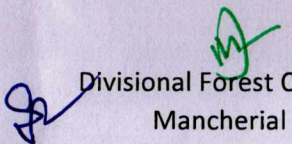


Hardwood species details in the area of 34.4167 Ha

Sl No	Species	No of trees / Poles	Girth class																		Total Value Rs.		
			Below 30 poles			31-45 Poles			46-90 Cmt				91-120 Cmt				Above 120 Cmt						
			Quantity			Quantity			Quantity			Quantity			Quantity			Quantity			Quantity		
			Nos	Rate	Amount	Nos	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Tella Chinduga	1		75	0		120	0	1	0.054	11550	628.8975			12705	0			16800	0	1	0.0545	628.90
2	Vepa	5	1	75	75		120	0	3	0.245	11550	2829.75			12705	0	1	1.44	16800	24192	5	1.685	27096.75
3	Somi	29	17	75	1275	6	120	720	6	0.569	11550	6571.95			12705	0			16800	0	29	0.569	8566.95
4	Soppara	2		75	0		120	0			11550	0			12705	0	2	2.701	16800	45373.44	2	2.7008	45373.44
5	Togari Mogili	31	17	75	1275	9	120	1080	5	0.232	11550	2679.6			12705	0			16800	0	31	0.232	5034.60
6	Bilugu	192	143	75	10725	38	120	4560	11	0.445	11550	5139.75			12705	0			16800	0	192	0.445	20424.75
7	Tiruman	20	11	75	825	9	120	1080			11550	0			12705	0			16800	0	20	0	1905.00
8	Sandra	18	12	75	900	2	120	240	1	0.076	11550	877.8	3	0.546	12705	6936.93			16800	0	18	0.622	8954.73
9	Chennangi	10	8	75	600	1	120	120	1	0.018	11550	207.9			12705	0			16800	0	10	0.018	927.90
10	Tani	1	1	75	75		120	0			11550	0			12705	0			16800	0	1	0	75.00
11	Morri	4	3	75	225		120	0	1	0.04	11550	462			12705	0			16800	0	4	0.04	687.00
12	Kodsa	49	16	75	1200	23	120	2760	10	0.424	11550	4897.2			12705	0			16800	0	49	0.424	8857.20
13	Bojja	9	4	75	300		120	0	3	0.31	11550	3580.5	1	0.912	12705	11586.96	1		16800	0	9	1.222	15467.46
14	Nallamaddi	31	19	75	1425	5	120	600	4	0.091	11550	1051.05	1	0.288	12705	3659.04	2	1.116	16800	18748.8	31	1.495	25483.89
15	Narepa	46	12	75	900	3	120	360	18	1.338	11550	15453.9	4	0.832	12705	10570.56	9	13.73	16800	230664	46	15.9	257948.46
16	Chilukaduddi	19	2	75	150	7	120	840	9	0.376	11550	4342.8			12705	0	1	0.133	16800	2234.4	19	0.509	7567.20

1267

Sl No	Species	No of trees / Poles	Girth class																		Total Value Rs.		
			Below 30 poles			31-45 Poles			46-90 Cmt				91-120 Cmt				Above 120 Cmt						
			Quantity		Amount	Quantity		Amount	Quantity		Amount	Quantity		Amount	Quantity		Amount	Quantity		Amount			
			Nos	Rate		Nos	Rate		Nos	Cmt		Nos	Cmt		Nos	Cmt		Nos	Cmt				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
17	Tuniki	33	24	75	1800	4	120	480	3	0.251	11550	2899.05			12705	0	2	1.592	16800	26745.6	33	1.843	31924.65
18	Tada	2	2	75	150		120	0			11550	0			12705	0			16800	0	2	0	150.00
19	Satin	3	3	75	225		120	0			11550	0			12705	0			16800	0	3	0	225.00
20	Rela	3	1	75	75		120	0	2	0.212	11550	2448.6			12705	0			16800	0	3	0.212	2523.60
21	Pala	39	16	75	1200	2	120	240	14	0.752	11550	8685.6	4	0.614	12705	7800.87	3	2.606	16800	43780.8	39	3.972	61707.27
22	Korri	12	7	75	525	4	120	480	1	0.031	11550	358.05			12705	0			16800	0	12	0.031	1363.05
23	Karenga	22	18	75	1350	3	120	360			11550	0			12705	0	1	0.203	16800	3410.4	22	0.203	5120.40
24	Karaka	1		75	0		120	0	1	0.034	11550	392.7			12705	0			16800	0	1	0.034	392.70
25	Dante	7	6	75	450		120	0	1	0.023	11550	265.65			12705	0			16800	0	7	0.023	715.65
	Total	589	343		25725	116		13920	95			63772.75	13			40554.36	22			395149.4	589	32.234	539121.548


 Divisional Forest Officer
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Soft wood species

Sl No	Species	No of trees / Poles	Girth class																		Total Value Rs.		
			Below 30 poles			31-45 Poles			46-90 Cmt				91-120 Cmt				Above 120 Cmt						
			Quantity			Quantity			Quantity			Quantity			Quantity			Quantity			Quantity		
			Nos	Rate	Amount	Nos	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	Gotti	1	1	65	65		95	0			8820	0			8820	0			8820	0	1	0	65.00
1	Pasupugani	1		65	0		95	0			8820	0			8820	0	1	0.98	8820	8643.6	1	0.98	8643.60
2	Guddipala	8	6	65	390	2	95	190			8820	0			8820	0			8820	0	8	0	580.00
3	Ippa	6	6	65	390		95	0			8820	0			8820	0			8820	0	6	0	390.00
4	Usiri	1	1	65	65		95	0			8820	0			8820	0			8820	0	1	0	65.00
5	Are	1		65	0	1	95	95			8820	0			8820	0			8820	0	1	0	95.00
6	Chella	1		65	0		95	0			8820	0			8820	0	1	0.98	8820	8643.6	1	0.98	8643.60
	Total	19	14		910	3		285	0			0	0			0	2			17287.2	19	1.96	18482.20

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Mancherla

Teak species

Sl No	Species	No of trees / Poles	Length	Girth class																			Total Value Rs.		
				Below 30 poles			31-45 Poles			46-90 Cmt				91-120 Cmt				Above 120 Cmt							
				Quantity			Quantity			Quantity			Quantity			Quantity			Quantity			Quantity			
				Nos	Rate	Amount	Nos	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Rate	Amount	Nos	Cmt	Amount	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
1	Teak	9	Below 2 mts	6	160	960	2	285	570	1	0.013	31080	411.033				0			0	0	9	0.0132	1941.03	
2		5	2.01 to 4 mts	5	160	800		390	0			34230	0				0			0	0	5	0	800.00	
3			4.01 to 6 mts		160	0		500	0			34650	0				0			0	0	0	0	0.00	
			Above 6 mts		160	0		600	0			42315	0				0			0	0	0	0	0.00	
			Total	11		1760	2		570	1			411.033	0			0	0			0	14	0.0132	2741.03	


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Abstract (1.7 Ha Sample Plot) (17 Sample polts)

Sl No	Species Category	Qty			Amount in Rs
		Nos	Qty	Cmt	
1	Hardwood	589		32.234	539122
2	Softwood	19		1.960	18482
3	Teak	14		0.013	2741
	Total	622		34.207	560345

Abstract (34.4167 Ha)

Sl No	Species Category	Qty			Amount in Rs
		Nos	Qty	Cmt	
1	Hardwood	11924		652.586	10914602
2	Softwood	385		39.680	374178
3	Teak	283		0.268	62220
	Total	12592		692.534	11351000

Abstract of Felling and transportation charges (34.416 Ha)

Sl No	Species Category	Qty		Amount in Rs
		Nos	Qty Cum	
1	Non Teak	12309	692.267	2973331
2	Teak	283	0.268	2410
	Total	12592	692.534	2975741


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Estimate for Non-Teak Trees Felling and transportation

As per FSR 2016-17

Sl No	Item No.	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
1	2	3	4	5	6	7	8
	III	DEPARTMENTAL EXTRACTION WORKS					
	03.01.	Timber and Fuel					
	03.01.01	Marking of trees					
	03.01.08	Felling and conversion by saw	100 Nos	12309	188.14	100	23158
	03.01.09	Felling and conversion by axe	Cum.	692.261	351.32	1	243205
		Conversion of illicitly felled trees including those found during beat inspection including digiting on the stump, belting, measuring, painting and digiting	Cum.		319.36	1	0
	03.01.12	(ii) Non-Teak	Per Cu.m.	692.261	277.88	1	192365
	03.01.13	Labour amenities for working in coupe or unit i.e., providing shelter, supply of drinking water and medical aid etc., to the labourers. As per Actuals (limited to Rs.20072. 40)	per coupe				10000
	03.01.14	Purchase of saws with sharpening tools. As per Actuals (limited to Rs.2865.50)	per coupe				2865
	03.01.15	Watch and ward charges at coupe (Timber and Fuel) (As per average of minimum wage fixed by District Collectors in the state for unskilled labour)	Month	3	7500	1	22500
	03.01.17	Dragging of timber to loading point - moderate slope(from 10% to 30% slope)	Cum.	692.261	208.66	1	144447
	03.02.	TRANSPORTATION					
	03.02.01	Preparation/repairs of Lorry/ Cart track NOTE: There should not be separate expenditure for preparation of lorry/cart track for timber, fuel, pole brought from the single area.(limited to Rs.25096.50)	Per Cu.m.	692.261	66.7	1	46174
	03.02.02	Transportation of timber by carts from RF to beat / section Hq. including loading, unloading, dragging charges etc.					
	03.02.10	Loading of timber into lorries	Cum.	692.261	282.31	1	195432
	03.02.11	Transportation of timber by private lorries (upto 10 Km)	Cum.	692.261	526	1	364129
	03.02.12	Transportation more than 10 Km (add for each addl. 10 Km) (8.1 x 25 Kms=202.5	Cum.	692.261	202.5	1	140183
	03.02.13	Unloading of timber	Cum.	692.261	100.98	1	69905
	03.02.03	Transportation of timber by carts from beat / section Hq. including loading, unloading, dragging charges etc.					
		(iii) 31 Kms and above (per each KM)					
	03.02.10	Loading of timber into lorries	Cum.	692.261	282.31	1	195432
	03.02.11	Transportation of timber by private lorries (upto 10 Km)	Cum.	692.261	526	1	364129
	03.02.12	Transportation more than 10 Km (add for each addl. 10 Km) (8.1 x 25 Kms=202.5	Cum.	692.261	202.5	1	140183
	03.02.13	Unloading of timber	Cum.	692.261	100.98	1	69905
	03.03.	LOTING AND CLASSIFICATION AT DEPOT					
	03.03.01	Depot numbering of logs with paints (including cost of paints)	Piece	12309	0.97	1	11940
	03.03.02	Lotting of timber	Cum.	692.261	252.72	1	174948
	03.03.07	Electricity charges for Depot	As per actual				500
	03.03.08	Purchase of tapes, ropes & Stationery etc.,	Cum.	692.261	17.9	1	12391
		Watch and ward charges at Depot site Dist. Collector wage rate 6 months x 3 Members (Un Skilled) @ 281 per day	Month	18	8430	1	151740
		Semi Skilled Watch and ward 6 months x 4 member @ 354 per day	Month	24	10620	1	254880
		TM (Literate) 6 months x 2 member @ 397 per day	Month	12	11910	1	142920
						Total	2973331

34.4167 Ha 2973331

Rate per Plant 2016-17 2973331

Rate as per 2017-18 (Add 10% escalation on 2016-17) 3270664

Rate as per 2018-19 (Add 10% escalation on 2017-18) 3597731

Rate as per 2019-20 (Add 10% escalation on 2018-19) 3957504

Rate as per 2020-21 (Add 10% escalation on 2019-20) 4353254

Rate as per 2021-22 (Add 10% escalation on 2020-21) 4788579

Rate as per 2022-23 (Add 10% escalation on 2021-22) 5267437

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Unit Cost for Teak Trees Felling and transportation

As per FSR 2016-17

No	Item No	Schedule of operations with Specification	Unit	Qty	Rate (in Rs)	Per	Amount
	2	3	4	5	6	7	8
	III	DEPARTMENTAL EXTRACTION WORKS					
	03.01.	Timber and Fuel					
	03.01.01	Marking of trees	100 Nos	283	188.14	100	532
	03.01.08	Felling and conversion by saw	Cum.	0.268	351.32	1	94
		Conversion of illicitly felled trees including those found during beat inspection including digiting on the stump, belting, measuring, painting and digiting					
	03.01.11	(i) Teak	Per Cu.m.	0.268	245.81	1	66
	03.01.14	Purchase of saws with sharpening tools. As per Actuals (limited to Rs.2865.50)	per coupe				200
	03.01.17	Dragging of timber to loading point - moderate slope(from 10% to 30% slope)	Cum.	0.268	208.66	1	56
	03.02.	TRANSPORTATION					
	03.02.01	Preparation/repairs of Lorry/ Cart track NOTE: There should not be separate expenditure for preparation of lorry/cart track for timber, fuel, pole brought from the single area.(limited to Rs.25096.50)	Per Cu.m.	0.268	66.7	1	18
	03.02.02	Transportation of timber by carts from RF to beat / section Hq. including loading, unloading, dragging charges etc.					
	03.02.10	Loading of timber into lorries	Cum.	0.268	282.31	1	76
	03.02.11	Transportation of timber by private lorries (upto 10 Km)	Cum.	0.268	526	1	141
	03.02.12	Transportation more than 10 Km (add for each addl. 10 Km) (8.1 x 25 Kms=202.5	Cum.	0.268	202.5	1	54
	03.02.13	Unloading of timber	Cum.	0.268	100.98	1	27
	03.02.03	Transportation of timber by carts from beat / section Hq. including loading, unloading, dragging charges etc.					
		(iii) 31 Kms and above (per each KM)					
	03.02.10	Loading of timber into lorries	Cum.	0.268	282.31	1	76
	03.02.11	Transportation of timber by private lorries (upto 10 Km)	Cum.	0.268	526	1	141
	03.02.12	Transportation more than 10 Km (add for each addl. 10 Km) (8.1 x 25 Kms=202.5	Cum.	0.268	202.5	1	54
	03.02.13	Unloading of timber	Cum.	0.268	100.98	1	27
		NOTE: (i) Unless the timber is delivered at the G.T.D., no expenditure shall be incurred.					
	03.03.	LOTING AND CLASSIFICATION AT DEPOT					
	03.03.01	Depot numbering of logs with paints (including cost of paints)	Piece	283	0.97	1	275
	03.03.02	Lotting of timber	Cum.	0.268	252.72	1	68
	03.03.07	Electricity charges for Depot	As per actual				500
	03.03.08	Purchase of tapes, ropes & Stationery etc.,	Cum.	0.268	17.9	1	5
						Total	2410

34.4167 Ha 2410

Rate per Plant 2016-17 2410

Rate as per 2017-18 (Add 10% escalation on 2016-17) 2651

Rate as per 2018-19 (Add 10% escalation on 2017-18) 2916

Rate as per 2019-20 (Add 10% escalation on 2018-19) 3208

Rate as per 2020-21 (Add 10% escalation on 2019-20) 3528

Rate as per 2021-22 (Add 10% escalation on 2020-21) 3881

Rate as per 2022-23 (Add 10% escalation on 2021-22) 4269

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