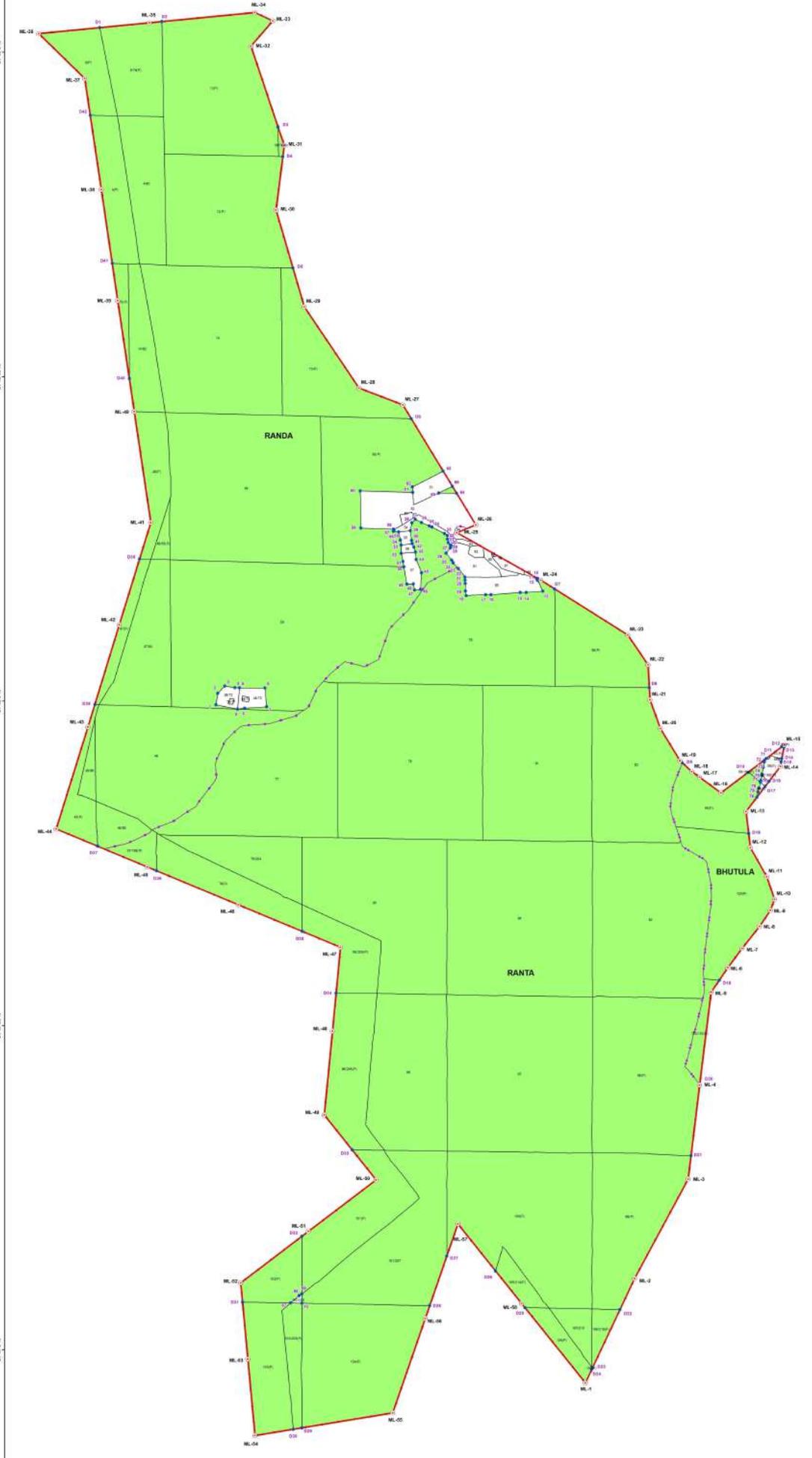


# DGPS SURVEYED MAP SHOWING FOREST AREA PROPOSED FOR DIVERSION COMING WITHIN THE MAHULSUKHA IRON & MANGANESE ORE BLOCK OF M/s PATNAIK MINERALS PVT. LTD. IN SUNDARGARH DISTRICT.

SCALE: 1:3960



COORDINATES OF ML PILLARS (CONTINUED)				COORDINATES OF ML PILLARS (CONTINUED)			
Sl. No.	Point No.	Latitude	Longitude	Sl. No.	Point No.	Latitude	Longitude
1	ML-01	21°42'00.0000N	85°50'00.0000E	1	ML-01	21°42'00.0000N	85°50'00.0000E
2	ML-02	21°42'00.0000N	85°50'00.0000E	2	ML-02	21°42'00.0000N	85°50'00.0000E
3	ML-03	21°42'00.0000N	85°50'00.0000E	3	ML-03	21°42'00.0000N	85°50'00.0000E
4	ML-04	21°42'00.0000N	85°50'00.0000E	4	ML-04	21°42'00.0000N	85°50'00.0000E
5	ML-05	21°42'00.0000N	85°50'00.0000E	5	ML-05	21°42'00.0000N	85°50'00.0000E
6	ML-06	21°42'00.0000N	85°50'00.0000E	6	ML-06	21°42'00.0000N	85°50'00.0000E
7	ML-07	21°42'00.0000N	85°50'00.0000E	7	ML-07	21°42'00.0000N	85°50'00.0000E
8	ML-08	21°42'00.0000N	85°50'00.0000E	8	ML-08	21°42'00.0000N	85°50'00.0000E
9	ML-09	21°42'00.0000N	85°50'00.0000E	9	ML-09	21°42'00.0000N	85°50'00.0000E
10	ML-10	21°42'00.0000N	85°50'00.0000E	10	ML-10	21°42'00.0000N	85°50'00.0000E
11	ML-11	21°42'00.0000N	85°50'00.0000E	11	ML-11	21°42'00.0000N	85°50'00.0000E
12	ML-12	21°42'00.0000N	85°50'00.0000E	12	ML-12	21°42'00.0000N	85°50'00.0000E
13	ML-13	21°42'00.0000N	85°50'00.0000E	13	ML-13	21°42'00.0000N	85°50'00.0000E
14	ML-14	21°42'00.0000N	85°50'00.0000E	14	ML-14	21°42'00.0000N	85°50'00.0000E
15	ML-15	21°42'00.0000N	85°50'00.0000E	15	ML-15	21°42'00.0000N	85°50'00.0000E
16	ML-16	21°42'00.0000N	85°50'00.0000E	16	ML-16	21°42'00.0000N	85°50'00.0000E
17	ML-17	21°42'00.0000N	85°50'00.0000E	17	ML-17	21°42'00.0000N	85°50'00.0000E
18	ML-18	21°42'00.0000N	85°50'00.0000E	18	ML-18	21°42'00.0000N	85°50'00.0000E
19	ML-19	21°42'00.0000N	85°50'00.0000E	19	ML-19	21°42'00.0000N	85°50'00.0000E
20	ML-20	21°42'00.0000N	85°50'00.0000E	20	ML-20	21°42'00.0000N	85°50'00.0000E
21	ML-21	21°42'00.0000N	85°50'00.0000E	21	ML-21	21°42'00.0000N	85°50'00.0000E
22	ML-22	21°42'00.0000N	85°50'00.0000E	22	ML-22	21°42'00.0000N	85°50'00.0000E
23	ML-23	21°42'00.0000N	85°50'00.0000E	23	ML-23	21°42'00.0000N	85°50'00.0000E
24	ML-24	21°42'00.0000N	85°50'00.0000E	24	ML-24	21°42'00.0000N	85°50'00.0000E
25	ML-25	21°42'00.0000N	85°50'00.0000E	25	ML-25	21°42'00.0000N	85°50'00.0000E
26	ML-26	21°42'00.0000N	85°50'00.0000E	26	ML-26	21°42'00.0000N	85°50'00.0000E
27	ML-27	21°42'00.0000N	85°50'00.0000E	27	ML-27	21°42'00.0000N	85°50'00.0000E
28	ML-28	21°42'00.0000N	85°50'00.0000E	28	ML-28	21°42'00.0000N	85°50'00.0000E
29	ML-29	21°42'00.0000N	85°50'00.0000E	29	ML-29	21°42'00.0000N	85°50'00.0000E
30	ML-30	21°42'00.0000N	85°50'00.0000E	30	ML-30	21°42'00.0000N	85°50'00.0000E
31	ML-31	21°42'00.0000N	85°50'00.0000E	31	ML-31	21°42'00.0000N	85°50'00.0000E
32	ML-32	21°42'00.0000N	85°50'00.0000E	32	ML-32	21°42'00.0000N	85°50'00.0000E
33	ML-33	21°42'00.0000N	85°50'00.0000E	33	ML-33	21°42'00.0000N	85°50'00.0000E
34	ML-34	21°42'00.0000N	85°50'00.0000E	34	ML-34	21°42'00.0000N	85°50'00.0000E
35	ML-35	21°42'00.0000N	85°50'00.0000E	35	ML-35	21°42'00.0000N	85°50'00.0000E
36	ML-36	21°42'00.0000N	85°50'00.0000E	36	ML-36	21°42'00.0000N	85°50'00.0000E
37	ML-37	21°42'00.0000N	85°50'00.0000E	37	ML-37	21°42'00.0000N	85°50'00.0000E
38	ML-38	21°42'00.0000N	85°50'00.0000E	38	ML-38	21°42'00.0000N	85°50'00.0000E
39	ML-39	21°42'00.0000N	85°50'00.0000E	39	ML-39	21°42'00.0000N	85°50'00.0000E
40	ML-40	21°42'00.0000N	85°50'00.0000E	40	ML-40	21°42'00.0000N	85°50'00.0000E
41	ML-41	21°42'00.0000N	85°50'00.0000E	41	ML-41	21°42'00.0000N	85°50'00.0000E
42	ML-42	21°42'00.0000N	85°50'00.0000E	42	ML-42	21°42'00.0000N	85°50'00.0000E
43	ML-43	21°42'00.0000N	85°50'00.0000E	43	ML-43	21°42'00.0000N	85°50'00.0000E
44	ML-44	21°42'00.0000N	85°50'00.0000E	44	ML-44	21°42'00.0000N	85°50'00.0000E
45	ML-45	21°42'00.0000N	85°50'00.0000E	45	ML-45	21°42'00.0000N	85°50'00.0000E
46	ML-46	21°42'00.0000N	85°50'00.0000E	46	ML-46	21°42'00.0000N	85°50'00.0000E
47	ML-47	21°42'00.0000N	85°50'00.0000E	47	ML-47	21°42'00.0000N	85°50'00.0000E
48	ML-48	21°42'00.0000N	85°50'00.0000E	48	ML-48	21°42'00.0000N	85°50'00.0000E
49	ML-49	21°42'00.0000N	85°50'00.0000E	49	ML-49	21°42'00.0000N	85°50'00.0000E
50	ML-50	21°42'00.0000N	85°50'00.0000E	50	ML-50	21°42'00.0000N	85°50'00.0000E

COORDINATES OF FOREST POINTS			
Sl. No.	Point No.	Latitude	Longitude
1	FP-01	21°42'00.0000N	85°50'00.0000E
2	FP-02	21°42'00.0000N	85°50'00.0000E
3	FP-03	21°42'00.0000N	85°50'00.0000E
4	FP-04	21°42'00.0000N	85°50'00.0000E
5	FP-05	21°42'00.0000N	85°50'00.0000E
6	FP-06	21°42'00.0000N	85°50'00.0000E
7	FP-07	21°42'00.0000N	85°50'00.0000E
8	FP-08	21°42'00.0000N	85°50'00.0000E
9	FP-09	21°42'00.0000N	85°50'00.0000E
10	FP-10	21°42'00.0000N	85°50'00.0000E
11	FP-11	21°42'00.0000N	85°50'00.0000E
12	FP-12	21°42'00.0000N	85°50'00.0000E
13	FP-13	21°42'00.0000N	85°50'00.0000E
14	FP-14	21°42'00.0000N	85°50'00.0000E
15	FP-15	21°42'00.0000N	85°50'00.0000E
16	FP-16	21°42'00.0000N	85°50'00.0000E
17	FP-17	21°42'00.0000N	85°50'00.0000E
18	FP-18	21°42'00.0000N	85°50'00.0000E
19	FP-19	21°42'00.0000N	85°50'00.0000E
20	FP-20	21°42'00.0000N	85°50'00.0000E
21	FP-21	21°42'00.0000N	85°50'00.0000E
22	FP-22	21°42'00.0000N	85°50'00.0000E
23	FP-23	21°42'00.0000N	85°50'00.0000E
24	FP-24	21°42'00.0000N	85°50'00.0000E
25	FP-25	21°42'00.0000N	85°50'00.0000E
26	FP-26	21°42'00.0000N	85°50'00.0000E
27	FP-27	21°42'00.0000N	85°50'00.0000E
28	FP-28	21°42'00.0000N	85°50'00.0000E
29	FP-29	21°42'00.0000N	85°50'00.0000E
30	FP-30	21°42'00.0000N	85°50'00.0000E
31	FP-31	21°42'00.0000N	85°50'00.0000E
32	FP-32	21°42'00.0000N	85°50'00.0000E
33	FP-33	21°42'00.0000N	85°50'00.0000E
34	FP-34	21°42'00.0000N	85°50'00.0000E
35	FP-35	21°42'00.0000N	85°50'00.0000E
36	FP-36	21°42'00.0000N	85°50'00.0000E
37	FP-37	21°42'00.0000N	85°50'00.0000E
38	FP-38	21°42'00.0000N	85°50'00.0000E
39	FP-39	21°42'00.0000N	85°50'00.0000E
40	FP-40	21°42'00.0000N	85°50'00.0000E
41	FP-41	21°42'00.0000N	85°50'00.0000E
42	FP-42	21°42'00.0000N	85°50'00.0000E
43	FP-43	21°42'00.0000N	85°50'00.0000E
44	FP-44	21°42'00.0000N	85°50'00.0000E
45	FP-45	21°42'00.0000N	85°50'00.0000E
46	FP-46	21°42'00.0000N	85°50'00.0000E
47	FP-47	21°42'00.0000N	85°50'00.0000E
48	FP-48	21°42'00.0000N	85°50'00.0000E
49	FP-49	21°42'00.0000N	85°50'00.0000E
50	FP-50	21°42'00.0000N	85°50'00.0000E

- DGPS Survey of forest areas proposed for diversion within Mahulsukha Iron & Manganese Ore Block boundary of M/s Patnaik minerals private Limited, Sundargarh District has been carried out by the user agency through M/s Digital Cartography and Services (P) Ltd., Bhubaneswar.

- DGPS survey co-ordinates are verified by ORSAC. Also map showing forest areas proposed for diversion are verified with georeferenced cadastral sheets and surveyed points and compared with ortho-rectified Cartosat Satellite image and found that maps are correct at a confidence level of 95%.

- All the forest areas proposed for diversion comes in 5 cadastral sheets of 3 Revenue villages.

- Total forest areas proposed for diversion comes under P.R.F. (Pahad) and works out to 382.436 Ha from the submitted .shp files against the allotted area of 382.437 Ha, and as mentioned in the submitted land schedule.



For M/s Patnaik Minerals (P) Ltd.  
 B. BISHAPATRA  
 GENERAL MANAGER (P & CI)  
 M/S. PATNAIK MINERALS PVT. LTD.

DGPS SURVEY CONDUCTED BY

*Ashish Das*

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 GGP Canal Road, Bhubaneswar