



Odisha Mining Corporation Limited

(A GOLD CATEGORY STATE PSU)

Letter No. ⁴⁹⁵⁷.....OMC/F&E/2015
April 25, 2015

To

**The Divisional Forest Officer
Keonjhar Forest Division
District Keonjhar**

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

Ref.: Your letter No. 417/Mining dt. 19.01.2015

Sir,

The compliance to the discrepancies observed during the scrutiny of the prospecting proposal of Parulipada Manganese Mines of OMC with respect to the following is enclosed herewith for your kind perusal.

- 1) Undertaking to be furnished: Enclosed as **Annexure – I series**.
- 2) Authenticated Maps and documents to be furnished: Enclosed as **Annexure– II series**

Yours faithfully

Encl.: As above

(S.K. Das)
Dy. General Manager (Geo)
Authorised Signatory

Memo No...../OMC/F&E/2015

April 25, 2015

Copy Forwarded to Regional Manager, Barbil/Sr. Manager (Geo), Barbil for information and necessary action.

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Dy. General Manager (Geo)
Authorised Signatory

Annexure – I series

Sl.No.	Undertakings	Compliance Status
1.	Undertaking as regards prospecting survey to be done does not involve any clearing of forest or cutting trees and operations are restricted to cleaning to bushes and looping of tree branches for purpose of sighting.	Enclosed as Annexure-Ia.
2.	Undertaking as regards survey in protected areas (Wildlife Sanctuary and National Park etc.) if any.	Enclosed as Annexure-Ia.
3.	Undertaking as regards claim for ipso-facto approval for diversion of forest land proposed under prospecting survey.	OMC will approach MoEF & CC for diversion of forest land under section 2 (ii) & (iii) after finalization of exploration report. An undertaking to this effect is enclosed as Annexure-Ia.
4.	Undertaking as regards nature of change in land use (Temporary/permanent) in respect of proposed prospecting survey.	The change in land use during the proposed prospecting survey within forest land (as per Plate-II enclosed in the proposal) will be temporary in nature. An undertaking to this effect is enclosed as Annexure-Ia.
5.	Undertaking as regards Compensatory Afforestation/ NPV in case of permanent land use if applicable.	Not applicable as the change in land use is temporary in nature.
6.	Undertaking as regards location of prospecting block with respect to scheduled areas.	Enclosed as Annexure-Ia.

(u)

UNDERTAKING

I Sri S. K. Das, Dy. General Manager (Geo), Power of attorney holder of O.M.C. Ltd do hereby undertake that:

- Point No. 1:** The prospecting survey at Parulipada Manganese Mines will not involve any clearing of forest or cutting trees and the operations will be restricted to cleaning of bushes and looping of tree branches for purpose of sighting. GPS/DGPS survey shall be undertaken without damaging any vegetation cover.
- Point No. 2:** The proposed prospecting survey of Parulipada Manganese Mining Lease does not come within any protected areas such as Wildlife Sanctuary and National Park.
- Point No. 3:** OMC will approach Ministry of Environment, Forests & Climate Change, Government of India, for diversion of forest land under section 2 (ii) & (iii) after finalization of exploration/prospecting survey within Parulipada Manganese Mine.
- Point No. 4:** The change in land use during the proposed prospecting survey within forest land of Parulipada Manganese Mining Lease (as per Plate-II enclosed in the proposal) will be of temporary in nature.
- Point No. 6:** The location of Parulipada Manganese Mining lease is listed within the Schedule areas of Odisha. This is as per the Constitution Order, 109 dated 31.12.1977 (Ref.: <http://tribal.nic.in/Content/ScheduledAreasinOrissaSSAreas.aspx>)



(S. K. Das)

Dy. General Manager (Geo)
Power of attorney holder
Odisha Mining Corporation Limited.

Annexure – II Series.

Sl. No.	Description of Map/Document	Compliance Status
1.	Map showing boundary of prospecting forest block.	Map showing boundary of prospecting forest block is enclosed in the prospecting proposal as Plate No. II.
2.	Map showing boundary of each forest patch located within the prospecting block.	Map showing boundary of prospecting forest block is enclosed in the prospecting proposal as Plate No. II.
3.	Map showing location of each sample plot/ bore holes.	Bore holes proposed have been indicated on the Maps enclosed as Plate No. II in the prospecting proposal.
4.	Map showing existing pathways/ roads (length & width)	Existing path ways/roads shown on the Maps enclosed as Plate No. II in the prospecting proposal (Length:11500 .00 mtrs. & With: 5 mtrs.).
5.	Map showing proposed new pathways/ roads (length & width).	Map showing proposed pathway /roads (Length-8531.275 mtrs & width-5mtrs.) is enclosed as Plate No. II in the prospecting proposal.
6.	Details of non-invasive prospecting survey previously undertaken.	Prospecting survey work at the rate of 10-20 bore holes per 10 sq km had been undertaken previously.
7.	Land use map of proposed site of prospection in forest land.	Land use map of proposed site of prospecting of forest land is enclosed as Plate No. II in the prospecting proposal.
8.	Map showing distance of prospecting area from boundary of forest land.	The prospecting lease hold area is partly covered by Karo Reserved Forest.
9.	Map showing distance of prospecting area from National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. falling within 10 KM from the prospecting block.	No Wildlife Sanctuary, National Park Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. is located within 10km radius of the prospecting block and shown in Plate No.I.
10.	Map showing distance of prospecting area from National Park, Wildlife Sanctuary, Biosphere Reserve, Tiger Reserve, Elephant Corridor etc. falling within 1KM from the prospecting block.	The proposed prospecting survey of Parulipada Manganese Mining Lease does not come within any protected areas such as Wildlife Sanctuary and National Park etc within 1km.
11.	Map showing details of protected archaeological, heritage site, defence establishment and any other important monument in the prospecting block.	No such features are located within the prospecting block as shown in the map enclosed as Plate No.I.
12.	GPS Co-ordinates of proposed bore holes in the forest block in KML file.	GPS Co-ordinates of proposed bore holes is given in Annexure-IIa Bore holes proposed is located in KML file also.

GPS Coordinates of Proposed Boreholes in Parulipada Leasehold area

BH_id	Easting (UTM)	Northing (UTM)	Easting (E)			Northing(N)		
			Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
1	320457.632	2433244.670	85	15	39.09	21	59	40.39
2	320413.912	2433154.590	85	15	37.61	21	59	37.44
3	320505.571	2433111.389	85	15	40.82	21	59	36.07
4	320320.015	2433196.540	85	15	34.32	21	59	38.77
5	320183.106	2433148.413	85	15	29.56	21	59	37.16
6	320277.222	2433107.123	85	15	32.86	21	59	35.85
7	320368.331	2433063.031	85	15	36.05	21	59	34.45
8	320462.717	2433021.906	85	15	39.36	21	59	33.15
9	320418.612	2432930.448	85	15	37.85	21	59	30.16
10	320326.330	2432972.998	85	15	34.63	21	59	31.51
11	320232.516	2433015.896	85	15	31.34	21	59	32.87
12	320138.703	2433058.794	85	15	28.05	21	59	34.23
13	320049.618	2433098.935	85	15	24.93	21	59	35.5
14	319909.675	2433053.249	85	15	20.07	21	59	33.96
15	320003.557	2433011.073	85	15	23.36	21	59	32.62
16	320096.257	2432968.595	85	15	26.61	21	59	31.28
17	320188.351	2432924.702	85	15	29.83	21	59	29.89
18	320280.304	2432881.285	85	15	33.06	21	59	28.51
19	320374.046	2432839.588	85	15	36.34	21	59	27.19
20	320462.328	2432797.479	85	15	39.44	21	59	25.85
21	320421.964	2432705.570	85	15	38.06	21	59	22.85
22	320329.688	2432748.778	85	15	34.83	21	59	24.22
23	320237.266	2432791.589	85	15	31.59	21	59	25.58
24	320145.190	2432834.452	85	15	28.37	21	59	26.94
25	320050.388	2432876.789	85	15	25.04	21	59	28.28
26	319960.253	2432918.988	85	15	21.89	21	59	29.62
27	319868.002	2432964.175	85	15	18.65	21	59	31.05
28	319773.537	2433003.790	85	15	15.34	21	59	32.3
29	319728.822	2432915.278	85	15	13.82	21	59	29.41
30	319822.681	2432871.046	85	15	17.11	21	59	28.01
31	319914.792	2432828.574	85	15	20.34	21	59	26.66
32	320008.386	2432786.876	85	15	23.62	21	59	25.34
33	320100.494	2432744.089	85	15	26.84	21	59	23.98
34	320192.815	2432700.043	85	15	30.08	21	59	22.58
35	320285.968	2432656.763	85	15	33.34	21	59	21.21
36	320379.056	2432613.545	85	15	36.61	21	59	19.84
37	320333.791	2432522.513	85	15	35.06	21	59	16.86
38	320241.775	2432565.280	85	15	31.84	21	59	18.22
39	320149.495	2432608.160	85	15	28.61	21	59	19.58
40	320055.994	2432651.714	85	15	25.33	21	59	20.96
41	319962.194	2432695.930	85	15	22.04	21	59	22.36
42	319871.747	2432737.803	85	15	18.87	21	59	23.69
43	319779.147	2432779.372	85	15	15.63	21	59	25.01
44	319685.637	2432821.940	85	15	12.35	21	59	26.36
45	319642.223	2432733.259	85	15	10.87	21	59	23.46
46	319734.796	2432688.314	85	15	14.12	21	59	22.03
47	319827.700	2432646.412	85	15	17.37	21	59	20.7

BH_id	Easting (UTM)	Northing (UTM)	Easting (E)			Northing(N)		
			Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
48	319919.975	2432603.200	85	15	20.61	21	59	19.33
49	320013.180	2432560.637	85	15	23.87	21	59	17.98
50	320105.685	2432516.775	85	15	27.12	21	59	16.59
51	320197.488	2432475.385	85	15	30.33	21	59	15.28
52	320290.517	2432431.593	85	15	33.59	21	59	13.89
53	320243.750	2432340.876	85	15	32.00	21	59	10.93
54	320152.482	2432383.853	85	15	28.80	21	59	12.29
55	320061.606	2432427.119	85	15	25.61	21	59	13.66
56	319968.221	2432470.079	85	15	22.34	21	59	15.02
57	319874.818	2432511.459	85	15	19.07	21	59	16.33
58	319783.396	2432554.134	85	15	15.87	21	59	17.69
59	319691.762	2432597.052	85	15	12.65	21	59	19.05
60	319607.500	2432636.258	85	15	9.70	21	59	20.29
61	319646.836	2432506.463	85	15	11.12	21	59	16.09
62	319739.166	2432463.671	85	15	14.36	21	59	14.73
63	319831.087	2432422.000	85	15	17.58	21	59	13.41
64	319924.221	2432378.568	85	15	20.84	21	59	12.03
65	320016.579	2432336.068	85	15	24.08	21	59	10.69
66	320110.251	2432294.098	85	15	27.36	21	59	9.36
67	320200.196	2432249.378	85	15	30.52	21	59	7.94
68	320158.654	2432159.068	85	15	29.10	21	59	4.98
69	320065.551	2432201.717	85	15	25.84	21	59	6.34
70	319973.402	2432244.415	85	15	22.61	21	59	7.69
71	319880.777	2432289.475	85	15	19.37	21	59	9.12
72	319786.774	2432330.801	85	15	16.07	21	59	10.43
73	319694.499	2432372.154	85	15	12.84	21	59	11.74
74	319602.895	2432417.407	85	15	9.63	21	59	13.18
75	319559.034	2432326.758	85	15	8.14	21	59	10.21
76	319648.877	2432282.320	85	15	11.29	21	59	8.8
77	319745.184	2432239.365	85	15	14.66	21	59	7.44
78	319836.583	2432194.679	85	15	17.86	21	59	6.02
79	319930.240	2432155.293	85	15	21.14	21	59	4.78
80	320022.752	2432111.283	85	15	24.39	21	59	3.38
81	319977.338	2432019.376	85	15	22.84	21	59	0.38
82	320114.206	2432068.691	85	15	27.59	21	59	2.03
83	320069.759	2431978.314	85	15	26.08	21	58	59.07
84	320026.726	2431884.958	85	15	24.61	21	58	56.02
85	319933.204	2431929.182	85	15	21.34	21	58	57.43
86	319841.936	2431972.159	85	15	18.14	21	58	58.79
87	319884.382	2432060.872	85	15	19.58	21	59	1.69
88	319792.200	2432105.921	85	15	16.35	21	59	3.12
89	319699.703	2432147.347	85	15	13.11	21	59	4.43
90	319606.199	2432190.652	85	15	9.83	21	59	5.81
91	319522.201	2432229.649	85	15	6.89	21	59	7.04
92	319562.566	2432100.722	85	15	8.35	21	59	2.87
93	319656.182	2432056.658	85	15	11.63	21	59	1.47
94	319746.835	2432015.379	85	15	14.81	21	59	0.16
95	319520.465	2432009.258	85	15	6.92	21	58	59.88

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BH_id	Easting (UTM)	Northing (UTM)	Easting (E)			Northing(N)		
			Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
96	319610.867	2431965.975	85	15	10.09	21	58	58.5
97	319704.734	2431923.915	85	15	13.37	21	58	57.17
98	319798.629	2431880.428	85	15	16.66	21	58	55.79
99	319888.705	2431838.946	85	15	19.82	21	58	54.48
100	319980.625	2431797.316	85	15	23.04	21	58	53.16
101	319937.901	2431703.078	85	15	21.59	21	58	50.08
102	319844.378	2431747.335	85	15	18.31	21	58	51.48
103	320366.361	2433286.144	85	15	35.90	21	59	41.7

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