loss of cattle life :
   (*b*) Injury to cattle :
9. Details of the Incident :
   (*a*) Location of the incident :
      (*i*) Village :
      (*ii*) Taluka :
      (*iii*) District :
   (*b*) Date and time of the incident :
   (*c*) Type and number of cattle :
   (*d*) Wild animal due to which injury is caused :
   (*e*) Any other relevant information :

Signature of Applicant.

*Relevant documents need to be submitted.

FORM III

(*See* rule 8)

APPLICATION FOR CLAIMING COMPENSATION IN CASE OF DAMAGE TO CROPS AND FRUIT PLANTS OR PROPERTY BY WILD ELEPHANTS

To

The Range Forest Officer, ————————

1. Full name of the applicant :
2. Address :
3. Mobile No. :
4. Aadhaar No.* :
5. Gender :
6. Age :
7. Details of the Bank Account* :
   (*a*) Account Holder's Name :
   (*b*) Account Number :
   (*c*) Name of the Bank :
   (*d*) IFSC Code :
8. Type of Damage (Strike out whatever not applicable)
   (*a*) damage to crops, fruit plants
   or
   (*a*) damage to property due to wild elephant
9. Details of the Incident :
   (*a*) Land details* :
      (*i*) Village :
      (*ii*) Taluka :
      (*iii*) District :
   (*b*) Date of the incident :
   (c) Type of crop / fruit plants and age of fruit plants :
   or
   (*c*) Details of property:
   (*d*) Any other relevant information :

Signature of Applicant.

*Relevant documents need to be submitted.

By order and in the name of the Governor of Maharashtra,

B. VENUGOPAL REDDY,
Principal Secretary to Government.

ON BEHALF OF GOVERNMENT PRINTING, STATIONERY AND PUBLICATION, PRINTED AND PUBLISHED BY DIRECTOR, RUPENDRA DINESH MORE, PRINTED AT GOVERNMENT CENTRAL PRESS, 21-A, NETAJI SUBHASH ROAD, CHARNI ROAD, MUMBAI 400 004 AND PUBLISHED AT DIRECTORATE OF GOVERNMENT PRINTING, STATIONERY AND PUBLICATIONS, 21-A, NETAJI SUBHASH ROAD, CHARNI ROAD, MUMBAI 400 004. EDITOR : DIRECTOR, RUPENDRA DINESH MORE.

REVENUE AND FORESTS DEPARTMENT

Mantralaya, Madam Cama Marg, Hutatma Rajguru Chowk,
Mumbai 400 032, dated the 30th January, 2024.

NOTIFICATION

MAHARASHTRA PAYMENT OF COMPENSATION FOR LOSS, INJURY OR DAMAGE CAUSED BY WILD ANIMALS ACT, 2023.

No. WLP-02.23/CR-52(Part-III)/F-1.– In exercise of the powers conferred by sub-section (*1*) of section 3 of the Maharashtra Payment of Compensation for Loss, Injury or Damage Caused by Wild Animals Act, 2023 (Mah. XXXVII of 2023), the Government of Maharashtra hereby specifies the rates of compensation payable under the said Act for the loss of human life or injuries to humans and cattle or damage to crops, fruit plants and property caused due to attack of wild animal as follows, namely :–

1. The rate of compensation payable for loss of human life or any injury to human caused due to attack of tiger, leopard, bear, bison, wild pig, jackal, hyena, fox, crocodile, elephant, wild dog, deer, nilgai, monkey or langur, shall be as follows :–

Table

Sr. Nos. (1)	Type of injury (2)	Rate of compensation (3)
(1)	Loss of human life.	Rupees twenty five lakhs.
(2)	Permanent Disability to human.	Rupees seven lakh and fifty thousand.
(3)	Major injury to human.	Rupees five lakhs.
(4)	Minor injury to human.	In case treatment is done in private hospital the cost of treatment or rupees fifty thousand only, whichever is less.

2. The rate of compensation payable for loss or injury to the cattle caused due to attack of tiger, leopard, bear, bison, wild pig, jackal, hyena, fox, crocodile, elephant or wild dogs shall be as follows :–

Table

Sr. Nos. (1)	Type of Livestock (Domestic Animal) (2)	Rate of compensation (3)
(1)	Loss of cow, buffalo or bullock.	Seventy five per cent. of market price of cattle or rupees seventy thousand only, whichever is less.
(2)	Loss of sheep, goats and other livestock defined in clause (*18A*) of section 2 of the Wild Life (Protection) Act, 1972 (53 of 1972) .	Seventy five per cent. of market price of cattle or rupees fifteen thousand only, whichever is less.
(3)	Permanent disability to cow, buffalo or bullock.	Fifty per cent. of market price of cattle or rupees fifteen thousand only, whichever is less.
(4)	Injury to cow, buffalo, bullock, sheep, goat or other livestock.	Medical expenses incurred for treatment of injured cattle shall be paid. Treatment of injured cattle shall be taken in Government or *Zilla Parishad* veterinary hospital. Amount payable shall be limited to twenty five per cent. of the market price of cattle or rupees five thousand only, whichever is less.

3. The rate of compensation payable for damage to crops caused due to attack of wild pig, deer, bison, nilgai, monkey, langur or elephant, shall be as follows :–

Table

Sr. Nos. (1)	Details of damages (2)	Rate of compensation (3)
(1)	Crop damage upto rupees twenty thousand in each case.	Full cost of damage, but not less than rupees two thousand only.
(2)	Crop damage exceeding rupees twenty thousand in each case.	Rupees twenty thousand plus eighty per cent. of the amount above rupees twenty thousand, subject to maximum limit of rupees fifty thousand only.
(3)	Damage to sugarcane crop in each case.	Rupees sixteen hundred per metric ton, subject to a maximum limit of rupees fifty thousand only.

4. The rate of compensation payable for damage to fruit trees caused due to attack of wild pig, deer, bison, nilgai, monkey, langur or elephant, shall be as follows :–

Table

Sr. Nos. (1)	Species and age of tree. (2)	Rate of compensation per tree. (3)
(1)	Coconut tree,- (i) upto one year,	Rupees five hundred only.
	(ii) above one year and upto two years,	Rupees one thousand only.
	(iii) above two years and upto three years,	Rupees three thousand only.
	(iv) above three years and upto four years,	Rupees five thousand only.
	(v) above four years and upto five years,	Rupees seven thousand and five hundred only.
	(vi) above five years.	Rupees nine thousand and five hundred only.
(2)	Betel vine,- (i) upto one year,	Rupees five hundred only.
	(ii) above one year and upto two years,	Rupees five hundred only.
	(iii) above two years and upto three years,	Rupees two thousand only.
	(iv) above three years and upto four years,	Rupees two thousand and five hundred only.
	(v) above four years and upto five years,	Rupees three thousand and five hundred only.
	(vi) above five years.	Rupees five thousand and five hundred only.
(3)	Banana plant.	Rupees two hundred and forty only per plant.

(4)	Grafted Mango tree,- (i) upto one year,	Rupees five hundred only.
	(ii) above one year and upto two years,	Rupees one thousand and five hundred only.
	(iii) above two years and upto three years,	Rupees three thousand only.
	(iv) above three years and upto four years,	Rupees five thousand only.
	(v) above four years and upto five years,	Rupees six thousand only.
	(vi) above five years.	Rupees seven thousand only.
(5)	Orange and sweet lime,- (i) upto one year,	Rupees five hundred only.
	(ii) above one year and upto two years,	Rupees one thousand only.
	(iii) above two years and upto three years,	Rupees two thousand and five hundred only.
	(iv) above three years and upto four years,	Rupees three thousand only.
	(v) above four years and upto five years,	Rupees three thousand and five hundred only.
	(vi) above five years.	Rupees four thousand and five hundred only.
(6)	Other fruit trees,- (i) upto one year,	Rupees two hundred only.
	(ii) above one year and upto two years,	Rupees three hundred only.
	(iii) above two years and upto three years,	Rupees five hundred only.
	(iv) above three years and upto four years,	Rupees six hundred only.
	(v) above four years and upto five years,	Rupees seven hundred only.
	(vi) above five years.	Rupees one thousand only.

5. The rate of compensation payable for damage of coconuts caused due to attack of vultures shall be as follows :-

Table

Sr. Nos. (1)	Name of fruit (2)	Rate of compensation (3)
(1)	Coconut fruit.	Rupees seven per coconut, subject to maximum of rupees four hundred per tree per year. The number of coconut for awarding compensation shall be determined based on the difference of per tree productivity in the last year and actual yield after damage by vulture droppings for the tree where the vulture has made his nest.

6. (1) In case of damage to the farm equipment or other property caused due to attack of wild elephants, the rate of compensation payable shall be as follows :–

Table

Sr. Nos. (1)	Particulars of property (2)	Rate of compensation (3)
(1)	Farm machinery and equipment.	Amount of damage or rupees five thousand only, whichever is less.
(2)	Bullock cart.	Amount of damage or rupees five thousand only, whichever is less.
(3)	Protective wall and fencing.	Amount of damage or rupees ten thousand only, whichever is less.

(2) In case of damage to the building or house caused due to attack of wild elephants, the rate of compensation payable shall be as follows :–

Table

Sr. Nos. (1)	Particulars of building or house (2)	Rate of compensation (3)
(1)	House made of tiles or metal sheet or cement sheet roof or cattle shed.	Amount of damage or rupees fifty thousand only, whichever is less.
(2)	Brick or cement slab building.	Amount of damage or amount sanctioned by the Government for housing or rupees one lakh, whichever is less.

By order and in the name of the Governor of Maharashtra,

VIVEK HOSHING,
Deputy Secretary to Government.

ON BEHALF OF GOVERNMENT PRINTING, STATIONERY AND PUBLICATION, PRINTED AND PUBLISHED BY DIRECTOR, RUPENDRA DINESH MORE, PRINTED AT GOVERNMENT CENTRAL PRESS, 21-A, NETAJI SUBHASH ROAD, CHARNI ROAD, MUMBAI 400 004 AND PUBLISHED AT DIRECTORATE OF GOVERNMENT PRINTING, STATIONERY AND PUBLICATIONS, 21-A, NETAJI SUBHASH ROAD, CHARNI ROAD, MUMBAI 400 004. EDITOR : DIRECTOR, RUPENDRA DINESH MORE.

RNI No. MAHENG /2009/35528

महाराष्ट्र शासन राजपत्र

असाधारण भाग आठ

वर्ष ९, अंक ४८(४)] सोमवार, ऑगस्ट १४, २०२३/श्रावण २३, शके १९४५ [पृष्ठे ४, किंमत : रुपये २७.००

असाधारण क्रमांक ८८

प्राधिकृत प्रकाशन

महाराष्ट्र विधानमंडळाचे अधिनियम व राज्यपालांनी प्रख्यापित केलेले अध्यादेश व केलेले विनियम आणि विधि व न्याय विभागाकडून आलेली विधेयके (इंग्रजी अनुवाद).

In pursuance of clause (*3*) of article 348 of the Constitution of India, the following translation in English of the Maharashtra Payment of Compensation for Loss, Injury or Damage Caused by Wild Animals Act, 2023 (Mah. Act No. XXXVII of 2023), is hereby published under the authority of the Governor.

By order and in the name of the Governor of Maharashtra,

SATISH WAGHOLE,
Secretary (Legislation) to Government,
Law and Judiciary Department.

MAHARASHTRA ACT No. XXXVII OF 2023.

(First published, after having received the assent of the Governor in the "Maharashtra Government Gazette", on the 14th August 2023.)

An Act to make special provisions for payment of compensation for loss of life of, or injury to, humans and cattle and damage to crops and property caused by certain wild animals and for matters connected therewith or incidental thereto.

WHEREAS it is expedient to make special provisions for payment of compensation for loss of life of, or injury to, humans and cattle and damage to crops and property caused by certain wild animals and for matters connected therewith or incidental thereto; it is hereby enacted in the Seventy-fourth Year of the Republic of India, as follows:—

Short title and commencement.

1. *(1)* This Act may be called the Maharashtra Payment of Compensation for Loss, Injury or Damage Caused by Wild Animals Act, 2023.

(2) It shall come into force on such date as the State Government may, by notification in the *Official Gazette*, appoint.

Definitions.

2. *(1)* In this Act, unless the context requires otherwise,—

(a) "cattle" means cow, buffalo, bullock, sheep, goat and includes such other cattle as the State Government may, by notification published in the *Official Gazette*, specify ;

(b) "legal heir" or "successor" means a person, who as per law is entitled to inherit the property of the deceased if he has left any property at the time of his death and also includes any executor or administrator of the deceased ;

(c) "prescribed" means prescribed by rules made under this Act ;

(d) "rules" means the rules made by the State Government under this Act ;

(e) "wild animal" means tiger, leopard, bear, bison, wild pig, jackal, hyena, fox, crocodile, elephant, wild dog, deer, nilgai, monkey and langur and includes such other wild animals as the State Government may, by notification published in the *Official Gazette*, specify.

(2) Words and expressions used in this Act, but not defined hereinabove shall have the same meanings as are assigned to them in the Wildlife (Protection) Act, 1972. 53 of 1972.

Compensation for loss or damages caused due to wild animals.

3. *(1)* The State Government shall pay compensation for any injury to, or loss of life of, humans or cattle or damage to crops or immovable property caused by certain wild animals to the victims or to their legal heirs as per the provisions of this Act.

(2) The State Government shall pay compensation for the following types of injuries or damages caused due to attack of wild animal :—

(a) loss of human life ;

(b) permanent disability to humans ;

(c) major injury to humans ;

(d) loss of cattle life ;

(e) injury to cattle ;

(f) damage to crops, fruit plants ;

(g) damage to property ; or

(h) any other types of injuries or damages as may be prescribed :

Provided that, any loss, injury or damage caused by the accident of vehicle due to crossing of road by wild animal shall not be considered for compensation under clause *(a), (b), (c), (d)* or *(e)*.

(3) The rates of compensation payable under this Act shall be such as may be specified by the State Government by notification published in the *Official Gazette*. The State Government may specify different rates of compensation for different types of injuries to humans and cattle or damage to crops, fruit plants and property by different wild animals.

Procedure for payment of compensation.

4. *(1)* An application for the compensation payable under this Act shall be made by such persons to such Authority in such form and manner and within such time, as may be prescribed.

(2) The Authority shall, after receipt of an application for compensation under sub-section *(1)*, complete in all respects, make an enquiry in such manner as may be prescribed. The Authority shall, after making an enquiry, forward the application alongwith his report thereon to such Sanctioning Authority, as may be prescribed.

(3) The Sanctioning Authority shall, after considering the application alongwith the documents annexed thereto and the report of the Authority, either sanction the compensation payable under this Act or reject the same, after recording reasons therefor in writing:

Provided that, no application for compensation shall be rejected by the Sanctioning Authority unless an opportunity of hearing is given to the applicant.

(4) The compensation shall be paid to the applicant within a period of thirty days of receipt of the application, complete in all respects. Any delay in any payment of compensation after such thirty days shall be liable for payment of interest on the compensation at such rate as may be prescribed.

Penalty for false claims or false statement.

5. If any person makes any false claim for compensation under this Act or makes any false statement before the concerned authorities under this Act, then he shall be liable for penalty of rupees one thousand. The Sanctioning Authority shall impose and recover the penalty in such cases. The penalty shall be recovered as arrears of land revenue.

Removal of doubt.

6. For the removal of doubts, it is hereby declared that nothing contained in this Act shall apply in respect of claims of compensation made prior to the date of commencement of this Act.

Protection of acts done in good faith.

7. No suit, prosecution or other legal proceedings shall lie against the Government, any officer or the authority of the Government or any person for anything which is done, or intended to be done in good faith under this Act or the rules or orders made thereunder.

Power to make rules.

8. *(1)* The State Government may, by notification in the *Official Gazette*, make rules to carry out the purposes of this Act.

(2) Every rule made under this Act shall be laid, as soon as may be, after it is made, before each House of the State Legislature, while it is in session for a total period of thirty days which may be comprised in one session or in two or more successive sessions, and if, before the expiry of the session in which it is so laid or the session immediately following, both Houses agree in making any modification in the rule or both Houses agree that the rule should not be made, and notify such decision in the *Official Gazette*, the rule shall, from the date of such notification, have effect only in such modified form or be of no effect as the case may be; so, however that, any such modification or annulment shall be without prejudice to the validity of anything previously done or omitted to be done under that rule.

Power to remove difficulties.

9. *(1)* If any difficulty arises in giving effect to the provisions of this Act, the State Government may, as occasion arises, by an order published in the *Official Gazette*, do anything not inconsistent with the provisions of this Act, which appears to it to be necessary or expedient for the purposes of removing the difficulty:

Provided that, no such order shall be made after the expiry of the period of two years from the date of commencement of this Act.

(2) Every order made under sub-section *(1)* shall be laid, as soon as may be, after it is made, before each House of the State Legislature.

ON BEHALF OF GOVERNMENT PRINTING, STATIONERY AND PUBLICATION, PRINTED AND PUBLISHED BY DIRECTOR, RUPENDRA DINESH MORE, PRINTED AT GOVERNMENT CENTRAL PRESS, 21-A, NETAJI SUBHASH ROAD, CHARNI ROAD, MUMBAI 400 004 AND PUBLISHED AT DIRECTORATE OF GOVERNMENT PRINTING, STATIONERY AND PUBLICATIONS, 21-A, NETAJI SUBHASH ROAD, CHARNI ROAD, MUMBAI 400 004. EDITOR : DIRECTOR, RUPENDRA DINESH MORE.

APPENDIX No. XLIX

Guidelines for felling of trees in Eco-Sensitive Zone of Protected Areas

Government of Maharashtra

Revenue and Forests Department

Government Circular No. WLP-0217/CR.40/F-1,

Mantralaya, Mumbai-400 032

Dated 06 June, 2019

Read: - Ministry of Environment, Forests and Climate Change Letter F.No.11-63/2012-FC (Pt.) dated 29/09/2016

The Central Government, as per reference cited above has laid down guidelines for felling permission of trees in Eco-Sensitive Zone of Protected Areas as under-

There shall be no felling of trees on the forest, non-forest land or government or revenue or private lands falling within the Eco-Sensitive Zone of protected areas without prior permission of the competent authority duly notified by the State Government.

In case there is no Competent Authority notified by the State Government in such interim period, the Principal Chief Conservator of Forests in-charge of the territorial forests shall be the Competent Authority for this purpose and will grant permission for tree felling on the recommendation of the Divisional Forest Officer in whose jurisdiction the ESZ fall who will recommend in accordance with the existing provisions of Central or State Act and rules made thereunder by the State Government for protection of trees in the state.

2.0 The felling of trees in the Eco-Sensitive Zone can be broadly categorized as follows: -

2.1 Felling of trees in forest areas- Such tree-felling is regulated by the prescriptions of Working Plan/Working Schemes, duly approved by the Competent Authority in the Central Government.

2.2 Felling of trees in urban limits- This is regulated under the Maharashtra (Urban Areas) Protection and Preservation of Trees Act, 1975, wherein the authorities for according permission for tree-felling have been duly designated.

2.3 Felling of trees in areas outside urban limits (Scheduled Trees)- It is regulated under the Maharashtra Felling of Trees (Regulation) Act, 1964, wherein the Tree-officer is duly notified by the State Government for granting permission for felling of trees listed in the Schedule under the said Act.

1.4 Felling of trees in areas outside urban limits (Non-Scheduled Trees)- It is regulated by the provisions of Maharashtra Land Revenue Code, 1966 wherein the authorities have been duly notified by the State Government for granting of tree felling permissions.

2.5 Felling of trees in coastal areas- It is governed by Coastal Regulation Zone regulations.

3.0 Apart from above, presently the prior permission of Hon'ble Bombay High Court is also mandatory in case of cutting of mangrove species.

4.0 It may therefore be seen that felling of trees in all categories of areas is regulated by one or other legislation, where the prior permission of a authority duly notified by the State Government / Central Government is mandatory.

5.0 Therefore, it is hereby clarified that the concerned person or agency shall be at liberty to approach the competent authority / authorities specified in para 2 above, for seeking permission for felling of trees in the Eco-Sensitive Zone of Protected Areas.

6.0 This Government Circular is available on the official website of the Government of Maharashtra www.maharashtra.gov.in with Computer Code No. 201906061528016319 This Circular is digitally signed.

By order and in the name of Governor of Maharashtra.

SUJAY DEORAO
DODAL

(Sujay Dodal)
Joint Secretary (Forests)