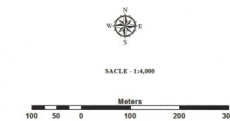


MAP SHOWING THE MINING LEASE AREA OVER AN AREA 377.88 AC. OR 152.927 Ha. FOR IRON & MANGANESE
IN VILLAGE RAIKA & THAKURANI R.F. OF Dr. SAROJINI PRADHAN UNDER CHAMPUA SUB-DIVISION OF KEONJHAR DISTRICT, ODISHA.



- DGPS Survey of M.L. boundary, forest area proposed for diversion and forest area already diverted with a Kolarabati Iron & Mn. Mines of M/C Dr. Gargi Pradhan in Keonjhar District has been carried out by the user agency through M/C. DCS Pvt. Ltd., Bhubaneswar.
- DGPS Survey coordinates of M.L. pillars are verified by ORAC. Total M.L. area worked out to 152.927 Ha. from the survey generated M.L. boundary map against the mentioned 152.927 Ha.
- DGPS Survey coordinates used for generation of map showing forest areas proposed for diversion/forest areas already diverted are verified. Also the map showing forest areas proposed for diversion/forest areas already diverted is verified with survey coordinates/georeferenced cadastral sheet and compared with Geo-rectified Aerial Satellite Image and found that the map is correct at a confidence level of 95%.
- All the forest areas proposed for diversion comes in one cadastral sheet of village Raika and part of Thakurani R.F. and forest areas already diverted comes in one patch within Thakurani R.F. Total forest area within M.L. area worked out to 146.772 Ha. from the submitted file includes 94.631 Ha. proposed for diversion (11.399 Ha. reserved forest area and 83.232 Ha. R.F. area) and 52.081 Ha. R.F. area already diverted against the mentioned 144.559 Ha. includes 52.082 Ha. already diverted in the submitted record.



LEGEND	
●	M.L. PILLARS
○	ALREADY DIVERTED
●	R.F. PILLARS
●	V.F. POINTS
●	GEOREFERENCE POINT
□	M.L. BOUNDARY
■	RESERVED FOREST (TO BE DIVERTED)
■	VILLAGE FOREST
■	ALREADY DIVERTED

FOREST AREA STATISTICS OF KALAPARBATI IRON & MANGANESE MINES OF Dr. SAROJINI PRADHAN					
VILLAGE NAME	PLOT NO.	FOREST TYPE	MAP AREA IN AC.	MAP AREA IN HA.	FOR AREA IN HA.
THAKURANI R.F.	R.F.	TO BE DIVERTED	205.667	83.232	201.574
		ALREADY DIVERTED	139.097	52.081	128.496
			344.764	135.314	330.070
RAIKA-09	S	JUNGLE	14.399	5.827	16.800
		JUNGLE	13.760	5.375	10.360
			28.160	11.399	27.160
GRAND TOTAL (A+B)			362.927	146.713	357.230

CO-ORDINATES OF M.L. PILLARS				
SL. NO.	PILLAR ID	EASTING	NORTHING	LONGITUDE
1	A	337539.928	244013.271	85°25'32.1086"
2	B	337550.139	2440210.413	85°25'32.45148"
3	C	337501.885	2440214.133	85°25'30.76716"
4	D	337490.250	2440302.418	85°25'30.32956"
5	E	337336.628	2440779.335	85°25'24.97476"
6	F	337393.435	2440558.201	85°25'26.86800"
7	G	337415.417	2440552.069	85°25'27.63675"
8	H	337459.333	2440749.474	85°25'29.09017"
9	I	337435.785	2440755.015	85°25'28.26683"
10	J	337484.057	2441000.321	85°25'29.86213"
11	K	337537.928	2441274.099	85°25'31.64211"
12	L	337534.795	2441306.680	85°25'31.48959"
13	M	337483.362	2441420.537	85°25'29.68648"
14	N	337509.470	2441438.540	85°25'30.59353"
15	O	337427.384	2441667.063	85°25'27.65227"
16	P	337558.316	2441620.719	85°25'25.25260"
17	Q	337130.911	2441532.602	85°25'17.35229"
18	R	337193.301	2441382.360	85°25'19.58270"
19	S	337142.204	2441361.698	85°25'17.80794"
20	T	336967.369	2441437.281	85°25'11.68167"
21	U	337114.489	2441765.815	85°25'16.69524"
22	V	337064.201	2442088.557	85°25'11.80600"
23	W	337513.901	2442025.574	85°25'30.53655"
24	X	337660.347	2441988.584	85°25'35.26228"
25	Y	337831.09	2441998.097	85°25'41.67514"
26	Z	338216.956	2441830.333	85°25'35.12788"
27	AA	338231.784	2441775.927	85°25'35.66442"
28	AB	338346.055	2441366.464	85°25'39.79719"
29	AC	337986.267	2441486.965	85°25'47.20409"
30	AD	338089.476	2441248.125	85°25'50.89003"
31	AE	338225.789	2440935.898	85°25'55.75400"
32	AF	338192.277	2440722.539	85°25'59.09713"
33	AG	338441.387	2440713.911	85°26'03.35615"
34	AH	338387.995	2440497.917	85°26'01.57125"
35	AI	338347.970	2440330.762	85°26'00.21676"
36	AJ	338203.829	2440278.045	85°25'57.11959"
37	AK	338031.246	2440250.768	85°25'49.21704"
38	AL	337811.090	2440217.242	85°25'41.55046"

DGPS CO-ORDINATES OF DIVERTED PILLARS				
SL. NO.	PILLAR ID	EASTING	NORTHING	LONGITUDE
1	1	337655.781	2441617.064	85°25'35.62809"
2	2	337835.774	2441379.152	85°25'31.60159"
3	3	338186.895	2440499.840	85°25'38.52442"

CO-ORDINATES OF R.F. PILLARS				
SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	RF1	337468.484	2441538.662	85°25'29.12493"
2	RF2	337466.015	2441561.072	85°25'29.03079"
3	RF3	337461.702	2441606.804	85°25'28.86322"
4	RF4	337449.618	2441720.241	85°25'28.40140"
5	RF5	337446.103	2441782.918	85°25'28.24623"
6	RF6	337431.893	2441908.181	85°25'27.71559"
7	RF7	337421.569	2442009.570	85°25'27.31868"
8	RF8	337380.737	2442035.247	85°25'25.88516"
9	RF9	337338.267	2442052.461	85°25'25.09512"
10	RF10	337320.325	2442074.401	85°25'23.78379"

CO-ORDINATES OF VILLAGE FOREST POINT				
SL. NO.	POINT ID	EASTING	NORTHING	LONGITUDE
1	VF-1	337220.474	2441371.185	85°25'28.81121"
2	VF-2	337228.153	2441392.924	85°25'28.84499"
3	VF-3	337233.093	2441423.637	85°25'28.88371"
4	VF-4	337215.639	2441435.679	85°25'28.24933"
5	VF-5	337214.882	2441441.250	85°25'28.30962"
6	VF-6	337161.410	2441461.159	85°25'19.45167"
7	VF-7	337202.729	2441701.210	85°25'19.76651"
8	VF-8	337157.418	2441745.645	85°25'18.26693"
9	VF-9	337154.028	2441761.453	85°25'18.45172"

DGPS Survey Conducted by

Agarwal

DIGITAL CARTOGRAPHY AND SERVICES (DCS) PVT.LTD.

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