

Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted within the Barambari Block (A) of Barambari Lease for Iron & Manganes Ore in Village Bandhubeda No. 50, Kundapas Sheet No. 58, Namita No. 59 & Palasa(Ka) No. 52 under Badli Tahsil of Champua Sub-division in Keonjhar District of Jharkhand State.



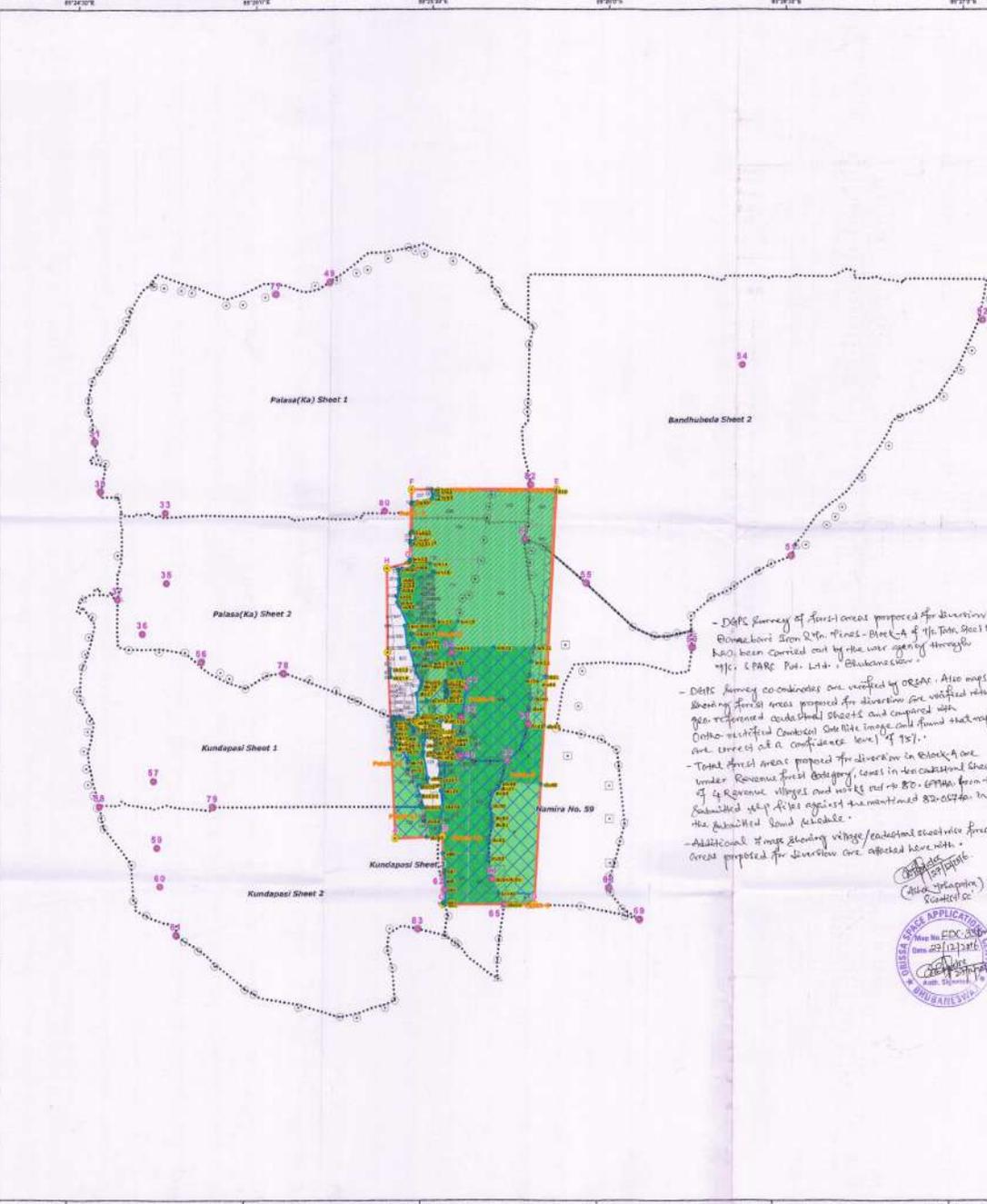
Table with 5 columns: S/No, Village Name, SPCDGS Observation, UTM Co-ordinates (Easting, Northing, Longitude, Latitude), and Geographic Co-ordinates (Easting, Northing, Longitude, Latitude). It lists various village names like Barambari, Kundapas, Namita, and Palasa with their respective coordinates.

Table titled 'LEASE PLAT COORDINATES OVER AN AREA 138.114 Ha.' with 5 columns: Pillar ID, Easting, Northing, Longitude, and Latitude. It provides specific coordinates for pillars A through H.

Official stamps and signatures. Includes 'COUNTY OFFICER' stamp, 'Divisional Forest Officer, Keonjhar Division', and 'Deputy District Officer, Keonjhar' signatures and stamps.

DGPS Survey Conducted and Map Prepared by:- Spatial Planning And Analysis Research Centre Pvt. Ltd., E/11, Infocity, Chandaka Industrial Estate, Bhubaneswar - 751024.

Main data table titled 'Area Statement of Block-A'. It contains columns for S/No, Village Name, Part, Plot No., Sub-area, Area, Remarks, EBMAN, Land Class, Sub Plot No., Safety Zone, and Remark. It lists numerous plots and their details across various village names.

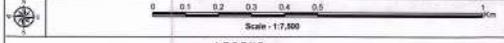


Handwritten notes in Odia. The first note discusses the DGPS survey of forest areas proposed for diversion in Barambari Iron O.R. Mines Block-A of the Tahsil Sheet No. 58, 59, and 60, carried out by the user agency through M/s. CAPRE Pvt. Ltd., Bhubaneswar. The second note states that DGPS survey coordinates are verified by ORSA. Also maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets and compared with other geo-referenced cadastral sheets image and found that map are correct at a confidence level of 95%. The third note mentions that the total forest area proposed for diversion in Block A under Revenue forest category, comes in the cadastral sheets of 4 Revenue villages and will add to 80.6796 Ha from the submitted map files against the mentioned 80.0000 Ha in the submitted land schedule. The fourth note states that additional 7 maps showing village/forest/road/river forest area proposed for diversion are attached here with a CD.



Map Showing DGPS Surveyed Co-ordinates and Boundary of Forest Area Proposed to be Diverted within the Jadibahal Block (B) of Bamebari Lease for Iron & Manganese Ore in Village Jadibahal No. 51 & Jajanga No. 42 under Baddhi Tahsil of Champua Sub-division in Keonjhar District of M/s Tata Steel Ltd.

Keonjhar Forest Division, ODISHA



LEGEND

- DGPS Observation in Forest Pillar
- Lease Pillar
- SCDGPS Observation Point
- Trisimal
- Dostmal
- Square
- ▭ M. Boundary
- ⋯ Village Boundary
- ▭ Forest Plot Boundary
- ▭ Safety Zone
- ▭ Asking Area
- ▭ Diverted Area
- ▭ KF
- ▭ DLC
- ▭ Sabik Forest

DGPS Observation Pillar Co-ordinates

Village Name	SCPDGPS Observation Id	UTM Co-ordinates Easting	UTM Co-ordinates Northing	Geographic Co-ordinates Longitude	Geographic Co-ordinates Latitude
Jadibahal 51	4	334807.022	2425000.617	85°24'7.57492"E	N22°55'46.76542"N
	47	336598.021	2425017.272	85°25'4.004"E	N22°55'47.85648"N
	63	335096.546	2426613.889	85°24'11.62718"E	N22°59'59.9204"N
	66	335282.533	2427027.365	85°24'25.64239"E	N22°59'23.33867"N
	67	336185.325	2426572.486	85°24'49.78332"E	N22°59'02.00472"N
Jadibahal 52	75	335759.917	2426823.932	85°24'34.86806"E	N22°56'17.852288"N
	1	335103.726	2425400.319	85°24'12.51756"E	N22°55'30.546012"N
	3	334955.075	2425679.617	85°24'7.28642"E	N22°55'35.267216"N
	45	336486.973	2425889.238	85°25'0.54864"E	N22°55'46.907904"N
	46	336441.754	2425560.818	85°24'59.38188"E	N22°55'36.215076"N
Jajanga 53	48	336543.058	2425233.732	85°25'2.73084"E	N22°55'25.614768"N
	71	336655.044	2424044.213	85°24'18.80397"E	N22°55'15.903228"N
	25	336730.283	2427487.761	85°25'8.444928"E	N22°56'38.963096"N
	26	336684.123	2427170.206	85°25'5.95044"E	N22°56'28.632122"N
	27	338111.157	2427368.238	85°25'36.959384"E	N22°56'35.338576"N

ORISAS SURVEYED PILLAR COORDINATES

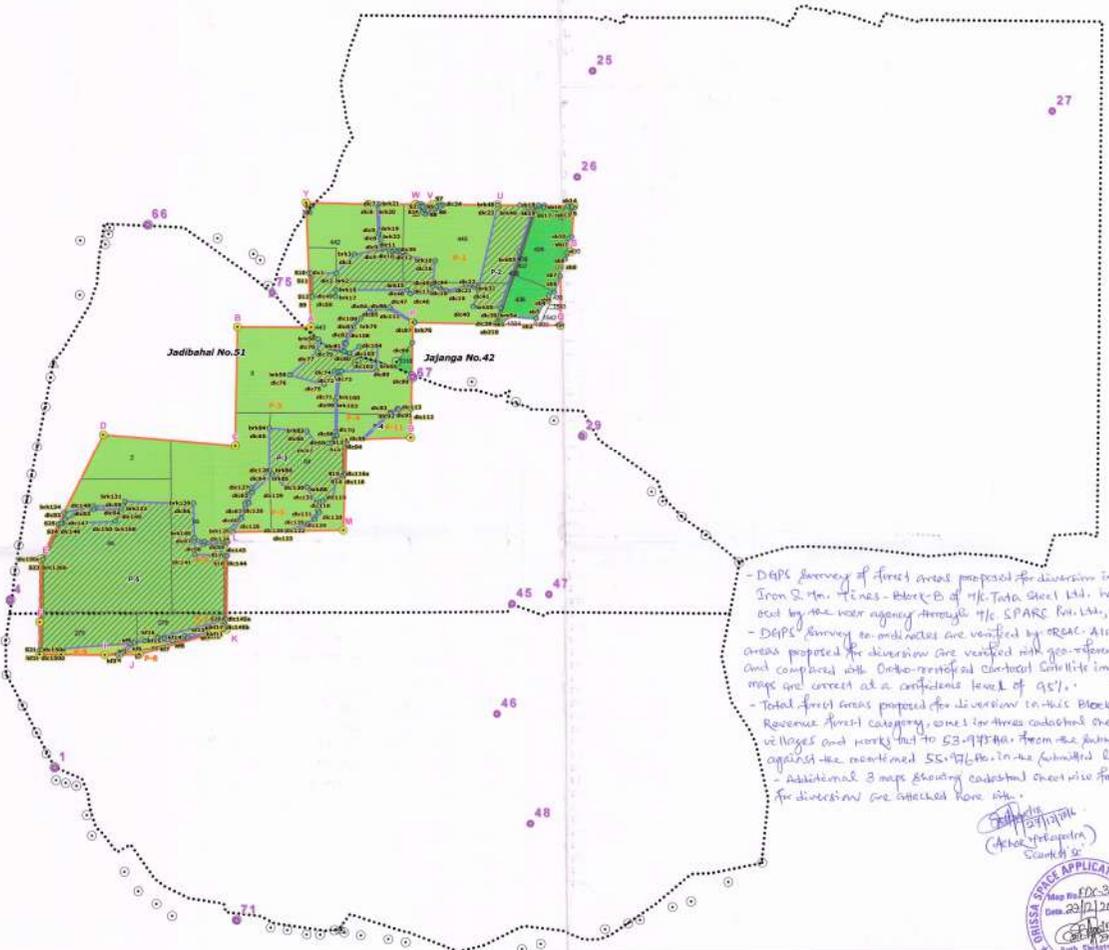
Pillar Id	Longitude	Latitude	Easting	Northing
A	85°24'38.9998"	21°56'13.7024"	335877.40320	2428178.88888
B	85°24'31.2972"	21°56'13.86984"	336005.23562	2428170.02813
C	85°24'21.16718"	21°56'02.89988"	335848.87276	2428365.18974
D	85°24'17.20382"	21°56'00.04252"	335748.58679	2428366.33514
E	85°24'10.72827"	21°55'50.77322"	335599.59419	2428022.92381
F	85°24'10.74840"	21°55'54.63740"	335507.47103	2428034.22997
G	85°24'10.79789"	21°55'41.82992"	335008.72289	2425739.52865
H	85°24'10.02288"	21°55'41.83817"	335122.04461	2425737.91883
I	85°24'17.85524"	21°55'41.81265"	335254.66407	2425736.27073
J	85°24'50.33099"	21°55'42.15938"	335399.03867	2425754.55004
K	85°24'50.45793"	21°55'44.11580"	335622.86477	2425812.30082
L	85°24'30.49499"	21°55'53.63792"	335828.96706	2425105.13861
M	85°24'42.89713"	21°55'53.83948"	335876.32274	2425115.78883
N	85°24'42.88652"	21°55'52.88318"	335865.47688	2425086.09115
O	85°24'49.65320"	21°56'03.13834"	336178.71780	2425391.52066
P	85°24'49.71480"	21°56'14.32010"	336185.03938	2426738.49406
Q	85°24'05.31172"	21°56'14.14547"	336032.51066	2426728.49888
R	85°24'05.18178"	21°56'18.44107"	336050.58667	2426889.87533
S	85°24'05.33824"	21°56'21.31230"	336054.26688	2426945.68771
T	85°24'05.64578"	21°56'25.81947"	336074.60651	2427084.12889
U	85°24'50.45001"	21°56'25.82639"	336440.42660	2427808.82655
V	85°24'51.80297"	21°56'25.83427"	336444.60508	2427898.03949
W	85°24'49.67209"	21°56'25.84790"	336183.22681	2427898.97518
X	85°24'44.85428"	21°56'25.84808"	336050.09662	2427896.23310
Y	85°24'38.34383"	21°56'25.84133"	335962.44348	2427893.20203

- DGPS survey of forest areas proposed for diversion in Bamebari Iron S.M. Lines - Block B of M/s Tata Steel Ltd. has been carried out by the local agency through the SPARS Pvt. Ltd., Bhubaneswar.

- DGPS survey co-ordinates are verified by ORISAS maps showing forest areas proposed for diversion are verified with geo-referenced aerial photos and compared with Ortho-rectified cartosat satellite image and found that maps are correct at a confidence level of 95%.

- Total forest areas proposed for diversion in this Block B are under Revenue forest category comes in three sub-blocks of Iron Revenue villages and nearby to S3-ATTA from the submitted application against the mentioned S3-ATTA in the submitted land schedule.

- Additional 3 maps showing ecological check wise forest areas proposed for diversion are attached here with.



Area Statement of Block-B

Sl No	Village Name	Patch	Hal Plot No	Proposed Area	Map Area	REMARK	CLASS	Land Class	Remarks	Sabik Plot	Sabik		
				Acres	Hectare	Acres	Hectare			No.	Kissam		
1	Jadibahal 51	Patch-6	3(P)	7.150	2.873	7.433	3.307	Part-2	DLC Forest	Asking Area	1	Jungle	
2		Patch-5/7	3(P)	22.562	9.131	22.869	9.303	Part-2	DLC Forest	Asking Area	1	Jungle	
3		Patch-6/7/8/9	64(P)	15.741	6.370	13.820	6.633	Part-2	DLC Forest	Asking Area	1	Jungle	
4		Patch-6/9/11/13	85(P)	23.206	9.468	6.163	2.454	Part-2	DLC Forest	Safety Zone	1	Jungle	
5		Patch-6/10/11	86(P)	8.433	3.413	6.876	2.783	Part-2	DLC Forest	Asking Area	1	Jungle	
6	Jadibahal 52	Patch-14/15	67/275(P)	0.538	0.218	0.544	0.218	Jungle	Forest	Asking Area	94	Jungle	
7		Patch-15/16	67/276(P)	0.077	0.031	1.600	0.647	Jungle	Forest	Safety Zone	94	Jungle	
8			436	3.240	1.311	3.185	1.263	Rakati	Sabik forest	Sabik Forest	354	Jungle	
9			428/1266(P)	0.100	0.040	0.099	0.040	Ghanbari	Sabik forest	Sabik Forest	353	Jungle	
10			428/1267(P)	0.010	0.004	0.045	0.018	Ghanbari	Sabik forest	Sabik Forest	353	Jungle	
11	Patch-1	428/1268(P)	0.100	0.040	0.111	0.045	Ghanbari	Sabik forest	Sabik Forest	353	Jungle		
12			428(P)	0.420	0.170	0.386	0.148	Ghanbari	Sabik forest	Sabik Forest	353	Jungle	
13			428(P)	6.166	3.302	6.676	2.701	Ghanbari	Sabik forest	Sabik Forest	353	Jungle	
14			428/1265(P)	0.020	0.008	0.025	0.010	Ghanbari	Sabik forest	Sabik Forest	353	Jungle	
15			428/1262(P)	0.090	0.036	0.135	0.054	Ghanbari	Sabik forest	Sabik Forest	353/12/1266	Jungle	
16			436(P)	0.900	0.343	0.291	0.118	Rakati	Sabik forest	Sabik Forest	353, 354	Jungle	
17			436(P)	0.400	0.162	0.330	0.134	Rakati	Sabik forest	Sabik Forest	353, 354	Jungle	
18			436(P)	0.500	0.202	0.327	0.132	Rakati	Sabik forest	Sabik Forest	353, 354	Jungle	
19			Patch-3	440(P)	13.093	5.299	0.123	0.050	Part-2	DLC Forest	Asking Area	353, 354	Jungle
20			Patch-3	440(P)	0.500	0.202	0.089	0.036	Part-2	DLC Forest	Asking Area	353, 354	Jungle
21	Jajanga 53	Patch-4	440/1306(P)	0.020	0.008	0.037	0.015	Ghanbari	Sabik forest	Sabik Forest	353/14/1267	Jungle	
22		Patch-1/3/4	442(P)	6.819	3.509	10.231	4.140	Part-2	DLC Forest	Asking Area	353, 354	Jungle	
23		Patch-1/2/3	443(P)	23.801	9.632	20.397	8.255	Part-2	DLC Forest	Asking Area	354	Jungle	
24		Patch-2	443/1318(P)	1.250	0.506	0.166	0.066	Ghanbari	Sabik forest	Sabik Forest	354	Jungle	
Total Area				138.321	66.978	133.978	63.978						

COUNTERSIGNED

[Signature]
Divisional Forest Officer
Keonjhar District

[Signature]
Forest Range Officer
Champa Range

[Signature]
Forest Range Officer
Champa Range

[Signature]
Chief Surveyor
Orissa State Survey Department

[Signature]
Deputy Director Mines
Joda, Dist. Keonjhar

DGPS Survey Conducted and Map Prepared by :-
Spatial Planning And Analysis Research Centre Pvt. Ltd.,
E/11, Infocity, Chandaka Industrial Estate,
Bhubaneswar - 751024.