

Final Abstract

Proposal for diversion of 345.189 ha Forest Land of Khandbandh Iron Ore Mines of M/s OMC Ltd

Annexure- ~~XXXX~~ VII

Sl No.	Type of Species	Name of Species	30 to 59 CM		60 to 89 Cm		90 to 119 Cm		120m to 149 Cm		150 to 179 Cm		180 Cm and above		Total		G. Total
			N	D	N	D	N	D	N	D	N	D	N	D	N	D	
1	Special	Teak	2	1	0	0	1	0	0	0	0	0	0	0	3	1	4
	Category	Sisoo	0	2	2	0	0	0	0	0	0	0	0	0	2	2	4
2		Chandan	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
		Total Spl Class	2	3	2	1	1	0	0	0	0	0	0	0	5	4	9
1	1st Class	Sal	1438	2919	284	614	64	172	13	37	8	5	8	8	1815	3755	5570
2	Category	Bandhan	3	9	1	2	3	1	0	0	0	1	0	0	3	7	23
3		Ghanbhar	3	19	0	11	0	2	1	0	0	0	0	0	4	32	36
4		Pisala	23	59	21	33	7	21	1	8	2	1	0	0	54	122	176
		Total 1st Class	1467	3006	306	660	74	196	15	45	10	7	8	11	1880	3925	5805
1	2nd Class	Asana	84	347	9	66	4	21	10	11	9	8	9	9	125	462	587
2	Category	Mango	9	12	8	10	10	9	7	10	3	4	8	8	45	53	98
3		Jamun	13	154	9	39	6	19	1	7	1	2	1	1	31	222	253
		Dhala	8	45	4	50	8	11	0	1	0	0	2	0	22	107	129
4		Kasi	5	50	3	9	0	1	0	0	0	0	0	0	8	60	68
5		Kendu	121	626	19	63	4	11	6	6	8	6	1	1	159	713	872
		Total 2nd Class	240	1234	52	237	32	72	24	35	21	20	21	19	390	1617	2007
1	3rd Class	Misc.	859	4879	267	983	199	370	163	158	119	86	118	123	1725	6599	8324
	Category	Total 3rd Class	859	4879	267	983	199	370	163	158	119	86	118	123	1725	6599	8324
		Grand Total	2568	9122	627	1881	306	638	202	238	150	113	147	153	4000	12145	16145

No of Units. = 2742.33 units

Quantum of Forest Produce from the Forest Land Involved in the virgin & broken up forest area.

i) Total nos. of units = 1152.23 units/ 44 x 216.094 ha. =5658.863 units

Nos. of units in broken up forest area= 1590.10 units

Total no. of units=5658.863+1590.10=7248.963 units

ii) Approximate additional Firewood. = 725 Truck load

iii) Value of Minor Forest Produce in lumpsum = Rs.5,00,000/-

iv) Total no of trees= 21,482 trees + 11,771 trees = 33,253 trees

Divisional Forest Officer,
Keonjhar Division

CALCULATION OF UNIT VALUE OF TIMBER

Proposal for diversion of 345.189 ha Forest Land Khandbandh Iron Ore Mines of M/s OMC Ltd

Girth / Class

Spl. Class

	Sound				
Under 60 cm	2	X	0.50	=	1.00
60 cm to U/90 cm	2	X	1.00	=	2.00
90 cm to U/120 cm	1	X	2.00	=	2.00
120 cm to U/150 cm	0	X	4.00	=	0.00
150 cm to U/180 cm	0	X	8.00	=	0.00
180 cm and Above	0	X	12.00	=	0.00
	5			=	5.00

	Unsound				
	3	X	0.25	=	0.75
	1	X	0.50	=	0.50
	0	X	1.00	=	0.00
	0	X	2.00	=	0.00
	0	X	4.00	=	0.00
	0	X	6.00	=	0.00
	4			=	1.25

1st. Class

	Sound				
Under 60 cm	1467	X	0.25	=	366.75
60 cm to U/90 cm	306	X	0.50	=	153.00
90 cm to U/120 cm	74	X	1.00	=	74.00
120 cm to U/150 cm	15	X	2.00	=	30.00
150 cm to U/180 cm	10	X	4.00	=	40.00
180 cm and Above	8	X	6.00	=	48.00
	1880			=	711.75

	Unsound				
	3006	X	0.12	=	360.72
	660	X	0.25	=	165.00
	196	X	0.50	=	98.00
	45	X	1.00	=	45.00
	7	X	2.00	=	14.00
	11	X	3.00	=	33.00
	3925			=	715.72

2nd. Class

	Sound				
Under 60 cm	240	X	0.12	=	28.80
60 cm to U/90 cm	52	X	0.25	=	13.00
90 cm to U/120 cm	32	X	0.50	=	16.00
120 cm to U/150 cm	24	X	1.00	=	24.00
150 cm to U/180 cm	21	X	2.00	=	42.00
180 cm and Above	21	X	3.00	=	63.00
	390			=	186.80

	Unsound				
	1234	X	0.06	=	74.04
	237	X	0.12	=	28.44
	72	X	0.25	=	18.00
	35	X	0.50	=	17.50
	20	X	1.00	=	20.00
	19	X	1.50	=	28.50
	1617			=	186.48

3rd. Class

	Sound				
Under 60 cm	859	X	0.06	=	51.54
60 cm to U/90 cm	267	X	0.12	=	32.04
90 cm to U/120 cm	199	X	0.25	=	49.75
120 cm to U/150 cm	163	X	0.50	=	81.50
150 cm to U/180 cm	119	X	1.00	=	119.00
180 cm and Above	118	X	1.50	=	177.00
	1725			=	510.83

	Unsound				
	4879	X	0.03	=	146.37
	983	X	0.06	=	58.98
	370	X	0.12	=	44.40
	158	X	0.25	=	39.50
	86	X	0.50	=	43.00
	123	X	0.75	=	92.25
	6599			=	424.50

Total Sound = 4000 Nos = 1414.38 Unit

Total Unsound = 12145 Nos = 1327.95 Unit

TOTAL 16145 Nos = 2742.33 Unit


Divisional Forest Officer,
Keonjhar Division.

Proposal for diversion of 345.189 ha Forest Land of Khandbhar Iron Ore Mines of M/s OMC Ltd
(Virgin forest land over 216.094 ha in 22 nos. of sample plots)

Sl No.	Type of Species	Name of Species	30 to 59 CM		60 to 89 Cm		90 to 119 Cm		120m to 149 Cm		150 to 179 Cm		180 Cm and above		Total		G. Total
			N	D	N	D	N	D	N	D	N	D	N	D	N	D	
1	Special Category	Sisoo	0	2	2	0	0	0	0	0	0	0	0	0	2	2	4
		Total Spl Class	0	2	2	0	0	0	0	0	0	0	0	0	2	2	4
1	1st Class Category	Sal	506	453	149	201	45	72	11	16	8	3	4	4	723	749	1472
2		Pia-Sal	15	9	13	15	5	15	1	6	0	1	0	0	34	46	80
3		Bandhan	2	1	0	1	3	1	0	0	0	1	0	0	5	7	12
4		Ghambar	1	6	0	4	0	2	1	0	0	0	0	0	2	12	14
		Total 1st Class	524	469	162	221	53	90	13	22	8	5	4	7	764	814	1578
1	2nd Class Category	Asana	17	32	2	7	2	9	9	6	9	6	9	9	48	69	117
2		Dhala	8	45	4	50	8	11	0	1	0	0	2	0	22	107	129
3		Mango	6	2	8	5	10	5	6	3	1	3	3	4	34	22	56
4		Jamun	5	25	7	17	6	11	1	4	1	0	1	0	21	57	78
5		Kendu	28	80	15	29	3	6	4	1	3	1	0	0	53	117	170
		Total 2nd Class	64	184	36	108	29	42	20	15	14	10	15	13	178	372	550
1	3rd Class Category	Misc.	298	831	163	301	131	157	95	68	71	32	57	38	815	1427	2242
		Total 3rd Class	298	831	163	301	131	157	95	68	71	32	57	38	815	1427	2242
		Grand Total	886	1486	363	630	213	289	128	105	93	47	76	58	1759	2615	4374

No of Units. = 1152.23 units

Quantum of Forest Produce from the Forest Land involved in the virgin forest area.

i) Total nos. of units = 1152.23 units/ 44 x 216.094 ha. =5658.863 units

ii) Approximate additional Firewood. = 565 Truck load


 Divisional Forest Officer,
 Keonjhar Division

CALCULATION OF UNIT VALUE OF TIMBER

Proposal for diversion of 345.189 ha Forest Land Khandbandh Iron Ore Mines of M/s OMC Ltd

Girth / Class

Spl. Class

	Sound					Unsound				
Under 60 cm	0	X	0.50	=	0.00	2	X	0.25	=	0.50
60 cm to U/90 cm	2	X	1.00	=	2.00	0	X	0.50	=	0.00
90 cm to U/120 cm	0	X	2.00	=	0.00	0	X	1.00	=	0.00
120 cm to U/150 cm	0	X	4.00	=	0.00	0	X	2.00	=	0.00
150 cm to U/180 cm	0	X	8.00	=	0.00	0	X	4.00	=	0.00
180 cm and Above	0	X	12.00	=	0.00	0	X	6.00	=	0.00
	2			=	2.00	2			=	0.50

1st. Class

	Sound					Unsound				
Under 60 cm	524	X	0.25	=	131.00	469	X	0.12	=	56.28
60 cm to U/90 cm	162	X	0.50	=	81.00	221	X	0.25	=	55.25
90 cm to U/120 cm	53	X	1.00	=	53.00	90	X	0.50	=	45.00
120 cm to U/150 cm	13	X	2.00	=	26.00	22	X	1.00	=	22.00
150 cm to U/180 cm	8	X	4.00	=	32.00	5	X	2.00	=	10.00
180 cm and Above	4	X	6.00	=	24.00	7	X	3.00	=	21.00
	764			=	347.00	814			=	209.53

2nd. Class

	Sound					Unsound				
Under 60 cm	64	X	0.12	=	7.68	184	X	0.06	=	11.04
60 cm to U/90 cm	36	X	0.25	=	9.00	108	X	0.12	=	12.96
90 cm to U/120 cm	29	X	0.50	=	14.50	42	X	0.25	=	10.50
120 cm to U/150 cm	20	X	1.00	=	20.00	15	X	0.50	=	7.50
150 cm to U/180 cm	14	X	2.00	=	28.00	10	X	1.00	=	10.00
180 cm and Above	15	X	3.00	=	45.00	13	X	1.50	=	19.50
	178			=	124.18	372			=	71.50

3rd. Class

	Sound					Unsound				
Under 60 cm	298	X	0.06	=	17.88	831	X	0.03	=	24.93
60 cm to U/90 cm	163	X	0.12	=	19.56	301	X	0.06	=	18.06
90 cm to U/120 cm	131	X	0.25	=	32.75	157	X	0.12	=	18.84
120 cm to U/150 cm	95	X	0.50	=	47.50	68	X	0.25	=	17.00
150 cm to U/180 cm	71	X	1.00	=	71.00	32	X	0.50	=	16.00
180 cm and Above	57	X	1.50	=	85.50	38	X	0.75	=	28.50
	815			=	274.19	1427			=	123.33

Total Sound = 1759 Nos = 747.37 Unit

Total Unsound = 2615 Nos = 404.86 Unit

TOTAL 4374 Nos = 1152.23 Unit


Divisional Forest Officer,
Keonjhar Division.

Proposal for diversion of 345.189 ha Forest Land of Khandbandh Iron Ore Mines of M/s OMC Ltd

(Broken forest land over 129.095 ha)

Annexure- XXXVII(B)

Sl No.	Type of Species	Name of Species	30 to 59 CM		60 to 89 Cm		90 to 119 Cm		120m to 149 Cm		150 to 179 Cm		180 Cm and above		Total		G. Total
			N	D	N	D	N	D	N	D	N	D	N	D	N	D	
1	Special	Teak	2	1	0	0	1	0	0	0	0	0	0	0	3	1	4
2	Category	Chandan	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
		Total Spl Class	2	1	0	1	1	0	0	0	0	0	0	0	3	2	5
1	1st Class	Sal	932	2466	135	413	19	100	2	21	0	2	4	4	1092	3006	4098
2	Category	Bandhan	1	8	1	1	0	0	0	0	0	0	0	0	2	9	11
3		Ghambar	2	13	0	7	0	0	0	0	0	0	0	0	2	20	22
4		Pisala	8	50	8	18	2	6	0	2	2	0	0	0	20	76	96
		Total 1st Class	943	2537	144	439	21	106	2	23	2	2	4	4	1116	3111	4227
1	2nd Class	Asana	67	315	7	59	2	12	1	5	0	2	0	0	77	393	470
2	Category	Mango	3	10	0	5	0	4	1	7	2	1	5	4	11	31	42
3		Jamun	8	129	2	22	0	8	0	3	0	2	0	1	10	165	175
4		Kasi	5	50	3	9	0	1	0	0	0	0	0	0	8	60	68
5		Kendu	93	546	4	34	1	5	2	5	5	5	1	1	106	596	702
		Total 2nd Class	176	1050	16	129	3	30	4	20	7	10	6	6	212	1245	1457
1	3rd Class	Misc.	561	4048	104	682	68	213	68	90	48	54	61	85	910	5172	6082
	Category	Total 3rd Class	561	4048	104	682	68	213	68	90	48	54	61	85	910	5172	6082
		Grand Total	1682	7636	264	1251	93	349	74	133	57	66	71	95	2241	9530	11771

No of Units. = 1590.10 units

Quantum of Forest Produce from the Forest Land involved in the broken up forest area.

i) Total nos. of units = 1590.10 units

ii) Approximate additional Firewood. = 159 Truck load


Divisional Forest Officer,
Keonjhar Division

CALCULATION OF UNIT VALUE OF TIMBER

Proposal for diversion of 345.189 ha Forest Land Khandbandh Iron Ore Mines of M/s OMC Ltd

Girth / Class

Spl. Class

	Sound				
Under 60 cm	2	X	0.50	=	1.00
60 cm to U/90 cm	0	X	1.00	=	0.00
90 cm to U/120 cm	1	X	2.00	=	2.00
120 cm to U/150 cm	0	X	4.00	=	0.00
150 cm to U/180 cm	0	X	8.00	=	0.00
180 cm and Above	0	X	12.00	=	0.00
	3			=	3.00

	Unsound				
	1	X	0.25	=	0.25
	1	X	0.50	=	0.50
	0	X	1.00	=	0.00
	0	X	2.00	=	0.00
	0	X	4.00	=	0.00
	0	X	6.00	=	0.00
	2			=	0.75

1st. Class

	Sound				
Under 60 cm	943	X	0.25	=	235.75
60 cm to U/90 cm	144	X	0.50	=	72.00
90 cm to U/120 cm	21	X	1.00	=	21.00
120 cm to U/150 cm	2	X	2.00	=	4.00
150 cm to U/180 cm	2	X	4.00	=	8.00
180 cm and Above	4	X	6.00	=	24.00
	1116			=	364.75

	Unsound				
	2537	X	0.12	=	304.44
	439	X	0.25	=	109.75
	106	X	0.50	=	53.00
	23	X	1.00	=	23.00
	2	X	2.00	=	4.00
	4	X	3.00	=	12.00
	3111			=	506.19

2nd. Class

	Sound				
Under 60 cm	176	X	0.12	=	21.12
60 cm to U/90 cm	16	X	0.25	=	4.00
90 cm to U/120 cm	3	X	0.50	=	1.50
120 cm to U/150 cm	4	X	1.00	=	4.00
150 cm to U/180 cm	7	X	2.00	=	14.00
180 cm and Above	6	X	3.00	=	18.00
	212			=	62.62

	Unsound				
	1050	X	0.06	=	63.00
	129	X	0.12	=	15.48
	30	X	0.25	=	7.50
	20	X	0.50	=	10.00
	10	X	1.00	=	10.00
	6	X	1.50	=	9.00
	1245			=	114.98

3rd. Class

	Sound				
Under 60 cm	561	X	0.06	=	33.66
60 cm to U/90 cm	104	X	0.12	=	12.48
90 cm to U/120 cm	68	X	0.25	=	17.00
120 cm to U/150 cm	68	X	0.50	=	34.00
150 cm to U/180 cm	48	X	1.00	=	48.00
180 cm and Above	61	X	1.50	=	91.50
	910			=	236.64

	Unsound				
	4048	X	0.03	=	121.44
	682	X	0.06	=	40.92
	213	X	0.12	=	25.56
	90	X	0.25	=	22.50
	54	X	0.50	=	27.00
	85	X	0.75	=	63.75
	5172			=	301.17

Total Sound = 2241 Nos = 667.01 Unit

Total Unsound = 9530 Nos = 923.09 Unit

TOTAL 11771 Nos = 1590.10 Unit


Divisional Forest Officer,
Keonjhar Division.