

TREE ENUMERATION LIST OVER REVENUE FOREST LAND

(169.1779 Ha.)

FOR

UTKAL-E COAL BLOCK

OF

NALCO Ltd.

**TOTAL NO OF TREES TO BE FELLED FROM 169.1779 Ha. REVENUE FOREST LAND
INVOLVED IN UTKAL-E COAL BLOCK IN NALCO Ltd.**

Abstract of Tree Enumeration

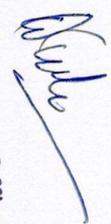
Name of Village	Area(Ha.)	Total No. of trees
Nandichhoda Oraf Gopiballavpur	107.9416	6303
Kundajhari Jungle	41.4941	7332
Gopinathpur	19.7422	94
Grand Total	169.1779	13729

Thirteen Thousand Seven Hundred Twenty Nine Only


S.K. PATEL
General Manager (Technical)
Project & Technical Department
National Aluminium Company, Ltd
Bhubaneswar-751061


Tahasildar,
Chhendipada


REVENUE INSPECTOR
RALUJANAM


Forest Range Officer
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**Consolidated Abstract of Tree Enumeration over Revenue Forest Land (1-16 Sample Plots @2Ha Each)of Utkal-E Coal Block for Forest
Diversion Proposal of NALCO Ltd. Angul, Odisha**

Sl NO	Name of Villages	Name of Tree	Girth 30-59 (in cm)		Girth 60-89 (in cm)		Girth 90-119 (in cm)		Girth 120-149 (in cm)		Girth 150-179 (in cm)		Girth 180-209 (in cm)		210 cm AND ABOVE		TOTAL S	TOTAL U	GRAND TOTAL S & U	
			S	U	S	U	S	U	S	U	S	U	S	U						
1		SAL	1408	17	235	23	9	12	1	5							1653	57	1710	
2		BARA BAKALLA	3		3		2		1								9		9	
3		CHARA	198		3												201		201	
4		ASAN	81	9	10	5	4	7	2				1				96	23	119	
5		MAHULA	314	6	23	5	18	2	10	4	2					4	371	17	388	
6		DHAURA	12	1				1									12	2	14	
7		ROHINI	70	2	10	17		1	1								81	3	84	
8		KENDU	41	12	24		11	4	11	4	3					1	93	37	130	
9		BHALUA	7														7		7	
10		HARIDA	1														1		1	
11		CHAULI	6	1	1												7	1	8	
12		JAMU	52	3	9	5	1	2		1							62	11	73	
13		KHAKADA	8														8		8	
14		MAI	15		5		1	1									21	1	22	
15		BELA	1														1		1	
16		PATAMASU				2												2	2	2
17		HALADA	5			1											6	1	7	
18		BAHADA	4	1		1											4	2	6	
19		ARUNA	3	2													3	2	5	
20		DHAURANIA	2														2		2	
21		KATAKA	12	1	1	1											13	2	15	
22		AMBA							1								1		1	
23		GHUSTAMI	1														1		1	
24		PIASAL	2														2		2	
25		ANCHHU	3														3		3	
26		VERU	3														3		3	
27		GHUNTULI	1		1												2		2	
28		KURUMA	1														1		1	
29		KARADA	3														3		3	
30		NEM	2														2		2	
31		ASUNA																4	4	
32		KUSUM								1								1	1	
33		PALASA			1												1		1	
34		SUNARI	1														1		1	
		TOTAL	2260	55	327	60	46	30	25	17	5	0	3	1	5	3	2671	166	2837	

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Tree Enumeration for Utkal-E Coal Block Of NALCO Ltd.

Sl NO	Name of Tree	Girth 30-59 (in cm)		Girth 60-89 (in cm)		Girth 90-119 (in cm)		Girth 120-149 (in cm)		Girth 150-179 (in cm)		Girth 180-209 (in cm)		210 cm AND ABOVE		Nature of Tree		GRAND TOTAL S and U	
		S	U	S	U	S	U	S	U	S	U	S	U	S	U	S	U		
1	CHARA	110		1													111	0	111
2	MAHULA	229	2	9	1	9	1	8	3	2							260	7	267
3	ROHINI	40	1	6													46	1	47
4	SAL	381	4	50	4	5	4	1	2								437	14	451
5	CHAULI	3	1														3	1	4
6	JAMU	30	1	8	1	1	1		1								38	4	42
7	ASAN	23	3	4	4	3	2										31	9	40
8	KENDU	4	2	9	3	2	3	4	3	2							22	11	33
9	VERU	3															3	0	3
10	BHALLA	1															1	0	1
11	BARA BAKALA	1		1				1									3	0	3
12	GHUNTULI	1		1													2	0	2
13	ANCHHU	1															1	0	1
14	KATAKA	11															11	0	11
15	MAI	7															7	0	7
16	DHAURA	6	1														6	1	7
17	KURUMA	1															1	0	1
18	KARADA	3															3	0	3
20	NEEM	2															2	0	2
21	ASUNA																0	4	4
22	KUSUM								1								0	1	1
23	HALADA	2		1													3	0	3
24	KHAKADA	3															3	0	3
25	CHAULI	2															2	0	2
26	PALASA			1													1	0	1
27	SUNARI	1															1	0	1
	TOTAL	865	15	91	13	19	11	14	10	4	0	2	1	3	3	998	53	1051	

Total no of trees found in 9 sample plots of 2 Ha. each i.e. over an area of 18 Ha. found to be 1051 nos. So the presence of trees calculated in 1 Ha = 1051/18 = 58.39 or say 58 nos.

Therefore the total nos of trees present in 107.9416 Ha. area will be 107.9416 x 58.39 = 6302.71 or say 6303 nos.

So the total no of trees found in village Nandichhoda Oraf Gopiballavapur is 6303.

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Tree Enumeration for Utkal-E Coal Block Of NALCO Ltd.

Abstract of Tree Enumeration Report of Revenue Forest (41.4941Ha.) in village Kundajhari Jungle (Over 5 Sample Plots) Of 2 Ha. Each

Sl NO	Name of Tree	Girth 30-59 (in cm)		Girth 60-89 (in cm)		Girth 90-119 (in cm)		Girth 120-149 (in cm)		Girth 150-179 (in cm)		Girth 180-209 (in cm)		210 cm AND ABOVE		Nature of Tree		GRAND TOTAL S and U	
		S	U	S	U	S	U	S	U	S	U	S	U	S	U				
1	SAL	1027	13	185	19	4	8										1216	43	1259
2	BARA BAKALLA	2		2		2											6	0	6
3	CHARA	75															77	0	77
4	ASAN	58		6		1		5									65	14	79
5	MAHULA	80		14		4		9		1							106	10	116
6	DHAURA	6						1									6	1	7
7	ROHINI	30		4				1		1							35	2	37
8	KENDU	37		15		14		9		1							71	26	97
9	BHALIA	6															6	0	6
10	HARIDA	1															1	0	1
11	CHAULI	1															2	0	2
12	JAMU	22		1		4		1		1							24	7	31
13	KHAKADA	5															5	0	5
14	MAI	8		5				1		1							14	1	15
15	BELA	1															1	0	1
16	PATAMASU					2											0	2	2
17	HALADA	2				1											2	1	3
18	BAHADA	4				1											4	2	6
19	ARUNA	3															3	2	5
20	DHAURANJA	2															2	0	2
21	KATAKA	1				1											2	2	4
22	AMBA																1	0	1
23	GHUSTAMI	1															1	0	1
24	PIASAL	2															2	0	2
25	ANCHHU	2															2	0	2
	TOTAL	1376	40	236	47	27	19	11	7	1	0	1	0	2	0	1654	113	1767	

Total no of trees found in 5 sample plots of 2 Ha. each i.e. over an area of 10 Ha. found to be 1767 nos. So the presence of trees calculated in 1 Ha = 1767/10 = 176.7 or say 177 nos.

Therefore the total nos of trees present in 41.4941 Ha. area will be 41.4941 x 176.7 = 7332 nos.

So the total no of trees found in village Kundajhari Jungle is 7332.

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Tree Enumeration for Utkal-E Coal Block Of NALCO Ltd.

Abstract of Tree Enumeration Report of Revenue Forest (19.7422 Ha) in village Gopinathpur (Over 2 Sample Plots) Of 2 Ha. Each

Sl NO	Name of Tree	Girth 30-59 (in cm)		Girth 60-89 (in cm)		Girth 90-119 (in cm)		Girth 120-149 (in cm)		Girth 150-179 (in cm)		Girth 180-209 (in cm)		210 cm AND ABOVE		Nature of Tree		GRAND TOTAL S and U
		S	U	S	U	S	U	S	U	S	U	S	U	S	U			
1	CHARA	13														13	0	13
2	MAHULA	5														5	0	5
3	HALADA	1														1	0	1
	TOTAL	19														19	0	19

Total no of trees found in 2 sample plots of 2 Ha. each i.e. over an area of 4 Ha. found to be 19nos. So the presence of trees calculated in 1 Ha = 4.75 or say 5nos.

Therefore the total nos of trees present in 19.7422 Ha. area will be 19.7422 x 4.75 = 93.78 or say 94nos.

So the total no of trees found in village Gopinathpur is 94.


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