

**TREE FELLING ESTIMATE OF CONSTRUCTION OF 3rd RAILWAY LINE FROM DAREKASA TO SALEKASA STATION
IN GONDIA DISTRICT GONDIA IN THE STATE OF MAHARASHTRA**

Gondia Forest Division

Range - Salekasa Round - Salekasa and Managad

Beat- Salekasa, Nawatola &
Jamakudo

Year 2020-21

Area- 34.1914 ha

Girth Class			16/25	26/35	36/45	46/60	61/75	76/90	91/105	106/120	121/135	136/150	150& above	Total
Multiply per Cu.m			0.008	0.018	0.030	0.074	0.135	0.232	0.304	0.413	0.538	0.685	0.854	
Timber	Teak	Nos.	0	45	114	344	326	268	129	45	9	6	8	1294
		Cu.m	0	0.810	3.420	25.456	44.010	62.176	39.216	18.585	4.842	4.110	6.832	209.457
	Bija	Nos.	0	2	9	5	17	23	39	35	24	19	35	208
		Cu.m	0	0.036	0.27	0.37	2.295	5.336	11.856	14.455	12.912	13.015	29.89	90.435
	Saja	Nos.	0	1	60	87	72	84	83	57	34	38	42	558
		Cu.m	0	0.018	1.8	6.438	9.72	19.488	25.232	23.541	18.292	26.03	35.868	166.427
	Dhawala	Nos.	0	1	10	3	3	3	2	0	4	1	0	27
		Cu.m	0	0.018	0.3	0.222	0.405	0.696	0.608	0	2.152	0.685	0	5.086
	Other	Nos.	0	22	257	373	265	221	127	96	69	43	112	1585
		Cu.m	0	0.396	7.71	27.602	35.775	51.272	38.608	39.648	37.122	29.455	95.648	363.236
Total	Nos.	0	71	450	812	683	599	380	233	140	107	197	3672	
	Cu.m	0	1.278	13.500	60.088	92.205	138.968	115.520	96.229	75.320	73.295	168.238	834.641	
Fuel	Girth		16/30	31/45	46/60	61/75	76/90	91/105	106/120	120 & above				
	Multiply per Tree		0.011	0.043	0.098	0.172	0.27	0.391	0.533	0.8				
	Teak	Nos.	100	32	1	2	0	0	0	0				135
		Cu.m	1.100	1.376	0.098	0.344	0.000	0.000	0.000	0.000				2.918
		Bhar	1.943	2.431	0.173	0.608	0.000	0.000	0.000	0.000				
	Other	Nos.	1552	495	179	103	41	18	10	24				2422
		Cu.m	17.072	21.285	17.542	17.716	11.070	7.038	5.330	19.200				116.253
		Bhar	30	38	31	31	20	12	9	34				
	Total	Nos.	1652	527	180	105	41	18	10	24				2557
		Cu.m	18.172	22.661	17.640	18.060	11.070	7.038	5.330	19.200				119.171
Bhar		32	40	31	32	20	12	9	34					
Stumps	Multiply per stumps		0.001	0.004	0.009	0.017	0.027	0.039	0.053	0.08				
	Teak	Nos.	0	0	0	0	0	0	0	0				0
		Cu.m	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				0.000
		Bhar	0	0	0	0	0	0	0	0				
	Other	Nos.	0	0	0	0	0	0	0	0				0
		Cu.m	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				0.000
		Bhar	0	0	0	0	0	0	0	0				
	Total	Nos.	0	0	0	0	0	0	0	0				0
		Cu.m	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000				0
		Bhar	0	0	0	0	0	0	0	0				
Grand Total		Nos.	1652	598	630	917	724	617	390	257	140	107	197	6229
		Cu.m	0.000	1.278	13.500	60.088	92.205	138.968	115.520	96.229	75.320	73.295	168.238	834.641
		Bhar	32	40	31	32	20	12	9	34	0	0	0	211


 Deputy Conservator of Forest
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Gondia Forest Division									
Range - Salekasa		Round- Salekasa and Managad		Beat- Salekasa, Nawatola & Jamakuda		Year 2020-21 Area 34.1914 ha.			
Sr.No.	Particulars	Details of Work	Sentioned Rate		Quantity	Amount			
			For year 2020-21			Timber	Fuel	Etc.	
			Per	Rs					
A.Tree Feling Expenditure									
1	Clearance of trees	Cleaning of Area		1922	10	0	0	19220	
2	Feling of Timber Trees	Girth Class		Rs					
		15 to 30 Cm		524	1652	8656	0	0	
		31 to 45 Cm		1058	1048	11088	0	0	
		46 to 60 Cm		1777	992	17628	0	0	
		61 to 75 Cm		2172	788	17115	0	0	
		76 to 90 Cm		2531	640	16198	0	0	
		91 to 105 Cm		2904	398	11558	0	0	
		106 to 120 Cm		4138	243	10055	0	0	
		121 to 150 Cm		5146	271	13946	0	0	
		150Cm & above		6029	197	11877	0	0	
3	Preparation of Timber material	A.making pieces by Saw	Cu.M.	318	834.641	265416	0	0	
		B Clearance of teumur by iron tool and removal of cover of 15 cm and pasting of clay mixture over it.	Cu.M.	105	834.641	87637	0	0	
		Collection of logs and poles at suitable place							
		1. Plaine Site	Cu.M.	177	0.000	0	0	0	
		2. Hilly Site	Cu.M.	372	834.641	310486			
4	Measurement and numbering of timber	D. Removal of cover of logs	Cu.M.	242	834.641	201983	0	0	
		Numbering by colour on stumps (with colour cost)	Per hundred	513	3672	18837	0	0	
		Numbering by stick on stumps (with Damber cost)	Per hundred	584	3672	21444	0	0	
		Measuring of timber material, numbering by color and stick and colour of white paint to Gat area	Cu.M.	112	834.641	93480	0	0	
		a. Making pieces of firewood trees by saw (1.2 X 2 X 1) M	Bhar	207	211	0	43584	0	
5	Prepare of Fuel material	b. numbering on stack	Per hundred	693	2557	0	17720	0	
		C. numbering on firewood stumps by nail	Per hundred	143	2557	0	3657	0	
		1. Plaine Site	Bhar	117	0	0	0	0	
		2. Hilly Site	Bhar	158	211	0	33338	0	
		Dragging and stacking on timber log			0	0	0	0	
6	Carrying of timber material	1. Plaine Site	Cu.M.	0	0.000	0	0	0	
		2. Hilly Site	Cu.M.	362	834.641	302140.042	0	0	
7	Payment of Mukadam	Upto 300 Cu.M.-1, 300 to 600 Cu. M-2 & 300 to 600 Cu.M-3 and Fuel beat cum 1 beat= 0.800 Cu.M (BFM VOL II Art 305) I beat=beat 1/3 Cu.M.	Per Month	12000	3	0		36000	
8	Cutting of Fire Line	Cutting of fire line							
		A. 6 mtr width	K.M.	2334					
9	Tent Expenditure	B. 3 mtr width	K.M.	1170	10.000	0		11700	
		Set up of Pandal	Tent	1385	6	0		8310	
Total A				-		1419546	98298	75230	
B. Transporation Expenditure									
10	Truck Transporting	1. By Government Truck : (Timber with poles)							
		1. Distance upto 40 Kms	Cu.M.	141					
		2. Distance more than 40 Kms	Cu.M.	211	0.000	0	0	0	
		b. Fire wood stock	Bhar	77	0	0	0	0	
		1. By Private Truck : (Timber with poles) Rate 18-19							
11	Bullock Cart Transporting	1. Distance more than 40 Kms	Cu.M.	1210	834.641	1009916	0	0	
		2. Fire wood stock	Bhar	495	211	0	104222	0	
		1. By bullock cart.: (Timber with poles)							
		a. Distance upto 3 Kms	Cu.M.	273	834.641	227857			
		b. Distance upto 5 Kms	Cu.M.	453	0	0	0	0	
		c. Distance upto 10 Kms	Cu.M.	717	0	0	0	0	
		d. 10 to 15 km -717/- and 8/- per cu.m per km			0	0	0	0	
		e. 15 to 20 km -717/- and 7/- per cu.m per km			0	0	0	0	
		b. Fire wood stock							
		a. Distance upto 1 Kms	Cu.M.	104					
12	Make a Road	b. Distance upto 2 Kms	Cu.M.	145	0	0	0	0	
		c. Distance upto 3 Kms	Cu.M.	186	2557	0	475602	0	
		d. Distance upto 3 to 5 Kms	Cu.M.	224	0	0	0	0	
		e. Distance upto 5 to 8 Kms	Cu.M.	256					
		As per position of area	5000	4				20000	
Total B						1237773	579824	20000	
C. Sale Depot Expenditure									
13	Sale Depot Expenditure	1. Lotting of timber material for sale	Cu.M.	289	834.641	241211	0	0	
		2. Stacking of fire wood on sale depot	Bhar	49	211	0	10317	0	
		3.Shorting of beat, species wise and gith wise	Bhar	18	211	0	3790	0	
		4. Numbering on fire wood stack by paint on sale depot	Per hundred	143	2557	0	3657	0	
		5.Arrangement of Lighting , cleaning and water	Sale	4378	3	0	0	13134	
		6. Expenditure on pendal at sale depot	Depo	2703	3	0	0	8109	
14	Measurement of Depot	Numbering by colour on stumps (with colour cost)	Per hundred	418					
		Numbering by stick on stumps (with Damber cost)	Per hundred	475	2557.000		12146		
		Measurement and numbering on timber material before lotting by suitable colour and stick and colour of white paint to Gat area	Cu.M.	112	834.641	93480	0	0	
		Expenditure of Stationary	1500	0	0	0	0	1500	
Total C						334691	29909	22743	
D. Etc. Expenditure									
15	Welfare Expenditure	2% of Total Cost of Expenditure				59840	14161	2360	
ABSTRACT									
16	Details	A.Tree Feling Expenditure :				1419546	98298	75230	
		B. Transporation Expenditure :				1237773	579824	20000	
		C. Sale Depo Expenditure :				334691	29909	22743	
		D. Etc. Expenditure:				59840	14161	2360	
Total Expenditure						3051850	722192	120333	
						3894375			


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Kind	Species	Girth Class	16/25	26/35	36/45	46/60	61/75	76/90	91/105	106/120	121/135	136/150	150 & above	Total
Timber	Multipluy per tree		0.008	0.018	0.030	0.074	0.135	0.232	0.304	0.413	0.538	0.685	0.854	
	Teak	No. of trees	0	45	114	344	326	268	129	45	9	6	8	1294
		Cu.m	0.017	0.810	3.420	25.456	44.010	62.176	39.216	18.585	4.842	4.11	6.832	209.474
		Rate	85	175	775	11550	11950	13750	15050	16500	17950	18400	19900	
		Value	0	7875	88350	294017	525920	854920	590201	306653	86914	75624	135956.8	2966429
	Bija	No. of trees	0	2	9	5	17	23	39	35	24	19	35	208
		Cu.m	0.000	0.036	0.270	0.370	2.295	5.336	11.856	14.455	12.912	13.015	29.890	90.435
		Rate	23	36	76	3650	4450	5250	6050	6750	7400	8050	8750	
		Value	0	72	684	1351	10213	28014	71729	97571	95549	104771	261538	671490
	Saja	No. of trees	0	1	60	87	72	84	83	57	34	38	42	558
		Cu.m	0.000	0.018	1.800	6.438	9.720	19.488	25.232	23.541	18.292	26.030	35.868	166.427
		Rate	19	37	45	2400	3000	3400	3800	4100	4400	4700	5100	
		Value	0	37	2700	15451	29160	66259	95882	96518	80485	122341	182927	691760
	Dhawala	No. of trees	0	1	10	3	3	3	2	0	4	1	0	27
		Cu.m	0.000	0.018	0.300	0.222	0.405	0.696	0.608	0.000	2.152	0.685	0.000	5.086
		Rate	23	36	76	4200	4800	5500	6200	6900	7600	8200	8900	
		Value	0	36	760	932	1944	3828	3770	0	16355	5617	0	33242
	Other	No. of trees	0	22	257	373	265	221	127	96	69	43	112	1585
		Cu.m	0	0.396	7.71	27.602	35.775	51.272	38.608	39.648	37.122	29.455	95.648	363.236
		Rate	35	40	210	2050	2250	2450	2700	3000	3350	3550	3750	
		Value	0	880	53970	56584	80494	125616	104242	118944	124359	104565	358680	1128334
Fuel	Girth Class		16/30	31/45	46/60	61/75	76/90	91/105	106/120	120 over				
	Multiply per tree		0.011	0.043	0.098	0.172	0.270	0.391	0.533	0.800				
	Teak	No. of trees	100	32	1	2	0	0	0	0				135
		Cu.m	1.100	1.376	0.098	0.344	0.000	0.000	0.000	0.000				2.918
		Bhar	2	2	0	1	0	0	0	0				5
		Rate	250	800	1600	1975	2200	2350	2500	2625				
		Value	0	1944.87633	277.032	1200.35	0	0	0	0				3422.26
	Other	No. of trees	1552	495	179	103	41	18	10	24				2422
		Cu.m	17.072	21.285	17.542	17.716	11.07	7.038	5.33	19.2				116.253
		Bhar	30	38	31	31	20	12	9	34				205
		Rate	225	360	650	770	900	1025	1175	1300				
		Value	6787	13538	20145	24101	17602	12745	11065	44099				150083
Stumps	Girth Class		16/30	31/45	46/60	61/75	76/90	91/105	106/120	120 & above				0
	Multiply per		0.001	0.004	0.009	0.017	0.027	0.039	0.053	0.080				0
	Teak	No. of trees	0	0	0	0	0	0	0	0				0
		Cu.m	0	0	0	0	0	0	0	0				0.000
		Bhar	0	0	0	0	0	0	0	0				0
		Rate	250	550	1500	1975	2200	2350	2500	2625				0
		Value	0	0	0	0	0	0	0	0				0
			0	0	0	0	0	0	0	0				0
	Other	No. of trees	0	0	0	0	0	0	0	0				0
		Cu.m	0	0	0	0	0	0	0	0				0
		Bhar	0	0	0	0	0	0	0	0	0	0	0	0
		Rate	225	360	625	700	750	800	850	900				0
		Value	0	0	0	0	0	0	0	0				0
			0	0	0	0	0	0	0	0				0
Total	No. of trees		1652	598	630	917	724	617	390	257	140	107	197	6229
	Cu.m		0.017	1.278	13.500	60.088	92.205	138.968	115.520	96.229	75.320	73.295	168.238	834.658
	Bhar		32	40	31	32	20	12	9	34	0	0	0	211
	Value		6787	24383	166886	393637	665332	1091383	876887	663785	403661	412918	939101	5644761

Details		Timber		Poles		Bhar		Total		
		Teak	Other	Teak	Other	Teak	Other	Timber	Poles	Bhar
Cu,m/Bhar		209.474	622.742	159	362	5	205	832.216	521	211
Total Cost		2966429	2520537	96225	59139	3422	150083	5486966	155364	153506
Average	Value	0	1819	0	0	0	0	6593	0	0


 Deputy Conservator of Forest
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