

No. 10954 /OMC/F&E/2017
22nd July' 2017

To
**The Divisional Forest Officer
Keonjhar Forest Division,
Keonjhar.**

Sub: Prospecting of Minerals through drilling of Bore Holes in Parulipada Manganese Mines of Odisha Mining Corporation Limited (Proposal No. FP/OR/MIN/17/2014).

Ref: Letter No. 5061/Mining, Dtd.18.06.2015 of DFO, Keonjhar Forest Division.

Sir,

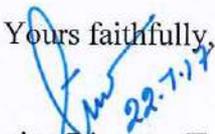
The point-wise compliance to the observations made by DFO, Keonjhar vide letter under reference during the Joint Field Inspection conducted on dated 29.05.2015 is given as under:

Sl.No	Observation	Compliance
1	Categorical patch wise demarcation of proposed prospecting operation (Bore Hole and approach road) in applied Forest land within the Mining Lease.	Parulipada Manganese Mining Lease comes under Karo Reserved Forest. The bore hole pads and the temporary access path to the bore hole site have been demarcated in the field and plotted on the plan enclosed herewith as Plate No. I.
2	No of Bore Holes and length of approach road along with area required under each in respect of R.F/D.L.C./Rev. Forest etc.	Detailed information regarding forest area required for bore holes and approach road is submitted as Annexure-I. Reasons of change in different types of forest area diverted for exploration is enclosed as Annexure-II. Land schedule is submitted as Annexure-III. Abstract of area as per DGPS survey is submitted as Annexure-IV.
3	Enumeration list of tree required to be removed for the proposed prospecting operation.	The list of Enumeration of trees standing over proposed prospecting area in forest land duly authenticated by Forest Officials and OMC is enclosed as Annexure-V. Tree felling shall be completely avoided while executing the work.

It is requested to kindly process the proposal with the above compliances at an early date.

Encls: As above

Yours faithfully,


Executive Director (F & E)

Memo No...../OMC/F&E/2017, Dtd.22.07.2017

Copy forwarded to the R.M, Barbil for kind information, He is requested to peruse the matter with DFO, Keonjhar for needful action.

Executive Director (F & E)

The Odisha Mining Corporation Ltd.

(A Gold Category State PSU)

Registered Office : OMC House, Bhubaneswar-751001, India
Tel: 0674-2377400/2377401, Fax: 0674-2396889, 2391629, www.omcltd.in
CIN : U131000R1956SGC000313

ANNEXURE - I

Details of forest area proposed for exploration

Sl.No	Items	Forest Area Considered in the proposal (in Ha.)					Forest Area Considered in the revised proposal (in ha) (SABIK + HAL)				
		RF	VF	Total	NF	Grand Total	RF	VF	Total	NF	Grand Total
1	Bore Hole pad.	0.60 ha. (30 Nos. X 0.02 ha)	1.00 ha. (50 Nos. X 0.02 ha)	1.60ha. (80Nos. X 0.02 ha)	0.34ha. (17 Nos. X 0.02 ha)	1.94 ha. (97 Nos. X 0.02 ha)	0.60 ha. (30 Nos. X 0.02 ha)	1.34 ha. (67 Nos. X 0.02 ha)	1.94 ha. (67 Nos. X 0.02 ha)	--	1.94 ha. (67 Nos. X 0.02 ha)
2	Approach Road to bore hole sites	0.966 ha (1.932km X 0.005 Km. X 100)	2.148 ha. (4.296 Kms. X 0.005 Km. X 100)	3.114 ha. (6.228 Kms. X 0.005 Km. X 100)	1.021 ha. (2.042 Kms. X 0.005 Km. X 100)	4.135 ha. (8.270Kms. X 0.005 Km. X 100)	0.966 ha (1.932km X 0.005 Km. X 100)	3.169 ha. (6.338 Kms. X 0.005 Km. X 100)	4.135 ha. (8.270Kms. X 0.005 Km. X 100)	--	4.135 ha. (8.270Kms. X 0.005 Km. X 100)
	Sub-Total	1.566 ha.	3.148 ha.	4.714 ha.	1.361 ha.	6.075 ha.	1.566 ha.	4.509 ha.	6.075 ha.	--	6.075 ha.
3	Existing Road	0.364 ha (0.728km X 0.005 Km. X 100)	0.114 ha. (0.228 Kms. X 0.005 Km. X 100)	0.478 ha. (0.956 Kms. X 0.005 Km. X 100)	0.146 ha. (0.292 Kms. X 0.005 Km. X 100)	0.624 ha. (1.248 Kms. X 0.005 Km. X 100)	0.364 ha (0.728km X 0.005 Km. X 100)	0.260 ha (0.520km X 0.005 Km. X 100)	0.624 ha. (1.248 Kms. X 0.005 Km. X 100)	--	0.624 ha. (1.248 Kms. X 0.005 Km. X 100)
	Total	1.93 ha.	3.262 ha.	5.192 ha.	1.507 ha.	6.699 ha.	1.93 ha.	4.769 ha.	6.699 ha.	--	6.699 ha.



Executive Director (F&E)
 Executive Director (F & E)
OMC Ltd.
 Bhubaneswar

JUSTIFICATION OF CHANGE IN THE TOTAL FOREST AREA INCLUDED WITHIN PARULIPADA
MANGANESE MINING LEASE OF OMC LTD.

Sl. No.	Category of land	Certified land details submitted (ha)	Certified land details as on 25.10.1980 (ha)	Difference in forest area in ha
1	Revenue Forest	52.262	50.881	- 1.381
2	Reserved Forests	31.926	31.337	- 0.589
3	Non-forest	20.672	21.941	+1.269
Total		104.86	104.159	-0.701

Justification

1. Reserved Forest area of 31.926 ha as per the certified copy of land schedule (Annexure-I) has been reduced by 0.589 ha due to DGPS survey as certified by Forest, Revenue, Mining and ORSAC personnel. Copy of the abstract of duly authenticated land details is enclosed as Annexure-II.
2. Total granted ML area of 104.86 ha comes to 104.159 ha (decrease of 0.701 ha) by DGPS survey.


Executive Director (F & E)
OMC Ltd.
Bhubaneswar

ABSTRACT OF LAND SCHEDULE

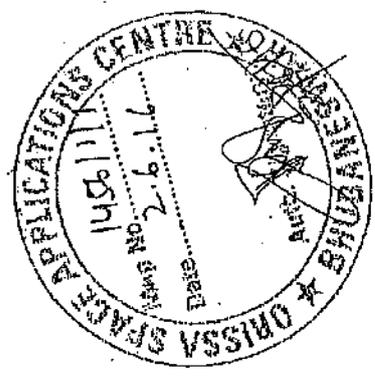
Sl.No	Village Name	Forest Land				Non Forest Land				Area in Acres		Area in Hects.	
		VF		Govt. Land		Private Land		Total		Acres	Hects	Acres	Hects
		Acres	Hects	Acres	Hects	Acres	Hects	Acres	Hects				
1	Parulipada	125.7295	50.881	26.0795	10.554	28.1378	11.387	54.2173081	21.941	179.9468031	72.822		
2	Karo R.F.	77.435	31.337					77.435			31.337		
Total		203.16479	82.218	26.0795	10.554	28.1378	11.387	54.2173081	21.941	257.382097	104.159		

[Signature]
 9/2-8-16
 Chief Surveyor to Mines
 Odisha Department of Mines

[Signature]
 12/08/16
 Senior Inspector of Mines
 Joda, Dist. Keonjhar

[Signature]
 Forest Officer
 Joda Range

[Signature]
 10/4/17
 Revenue Inspector
 Ghatgaon



[Signature]
 22/10/17
 Range Officer
 Champua Range

[Signature]
 10/4/17
 Amin
 Hatadi ki

LAND SCHEDULE

LAND SCHEDULE OF THE RETAINED AREA OVER 259.12ACRES. OR 104.86 HECTARES OUT OF THE TOTAL ML AREA 170.17HECTARES EXECUTED IN FAVOUR OF M/S ORISSA MINING CORPORATION LIMITED FOR MANGANESE AND IRON ORE IN VILLAGE -KENDUDIH (PARULIPADA) NO.42 AND KARO RESERVED FOREST UNDER P.S.BARBIL OF KEONJHAR DISTRICT.

VILLAGE- KENDUDIH (PARULIPADA).NO.42

P.S.:BARBIL
DIST:KEONJHAR

PLOT NO.	KHATA NO.	NAME OF THE TENANT	KISSAM	AREA (ACRS)	REMARKS
503	67	Rakhita	Jungle(Deep)	35.38	Part
504	69	Abada Jogya Anabadi	Patita	3.45	
505	69	-do-	-do-	1.31	
506	69	-do-	Jungle(Open)	9.64	Part
507	34	Pandu Munda	Taila-1	1.15	Part
508	69	Abada Jogya Anabadi	-do-	1.09	Part
509	29	Dansara Munda	-do-	2.35	
510	5	Aijuba Munda	-do-	2.16	
511	69	Abada Jogya Anabadi	-do-	1.66	
512	31	Naik Munda	-do-	1.16	
513	29	Dansara Munda	-do-	1.89	
514	69	Abada Jogya Anabadi	Jungle(Open)	6.30	Part
515	28	Jonash Munda	Taila-1	5.00	
516	37	Fika Munda	-do-	2.30	
517	37	-do-	Gharabari	0.15	
518	68	Sarva sadharana	Rasta	0.07	
519	29	Dansara Munda	Gharabari	0.04	
520	29	-do-	-do-	0.17	
521	69	Abada Jogya Anabad	Patita	0.11	Part
522	31	Naik Munda	Taila-1	0.73	Part
523	38	Bachha Munda	-do-	1.10	Part
526	69	Abada Jogya Anabad	Gharabari	0.40	Part
527	69	-do-	-do-	0.16	
528	69	-do-	Patita	2.10	Part
503/680	67	Rakhita	-do-	10.38	Part
503/681	67	-do-	Jungle(deep)	30.50	
503/819	67	-do-	-do-	12.32	Part
503/824	67	-do-	-do-	35.00	
507/825	69	Abada Jogya Anabad	Taila-1	0.39	
512/826	31	Naik Munda	Taila-1	0.26	

Checked
A. Mahapatra
Amin

TAHASILDAR
BARBIL

514/827	33	Fika Munda	Taila-2	0.85	
513/828	31	Naik Munda	Taila-1	0.43	
512/829	31	-do-	-do-	0.75	
515/830	69	Abada Jogya Anabad	-do-	2.26	
521/831	69	-do-	Gharabari	0.36	Part
506/834	29	Dansara Munda	Taila-2	0.54	
506/835	61	Sukuram Munda	-do-	1.80	
506/836	5	Aijub Munda	-do-	1.45	
511/837	31	Naik Munda	Taila-1	0.73	
515/838	18	Gangi Munda	-do-	2.34	
Karo R.F.				78.89	
TOTAL				259.12Acr	

ABSTRACT

Sl No	Name of the village	Govt land				Pvt. Land	G.Total (Acres)	Remarks
		Forest Land	Non-forest Land		Total			
	Road		Others					
1	Parulipada	129.14	0.07	23.67	152.88	27.35	180.23	
2	Karo R.F.	78.89	-	-	78.89	-	78.89	
Total		208.03	0.07	23.67	231.77	27.35	259.12	Acres
OR		84.19	0.03	9.57	93.79	11.07	104.86	Hectares

Checked 
M.P.M.


TAHASILDAR
BARBIL



**DETAILED TREE ENUMERATION LIST
OVER 6.699 HA**

**WITHIN PARULIPADA MINING LEASE AREA
OF 104.86 HA**

OF

ODISHA MINING CORPORATION LTD.

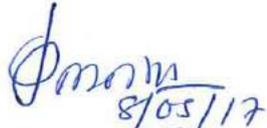
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8.	Plan showing proposed exploratory boreholes and Access Path in PARULIPADA lease (Scale= 1:3960)	Map attached

CERTIFICATE
OF
ENUMERATING
OFFICER

CERTIFICATE

Certified that 392 nos of sal & non-sal trees have been enumerated and 2874 nos of sal & non-sal poles below 30 c.m girth have been counted within the enumerated area over 6.699 Hect. in Parulipada mining lease area of 104.86 Hect. vide letter memo no. 6284, dtd. 13.08.2015 of Divisional Forest Officer, Keonjhar Division.


8/05/17
Forest Section Officer
Guali Section

**ABSTRACT OF TREE
ENUMERATION OF
PARULIPADA LEASE
AREA OVER 6.699 HECT.**

ABSTRACT OF TREE ENUMERATION OF PARULIPADA LEASE AREA OVER 6.699 HECT.

Sl. No	Species	30 to 59 cm girth		60 to 89 cm girth		90 to 119 cm girth		120 to 149 cm girth		150 & above girth		TOTAL		Grand Total
		Normal	Defective	Normal	Defective	Normal	Defective	Normal	Defective	Normal	Defective	Normal	Defective	
1	Sal	7	9	19	5	22	1	11	0	1	0	60	15	75
2	Chara	15	2	10	0	2	0	0	0	0	0	27	2	29
3	Simili	1	0	0	0	0	0	0	0	0	0	1	0	1
4	Sidha	1	1	2	0	0	0	0	0	0	0	3	1	4
5	Kumbhi	1	0	1	0	0	0	0	0	0	0	2	0	2
6	Mahaneem	0	0	0	0	0	0	1	0	0	0	1	0	1
7	Bahada	4	1	6	3	0	0	0	0	0	0	10	4	14
8	Kalikendu	3	5	0	1	1	0	0	0	0	0	4	6	10
9	Jamu	0	0	2	0	1	0	1	0	0	0	4	0	4
10	Misc.	24	11	5	5	4	0	0	0	0	0	33	16	49
11	Daka	11	4	4	0	1	0	0	0	0	0	16	4	20
12	Kusuma	2	2	0	0	0	0	0	0	1	0	3	2	5
13	Mahula	8	1	11	0	3	1	2	0	1	0	25	2	27
14	Kendu	27	1	2	0	0	0	0	0	0	0	29	1	30
15	Harida	13	1	1	0	0	0	0	0	0	0	14	1	15
16	Dhala	7	4	5	2	3	2	0	0	0	0	15	8	23
17	Karama	8	2	1	0	1	0	0	0	0	0	10	2	12
18	Kainsi	6	0	3	0	0	0	0	0	0	0	9	0	9
19	Asana	16	4	3	1	1	0	0	0	0	0	20	5	25
20	Piasal	2	0	0	0	0	0	0	0	0	0	2	0	2
21	Chakhunda	1	0	0	0	1	0	0	0	0	0	2	0	2
22	Mango	0	0	1	0	0	0	0	0	0	0	1	0	1
23	Sinduri	2	0	0	0	0	0	0	0	0	0	2	0	2
24	Kasi	3	0	0	0	1	0	0	0	0	0	4	0	4
25	Achu	3	0	0	0	0	0	0	0	0	0	3	0	3
26	Kalama	2	1	0	0	0	0	0	0	0	0	2	1	3
27	Kuluchi	2	0	0	0	0	0	0	0	0	0	2	0	2
28	Pipal	0	1	0	0	0	0	0	0	0	0	0	1	1
29	Sunari	3	0	0	0	0	0	0	0	0	0	3	0	3
30	Angara	1	1	0	0	0	0	0	0	0	0	1	1	2
31	Gambhari	3	0	1	0	0	0	0	0	0	0	4	0	4
32	Begena	1	1	0	0	0	0	0	0	0	0	1	1	2
33	Putuli	2	3	0	0	0	0	0	0	0	0	2	3	5
34	Amla	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL		180	55	77	17	41	4	15	0	3	0	316	76	392

Poles counted

Sal - U/30 c.m.= 1308
 Non Sal-U/30 c.m.= 1566
 Total -U/30 c.m.= 2874

Tree Enumerated

Sal- Above 30 c.m.=75
 Non Sal- Above 30 c.m.=317
 Total- Above 30 c.m.=392

Dy. Manager (Geo.)
 OMC Ltd.

Authorised Signatory
 of Lessee

Forest Guard
 Kendudihi Beat

Forester
 Guali Section

Range Officer
 Barbil Range

Seremda Prosp. Cam (Regional Manager, Barbil)
 O. M. C. Ltd. Odisha Mining Corporation Ltd
 BARRIL

**ABSTRACT OF BREAK-UP OF
PROPOSED EXPLORATION OF
BORE HOLES AND ROADS IN
PARULIPADA LEASE AREA**

ABSTRACT OF BREAK-UP OF PROPOSED EXPLORATION OF BORE HOLES AND ACCESS PATH IN PARULIPADA AREA

Sl. No	Items	Reserved Forest	Village Forest	Total Forest
1	No. of proposed bore holes	30	67	97
2	Proposed Road (Access Path) length in Mtrs	1932.204	6338.002	8270.206
3	Existing road length in Mtrs	728.42	519.891	1248.311

CATEGORY WISE BREAK-UP OF AREA FOR EXPLORATION OF BORE HOLES AT PARULIPADA AREA

SL. No	Item	Reserved Forest Area in Hect.	Village Forest Area in Hect.	Total Forest Area in Hect.
1	Bore holes	0.60	1.34	1.94
2	Proposed Road (Access Path)	0.966	3.169	4.135
3	Existing road	0.364	0.260	0.624
	Total	1.93	4.769	6.699

Behara

Deputy Manager (Geo)
OMC LTD.

Barma

Authorised Signatory
Of Lessee

Saraj Kumar Das
Forest Guard
Kendudihi Beat

Pradyumn Das
Forester
Guali section
Range Officer
Barbil Range

Dy. Manager (Geo.)
Seremda Prosp. Camp
O. M. C. Ltd.
(Regional Manager, Barbil)
Regional Manager
Odisha Mining Corporation Ltd
BARBIL

**DETAILED TREE
ENUMERATION FOR
EXPLORATION OF BORE
HOLES IN PARULIPADA ML
AREA OVER 6.699 HECT.**

**DETAIL LIST OF TREE ENUMERATION FOR EXPLORATION OF BORE
HOLE IN PARULIPADA ML AREA OVER 6.699 Hect.**

Sl.No	Tree Number	Name of Species	Girth at breast height in cm	Height (Occular estimate)	Remarks	
					N	D
1	2	3	4	5	6	
P - 10 (N 21° 59' 31.6" , E 85° 15' 34.3")						
Only Poles						
P - 07 (N 21° 59' 34.4" , E 85° 15' 35.8")						
1	1	Mahula	76	3	N	
2	2	Mahula	163	5	N	
3	3	Mahula	91	3	N	
P - 03 (N 21° 59' 36.3" , E 85° 15' 40.2")						
4	1	Sidha	31	1.5		D
5	2	Pipal	32	2		D
P - 02 (N 21° 59' 37.6" , E 85° 15' 37.7")						
6	1	Sunari	45	3	N	
7	2	Dhala	50	1.5		D
8	24	Misc	45	3	N	
P - 08 (N 21° 59' 33.2" , E 85° 15' 38.9")						
Only Poles						
P - 09 (N 21° 59' 30.3" , E 85° 15' 37.8")						
NO TREE GROWTH						
P - 01 (N 21° 59' 41.2" , E 85° 15' 38.8")						
Only Poles						
P - 05 (N 21° 59' 37.0" , E 85° 15' 29.6")						
9	1	Misc	37	2		D
10	2	Asana	31	2		D
P - 11 (N 21° 59' 33.1" , E 85° 15' 31.4")						
11	1	Mahula	94	3.5	N	
12	2	Mahula	52	3		D
13	3	Bahada	57	3	N	
14	4	Kendu	86	5	N	
P - 06 (N 21° 59' 35.9" , E 85° 15' 32.6")						
15	1	Mahula	32	2	N	
16	2	Simili	50	5	N	
17	3	Mango	78	4	N	
18	4	Mahula	75	5	N	
19	5	Mahula	72	4	N	
20	6	Mahula	140	5	N	
21	7	Misc	37	2		D
22	8	Karama	40	1.5		D
23	9	Mahula	87	6	N	

Behere

Dy. Manager(Geo)
OMC Ltd.

Dy. Manager (Geo.)
Seremda Prosp. Camp
O. M. C. Ltd.

[Signature]

Authorised Signatory
of Lessee

(Regional Manager, Barbil)

Regional Manager
Odisha Mining Corporation Ltd
BARBIL

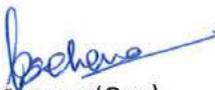
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Forest Guard
Kendudihi Beat

[Signature]

Forester
Guali Section

P - 04 (N 21° 59' 40.0" , E 85° 15' 33.8")						
24	1	Mahula		2	N	
P - 12 (N 21° 59' 34.1" , E 85° 15' 27.9")						
25	1	Bahada	57	3.5	N	
26	2	Chara	35	5	N	
27	3	Daka	40	3	N	
28	4	Kendu	35	3	N	
P - 13 (N 21° 59' 34.8" , E 85° 15' 25.2")						
29	1A	Daka	45	3.5	N	
30	1B	Daka	40	4	N	
31	2	Kendu	34	3	N	
32	3	Gambhari	32	2	N	
33	4	Karama	40	2.5	N	
34	5	Kendu	32	3.5	N	
P - 16 (N 21° 59' 31.4" , E 85° 15' 26.5")						
35	1	Chara	91	7	N	
P - 14 (N 21° 59' 35.5" , E 85° 15' 20.0")						
36	1	Misc	63	3.5	N	
37	2	Piasal	32	2.5	N	
38	3	Kali Kendu	33	1.5		D
39	4	Daka	40	3.5	N	
P - 28 (N 21° 59' 32.2" , E 85° 15' 15.5")						
40	1	Kalama	42	4.5		D
41	2	Dhala	32	3.5	N	
P - 29 (N 21° 59' 29.4" , E 85° 15' 13.8")						
42	1	Kainsi	50	3	N	
43	2	Achu	37	2.3	N	
44	3	Daka	35	4	N	
45	4	Achu	32	2.3	N	
46	5	Asana	50	6.5	N	
47	6	Harida	52	5.5	N	
P - 15 (N 21° 59' 32.5" , E 85° 15' 23.5")						
48	1	Daka	40	5	N	
49	2	Daka	34	4.5	N	
50	3	Misc	60	6	N	
51	4	Misc	50	2.5	N	
52	5	Daka	40	3.5	N	
53	6	Misc	41	8	N	
54	7	Kalama	43	4.5	N	
55	8	Kainsi	50	2.5	N	
P - 17 (N 21° 59' 29.8" , E 85° 15' 30.0")						
Only Poles						


Dy. Manager (Geo)
O. M. C. Ltd.


Authorised Signatory
of Lessee
(Regional Manager, Barbil)

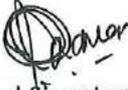
Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section
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P - 18 (N 21° 59' 28.6" , E 85° 15' 33.0")						
56	1	Chara	36	2.5	N	
P - 19 (N 21° 59' 26.4" , E 85° 15' 38.2")						
NO TREE GROWTH						
P - 20 (N 21° 59' 26.4" , E 85° 15' 38.2")						
NO TREE GROWTH						
P - 26 (N 21° 59' 29.5" , E 85° 15' 21.9")						
57	1A	Bahada	60	5	N	
58	1B	Bahada	50	3.5	N	
59	2	Dhala	41	4	N	
60	3	Kalama	40	2	N	
61	4	Sal	110	7.5	N	
62	5	Sal	71	7	N	
63	6	Misc	40	4.5	N	
64	7	Dhala	45	4.5	N	
65	8	Asana	60	5.5	N	
66	9	Misc	55	6.5	N	
67	10	Misc	35	3.5	N	
68	11	Harida	40	5	N	
69	12A	Karam	40	4.5	N	
70	12B	Karam	32	2.5	N	
71	13	Kalama	40	4.5	N	
P - 27 (N 21° 59' 31.1" , E 85° 15' 18.6")						
72	1	Dhala	100	3.5	N	
73	2	Achu	45	3.5	N	
74	3	Sal	85	8	N	
75	4	Kendu	35	4	N	
76	5	Sal	80	6.5	N	
P - 25 (N 21° 59' 28.2" , E 85° 15' 24.9")						
77	1	Chakhunda	95	7.5	N	
78	2	Gambhari	80	6	N	
79	3	Kendu	35	4	N	
80	4	Mahula	35	4	N	
81	5	Misc	50	4.5	N	
82	6	Chara	100	5	N	
83	7A	Mahula	75	4	N	
84	7B	Mahula	60	4.5	N	
85	8	Chakhunda	37	2	N	
86	9	Gambhari	35	3	N	
87	10	Misc	44	4	N	
88	11	Misc	36	3		D
89	12	Misc	38	3		D


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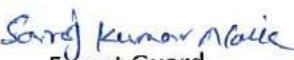

Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section

P - 24 (N 21° 59' 27.2" , E 85° 15' 28.6")						
90	1	Bahada	65	4.5	N	
91	2	Kali Kendu	35	3.5	N	
P - 23 (N 21° 59' 25.6" , E 85° 15' 31.4")						
Only Poles						
P - 22 (N 21° 59' 24.4" , E 85° 15' 34.7")						
Only Poles						
P - 21 (N 21° 59' 22.8" , E 85° 15' 38.0")						
NO TREE GROWTH						
P - 32 (N 21° 59' 24.6" , E 85° 15' 23.8")						
92	1	Kendu	55	4	N	
93	2	Kendu	35	2.5	N	
94	3	Misc	51	1.5	N	
95	4	Kendu	45	3	N	
96	5	Kendu	42	2.5	N	
97	6	Kendu	32	2	N	
P - 33 (N 21° 59' 24.1" , E 85° 15' 26.7")						
98	1	Misc	45	1.5	N	
99	2A	Misc	45	2		D
100	2B	Misc	44	2		D
101	3	Kendu	34	3	N	
102	4	Kendu	34	3	N	
P - 34 (N 21° 59' 22.7" , E 85° 15' 30.1")						
103	1	Misc	92	3.5	N	
P - 35 (N 21° 59' 21.5" , E 85° 15' 33.3")						
Only Poles						
P - 36 (N 21° 59' 19.8" , E 85° 15' 36.6")						
Only Poles						
P - 37 (N 21° 59' 16.8" , E 85° 15' 35.0")						
104	1	Kali Kendu	48	2		D
105	2	Kuluchi	40	2	N	
106	3	Sal	35	2.5	N	
P - 38 (N 21° 59' 18.2" , E 85° 15' 31.7")						
107	1	Sal	180	5.5	N	
P - 39 (N 21° 59' 19.5" , E 85° 15' 28.5")						
Only Poles						
P - 40 (N 21° 59' 21.1" , E 85° 15' 25.0")						
108	1	Kusuma	35	1.5		D
109	2	Dhala	55	3	N	
P - 52 (N 21° 59' 13.9" , E 85° 15' 33.5")						
NO TREE GROWTH						


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Forest Guard
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Forester
Guali Section
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P - 51 (N 21° 59' 15.4" , E 85° 15' 30.0")						
110	1	Begna	55	1.5	N	
111	2	Begna	40	1.5		D
P - 50 (N 21° 59' 16.7" , E 85° 15' 26.9")						
112	1	Kusuma	180	1.5	N	
113	2	Mahula	75	2.5	N	
114	3	Mahula	35	2	N	
P - 49 (N 21° 59' 18.1" , E 85° 15' 23.8")						
Only Poles						
P - 56 (N 21° 59' 15.0" , E 85° 15' 19.1")						
Only Poles						
P - 66 (N 21° 59' 09.5" , E 85° 15' 27.2")						
NO TREE GROWTH						
P - 67 (N 21° 59' 07.9" , E 85° 15' 30.3")						
NO TREE GROWTH						
P - 69 (N 21° 59' 06.4" , E 85° 15' 25.7")						
NO TREE GROWTH						
P - 81 (N 21° 59' 00.5" , E 85° 15' 22.4")						
115	1	Mahula	55	4	N	
116	2	Sal	41	4	N	
P - 83 (N 21° 58' 59.8" , E 85° 15' 26.1")						
Only Poles						
P - 82 (N 21° 59' 02.1" , E 85° 15' 27.5")						
NO TREE GROWTH						
P - 68 (N 21° 59' 04.6" , E 85° 15' 29.4")						
NO TREE GROWTH						
P - 80 (N 21° 59' 03.2" , E 85° 15' 24.0")						
117	1A	Misc	40	2.5	N	
118	1B	Misc	40	2.5	N	
119	2	Misc	34	2	N	
120	3	Misc	32	1		D
P - 85 (N 21° 58' 57.4" , E 85° 15' 21.3")						
121	1	Sal	130	5	N	
122	2	Misc	35	1		D
P - 84 (N 21° 58' 56.2" , E 85° 15' 24.6")						
123	1	Daka	57	3	N	
P - 100 (N 21° 58' 53.1" , E 85° 15' 23.0")						
124	1A	Misc	34	1		D
125	1B	Misc	32	1		D
126	2	Sal	32	2	N	


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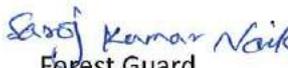

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Kendudihi Beat


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Guali Section
Forest Section Officer
Guali Section

P - 93 (N 21 ⁰ 59' 01.5" , E 85 ⁰ 15' 11.3")						
127	1	Sal	100	7	N	
128	2	Asana	54	3.5	N	
129	3	Sidha	55	2.5	N	
130	4	Misc	70	4	N	
131	5	Sidha	85	5.5	N	
132	6	Asana	65	3.5	N	
133	7	Kendu	35	2.5		D
134	8	Sal	38	4	N	
135	9	Daka	55	2.5		D
136	10	Misc	41	2.5	N	
137	11	Misc	49	4	N	
138	12	Sal	145	8	N	
139	13	Misc	55	2	N	
140	14	Daka	72	3.5	N	
141	15	Sal	50	2.5		D
142	16	Kali Kendu	55	3	N	
143	17A	Dhala	60	4	N	
144	17B	Dhala	50	3.5	N	
145	18	Kendu	60	3.5	N	
146	19	Dhala	42	4.5		D
147	20	Sal	94	6	N	
148	21	Dhala	65	4	N	
P - 97 (N 21 ⁰ 58' 56.8" , E 85 ⁰ 15' 13.2")						
149	1	Pia Sal	35	2	N	
P - 98 (N 21 ⁰ 58' 55.6" , E 85 ⁰ 15' 16.7")						
150	1	Sal	32	2.5		D
151	2	Sal	35	3		D
152	3	Sal	40	3		D
153	4	Sal	35	3		D
154	5	Sal	65	5.5	N	
155	6	Sal	50	4.5		D
156	7	Misc	65	2.5		D
157	8	Sal	60	3.5		D
158	9	Asana	60	4		D
159	10	Misc	60	4.5	N	
P - 86 (N 21 ⁰ 58' 58.01" , E 85 ⁰ 15' 18.0")						
160	1	Sal	52	3		D
161	2	Aasna	50	3		D
162	3	Daka	60	4	N	
P - 94 (N 21 ⁰ 59' 00.00" , E 85 ⁰ 15' 14.9")						
163	1	Sal	70	4		D
164	2	Aasna	35	3	N	
165	3	Aasna	35	2.5		D

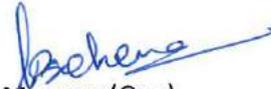

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Forester
Guali Section
Forest Section Officer
Guali Section
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P - 88 (N 21° 59' 03.10" , E 85° 15' 16.8")						
166	1	Chara	65	5	N	
167	2	Chara	38	3.5	N	
168	3	Chara	50	4	N	
169	4	Chara	60	5	N	
170	5	Chara	50	4.5	N	
171	6	Bahada	32	2.5		D
172	7	Chara	55	4.5	N	
173	8	Dhala	92	4	N	
174	9	Chara	32	1.5		D
175	10	Daka	32	2.5	N	
176	11	Asana	70	5	N	
177	12	Chara	60	5	N	
178	13A	Bahada	65	4		D
179	13B	Bahada	75	2.5		D
P - 87 (N 21° 59' 01.3" , E 85° 15' 19.1")						
180	1	Mahula	110	5		D
P - 99 (N 21° 58' 54.8" , E 85° 15' 19.8")						
181	1	Misc	85	4.5	N	
182	2	Sal	82	4	N	
183	3	Sal	60	5	N	
184	4	Sal	52	2	N	
185	5	Sal	45	2	N	
P - 96 (N 21° 59' 58.5" , E 85° 15' 09.9")						
186	1	Sal	92	7	N	
187	2	Sal	56	4.5	N	
188	3	Mahula	120	4.5	N	
189	4	Dhala	35	2.5	N	
190	5	Sal	35	2	N	
191	6	Chara	62	3.5	N	
192	7	Chara	53	5	N	
193	8	Kumbhi	35	1	N	
194	9	Daka	60	2	N	
195	10	Sal	35	2		D
196	11	Sal	35	1		D
P - 95 (N 21° 58' 59.9" , E 85° 15' 06.7")						
197	1	Dhala	75	3.5	N	
198	2	sal	100	7.5	N	
199	3	Bahada	35	3.5	N	
200	4	Dhala	44	1.5		D
201	5	Putuli	38	1.5		D
202	6	sal	43	4	N	
203	7	Misc	35	2	N	
204	8	Bahada	37	4.5	N	

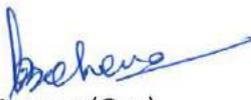

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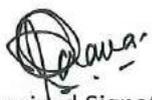

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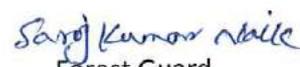

Forest Guard
Kendudihi Beat


Forester
For Gual Section Officer
Gual Section

205	9	Kuluchi	37	2	N	
206	10	Sunari	46	5.5	N	
P - 91 (N 21⁰ 59' 06.7" , E 85⁰ 15' 06.6")						
207	1	Sal	70	3	N	
208	2	Sal	45	3	N	
209	3	Sal	80	2		D
210	4	Karama	65	5	N	
P - 90 (N 21⁰ 59' 05.4" , E 85⁰ 15' 10.1")						
211	1	Sal	125	12.5	N	
212	2	Asana	92	4.5	N	
213	3	sal	140	13	N	
214	4	Sal	105	13	N	
P - 89 (N 21⁰ 59' 04.5" , E 85⁰ 15' 13.3")						
215	1	Sal	144	12.5	N	
P - 70 (N 21⁰ 59' 07.7" , E 85⁰ 15' 22.6")						
216	1	Chara	56	3.5	N	
217	2	Kendu	44	2	N	
218	3	Chara	33	4	N	
219	4	Chara	50	3	N	
P - 71 (N 21⁰ 59' 09.1" , E 85⁰ 15' 19.4")						
220	1	Chara	75	4.4	N	
221	2	Kendu	32	3	N	
222	3	Sal	95	1.5		D
P - 72 (N 21⁰ 59' 10.4" , E 85⁰ 15' 16.1")						
223	1	Misc	110	4.5	N	
224	2	sal	100	7	N	
225	3	Kendu	55	5.5	N	
P - 73 (N 21⁰ 59' 11.7" , E 85⁰ 15' 12.8")						
226	1	Asana	55	4.5	N	
227	2	Dhala	95	3		D
228	3	Harida	40	2		D
229	4	Kali Kendu	45	5.5	N	
230	5	Dhala	62	2.5	N	
P - 74 (N 21⁰ 59' 13.2" , E 85⁰ 15' 09.6")						
231	1	Sal	140	12.5	N	
232	2	Dhala	40	3.5	N	
233	3	Sal	100	10.5	N	
234	4	Sal	82	8.5	N	
235	5	Sal	115	7	N	
236	6	Sal	80	10	N	
P - 55 (N 21⁰ 59' 13.6" , E 85⁰ 15' 25.6")						
Only Poles						


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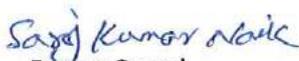

Forest Guard
Kendudihi Beat


Forester
Forests Section Officer
Guali Section

P - 79 (N 21° 59' 04.6" , E 85° 15' 21.0")						
237	1	Misc	85	4.5		D
P - 76 (N 21° 59' 09.3" , E 85° 15' 10.8")						
238	1	Chara	52	4	N	
239	2	Sal	120	6	N	
240	3	Kali Kendu	75	4		D
241	4	Dhala	63	3.5		D
242	5	Dhala	43	1.5		D
243	6	Mahula	70	3.5	N	
244	7	Asana	35	3		D
245	8	Daka	32	2.5		D
P - 77 (N 21° 59' 07.0" , E 85° 15' 14.9")						
246	1	Misc	35	3		D
P - 78 (N 21° 59' 06.1" , E 85° 15' 17.5")						
247	1	Bahada	60	5		D
P - 65 (N 21° 59' 10.6" , E 85° 15' 25.6")						
NO TREE GROWTH						
P - 61 (N 21° 59' 16.7" , E 85° 15' 11.0")						
248	1	Misc	65	3		D
P - 62 (N 21° 59' 15.2" , E 85° 15' 14.7")						
249	1	Dhala	62	4		D
250	2	Daka	105	4.5	N	
251	3	Daka	85	4	N	
252	4	Dhala	110	3.5		D
253	5	Daka	56	3.5		D
P - 63 (N 21° 59' 13.0" , E 85° 15' 21.1")						
Only Poles						
P - 64 (N 21° 59' 12.1" , E 85° 15' 21.1")						
254	1	Misc	75	4.5		D
255	2	Sal	48	3		D
256	3	Kali kendu	55	3		D
P - 57 (N 21° 59' 16.5" , E 85° 15' 19.1")						
257	1	Asan	36	3.5	N	
258	2	Dhala	40	2	N	
259	3	Kali kendu	55	2		D
260	4	Kali kendu	50	2		D
261	5	Asan	36	4	N	
262	6	Kendu	36	3	N	
263	7	Mahula	55	4.5	N	
P - 58 (N 21° 59' 17.7" , E 85° 15' 15.7")						
264	1	Mahula	65	4.5	N	
265	2	Mahula	70	6	N	


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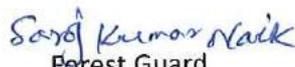

Forest Guard
Kendudihi Beat

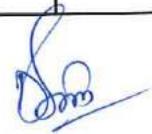

Forester
Guali Section
Forest Section Officer
Guali Section
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266	3	Kendu	35	3.5	N	
267	4	Kendu	35	2.5	N	
P - 59 (N 21⁰ 59' 19.2" , E 85⁰ 15' 12.4")						
268	1	Sal	90	12	N	
269	2	Jamu	145	3.5	N	
270	3	Kendu	55	3.5	N	
271	4	Jamu	80	2	N	
272	5	Asan	32	9.5	N	
273	6	Sal	110	14	N	
274	7	Sal	80	6	N	
275	8	Mahula	55	5	N	
276	9	Sal	110			
P - 60 (N 21⁰ 59' 20.3" , E 85⁰ 15' 09.7")(Near Boundary line)						
277	1	Asan	40	6	N	
278	2	Asan	55	4.5	N	
279	3	Sal	130	5.5	N	
280	4	Sal	85	7	N	
281	5	Kasi	90	6	N	
282	6	Karma	32	4	N	
283	7	Dhala	90	11	N	
284	8	Mahanimba	125	12	N	
285	9	Chara	60	5	N	
286	10	Kendu	55	5.5	N	
287	11	Dhala	35	4	N	
288	12	Bahada	65	7	N	
289	13	Sal	90	8	N	
290	14	Karama	100	7	N	
P - 92 (N 21⁰ 59' 02.9" , E 85⁰ 15' 08.2")						
291	1	Sal	85	10	N	
292	2	Sal	120	4.5	N	
293	3A	Angara	60	4	N	
294	3B	Angara	50	4.5	N	
295	4	Asana	45	5	N	
296	5	Sinduri	45	2	N	
297	6	Harida	50	7.5	N	
298	7	Harida	40	4.5	N	
299	8	Sal	100	14.5	N	
300	9	Asana	50	5.5	N	
301	10	Misc	52	7	N	
302	11	Sal	130	8.5	N	
303	12	Sal	110	9.5	N	
304	13	Chara	50	5	N	
305	14	Sal	54	2		D
306	15	Chara	85	6.5	N	

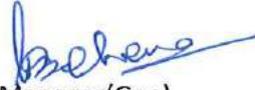

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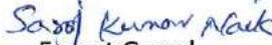

Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section
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307	16	Misc	35	3	N	
308	17	Putuli	40	3		D
309	18	Chara	50	5	N	
P - 44 (N 21⁰ 59' 26.5" , E 85⁰ 15' 12.0")						
310	1	Sal	90	9.5	N	
311	2	Asana	40	4	N	
312	3	Sal	75	10.5	N	
313	4	Asana	40	5.5	N	
314	5	Sal	95	12.5	N	
315	6	Misc	45	5	N	
316	7	Misc	95	7.5	N	
317	8	Harida	55	4.5	N	
318	9	Sal	62	5	N	
319	10	Sal	72	7.5	N	
320	11	Kendu	43	5.5	N	
P - 45 (N 21⁰ 59' 23.4" , E 85⁰ 15' 10.8")						
321	1	Sal	80	6.5	N	
322	2	Sal	84	12	N	
323	3	Sal	131	12	N	
324	4	Bahada	86	9.5	N	
325	5	Sal	118	13.5	N	
326	6	Kasi	44	4.5	N	
327	7	Sal	96	8.5	N	
328	8	Sal	100	12	N	
329	9	Asana	40	5.5	N	
P - 31 (N 21⁰ 59' 26.7" , E 85⁰ 15' 20.4")						
330	1	Putuli	45	2		D
331	2	Harida	40	6.5	N	
332	3	Bahada	80	5.5	N	
333	4	Kali Kendu	95	4.5	N	
334	5	Kainsi	45	6.5	N	
335	6	Kainsi	35	7	N	
336	7	Kainsi	35	6	N	
337	8	Sunari	32	4.5	N	
338	9	Putuli	35	3	N	
339	10	Kendu	40	4.5	N	
340	11	Kainsi	60	5	N	
341	12	Chara	62	3.5	N	
P - 30 (N 21⁰ 59' 28.0" , E 85⁰ 15' 17.1")						
342	1A	Kasi	55	5.5	N	
343	1B	Kasi	42	3.5	N	
344	2	Kendu	45	5	N	
345	3	Kendu	35	6.5	N	
346	4	Kendu	42	6.5	N	
347	5	Kendu	36	7	N	


Dy. Manager (Geo)
Dy. Manager (Geology)
O. M. C. Ltd.


Authorised Signatory
of Lessee
(Regional Manager, Barbil)
Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Sasoj Kumar Maik
Forest Guard
Kendudihi Beat

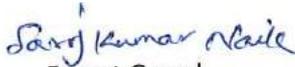

Forester
Guali Section
Forester Officer
Guali Section

348	6	Kusuma	32	2	N	
349	7	Gamhari	47	6.5	N	
350	8	Kusuma	31	2		D
351	9	Kainsi	48	4.5	N	
352	10	Asana	32	4.5	N	
353	11	Kainsi	60	4	N	
354	12	Asana	58	5.5	N	
355	13	Anla	32	3.5	N	
356	14	Misc	40	2	N	
P - 43 (N 21° 59' 24.7" , E 85° 15' 15.5")						
357	1A	Harida	65	4	N	
358	1B	Harida	50	4	N	
359	1C	Harida	55	4	N	
360	2	Kumbhi	75	8	N	
361	3	Daka	50	3.5		D
362	4	Kaisi	85	4	N	
363	5	Sidha	85	4.5	N	
364	6	Kusuma	40	3.5	N	
365	7	Harida	35	5.5	N	
P - 42 (N 21° 59' 23.8" , E 85° 15' 18.7")						
366	1	Harida	45	5	N	
367	2	Harida	50	2	N	
368	3	Chara	65	5	N	
369	4	Harida	45	3	N	
370	5	Asana	55	3.5	N	
371	6	Misc	65	1.5		D
372	7	Sinduri	50	3	N	
373	8	Misc	80	2		D
P - 41 (N 21° 59' 22.5" , E 85° 15' 22.1")						
374	1	Mahula	55	4	N	
375	2	Chara	62	5	N	
376	3	Karma	40	2		D
377	4	Mahula	50	4.5	N	
378	5	Jamun	112	3.5	N	
379	6	Jamun	75	3	N	
380	7	Putuli	35	5	N	
381	8	Misc	38	4	N	
382	9	Karama	45	4.5	N	
383	10	Karama	38	2	N	
384	11	Karama	41	3	N	
385	12	Karama	55	4.5	N	


Dy. Manager (Geo)
Dy. Manager (Geology)
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Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section

P - 46 (N 21 ⁰ 59' 22.2" , E 85 ⁰ 15' 13.9")						
386	1	Harida	40	4	N	
P - 47 (N 21 ⁰ 59' 21.0" , E 85 ⁰ 15' 17.6")						
387	1	Mahula	75	6	N	
388	2	Kendu	38	4	N	
389	3	Chara	41	4.5	N	
390	4	Chara	38	5	N	
391	5	Chara	38	4	N	
P - 48 (N 21 ⁰ 59' 19.5" , E 85 ⁰ 15' 20.5")						
392	1	Sal	80	2		D

NO. OF POLES COUNTED UNDER 30 C.M.

1. SAL = 1308
 2. NON SAL = 1566
- TOTAL = 2874**

NO. OF TREES ENUMERATED ABOVE 30 C.M.

1. SAL = 75
 2. NON SAL = 317
- TOTAL = 392**


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Dy. Manager (Geology)
O. M. C. Ltd.


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Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section

**LOCATION OF PROPOSED
BORE HOLES IN
PARULIPADA LEASE
AREA**

LOCATION OF PROPOSED BOREHOLES IN PARULIPADA LEASE OF OMC Ltd

SI No.	PBH. No.	LONGITUDE (E)	LATITUDE (N)	EASTING	NORTHING
1	PBH-1	85° 15' 38.80"	21° 59' 41.20"	320449.466	2433269.773
2	PBH-2	85° 15' 37.70"	21° 59' 37.60"	320416.655	2433159.409
3	PBH-3	85° 15' 40.20"	21° 59' 36.30"	320487.909	2433118.61
4	PBH-4	85° 15' 33.80"	21° 59' 40.00"	320305.63	2433234.496
5	PBH-5	85° 15' 29.60"	21° 59' 37.00"	320184.11	2433143.599
6	PBH-6	85° 15' 32.60"	21° 59' 35.90"	320269.775	2433108.788
7	PBH-7	85° 15' 35.80"	21° 59' 34.40"	320361.036	2433061.609
8	PBH-8	85° 15' 38.90"	21° 59' 33.20"	320449.536	2433023.69
9	PBH-9	85° 15' 37.80"	21° 59' 30.30"	320416.97	2432934.855
10	PBH-10	85° 15' 34.30"	21° 59' 31.60"	320317.032	2432975.98
11	PBH-11	85° 15' 31.40"	21° 59' 33.10"	320234.374	2433023.602
12	PBH-12	85° 15' 27.90"	21° 59' 34.10"	320134.332	2433054.962
13	PBH-13	85° 15' 25.20"	21° 59' 34.80"	320057.132	2433077.373
14	PBH-14	85° 15' 19.91"	21° 59' 35.58"	319905.684	2433103.037
15	PBH-15	85° 15' 23.50"	21° 59' 32.50"	320007.564	2433007.189
16	PBH-16	85° 15' 26.50"	21° 59' 31.40"	320093.229	2432972.377
17	PBH-17	85° 15' 30.00"	21° 59' 29.80"	320193.061	2432922.023
18	PBH-18	85° 15' 33.00"	21° 59' 28.60"	320278.693	2432884.136
19	PBH-19	85° 15' 36.40"	21° 59' 27.40"	320375.798	2432846.118
20	PBH-20	85° 15' 38.20"	21° 59' 26.40"	320427.079	2432814.775
21	PBH-21	85° 15' 38.00"	21° 59' 22.80"	320420.084	2432704.117
22	PBH-22	85° 15' 34.70"	21° 59' 24.40"	320325.986	2432754.404
23	PBH-23	85° 15' 31.40"	21° 59' 25.60"	320231.748	2432792.388
24	PBH-24	85° 15' 28.60"	21° 59' 27.20"	320151.993	2432842.514
25	PBH-25	85° 15' 24.90"	21° 59' 28.20"	320046.214	2438274.479
26	PBH-26	85° 15' 21.90"	21° 59' 29.50"	319960.618	2432915.443
27	PBH-27	85° 15' 18.60"	21° 59' 31.10"	319866.523	2432965.732
28	PBH-28	85° 15' 15.50"	21° 59' 32.20"	319777.99	2433000.58
29	PBH-29	85° 15' 13.50"	21° 59' 29.30"	319719.604	2432912.04
30	PBH-30	85° 15' 17.10"	21° 59' 28.00"	319822.409	2432870.879
31	PBH-31	85° 15' 20.40"	21° 59' 26.70"	319916.611	2432829.816
32	PBH-32	85° 15' 24.20"	21° 59' 24.60"	320024.873	2432763.985

Dy. Manager (Geo)
O. M. C. Ltd.

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of Lessee
(Regional Manager, Barbil)

Regional Manager
Odisha Mining Corporation Ltd
BARBIL

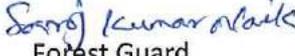
Saroj Kumar Naik
Forest Guard
Kendudihi Beat

Forester
Guali Section

33	PBH-33	85° 15' 26.70"	21° 59' 24.10"	320096.408	2432747.79
34	PBH-34	85° 15' 30.10"	21° 59' 22.70"	320193.444	2432703.62
35	PBH-35	85° 15' 33.30"	21° 59' 21.50"	320284.813	2432665.668
36	PBH-36	85° 15' 36.70"	21° 59' 20.00"	320381.814	2432618.424
37	PBH-37	85° 15' 34.80"	21° 59' 16.70"	320326.16	2432517.547
38	PBH-38	85° 15' 31.70"	21° 59' 18.20"	320237.763	2432564.694
39	PBH-39	85° 15' 28.61"	21° 59' 19.60"	320149.619	2432608.762
40	PBH-40	85° 15' 25.00"	21° 59' 21.10"	320046.594	2432656.076
41	PBH-41	85° 15' 22.10"	21° 59' 22.50"	319963.9	2432700.082
42	PBH-42	85° 15' 18.70"	21° 59' 23.80"	319866.83	2432741.178
43	PBH-43	85° 15' 15.50"	21° 59' 24.70"	319775.357	2432769.906
44	PBH-44	85° 15' 12.00"	21° 59' 26.50"	319675.594	2432826.413
45	PBH-45	85° 15' 11.02"	21° 59' 23.66"	319646.452	2432739.409
46	PBH-46	85° 15' 13.90"	21° 59' 22.20"	319728.585	2432693.539
47	PBH-47	85° 15' 17.60"	21° 59' 21.00"	319834.295	2432655.421
48	PBH-48	85° 15' 20.50"	21° 59' 19.50"	319916.953	2432608.337
49	PBH-49	85° 15' 23.80"	21° 59' 18.10"	320011.121	2432564.199
50	PBH-50	85° 15' 26.90"	21° 59' 16.70"	320099.522	2432520.127
51	PBH-51	85° 15' 30.00"	21° 59' 15.40"	320188.019	2432479.131
52	PBH-52	85° 15' 33.50"	21° 59' 13.90"	320287.89	2432431.853
53	PBH-55	85° 15' 25.40"	21° 59' 13.10"	320055.265	2432409.894
54	PBH-56	85° 15' 19.10"	21° 59' 15.00"	319875.217	2432470.391
55	PBH-57	85° 15' 19.10"	21° 59' 16.50"	319875.744	2432516.526
56	PBH-58	85° 15' 15.90"	21° 59' 17.70"	319784.374	2432554.481
57	PBH-59	85° 15' 12.40"	21° 59' 19.20"	319684.504	2432601.761
58	PBH-60	85° 15' 10.23"	21° 59' 20.03"	319622.586	2432628.119
59	PBH-61	85° 15' 11.00"	21° 59' 16.70"	319643.469	2432525.328
60	PBH-62	85° 15' 14.70"	21° 59' 15.20"	319749.075	2434277.983
61	PBH-63	85° 15' 17.80"	21° 59' 13.00"	319837.225	2432409.303
62	PBH-64	85° 15' 21.10"	21° 59' 12.10"	319931.569	2432380.543
63	PBH-65	85° 15' 25.60"	21° 59' 10.60"	320060.125	2432332.938
64	PBH-66	85° 15' 27.20"	21° 59' 09.50"	320105.636	2432298.583
65	PBH-67	85° 15' 30.30"	21° 59' 07.90"	320193.999	2432248.361
66	PBH-68	85° 15' 29.40"	21° 59' 04.60"	320167.027	2432147.158


Dy. Manager (Geo)
OMC Ltd.
O. M. C. Ltd.


Authorised Signatory
of Lessee
(Regional Manager, Barbil)
Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section

67	PBH-69	85° 15' 25.70"	21° 59' 6.40"	320061.522	2432203.728
68	PBH-70	85° 15' 22.60"	21° 59' 7.70"	319973.054	2432244.725
69	PBH-71	85° 15' 19.40"	21° 59' 9.10"	319881.753	2432288.83
70	PBH-72	85° 15' 16.10"	21° 59' 10.40"	319787.549	2432329.893
71	PBH-73	85° 15' 12.80"	21° 59' 11.70"	319693.346	2432370.957
72	PBH-74	85° 15' 9.60"	21° 59' 13.20"	319602.081	2432418.14
73	PBH-76	85° 15' 10.80"	21° 59' 9.30"	319635.133	2432297.797
74	PBH-77	85° 15' 14.90"	21° 59' 6.80"	319751.864	2432219.563
75	PBH-78	85° 15' 17.20"	21° 59' 5.90"	319817.524	2432191.129
76	PBH-79	85° 15' 21.00"	21° 59' 4.60"	319926.071	2432149.903
77	PBH-80	85° 15' 24.00"	21° 59' 3.20"	320011.636	2432105.863
78	PBH-81	85° 15' 22.40"	21° 59' 00.50"	319964.793	2432023.344
79	PBH-82	85° 15' 27.50"	21° 59' 02.10"	320111.649	2432070.888
80	PBH-83	85° 15' 26.10"	21° 58' 59.80"	320070.684	2432000.606
81	PBH-84	85° 15' 24.50"	21° 58' 55.89"	320023.418	2431880.872
82	PBH-85	85° 15' 21.20"	21° 58' 57.30"	319929.249	2431925.316
83	PBH-86	85° 15' 18.00"	21° 58' 58.00"	319837.701	2431947.893
84	PBH-87	85° 15' 19.10"	21° 59' 01.30"	319870.412	2432049.028
85	PBH-88	85° 15' 16.80"	21° 59' 03.10"	319805.067	2432105.142
86	PBH-89	85° 15' 13.30"	21° 59' 04.50"	319705.16	2432149.347
87	PBH-90	85° 15' 10.10"	21° 59' 05.40"	319613.684	2432178.075
88	PBH-91	85° 15' 07.15"	21° 59' 06.86"	319529.665	2432223.901
89	PBH-92	85° 15' 08.20"	21° 59' 02.90"	319558.304	2432101.807
90	PBH-93	85° 15' 11.30"	21° 59' 01.50"	319646.736	2432057.733
91	PBH-94	85° 15' 14.99"	21° 59' 0.07"	319752.144	2432012.451
92	PBH-95	85° 15' 06.70"	21° 58' 59.90"	319514.221	2432010.03
93	PBH-96	85° 15' 9.90"	21° 58' 58.50"	319605.523	2431965.923
94	PBH-97	85° 15' 13.20"	21° 58' 56.80"	319699.589	2431912.555
95	PBH-98	85° 15' 16.70"	21° 58' 55.60"	319799.567	2431874.502
96	PBH-99	85° 15' 19.60"	21° 58' 54.70"	319882.44	2431845.873
97	PBH-100	85° 15' 22.90"	21° 58' 53.40"	319976.648	2431804.811


Dy. Manager (Geo)
O. M. C. Ltd.


Authorised Signatory
of Lessee
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Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Guard Officer
Guali Section

**LOCATION OF EXISTING &
PROPOSED ROADS FOR
EXPLORATION OF 97 NOS.
OF BORE HOLES IN
PARULIPADA LEASE
OF OMC LTD.**

GPS CO-ORDINATES OF PROPOSED ROAD IN DEGREE MINUTE SECOND

SI No	LONGITUDE (E)			LATITUDE (N)		
1	2			3		
1	85	15	34	21	59	36.4
2	85	15	34.5	21	59	36.9
3	85	15	34.6	21	59	37.3
4	85	15	34.7	21	59	38.0
5	85	15	34.7	21	59	38.5
6	85	15	34.6	21	59	39.4
7	85	15	35.2	21	59	34.8
8	85	15	34.6	21	59	35.0
9	85	15	34.3	21	59	35.4
10	85	15	33.6	21	59	35.6
11	85	15	33.5	21	59	35.7
12	85	15	33.4	21	59	35.9
13	85	15	36.5	21	59	34
14	85	15	36.9	21	59	33.2
15	85	15	38.1	21	59	31.8
16	85	15	35.6	21	59	34.6
17	85	15	38.3	21	59	31.9
18	85	15	38.1	21	59	30.9
19	85	15	36.6	21	59	36
20	85	15	37.5	21	59	37.6
21	85	15	39.6	21	59	36.5
22	85	15	38.4	21	59	37.2
23	85	15	31.3	21	59	33.6
24	85	15	30.8	21	59	34.1
25	85	15	30.6	21	59	34.7
26	85	15	30.2	21	59	35.6
27	85	15	29.4	21	59	36.5
28	85	15	33.6	21	59	31.4
29	85	15	34.1	21	59	32.9
30	85	15	35.7	21	59	34.3
31	85	15	27.6	21	59	34.4

Dy. Manager (Geo)
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 Regional Manager
 Odisha Mining Corporation Ltd
 BARBIL

Forest Guard
 Kendudihi Beat

Forester
 Guali Section
 Forest Section Officer
 Guali Section

1	2			3		
32	85	15	26.1	21	59	34.7
33	85	15	25.5	21	59	37.8
34	85	15	28.2	21	59	35.3
35	85	15	28.8	21	59	36.4
36	85	15	29.5	21	59	37.1
37	85	15	24.8	21	59	35.5
38	85	15	28	21	59	33.6
39	85	15	27.7	21	59	32.6
40	85	15	27.4	21	59	32.1
41	85	15	26.2	21	59	30.8
42	85	15	24.1	21	59	32.1
43	85	15	26.5	21	59	30.9
44	85	15	27.2	21	59	30.2
45	85	15	28.3	21	59	29.6
46	85	15	29.2	21	59	29.1
47	85	15	29.6	21	59	29.4
48	85	15	29.2	21	59	29.1
49	85	15	33.3	21	59	28.2
50	85	15	35.0	21	59	28.8
51	85	15	35.7	21	59	28.0
52	85	15	29.3	21	59	28.9
53	85	15	31.1	21	59	27.7
54	85	15	31.8	21	59	27.4
55	85	15	37.5	21	59	26.5
56	85	15	39.2	21	59	26.1
57	85	15	41.5	21	59	25.9
58	85	15	43.9	21	59	24.9
59	85	15	21.4	21	59	30.0
60	85	15	20.7	21	59	30.2
61	85	15	20.5	21	59	30.2
62	85	15	19.9	21	59	30.3


Dy. Manager (Geo)
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O. M. C. Ltd.


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Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Office
Guali Section

1	2			3		
63	85	15	19.0	21	59	30.7
64	85	15	22.5	21	59	29.3
65	85	15	23.0	21	59	28.8
66	85	15	23.3	21	59	28.5
67	85	15	24.3	21	59	28.2
68	85	15	25.5	21	59	28
69	85	15	26.1	21	59	27.9
70	85	15	26.6	21	59	27.6
71	85	15	27.4	21	59	27.8
72	85	15	28.2	21	59	27.5
73	85	15	29.3	21	59	26.7
74	85	15	30.3	21	59	26.2
75	85	15	31.2	21	59	25.8
76	85	15	32.4	21	59	25.0
77	85	15	33.6	21	59	24.7
78	85	15	35.5	21	59	23.5
79	85	15	36.8	21	59	23.2
80	85	15	38.1	21	59	24.0
81	85	15	38.4	21	59	25.0
82	85	15	38.4	21	59	25.4
83	85	15	38.2	21	59	25.9
84	85	15	14.8	21	59	31.9
85	85	15	14.2	21	59	31.1
86	85	15	12.5	21	59	30.1
87	85	15	12.9	21	59	29.7
88	85	15	11.9	21	59	27.3
89	85	15	11.7	21	59	28.3
90	85	15	12.1	21	59	28.8
91	85	15	12.7	21	59	29.7
92	85	15	13.3	21	59	29.0
93	85	15	11.0	21	59	24.4
94	85	15	11.2	21	59	25.6
95	85	15	12.0	21	59	26.5
96	85	15	19.6	21	59	27.0
97	85	15	19.0	21	59	27.7


Dy. Manager (Geo)
OMC Ltd.
Dy. Manager (Geology)
O. M. C. Ltd.


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Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section
Page 22

1	2			3		
98	85	15	18.3	21	59	28.0
99	85	15	17.0	21	59	27.2
100	85	15	16.5	21	59	26.2
101	85	15	16.1	21	59	25.7
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127	85	15	37.4	21	59	19.7
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129	85	15	32.5	21	59	18.0
130	85	15	33.2	21	59	17.7
131	85	15	34.2	21	59	17.3


Dy. Manager (Geo)
O. M. C. Ltd.


Authorised Signatory
of Lessee
(Regional Manager, Barbil)
Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section
Page 23

1	2			3		
132	85	15	34.9	21	59	16.8
133	85	15	35.1	21	59	16.7
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164	85	15	34.1	21	59	11.9


Dy. Manager (Geo)
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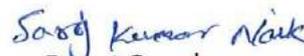

Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section
Page 24

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166	85	15	28.1	21	59	15.5
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196	85	15	24.1	21	59	12.5
197	85	15	24.6	21	59	11.5
198	85	15	24.8	21	59	10.8


Dy. Manager (Geo)
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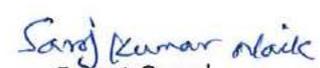

Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section
Page 25

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200	85	15	15.1	21	59	16.5
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231	85	15	32.4	21	59	7.5
232	85	15	34.5	21	59	6.8
233	85	15	22.1	21	59	9.1


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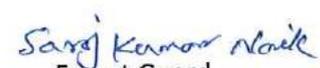

Forest Guard
Kendudih Beat


Forester
Guali Section
Guali Section Officer
Page 26

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261	85	15	15.2	21	59	6.7
262	85	15	16.1	21	59	6.1
263	85	15	16.9	21	59	5.6
264	85	15	11.8	21	59	9.5
265	85	15	12.0	21	59	10.2
266	85	15	12.2	21	59	10.8
267	85	15	12.4	21	59	11.4


Dy. Manager(Geo)
Dy. Manager (Geology)
O. M. C. Ltd.


Authorised Signatory
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Regional Manager
Odisha Mining Corporation Ltd
BARBIL


Forest Guard
Kendudihi Beat


Forester
Guali Section Officer
Guali Section
Page 27

1	2			3		
268	85	15	26.8	21	59	0.2
269	85	15	22.3	21	59	1.0
270	85	15	23.2	21	59	2.0
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299	85	15	17.1	21	58	58.8
300	85	15	9.5	21	58	58.7
301	85	15	23.6	21	58	53.1

Dy. Manager(Geo)
Dy. Manager (Geology)
O. M. C. Ltd.

Authorised Signatory
of Lessee
(Regional Manager, Barbil)
Regional Manager
Odisha Mining Corporation Ltd
BARBIL

Sarj Kumar Nalick
Forest Guard
Kendudihi Beat

Forester
Guali Section
Forest Section Officer
Guali Section
Page 28

GPS CO-ORDINATES OF EXISTING ROAD IN DEGREE MINUTE SECOND

SI No	LONGITUDE (E)			LATITUDE (N)		
1	2			3		
1	85	15	41.2	21	59	43.3
2	85	15	44.4	21	59	48.3
3	85	15	49.7	21	59	46.3
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6	85	15	17.2	21	59	34.7
7	85	15	16.2	21	59	33.4
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12	85	15	38.5	21	59	22.1
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23	85	15	11.0	21	59	5.5
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27	85	15	14.3	21	59	2.8
28	85	15	15.1	21	59	1.6
29	85	15	15.4	21	59	0.5
30	85	15	15.6	21	59	0.2
31	85	15	15.3	21	59	0.1
32	85	15	16.3	21	58	59.2
33	85	15	17.3	21	58	58.7

Behena

Dy. Manager (Geo)

Dy. Manager (Geology)
O. M. C. Ltd.

Rama

Authorised Signatory
of Lessee

(Regional Manager, Barbil)

Regional Manager
Odisha Mining Corporation Ltd
BARBIL

Saraj Kumar Naik

Forest Guard
Kendudihi Beat

Singh

Forester

Forest Section Officer
Guali Section

1	2			3		
35	85	15	21.1	21	58	56.7
36	85	15	21.7	21	58	56.3
37	85	15	22.5	21	58	54.8
38	85	15	23.4	21	58	54.0
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41	85	15	20.7	21	58	58.6
42	85	15	20.4	21	58	59.4
43	85	15	23.6	21	58	53.1


Dy. Manager (Geo)
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Dy. Manager (Geology)
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Odisha Mining Corporation Ltd
BARBIL

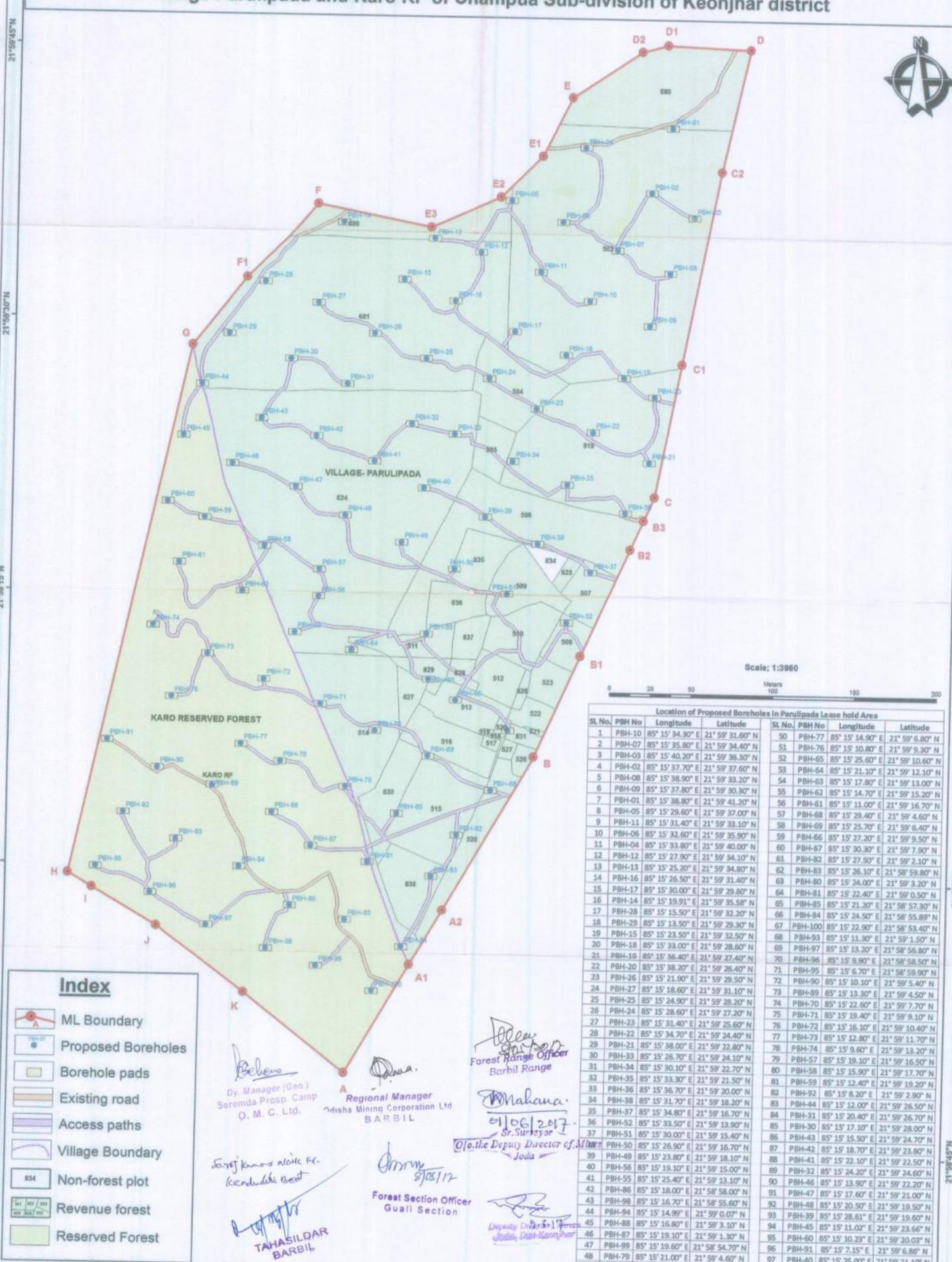

Forest Guard
Kendudihi Beat


Forester
Guali Section
Forest Section Officer
Guali Section

**PLAN SHOWING PROPOSED
EXPLORATORY BOREHOLES
AND PROPOSED ROADS IN
PARULIPADA LEASE
(SCALE=1:3960)**

Plan showing the proposed exploratory boreholes & Access paths in Parulipada ML of OMC Ltd. for Manganese ore Granted over an area of 104.860 Hecters in village Parulipada and Karo RF of Champua Sub-division of Keonjhar district

85°15'15"E 85°15'30"E 85°15'45"E



Scale: 1:3960

Location of Proposed Boreholes in Parulipada Lease hold Area

Sl No.	PBH No	Longitude	Latitude	Sl No.	PBH No	Longitude	Latitude
1	PBH-10	85° 15' 34.30" E	21° 59' 31.60" N	50	PBH-77	85° 15' 14.90" E	21° 59' 6.80" N
2	PBH-07	85° 15' 35.80" E	21° 59' 34.40" N	51	PBH-76	85° 15' 10.80" E	21° 59' 9.30" N
3	PBH-03	85° 15' 40.20" E	21° 59' 36.30" N	52	PBH-05	85° 15' 25.60" E	21° 59' 10.60" N
4	PBH-02	85° 15' 37.70" E	21° 59' 37.60" N	53	PBH-64	85° 15' 21.30" E	21° 59' 12.10" N
5	PBH-08	85° 15' 38.90" E	21° 59' 39.20" N	54	PBH-63	85° 15' 14.70" E	21° 59' 13.00" N
6	PBH-09	85° 15' 37.80" E	21° 59' 30.30" N	55	PBH-62	85° 15' 14.70" E	21° 59' 15.20" N
7	PBH-01	85° 15' 38.80" E	21° 59' 41.20" N	56	PBH-61	85° 15' 11.00" E	21° 59' 16.70" N
8	PBH-05	85° 15' 29.60" E	21° 59' 37.00" N	57	PBH-68	85° 15' 29.40" E	21° 59' 4.60" N
9	PBH-11	85° 15' 31.40" E	21° 59' 33.10" N	58	PBH-69	85° 15' 25.70" E	21° 59' 6.40" N
10	PBH-06	85° 15' 32.60" E	21° 59' 35.90" N	59	PBH-66	85° 15' 27.20" E	21° 59' 9.50" N
11	PBH-04	85° 15' 33.80" E	21° 59' 40.00" N	60	PBH-67	85° 15' 30.30" E	21° 59' 7.90" N
12	PBH-12	85° 15' 27.90" E	21° 59' 34.10" N	61	PBH-82	85° 15' 27.90" E	21° 59' 2.10" N
13	PBH-13	85° 15' 25.20" E	21° 59' 34.80" N	62	PBH-83	85° 15' 26.10" E	21° 58' 59.80" N
14	PBH-16	85° 15' 26.50" E	21° 59' 31.40" N	63	PBH-80	85° 15' 24.00" E	21° 59' 3.20" N
15	PBH-17	85° 15' 30.00" E	21° 59' 29.80" N	64	PBH-81	85° 15' 22.40" E	21° 59' 0.50" N
16	PBH-14	85° 15' 19.91" E	21° 59' 35.58" N	65	PBH-85	85° 15' 21.20" E	21° 58' 57.30" N
17	PBH-28	85° 15' 15.50" E	21° 59' 32.20" N	66	PBH-84	85° 15' 24.50" E	21° 58' 55.89" N
18	PBH-29	85° 15' 13.50" E	21° 59' 29.30" N	67	PBH-100	85° 15' 22.90" E	21° 58' 53.40" N
19	PBH-15	85° 15' 23.50" E	21° 59' 32.50" N	68	PBH-93	85° 15' 11.30" E	21° 59' 1.50" N
20	PBH-18	85° 15' 33.00" E	21° 59' 28.60" N	69	PBH-97	85° 15' 13.20" E	21° 58' 56.80" N
21	PBH-16	85° 15' 36.40" E	21° 59' 27.40" N	70	PBH-96	85° 15' 9.90" E	21° 58' 58.50" N
22	PBH-20	85° 15' 38.20" E	21° 59' 26.40" N	71	PBH-95	85° 15' 6.70" E	21° 58' 59.90" N
23	PBH-26	85° 15' 21.90" E	21° 59' 29.50" N	72	PBH-90	85° 15' 10.10" E	21° 59' 5.40" N
24	PBH-27	85° 15' 18.60" E	21° 59' 31.10" N	73	PBH-89	85° 15' 13.30" E	21° 59' 5.50" N
25	PBH-25	85° 15' 24.90" E	21° 59' 28.20" N	74	PBH-70	85° 15' 22.60" E	21° 59' 7.70" N
26	PBH-24	85° 15' 28.60" E	21° 59' 27.20" N	75	PBH-71	85° 15' 19.40" E	21° 59' 9.10" N
27	PBH-23	85° 15' 31.40" E	21° 59' 25.60" N	76	PBH-72	85° 15' 16.10" E	21° 59' 10.40" N
28	PBH-22	85° 15' 34.70" E	21° 59' 24.40" N	77	PBH-73	85° 15' 12.80" E	21° 59' 11.70" N
29	PBH-21	85° 15' 38.00" E	21° 59' 22.80" N	78	PBH-74	85° 15' 9.60" E	21° 59' 13.20" N
30	PBH-33	85° 15' 26.70" E	21° 59' 21.50" N	79	PBH-57	85° 15' 19.10" E	21° 59' 16.50" N
31	PBH-34	85° 15' 30.10" E	21° 59' 22.70" N	80	PBH-58	85° 15' 15.90" E	21° 59' 17.70" N
32	PBH-35	85° 15' 33.30" E	21° 59' 21.50" N	81	PBH-59	85° 15' 12.40" E	21° 59' 19.20" N
33	PBH-36	85° 15' 36.70" E	21° 59' 20.00" N	82	PBH-92	85° 15' 8.20" E	21° 59' 2.90" N
34	PBH-38	85° 15' 31.70" E	21° 59' 18.20" N	83	PBH-44	85° 15' 12.00" E	21° 59' 26.50" N
35	PBH-37	85° 15' 34.80" E	21° 59' 16.70" N	84	PBH-31	85° 15' 20.40" E	21° 59' 28.00" N
36	PBH-52	85° 15' 33.50" E	21° 59' 13.90" N	85	PBH-30	85° 15' 17.10" E	21° 59' 28.00" N
37	PBH-51	85° 15' 30.00" E	21° 59' 15.40" N	86	PBH-43	85° 15' 15.50" E	21° 59' 24.70" N
38	PBH-50	85° 15' 26.90" E	21° 59' 16.70" N	87	PBH-42	85° 15' 18.70" E	21° 59' 23.80" N
39	PBH-49	85° 15' 23.80" E	21° 59' 18.10" N	88	PBH-41	85° 15' 22.10" E	21° 59' 22.50" N
40	PBH-56	85° 15' 19.10" E	21° 59' 15.00" N	89	PBH-32	85° 15' 24.20" E	21° 59' 24.60" N
41	PBH-55	85° 15' 25.40" E	21° 59' 13.10" N	90	PBH-46	85° 15' 13.90" E	21° 59' 22.20" N
42	PBH-86	85° 15' 18.00" E	21° 58' 58.00" N	91	PBH-47	85° 15' 17.60" E	21° 59' 21.00" N
43	PBH-98	85° 15' 16.70" E	21° 58' 55.60" N	92	PBH-48	85° 15' 20.50" E	21° 59' 19.50" N
44	PBH-94	85° 15' 14.99" E	21° 59' 0.07" N	93	PBH-39	85° 15' 28.61" E	21° 59' 19.60" N
45	PBH-88	85° 15' 16.80" E	21° 59' 3.10" N	94	PBH-45	85° 15' 11.02" E	21° 59' 23.66" N
46	PBH-87	85° 15' 19.10" E	21° 59' 1.30" N	95	PBH-60	85° 15' 10.23" E	21° 59' 20.03" N
47	PBH-99	85° 15' 19.60" E	21° 58' 54.70" N	96	PBH-91	85° 15' 7.15" E	21° 59' 6.85" N
48	PBH-79	85° 15' 21.00" E	21° 59' 4.60" N	97	PBH-40	85° 15' 25.00" E	21° 59' 21.10" N
49	PBH-78	85° 15' 17.20" E	21° 59' 5.90" N				

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Belwa
Dy. Manager (Geo.)
Sorenda Prosp. Camp
O. M. C. Ltd.

Dama
Regional Manager
Odisha Mining Corporation Ltd
BARBIL

Surya Kumar Naik Sr. Khanduli Best

A. K. Mishra
TAHASILDAR
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Forest Section Officer
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Dr. S. S. Nayak
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