

ANNEXURE - XXIII(A)

Species wise and diameter class wise abstract of trees enumerated in 20 representative sample plots (1.0 ha. Each) over 84.707 ha. of virgin Forest land within Dalpahar Iron & Manganese Mines of M/s. D.C.Jain.															
SPECIES / Girth	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL		Grand Total
	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	
Sisoo	8	7	11	4	0	0	3	0	0	0	0	0	22	11	33
Spl. Class	8	7	11	4	0	0	3	0	0	0	0	0	22	11	33
Sal	155	306	45	70	7	6	0	1	0	0	0	0	207	384	591
Piasal	19	29	33	30	15	13	2	7	0	0	0	0	69	79	148
Kurum	28	80	11	19	1	4	0	0	0	0	0	0	40	103	143
Gambhar	11	19	1	15	1	11	0	1	0	0	0	0	13	46	59
Bandhan	1	6	5	5	1	1	0	2	0	0	0	0	7	14	21
1st Class	214	440	95	139	25	35	2	11	0	1	0	0	336	626	962
Assan	32	41	25	13	4	2	2	3	1	0	0	0	64	59	123
Dhaura	42	72	144	87	68	44	14	14	6	5	0	2	274	224	498
Jamu	7	12	6	4	0	1	0	0	0	0	0	0	13	17	30
Kasi	13	27	17	15	3	6	0	2	0	0	0	0	33	50	83
Kendu	8	16	6	9	9	1	5	2	1	1	0	0	29	29	58
Mango	0	0	0	0	0	0	0	0	1	0	1	0	2	0	2
2nd Class	102	168	198	128	84	54	21	21	9	6	1	2	415	379	794
Misc	816	866	420	419	94	140	21	38	6	15	4	5	1361	1483	2844
3rd Class	816	866	420	419	94	140	21	38	6	15	4	5	1361	1483	2844
TOTAL	1140	1481	724	690	203	229	47	70	15	22	5	7	2134	2499	4633

No of Units. = 717.01 units

Trees below 30 cms. girth = 8441 Nos.

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

- Total nos. of units = 717.01 units/ 20 x 79.407 ha. = 2846.78 units
- Approximate additional Firewood. = 285 Truck load
- Trees below 30 cms. Girth = 8441 Nos./20 x 79.407 ha. = 33514 Nos. = 84 Truck load
- Value of Minor Forest Produce in lumpsum = Rs.1,00,000/-

Divisional Forest Officer,
Keonjhar Division.

CALCULATION OF UNIT VALUE OF TIMBER

TREE ENUMERATION OVER THE VIRGIN FOREST LAND WITHIN DALPAR MINES OF M/S. D.C.JAIN.

Girth / Class											
Spl. Class	Sound					Unsound					
Under 60 cm	8	x	0.50	=	4.00	7	x	0.25	=	1.75	
60 cm to U/90 cm	11	x	1.00	=	11.00	4	x	0.50	=	2.00	
90 cm to U/120 cm	0	x	2.00	=	0.00	0	x	1.00	=	0.00	
120 cm to U/150 cm	3	x	4.00	=	12.00	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	
	22			=	27.00	11			=	3.75	
1st. Class	Sound					Unsound					
Under 60 cm	214	X	0.25	=	53.50	440	X	0.12	=	52.80	
60 cm to U/90 cm	95	X	0.50	=	47.50	139	X	0.25	=	34.75	
90 cm to U/120 cm	25	X	1.00	=	25.00	35	X	0.50	=	17.50	
120 cm to U/150 cm	2	X	2.00	=	4.00	11	X	1.00	=	11.00	
150 cm to U/180 cm	0	X	4.00	=	0.00	1	X	2.00	=	2.00	
180 cm and Above	0	X	6.00	=	0.00	0	X	3.00	=	0.00	
	336			=	130.00	626			=	118.05	
2nd. Class	Sound					Unsound					
Under 60 cm	102	X	0.12	=	12.24	168	X	0.06	=	10.08	
60 cm to U/90 cm	198	X	0.25	=	49.50	128	X	0.12	=	15.36	
90 cm to U/120 cm	84	X	0.50	=	42.00	54	X	0.25	=	13.50	
120 cm to U/150 cm	21	X	1.00	=	21.00	21	X	0.50	=	10.50	
150 cm to U/180 cm	9	X	2.00	=	18.00	6	X	1.00	=	6.00	
180 cm and Above	1	X	3.00	=	3.00	2	X	1.50	=	3.00	
	415			=	145.74	379			=	58.44	
3rd. Class	Sound					Unsound					
Under 60 cm	816	X	0.06	=	48.96	866	X	0.03	=	25.98	
60 cm to U/90 cm	420	X	0.12	=	50.40	419	X	0.06	=	25.14	
90 cm to U/120 cm	94	X	0.25	=	23.50	140	X	0.12	=	16.80	
120 cm to U/150 cm	21	X	0.50	=	10.50	38	X	0.25	=	9.50	
150 cm to U/180 cm	6	X	1.00	=	6.00	15	X	0.50	=	7.50	
180 cm and Above	4	X	1.50	=	6.00	5	X	0.75	=	3.75	
	1361			=	145.36	1483			=	88.67	
	Total Sound =				2134	Nos =	448.10	Unit			
	Total Unsound =				2499	Nos =	268.91	Unit			
	TOTAL				4633	Nos =	717.01	Unit			

Divisional Forest Officer,
Keonjhar Division.

ANNEXURE - XXIII(B)

Species wise and diameter class wise abstract of trees enumerated over 16.464 ha. of Broken up Forest land within Dalpahar Iron & Manganese Mines of M/s. D.C. Jain.														
SPECIES / Girth	30 cm to 59 cm		60 cm to 89 cm		90 cm to 119 cm		120 cm to 149 cm		150 cm to 179 cm		180 cm & Above		TOTAL	
	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound	Sound	Unsound
Sisoo	0	0	0	1	1	0	0	0	0	0	0	0	1	1
Spl. Class	0	0	0	1	1	0	0	0	0	0	0	0	1	1
Sal	209	201	79	111	23	27	9	8	3	2	1	0	324	349
Piasal	6	4	6	2	1	2	0	2	1	0	0	0	14	10
Kurum	13	34	2	13	2	2	0	0	0	0	0	0	17	49
Gambhar	9	4	4	1	0	0	0	0	0	0	0	0	13	5
Bandhan	3	1	3	3	1	1	0	0	0	0	0	0	7	5
1st Class	240	244	94	130	27	32	9	10	4	2	1	0	375	418
Assan	49	25	24	19	5	4	2	0	0	0	0	0	80	48
Dhaura	16	22	17	25	4	8	1	2	0	0	0	0	38	57
Jamu	23	18	11	12	3	5	0	0	0	1	0	1	37	37
Kasi	29	17	13	11	2	3	2	0	0	0	0	0	46	31
Kendu	6	2	2	3	1	1	1	0	0	0	0	0	10	6
Mango	1	0	0	2	2	1	2	0	0	0	0	1	5	4
2nd Class	124	84	67	72	17	22	8	2	0	1	0	2	216	183
Misc	390	332	216	208	40	88	8	23	5	16	6	9	665	676
3rd Class	390	332	216	208	40	88	8	23	5	16	6	9	665	676
TOTAL	754	660	377	411	85	142	25	35	9	19	7	11	1257	1278
													Grand Total	2535

Trees below 30 cms. girth = 3114 Nos.

No of Units. = 471.41 units

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

- i. Total nos. of units = 471.41 units.
- ii) Approximate additional Firewood. = 47 Truck load
- iii) Trees below 30 cms. Girth = 3114 Nos. = 08 Truck load
- (iv) Value of Minor Forest Produce in lumpsum = Rs.1,00,000/-

Divisional Forest Officer,
Keonjhar Division.

CALCULATION OF UNIT VALUE OF TIMBER

TREE ENUMERATION OVER BROKEN UP FOREST LAND WITHIN DALPAHAR MINES OF M/S. D.C.JAIN.

Girth / Class											
Spl. Class	Sound					Unsound					
Under 60 cm	0	x	0.50	=	0.00	0	x	0.25	=	0	
60 cm to U/90 cm	0	x	1.00	=	0.00	1	x	0.50	=	0.50	
90 cm to U/120 cm	1	x	2.00	=	2.00	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	
	1			=	2.00	1			=	0.50	
1st. Class	Sound					Unsound					
Under 60 cm	240	X	0.25	=	60.00	244	X	0.12	=	29.28	
60 cm to U/90 cm	94	X	0.50	=	47.00	130	X	0.25	=	32.50	
90 cm to U/120 cm	27	X	1.00	=	27.00	32	X	0.50	=	16.00	
120 cm to U/150 cm	9	X	2.00	=	18.00	10	X	1.00	=	10.00	
150 cm to U/180 cm	4	X	4.00	=	16.00	2	X	2.00	=	4.00	
180 cm and Above	1	X	6.00	=	6.00	0	X	3.00	=	0.00	
	375			=	174.00	418			=	91.78	
2nd. Class	Sound					Unsound					
Under 60 cm	124	X	0.12	=	14.88	84	X	0.06	=	5.04	
60 cm to U/90 cm	67	X	0.25	=	16.75	72	X	0.12	=	8.64	
90 cm to U/120 cm	17	X	0.50	=	8.50	22	X	0.25	=	5.50	
120 cm to U/150 cm	8	X	1.00	=	8.00	2	X	0.50	=	1.00	
150 cm to U/180 cm	0	X	2.00	=	0.00	1	X	1.00	=	1.00	
180 cm and Above	0	X	3.00	=	0.00	2	X	1.50	=	3.00	
	216			=	48.13	183			=	24.18	
3rd. Class	Sound					Unsound					
Under 60 cm	390	X	0.06	=	23.40	332	X	0.03	=	9.96	
60 cm to U/90 cm	216	X	0.12	=	25.92	208	X	0.06	=	12.48	
90 cm to U/120 cm	40	X	0.25	=	10.00	88	X	0.12	=	10.56	
120 cm to U/150 cm	8	X	0.50	=	4.00	23	X	0.25	=	5.75	
150 cm to U/180 cm	5	X	1.00	=	5.00	16	X	0.50	=	8.00	
180 cm and Above	6	X	1.50	=	9.00	9	X	0.75	=	6.75	
	665			=	77.32	676			=	53.50	
	Total Sound =				1257	Nos =	301.45	Unit			
	Total Unsound =				1278	Nos =	169.96	Unit			
	TOTAL				2535	Nos =	471.41	Unit			

Divisional Forest Officer,
Keonjhar Division.