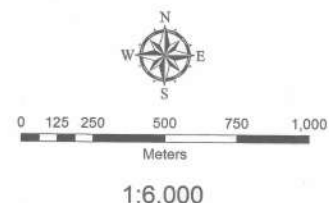
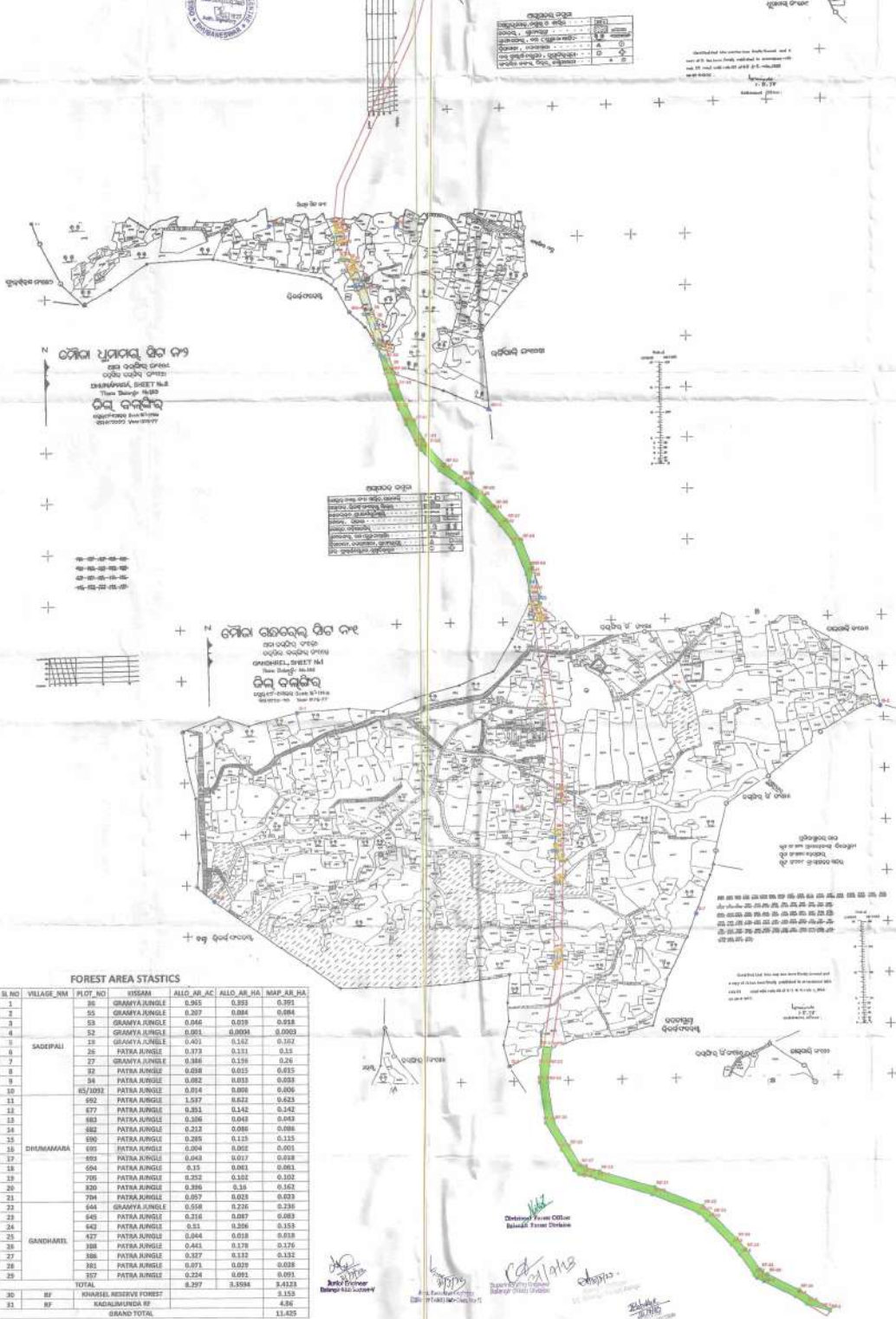


# INDEX MAP SHOWING DGPS SURVEYED FOREST AREAS IN BOLANGIR FOREST DIVISION PROPOSED FOR DIVERSION FOR CONSTRUCTION OF BOLANGIR BY-PASS ROAD UNDER BOLANGIR R&B DIVISION, BOLANGIR DISTRICT.

- DGPS Survey of forest areas proposed for diversion for construction of Bolangir By-pass Road in Bolangir District has been carried out by the Executive Engineer, Bolangir (R&B) Division through M/S. Bhumi Investigation Research & Design, Bhubaneswar, Odisha.
- DGPS Survey co-ordinates are verified by ORSAC. Also maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets (for revenue forest areas) compared with Ortho-rectified Cartosat Satellite Image and surveyed points (for R.F. patch) and found that maps are correct at a confidence level of 95%.
- All the forest areas proposed for diversion comes in Three cadastral sheets of Three Revenue villages and Two patches in R.F. (One patch each in Kadamunda R.F. & Kharsel R.F.). Total forest areas proposed for diversion works out to 11,425 Ha. Includes 3,4123 Ha. Revenue forest areas and 8,013 Ha. R.F. area from the submitted .shp files against the allotted area of 3,3594 Ha. (8,297 Ac.) Revenue forest area as mentioned in the submitted land schedule.
- Additional five maps showing cadastral sheet wise Revenue forest area and patch wise R.F. areas proposed for diversion is attached herewith.



- ### Legend
- DGPS SURVEYED FOREST FOREST PILLARS
  - DGPS SURVEYED GEO-REF COORDINATES
  - DERIVED FOREST PILLAR POINTS
  - REVENUE FOREST PATCHES
  - RESERVE FOREST-PATCHES
  - BYPASS ROAD-CORRIDOR

### DGPS SURVEYED POINTS USED FOR GEO-REFERENCING

SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	S-2	83°27'05.778977"	20°43'33.20489"	755299.114	2294600.56
2	S-3	83°27'01.459607"	20°43'43.147119"	755184.849	2294600.519
3	S-5	83°27'36.08945"	20°43'55.95784"	756180.082	2294638.807
4	S-6	83°27'12.940121"	20°43'24.49509"	755224.811	2294680.749
5	S-7	83°27'09.59988"	20°43'40.12002"	755420.851	2293959.95
6	dm-1	83°26'26.022177"	20°42'46.29779"	754183.568	2292355.915
7	dm-2	83°26'36.457227"	20°42'37.51882"	755025.623	2291644.48
8	dm-4	83°26'36.457227"	20°42'37.51882"	755025.623	2291644.48
9	DM-5	83°26'42.43366"	20°42'46.51835"	754606.613	2292360.65
10	F-27	83°26'42.23730"	20°42'29.74750"	754661.652	2291783.125
11	G-1	83°26'29.72262"	20°41'45.98102"	754319.713	2290431.295
12	G-2	83°27'45.60279"	20°41'47.13504"	756515.689	2290500.04
13	G-3	83°27'57.51624"	20°41'30.49720"	755145.344	2289044.24
14	G-4	83°27'18.45984"	20°41'48.39024"	755238.664	2290517.487
15	G-6	83°26'58.03091"	20°41'33.34736"	755145.012	2290005.02
16	G-7	83°27'21.72073"	20°41'20.27509"	755836.889	2288663.262
17	G-8	83°26'19.00401"	20°41'21.73573"	754020.665	2289680.78

### RESERVE FOREST PILLAR COORDINATES

SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	R-1	83°27'05.778977"	20°43'33.20489"	755299.114	2294600.56
2	R-2	83°27'01.459607"	20°43'43.147119"	755184.849	2294600.519
3	R-3	83°27'36.08945"	20°43'55.95784"	756180.082	2294638.807
4	R-4	83°27'12.940121"	20°43'24.49509"	755224.811	2294680.749
5	R-5	83°27'09.59988"	20°43'40.12002"	755420.851	2293959.95
6	R-6	83°26'26.022177"	20°42'46.29779"	754183.568	2292355.915
7	R-7	83°26'36.457227"	20°42'37.51882"	755025.623	2291644.48
8	R-8	83°26'36.457227"	20°42'37.51882"	755025.623	2291644.48
9	R-9	83°26'42.43366"	20°42'46.51835"	754606.613	2292360.65
10	R-10	83°26'42.23730"	20°42'29.74750"	754661.652	2291783.125
11	R-11	83°26'29.72262"	20°41'45.98102"	754319.713	2290431.295
12	R-12	83°27'45.60279"	20°41'47.13504"	756515.689	2290500.04
13	R-13	83°27'57.51624"	20°41'30.49720"	755145.344	2289044.24
14	R-14	83°27'18.45984"	20°41'48.39024"	755238.664	2290517.487
15	R-15	83°26'58.03091"	20°41'33.34736"	755145.012	2290005.02
16	R-16	83°27'21.72073"	20°41'20.27509"	755836.889	2288663.262
17	R-17	83°26'19.00401"	20°41'21.73573"	754020.665	2289680.78

### DERIVED CO-ORDINATES OF FOREST PATCHES

SL NO	LONGITUDE	LATITUDE	EASTING	NORTHING
1	83°27'05.778977"	20°43'33.20489"	755299.114	2294600.56
2	83°27'01.459607"	20°43'43.147119"	755184.849	2294600.519
3	83°27'36.08945"	20°43'55.95784"	756180.082	2294638.807
4	83°27'12.940121"	20°43'24.49509"	755224.811	2294680.749
5	83°27'09.59988"	20°43'40.12002"	755420.851	2293959.95
6	83°26'26.022177"	20°42'46.29779"	754183.568	2292355.915
7	83°26'36.457227"	20°42'37.51882"	755025.623	2291644.48
8	83°26'36.457227"	20°42'37.51882"	755025.623	2291644.48
9	83°26'42.43366"	20°42'46.51835"	754606.613	2292360.65
10	83°26'42.23730"	20°42'29.74750"	754661.652	2291783.125
11	83°26'29.72262"	20°41'45.98102"	754319.713	2290431.295
12	83°27'45.60279"	20°41'47.13504"	756515.689	2290500.04
13	83°27'57.51624"	20°41'30.49720"	755145.344	2289044.24
14	83°27'18.45984"	20°41'48.39024"	755238.664	2290517.487
15	83°26'58.03091"	20°41'33.34736"	755145.012	2290005.02
16	83°27'21.72073"	20°41'20.27509"	755836.889	2288663.262
17	83°26'19.00401"	20°41'21.73573"	754020.665	2289680.78

**SURVEYED & PREPARED**

**BY**

**BHUMI INVESTIGATION RESEARCH & DESIGN**  
BHUBANESWAR

FOREST AREA STATISTICS						
SL NO	VILLAGE_NM	PLOT_NO	REVENUE	ALLO.AL.AC	ALLO.AL.HA	MAP.AL.HA
1	SADAPALI	36	GRAMYA JUNGLE	0.365	0.835	0.395
2		55	GRAMYA JUNGLE	0.207	0.484	0.484
3		53	GRAMYA JUNGLE	0.046	0.019	0.018
4		52	GRAMYA JUNGLE	0.001	0.000	0.000
5		16	GRAMYA JUNGLE	0.403	0.162	0.162
6		25	PATRA JUNGLE	0.173	0.111	0.111
7		27	GRAMYA JUNGLE	0.186	0.158	0.158
8		32	PATRA JUNGLE	0.038	0.015	0.015
9		34	PATRA JUNGLE	0.082	0.033	0.033
10		85/1092	PATRA JUNGLE	0.014	0.006	0.006
11	DHUMAMARA	692	PATRA JUNGLE	1.017	0.622	0.623
12		677	PATRA JUNGLE	0.851	0.142	0.142
13		682	PATRA JUNGLE	0.106	0.043	0.043
14		682	PATRA JUNGLE	0.112	0.086	0.086
15		690	PATRA JUNGLE	0.285	0.113	0.113
16		691	PATRA JUNGLE	0.004	0.002	0.001
17		692	PATRA JUNGLE	0.043	0.017	0.018
18		694	PATRA JUNGLE	0.13	0.061	0.061
19		705	PATRA JUNGLE	0.252	0.102	0.102
20		720	PATRA JUNGLE	0.096	0.19	0.192
21	GANDHARI	704	PATRA JUNGLE	0.097	0.19	0.192
22		644	GRAMYA JUNGLE	0.058	0.023	0.023
23		640	PATRA JUNGLE	0.216	0.087	0.083
24		640	PATRA JUNGLE	0.15	0.394	0.151
25		627	PATRA JUNGLE	0.044	0.018	0.018
26		388	PATRA JUNGLE	0.441	0.179	0.176
27		388	PATRA JUNGLE	0.177	0.112	0.112
28		383	PATRA JUNGLE	0.071	0.029	0.028
29		307	PATRA JUNGLE	0.224	0.091	0.091
30		TOTAL		8.797	3.3994	3.4123
31	RF	KADAMUNDA RESERVE FOREST			3.155	
32	RF	KHARSEL RESERVE FOREST			4.86	
33		GRAND TOTAL			11.425	