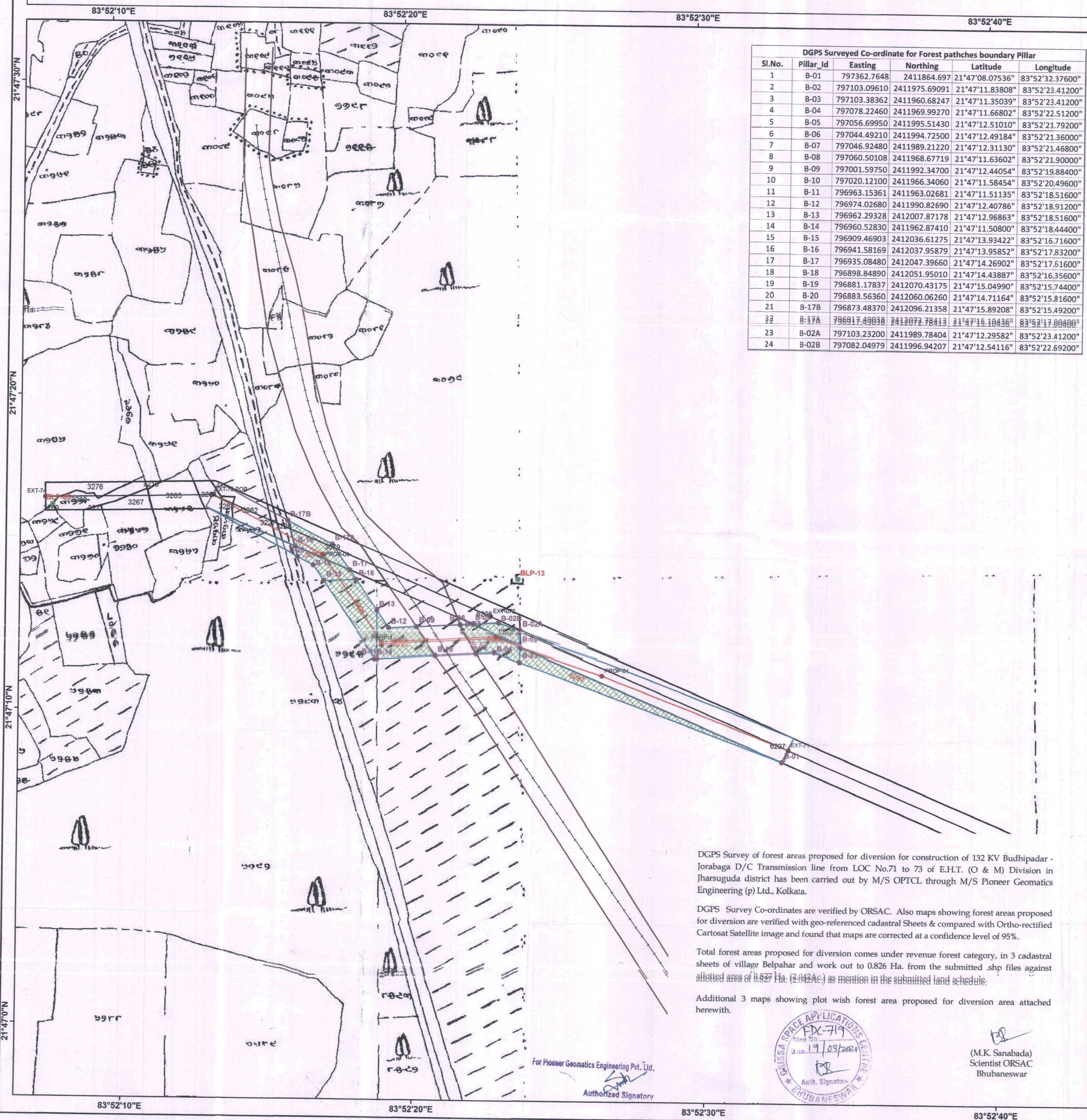
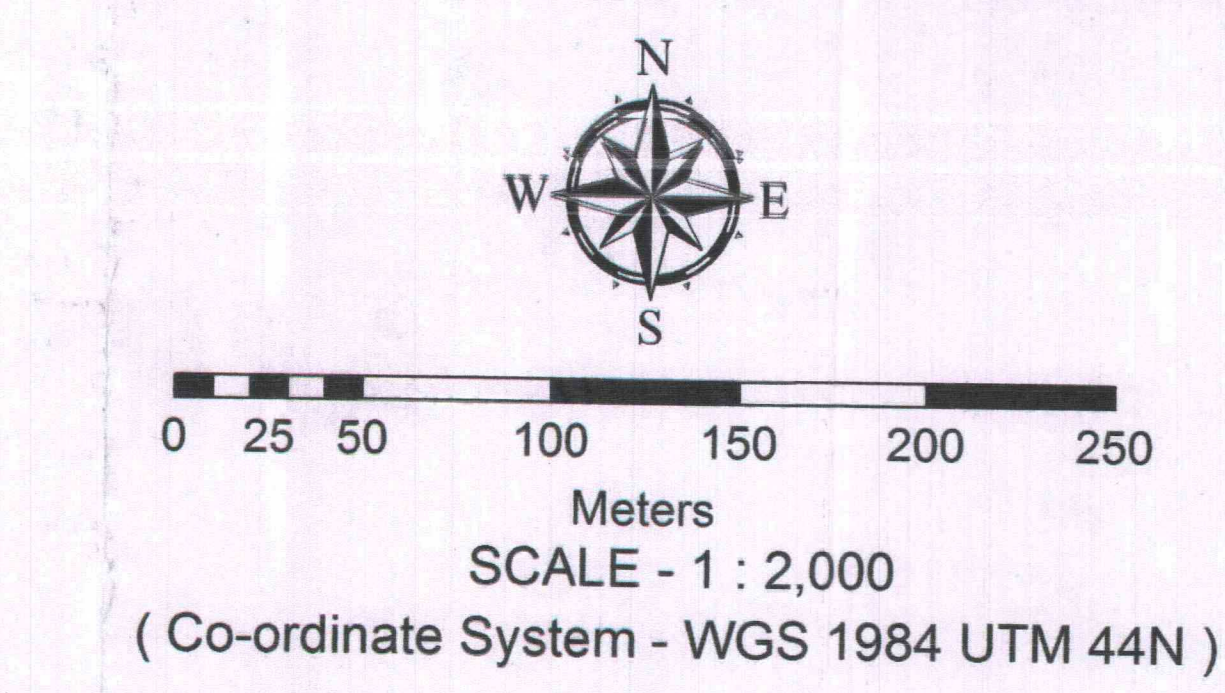


DGPS Composite Map showing the forest area proposed for diversion from LOC No 71-73 at Village -Belpahar in Jharsuguda District for OPTCL in lieu of already diverted 11.012Ha. forest land of existing 132KV EHT line from Budhipadar to Jorabaga.



DGPS Surveyed Co-ordinate for Forest patches boundary Pillar

Sl.No.	Pillar_id	Easting	Northing	Latitude	Longitude
1	B-01	797362.7648	2411864.697	21°47'08.07536\"	83°52'32.37600\"
2	B-02	797103.09610	2411975.69091	21°47'11.83808\"	83°52'23.41200\"
3	B-03	797103.38362	2411960.68247	21°47'11.35039\"	83°52'23.41200\"
4	B-04	797078.22460	2411969.99270	21°47'11.66802\"	83°52'22.51200\"
5	B-05	797056.69950	2411995.51430	21°47'12.51010\"	83°52'21.79200\"
6	B-06	797044.49210	2411994.72500	21°47'12.49184\"	83°52'21.36000\"
7	B-07	797046.92480	2411989.21220	21°47'12.31130\"	83°52'21.46800\"
8	B-08	797060.50108	2411968.67719	21°47'11.63602\"	83°52'21.90000\"
9	B-09	797001.59750	2411992.34700	21°47'12.44054\"	83°52'19.88400\"
10	B-10	797020.12100	2411966.34060	21°47'11.58454\"	83°52'20.49600\"
11	B-11	796963.15361	2411963.02681	21°47'11.51135\"	83°52'18.51600\"
12	B-12	796974.02680	2411990.82690	21°47'12.40786\"	83°52'18.91200\"
13	B-13	796962.29328	2412007.87178	21°47'12.96863\"	83°52'18.51600\"
14	B-14	796960.52830	2411962.87410	21°47'11.50800\"	83°52'18.44400\"
15	B-15	796909.46903	2412036.61275	21°47'13.93422\"	83°52'16.71600\"
16	B-16	796941.58169	2412037.95879	21°47'13.95852\"	83°52'17.83200\"
17	B-17	796935.08480	2412047.39660	21°47'14.26902\"	83°52'17.61600\"
18	B-18	796898.84890	2412051.95010	21°47'14.43887\"	83°52'16.35600\"
19	B-19	796881.17837	2412070.43175	21°47'15.04990\"	83°52'15.74400\"
20	B-20	796883.56360	2412060.06260	21°47'14.71164\"	83°52'15.81600\"
21	B-17B	796873.48370	2412096.21358	21°47'15.89208\"	83°52'15.49200\"
22	B-17A	796817.49038	2412072.78413	21°47'15.10436\"	83°52'17.00400\"
23	B-02A	797103.23200	2411989.78404	21°47'12.29582\"	83°52'23.41200\"
24	B-02B	797082.04979	2411996.94207	21°47'12.54116\"	83°52'22.69200\"



DGPS Surveyed Co-ordinate used for georeferencing of Cadastral sheets

SL_NO	POINT_ID	LATITUDE	LONGITUDE	EASTING	NORTHING
1	BLP-01	21° 48' 30.06311\"	83° 51' 22.69907\"	795313.91330	2414350.52480
2	BLP-02	21° 48' 27.70845\"	83° 52' 20.44305\"	796974.65200	2414308.90790
3	BLP-03	21° 47' 42.23010\"	83° 52' 16.07919\"	796875.31510	2412907.04200
4	BLP-04	21° 47' 29.89032\"	83° 51' 37.50616\"	795773.78290	2412506.70190
5	BLP-05	21° 47' 16.46580\"	83° 52' 07.44619\"	796641.95410	2412109.56730
6	BLP-05A	21° 47' 16.51624\"	83° 51' 53.73686\"	796247.90380	2412103.79560
7	BLP-06	21° 47' 16.61696\"	83° 51' 35.58153\"	795726.04290	2412097.21130
8	BLP-07	21° 47' 12.60962\"	83° 51' 29.21288\"	795545.28700	2411970.49930
9	BLP-08	21° 47' 09.93414\"	83° 52' 04.84783\"	796571.01160	2411907.17710
10	BLP-09	21° 46' 46.38860\"	83° 52' 15.05505\"	796877.86700	2411188.05670
11	BLP-10	21° 46' 42.19180\"	83° 51' 48.39768\"	796114.05610	2411044.66890
12	BLP-11	21° 46' 33.99582\"	83° 52' 16.04676\"	796913.46788	2411887.21888
13	BLP-11A	21° 46' 26.04111\"	83° 51' 57.31609\"	796379.62850	2410552.41730
14	BLP-12	21° 46' 18.33560\"	83° 51' 30.65744\"	795617.74820	2410301.08270
15	BLP-12A	21° 46' 10.77064\"	83° 51' 48.54570\"	796136.25180	2410077.81530
16	BLP-13	21° 47' 13.92413\"	83° 52' 23.34860\"	797100.46560	2412039.85900
17	BLP-14	21° 47' 11.81409\"	83° 52' 56.31831\"	798049.27690	2411992.60550
18	BLP-15	21° 46' 47.77745\"	83° 53' 09.77193\"	798449.79550	2411260.13790
19	BLP-16	21° 46' 46.75666\"	83° 52' 31.48106\"	797349.78740	2411208.17520
20	BLP-17	21° 46' 29.08782\"	83° 53' 17.83879\"	798692.42800	2410689.32610
21	BLP-17A	21° 46' 34.72182\"	83° 53' 01.18633\"	798210.52780	2410853.75360
22	BLP-18	21° 46' 32.68133\"	83° 52' 30.32923\"	797324.75120	2410774.41050

DGPS Surveyed Co-ordinate for Tower Location

SL NO	LATITUDE	LONGITUDE	ELIP_HGT	EASTING	NORTHING	ORTHO DATA	POINT_ID
1	21° 47' 10.89372\"	83° 52' 26.20502\"	157.4561	797184.3006	2411948.132	218.1456	PROP-01
2	21° 47' 12.10061\"	83° 52' 22.60448\"	158.756	797080.1239	2411983.344	219.4472	PROP-2
3	21° 47' 11.95513\"	83° 52' 18.67542\"	155.6882	796967.2802	2411976.765	216.382	PROP-3
4	21° 47' 14.77309\"	83° 52' 16.67748\"	152.0622	796908.2422	2412062.414	212.7558	PROP-04
5	21° 47' 08.45851\"	83° 52' 32.59000\"	158.3948	797369.2354	2411876.613	219.0713	EXT-072
6	21° 47' 12.74057\"	83° 52' 22.41132\"	161.5079	797074.2053	2412002.935	222.1989	EXT-072
7	21° 47' 16.73452\"	83° 52' 12.90393\"	148.8846	796798.6619	2412120.755	209.6796	EXT-73-POP
8	21° 47' 16.69983\"	83° 52' 07.20552\"	145.883	796634.9029	2412116.641	206.5816	EXT-74
9	21° 47' 04.78000\"	83° 52' 41.33400\"	160.5079	797622.6561	2411768.107	218.0713	EXT-70

Area Statistics of Forest area

Sl_No	Khata_No	Plot_No	Kissam	Allotted_Ac	Allotted_Ha	Maparea_Ha
1	1267	6296	Bada Jungle	0.699	0.283	0.283
2	1267	6295	Bada Jungle	0.437	0.177	0.177
3	1267	3079	Bada Jungle	0.427	0.173	0.173
4	1267	6297	Bada Jungle	0.479	0.194	0.193
Total				2.042	0.827	0.826

- Legend:**
- DGPS Surveyed Co-ordinate for georeferencing of Cadastral Sheets.
 - DGPS Surveyed Co-ordinate for Existing Tower Location.
 - DGPS Surveyed Co-ordinate for Proposed Tower Location.
 - Derived Co-ordinate for Forest Pillars
 - Center Line of Existing Transmission Line.
 - Center Line of Proposed Transmission Line.
 - Center Line of Existing Railway Line.
 - Corridor of Existing Transmission Line
 - Corridor of Proposed Transmission Line
 - Corridor of Existing Railway Line
 - Mouza Boundary
 - Revenue Forest Patch

DGPS Survey of forest areas proposed for diversion for construction of 132 KV Budhipadar - Jorabaga D/C Transmission line from LOC No.71 to 73 of E.H.T. (O & M) Division in Jharsuguda district has been carried out by M/S OPTCL through M/S Pioneer Geomatics Engineering (p) Ltd., Kolkata.

DGPS Survey Co-ordinates are verified by ORSAC. Also maps showing forest areas proposed for diversion are verified with geo-referenced cadastral Sheets & compared with Ortho-rectified Cartosat Satellite image and found that maps are corrected at a confidence level of 95%.

Total forest areas proposed for diversion comes under revenue forest category, in 3 cadastral sheets of village Belpahar and work out to 0.826 Ha. from the submitted .shp files against allotted area of 0.827 Ha. (2.042Ac.) as mention in the submitted land schedule.

Additional 3 maps showing plot wish forest area proposed for diversion area attached herewith.

For Pioneer Geomatics Engineering Pvt. Ltd.
Authorized Signatory



(M.K. Sanabada)
Scientist ORSAC
Bhubaneswar

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TAHASILDAR
LAKHANPUR

Forest Range Officer
Brajrajnagar Forest Range