

Name of Project : Kanheri Sr.No. 15 (pt) Area 0.018 Ha.

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Sanjay Gandhi National Park Division, Borivali.

Range : Krishnagiri Borivali

Rounds : Kanheri

Villages : Kanheri

Scheme : Diversion of 0.018 Ha.

Total Area of Extraction
Estimated No. of Trees to be felled

0.018
Fellings
0.12
0.453
0
1.058
Cent
cum.
nos.
cum.

Estimated Timber Yield

Estimated Poles Yield

Estimated Firewood Yield

Name of Depot

Distance of Depot

Daily Wage Rate

Mandvi, Thane Forest Division

50.00 Average Kms.

413.69/ MD Current Wage Rate of 2022-23

I) Preparatory Operations

S. No.	Details of Items	Mandays	Wages	Materials	Total	Unit	Amount	Remarks
1	2	3	4	5	6	7	8	9
1	Survey & Demarcation	1.00	413.69	250.00	663.69	Ha.	11.95	Extent of Site
2	100% Enumeration of trees before felling	1.00	413.69		413.69	100 Nos.	49.64	0.018
3	Numbering of trees on two places by numbering nails and / or oil paint after taking blaze by axe	1.00	413.69	500.00	913.69	100 Nos.	109.64	Hectares
4	Marking of trees by Marking Hammers	1	413.69		413.69	100 Nos.	49.64	
	Contingencies & Labour Welfare 10.0%					Total	220.87	
					Total - I	Rs.	242.96	

II) Estimate for Exploitation Line Area

S. No.	Details of Items	Rate	Quantity	Unit	Amount	Remarks
1	2	3	4		5	6
5	Clearance of thorny brushwood, shrubs, bamboos, etc. to facilitate : MD/Ha.	132.00	0.0180	Ha.	896.94	Indefinite Item

6	Felling of trees by saw / axe	Rate / 100	Total	Nos. (In 100s)	Wage Board Rates 2021-22
1	Below 30 cms				
2	30 - 45 cms	523	0	0.00	0.00
3	46 - 60 cms	1143	1	0.01	11.43
4	61 - 75 cms	1604	4	0.04	64.16
5	76 - 90 cms	2171	0	0.00	0
6	91 - 105 cms	2629	2	0.02	50.58
7	106 - 120 cms	2844	3	0.03	85.32
8	121 - 135 cms	4054	2	0.02	81.08
9	136 - 150 cms	4697	0	0.00	0
10	151 - 180 cms	5182	0		
11	181 - 200 cms	8188			
12	201 - 250 cms	11263			
13	251 - 300 cms	14326			
14	Above 301 cms	18436			
		22531			
7	Preparation of Timber		12	0.58	292.57
a	Fashioning of timber				
b	Preparation of poles		335.00	0.453	151.755
c	Debarking of non-teak species				
a	Measurement of Timber		309.00	0.453	139.977
b	Measurement of Poles		81.00	0.453	36.693
c	Numbering of Stools		183.00		
9	Preparation of Firewood		209.00	0.12	25.08
a	Billeting of firewood - 1.2m length & stacking the same within 50m. Lead				
i.	By Axe (10%)			1.058	
ii.	By Saw (90%)		110.00	0.106	11.638
10	Dragging & headload lead for Firewood upto loading point		136.00	0.952	129.4992
i.	Upto 50m (30%)		250.00	0.317	79.35
ii.	Upto 100m (30%)		285.00	0.317	90.459
iii.	Upto 150m (40%)		300.00	0.423	126.96
11	Dragging & headload lead for Timber upto loading point				
i.	Upto 100m. (50%)		1750.00	0.529	925.75
ii.	Upto 200m. (50%)		2000.00	0.529	1058
12	Wages of Supervisor / Watchman -		0.00	120.000	0
a.	Supervisor - N.A.				
13	Preparation of 30 cms high rab for fireless - 90 rmls/Ha. Of 15 m width = 1350 sqm./Ha. = 0.1350 Ha.		12041.00	0.016	195.0642
		0.018	0.90	0.0162	

14	Firelines - 15m. Wide along the area of felling	0.18	0.90	0.162	3950.00	0.162	kms.	639.9	Wage Board Rates 2021-22
15	Erection of temporary sheds @ 1 for maintenance of records & shelter for labour & supervisor / watchmen - 1 sheds								
16	Salary of Agent / Statistician				1.00	5000.000	no.	5000	Indefinite Item
17	Transport of material produced - inclusive of loading & unloading								
	a Timber Material								
	Distance		50.0	kms.					
	Loading & Unloading								
			Rate per cum.						
	Firewood / Qita material	163.00	3721.00	3884.00	3107.20	0.453	cum.	1407.5616	Rate for Transport by Trucks 20% less than rates for cartloads.
	Loading & Unloading		50.0	kms.					
			Rate per cum.						80% Rate
	78.00		2268.00	2346.00	1876.80	1.058	cum.	1985.6544	Indefinite Item
18	Preparation of Kachcha approach roads in each village								
	a within working area : 50 X 3 = 150 MD								
	b Approach upto the working area : 50 x 5 = 250 MD				0.00	399.73	MD	0.00	
19	Printing of Delivery Challans & Transit Pass Books				0.00	399.73	MD	0.00	
20	Hire Charges for Depot in private areas				L.S.			500.00	
21	Hire Charges for Office								
22	Misc. Stationeries - Papers, Registers, Files, Folios, Pins, Measuring Tapes, Paints, etc.				L.S.			500.00	
23	Printing of mandatory stationary - Jungle Register, Production Registers, Loading Registers etc.				L.S.			500.00	
24	Erection of temporary labour sheds in coupe area				1.0	5000.00	no.	0.00	
25	Purchase of Implements				L.S.			500.00	Indefinite Item
26	Maintenance of Axes & Saws etc.				L.S.			500.00	
	Total :							15592.85	
27	Labour Welfare, Materials, Insurance & Contingencies: (Drinking water, First-aid kits, anti-venom serums etc.)				9.0%			1412.36	
	Total - II				L.S.		Rs.	17105.21	

III : Expenditure on Sale Depot

28	Land Rent		N.A.						Wage Board Rates 2021-22
29	Preparation of Timber lots as per grade & size		244.00	0.453	cum			110.53	
30	Numbering of Timber Pieces by numbering nails		178.00	0.453	cum			80.63	
31	Lotting of Qita / Firewood as per size & Species		85.00	1.058	cum			89.93	
32	Printing of Advertisements		L.S.						
33	Advertisements in daily newspapers		L.S.					2000.00	
34	Drinking water supply & electricity charges		L.S.					1000.00	Wage Board Rates 2021-22

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S. No		ESTIMATED YEILD FROM THE TOTAL TREES																	Total		Estimated Yelid % age	
Species		From To	16	31	46	Girth Class				76	91	106	121	136	above	in cms.		Timber cum.	Firewood cum.			
1	Teak	C.C.	0.010	0.034	0.059	0.109	0.185	0.285	0.414	0.500	0.525	1.005	150	1.005	0	0.000	60%	40%	0.000			
			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000				
			0.021	0.10	0.015	0.143	0.217	0.323	0.491	0.677	0.731	0.737	0.737	0.737	0	0.000	50%	50%	0.000			
			0.000	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000				
2	Khair	C.C.	0.010	0.025	0.047	0.097	0.146	0.196	0.245	0.000	0.344	1.003	0.000	0.000	0	0.000	30%	70%	0.000			
			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000				
			0.000	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000				
			0.000	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000				
3	Mics High Class	C.C.	0.010	0.025	0.047	0.097	0.146	0.196	0.245	0.000	0.344	1.003	0.000	0.000	0	0.000	30%	70%	0.000			
			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000				
			0.000	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000				
			0.000	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000				
4	Mics Low Class	C.C.	0.010	0.025	0.048	0.082	0.127	0.182	0.247	0.322	0.350	0.370	0.000	0.000	0	0.000	30%	70%	1.058			
			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000				
			0.000	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000				
			0.000	0	0	0	0	0	0	0	0	0	0	0	0	0.000	0.000	0.000				
No. of trees		Qty	0	1	4	0	2	3	2	0	0	0	0	0	0	12	1.511	0.453	1.058			
Quantity		0.000	0.025	0.192	0.000	0.254	0.546	0.494	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.511	0.453	1.058				

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