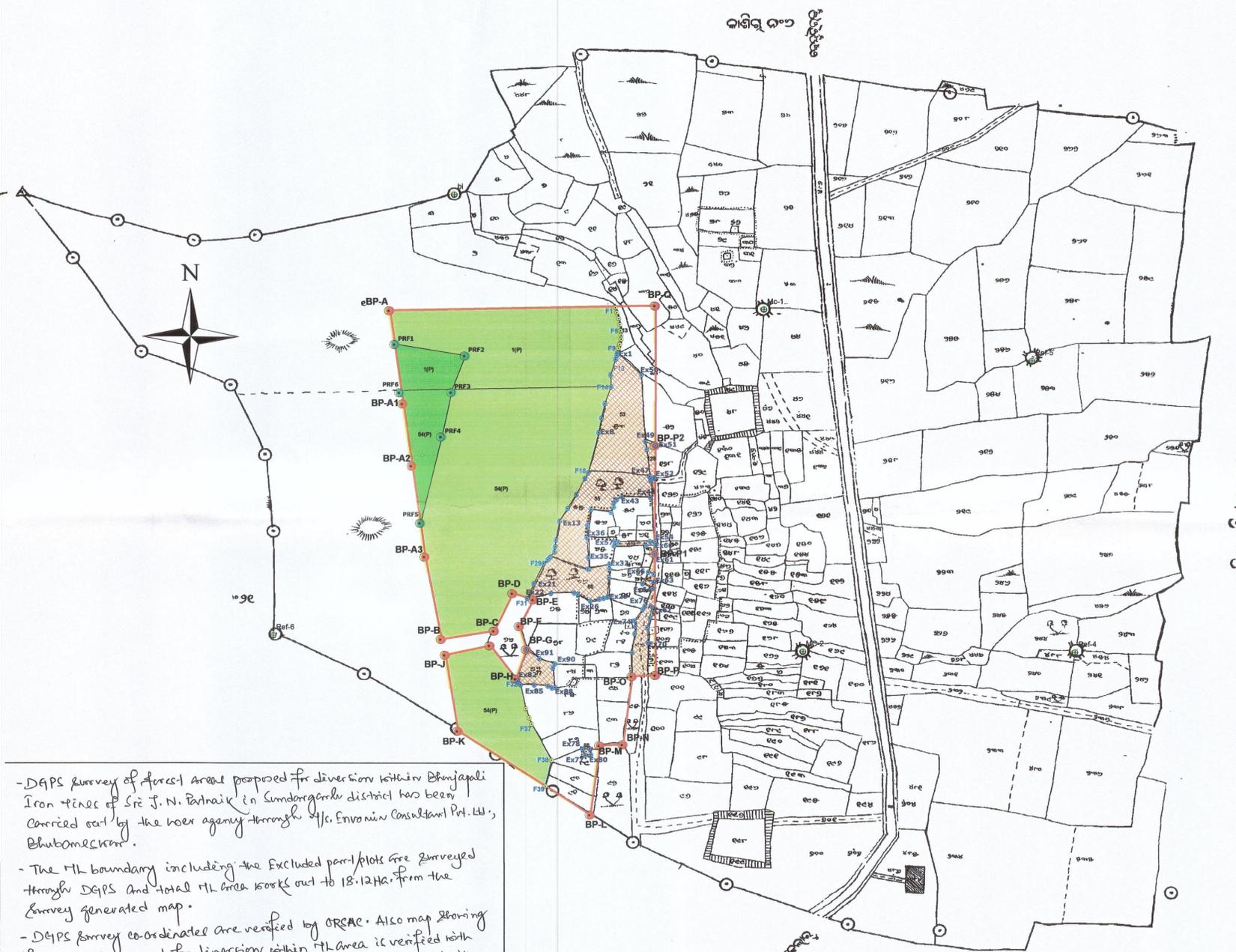


DGPS Surveyed Map Showing Forest Area Proposed for Diversion within Bhanjapali Iron Mines of Sri J.N Patnaik Under Koira Tahasil of Sundargarh Dist.



- DGPS survey of forest areas proposed for diversion within Bhanjapali Iron mines of Sri J. N. Patnaik in Sundargarh district has been carried out by the user agency through Jt. Environ Consultant Pvt. Ltd., Bhubaneswar.

- The ML boundary including the Excluded part/Plots are surveyed through DGPS and total ML area works out to 18.12 Ha. from the survey generated map.

- DGPS survey co-ordinates are verified by OREAC. Also map showing forest areas proposed for diversion within ML area is verified with geo-referenced cadastral sheet/surveyed points and compared with Ortho-rectified Cartosat Satellite image and found that map is correct at a confidence level of 95%.

- All the forest areas proposed for diversion comes in two patches of DLC forest and one patch P.R.F. in one cadastral sheet of village Bhanjapali. Total forest areas proposed for diversion works out to 12.644 Ha. includes 11.414 Ha. DLC forest area and 1.230 P.R.F. area from the submitted shape files against the mentioned area of 12.566 Ha. in the submitted land schedule.

(Kharavel Nagar)
Sundargarh Dist.



ML Area = 20.999 Ha. - 2.879Ha. = 18.12 Ha.

Index			
●	Lease Boundary Pillar		Mining Lease
●	Excluded Pillar		PRF
●	PRF Pillar		DLC
●	Forest Pillar		Excluded Plot

DGPS Co-Ordinates of RML Pillars					
Sl. No.	Pillar Id	Easting	Northing	Longitude	Latitude
1	Bp-A	319069.743	2424686.533	85°14'54.12523"	21°55'01.65253"
2	Bp-A1	319086.534	2424547.773	85°14'54.76541"	21°54'57.14774"
3	Bp-A2	319098.537	2424455.204	85°14'55.22041"	21°54'54.14283"
4	Bp-A3	319115.03	2424318.56	85°14'55.84933"	21°54'49.70672"
5	Bp-B	319136.585	2424195.604	85°14'56.64916"	21°54'45.71747"
6	Bp-C	319210.03	2424207.206	85°14'59.20331"	21°54'46.12186"
7	Bp-D	319236.692	2424262.97	85°15'00.11005"	21°54'47.94461"
8	Bp-E	319265.223	2424253.208	85°15'01.10789"	21°54'47.63782"
9	Bp-F	319245.084	2424213.673	85°15'00.42200"	21°54'46.34510"
10	Bp-G	319254.487	2424179.424	85°15'00.76317"	21°54'45.23515"
11	Bp-H	319239.09	2424135.738	85°15'00.24411"	21°54'43.80924"
12	Bp-I	319204.097	2424185.589	85°14'59.00521"	21°54'45.41690"
13	Bp-J	319141.461	2424172.137	85°14'56.82836"	21°54'44.95635"
14	Bp-K	319158.026	2424058.963	85°14'57.45043"	21°54'41.28326"
15	Bp-L	319341.013	2423932.275	85°15'03.87577"	21°54'37.23251"
16	Bp-M	319355.669	2424035.329	85°15'04.34547"	21°54'40.58820"
17	Bp-N	319387.828	2424036.139	85°15'05.46553"	21°54'40.62644"
18	Bp-O	319402.287	2424137.507	85°15'05.92901"	21°54'43.92721"
19	Bp-P	319434.852	2424138.742	85°15'07.06307"	21°54'43.97943"
20	Bp-P1	319435.19	242420.162	85°15'07.00283"	21°54'49.87744"
21	Bp-P2	319437.88	2424481.714	85°15'07.03245"	21°54'55.13042"
22	Bp-Q	319440.636	2424689.404	85°15'07.04606"	21°55'01.88334"

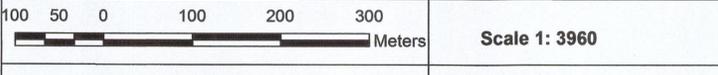
DGPS Surveyed Co-ordinates of Excluded Plot Boundary Pillars					
Sl. No.	Pillar Id	Easting	Northing	Longitude	Latitude
1	Ex1	319386.5300	2424620.2600	85°15'18.8194"	21°54'59.61528"
2	Ex2	319383.8700	2424616.7900	85°15'15.16328"	21°54'59.50224"
3	Ex3	319383.8700	2424610.5100	85°15'15.09976"	21°54'59.29744"
4	Ex4	319376.6920	2424587.6300	85°15'14.85856"	21°54'58.55112"
5	Ex5	319377.2400	2424569.9800	85°15'14.88484"	21°54'57.97764"
6	Ex6	319368.2180	2424545.0000	85°15'14.58028"	21°54'57.16188"
7	Ex7	319363.4100	2424523.7900	85°15'14.42116"	21°54'56.46888"
8	Ex8	319359.3700	2424502.1400	85°15'14.28984"	21°54'55.76188"
9	Ex9	319343.9600	2424442.2400	85°15'13.75648"	21°54'53.81208"
10	Ex10	319339.62100	2424433.81100	85°15'13.62808"	21°54'53.53668"
11	Ex11	319327.01000	2424409.74800	85°15'13.19824"	21°54'52.74972"
12	Ex12	319314.39500	2424388.85000	85°15'12.76696"	21°54'52.06536"
13	Ex13	319302.84700	2424370.35700	85°15'12.37204"	21°54'51.46024"
14	Ex14	319297.27600	2424341.96300	85°15'12.18916"	21°54'50.53576"
15	Ex15	319296.23700	2424332.10900	85°15'12.15676"	21°54'49.21888"
16	Ex16	319295.31400	2424324.52800	85°15'12.12768"	21°54'48.96728"
17	Ex17	319289.87700	2424317.20500	85°15'11.94112"	21°54'48.72716"
18	Ex18	319287.95800	2424315.07900	85°15'11.87524"	21°54'48.65732"
19	Ex19	319285.73900	2424312.75400	85°15'11.79892"	21°54'48.58176"
20	Ex20	319280.03700	2424307.05700	85°15'11.60236"	21°54'48.39336"
21	Ex21	319266.06400	2424277.59400	85°15'11.27572"	21°54'48.43944"
22	Ex22	319256.40000	2424256.06000	85°15'10.80032"	21°54'47.70176"
23	Ex23	319249.71700	2424262.54900	85°15'11.95732"	21°54'47.95056"
24	Ex24	319232.34200	2424263.12800	85°15'13.09384"	21°54'49.88116"
25	Ex25	319237.54300	2424261.40600	85°15'13.27564"	21°54'49.92716"
26	Ex26	319244.54400	2424250.60100	85°15'13.88672"	21°54'49.58228"
27	Ex27	319257.23000	2424253.26200	85°15'14.31316"	21°54'47.67336"
28	Ex28	319263.26400	2424254.56900	85°15'14.52268"	21°54'47.71872"
29	Ex29	319264.00000	2424256.06000	85°15'14.71848"	21°54'47.76816"
30	Ex30	319271.02000	2424285.47300	85°15'14.79008"	21°54'48.72564"
31	Ex31	319272.23900	2424287.75000	85°15'14.81824"	21°54'49.12524"
32	Ex32	319272.04200	2424285.01000	85°15'14.80852"	21°54'49.36144"
33	Ex33	319243.76400	2424298.82300	85°15'13.82608"	21°54'49.14972"
34	Ex34	319242.07700	2424298.58400	85°15'13.76744"	21°54'49.14144"
35	Ex35	319242.70000	2424314.80000	85°15'13.78452"	21°54'49.66884"
36	Ex36	319241.03000	2424345.30000	85°15'13.71488"	21°54'49.65648"
37	Ex37	319242.01100	2424363.27500	85°15'13.73932"	21°54'51.24424"
38	Ex38	319247.31800	2424386.81400	85°15'13.91464"	21°54'51.01136"
39	Ex39	319274.81200	2424382.45800	85°15'14.87444"	21°54'51.87996"
40	Ex40	319278.74400	2424390.63700	85°15'15.00832"	21°54'52.14744"
41	Ex41	319279.65000	2424397.80000	85°15'15.03676"	21°54'52.38072"
42	Ex42	319283.00100	2424401.69000	85°15'15.15196"	21°54'52.50672"
43	Ex43	319290.97000	2424405.48000	85°15'15.11116"	21°54'53.43424"
44	Ex44	319430.12700	2424404.16300	85°15'16.79284"	21°54'53.60608"
45	Ex45	319431.45400	2424429.13700	85°15'16.82924"	21°54'53.41864"
46	Ex46	319440.43200	2424431.94700	85°15'16.79248"	21°54'53.50968"

DGPS Surveyed Co-ordinates of PRF Pillars					
Pillar Id	Easting	Northing	Longitude	Latitude	
PRF1	319076.69400	2424636.32300	85°14'54.38724"	21°55'0.02244"	
PRF2	319174.43300	2424618.39800	85°14'57.79988"	21°54'59.47632"	
PRF3	319154.64600	2424563.90300	85°14'57.13188"	21°54'57.69772"	
PRF4	319140.27500	2424498.23100	85°14'56.85744"	21°54'55.55772"	
PRF5	319109.45500	2424369.05700	85°14'55.63576"	21°54'51.34808"	
PRF6	319082.47400	2424564.45500	85°14'54.61728"	21°54'57.68824"	

DGPS Surveyed Co-Ordinates of GeoReference Points					
Id	Easting	Northing	Longitude	Latitude	
MC-1	319590.66600	2424681.86300	85°15'12.27676"	21°55'1.69356"	
MC-2	319639.35400	2424171.74100	85°15'14.17428"	21°54'45.12776"	
bi	319161.58900	2424859.18800	85°14'57.25644"	21°55'7.29944"	
Ref-4	320020.10600	2424166.66700	85°15'27.44136"	21°54'45.10332"	
Ref-5	319964.68100	2424601.36000	85°15'25.33864"	21°54'59.21464"	
Ref-6	318901.07200	2424205.15300	85°14'48.44004"	21°54'45.94032"	

Derived Co-ordinates of Forest Pillars					
Sl No.	Pillar No.	Easting	Northing	Longitude	Latitude
1	F1	319384.49900	2424687.47600	85°15'0.09076"	21°55'1.79976"
2	F2	319386.11200	2424680.20200	85°15'0.14988"	21°55'1.56396"
3	F3	319388.81000	2424671.40900	85°15'0.24736"	21°55'1.27884"
4	F4	319390.38100	2424662.50100	85°15'0.30568"	21°55'0.99012"
5	F5	319391.09200	2424653.40400	85°15'0.33412"	21°55'0.69456"
6	F6	319391.93800	2424646.55800	85°15'0.36616"	21°55'0.47208"
7	F7	319391.93900	2424640.80400	85°15'0.36868"	21°55'0.28524"
8	F8	319389.85000	2424633.24700	85°15'0.29884"	21°55'0.03864"
9	F9	319388.28400	2424627.52300	85°15'0.24664"	21°54'59.85216"
10	F35	319252.17100	2424091.94300	85°15'0.71712"	21°54'42.39776"
11	F36	319256.95400	2424078.10900	85°15'0.88928"	21°54'41.94216"
12	F37	319259.97300	2424068.55800	85°15'0.99828"	21°54'41.63292"
13	F38	319287.04000	2424014.49100	85°15'1.96272"	21°54'39.88512"
14	F39	319277.98189	2423975.91416	85°15'1.66248"	21°54'38.62764"

Area Statics of Forest Land						
Sl No.	Village	Plot No	Forest Type	Allotted Area Ac.	Allotted Area Ha.	MapArea Ha.
1	Bhanjapali	1(p)	DLC	8.75	3.541	3.157
2	Bhanjapali	1(p)	PRF			0.510
3	Bhanjapali	54(p)	DLC	22.30	9.025	8.257
4	Bhanjapali	54(p)	PRF			0.720
Total Forest Area				31.05	12.566	12.644



Prepared By
Envomin Consultant Pvt. Ltd
Plot No - 58
Unit - III, Kharvel Nagar
Bhubaneswar - 1