INDEX MAP SHOWING DGPS SURVEYED FOREST AREAS PROPOSED FOR DIVERSION FOR WIDENING FROM TWO LANE TO TWO LANE WITH PAVED SHOULDER FROM 269/300 KM TO 328/200 KM. INCLUDING KUCHINDA BYPASS OF N.H-49 (JHARSUGUDA TO BHOJPUR SECTION), JHARSUGUDA DISTRICT.

SCALE-1:20,000

Meters
500 250 0 500 1,000 1,500 2,000 2,500

N
W E
S
KUNDRAPALI (SHEET-1)
SIRIAPALI (SHEET-1)
SIRIAPALI (SHEET-1)
SIRIAPALI (SHEET-1)
SIRIAPALI R.F
SIRIAPALI (SHEET-1)
PATRAPALI (SHEET-1)
PATRAPALI (SHEET-1)
PARMANPUR (SHEET-1)
PARMANPUR (SHEET-1)
RAGHUNATHAPALI (SHEET-1)
DASMARDA (SHEET-1)
KOLABIRA (SHEET-1)
KOLABIRA (SHEET-2)
SANTASPALI
BARBAHAL (SHEET-2)
KUNDRUSINGHA (SHEET-1)
PUKHURASALE (SHEET-1)
PUKHURASALE (SHEET-2)
LUDUNGA (SHEET-1)
GARHAPALI (SHEET-1)
LARIAPALI (SHEET-1)
KHANDAKATA (SHEET-1)
JUNANI (SHEET-1)

DGPS OBSERVATION CO-ORDINATES OF ROAD CENTER POINT

DGPS OBSERVATION CO-ORDINATES OF ROAD CENTER POINT

DGPS OBSERVATION CO-ORDINATES OF ROAD CENTER POINT

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT

DERIVED CO-ORDINATES OF VILLAGE FOREST POINT

DGPS OBSERVATION CO-ORDINATES OF R.F. PILLARS

SL.NO	POINT ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	Rf-1	199619.753	2416554.429	E84°05'39.61866"	N21°49'38.57622"
2	Rf-2	199609.442	2416580.910	E84°05'39.24253"	N21°49'39.43007"
3	Rf-3	199652.132	2416538.275	E84°05'40.75570"	N21°49'38.07133"
4	Rf-4	199660.115	2416554.332	E84°05'41.02290"	N21°49'38.59780"
5	Rf-5	199696.644	2416520.485	E84°05'42.31595"	N21°49'37.52073"
6	Rf-6	199702.437	2416537.989	E84°05'42.50597"	N21°49'38.09288"
7	Rf-7	199756.730	2416505.698	E84°05'44.41600"	N21°49'37.07725"
8	Rf-8a	199760.514	2416522.833	E84°05'44.53642"	N21°49'37.63613"
9	Rf-9	199857.779	2416481.750	E84°05'47.94718"	N21°49'36.36123"
10	Rf-10	199861.363	2416499.329	E84°05'48.06033"	N21°49'36.93445"
11	Rf-11	199941.785	2416464.365	E84°05'50.88113"	N21°49'35.84795"
12	Rf-12	199945.629	2416481.951	E84°05'51.00332"	N21°49'36.42157"
13	Rf-13	199977.777	2416455.858	E84°05'52.13883"	N21°49'35.59365"
14	Rf-14	199982.205	2416473.345	E84°05'52.28141"	N21°49'36.16440"
15	Rf-15	200062.625	2416432.966	E84°05'55.10567"	N21°49'34.90198"
16	Rf-16	200067.445	2416451.059	E84°05'55.26150"	N21°49'35.49266"
17	Rf-17	200119.789	2416418.668	E84°05'57.10376"	N21°49'34.47255"
18	Rf-18	200124.828	2416436.092	E84°05'57.26765"	N21°49'35.04160"
19	Rf-19	200181.883	2416397.679	E84°05'59.27772"	N21°49'33.82873"
20	Rf-20	200188.295	2416414.699	E84°05'59.48966"	N21°49'34.38553"
21	Rf-21	200261.090	2416364.659	E84°06'02.05492"	N21°49'32.80460"
22	Rf-22	200267.761	2416381.951	E84°06'02.27568"	N21°49'33.37038"
23	Rf-23	200335.716	2416335.436	E84°06'04.67027"	N21°49'31.90099"
24	Rf-24	200342.010	2416352.631	E84°06'04.87798"	N21°49'32.46340"
25	Rf-25	200438.310	2416298.256	E84°06'08.26382"	N21°49'30.75598"
26	Rf-26	200443.753	2416315.320	E84°06'08.44200"	N21°49'31.31359"
27	Rf-27	200510.139	2416273.923	E84°06'10.77864"	N21°49'30.00947"
28	Rf-28	200514.283	2416291.962	E84°06'10.91097"	N21°49'30.59797"

DGPS survey of forest areas proposed for diversion for widening from two lane to two lane with paved shoulder of N.H.-49 (Jharsuguda-Bhojpur Section) coming under Jharsuguda Forest Division, Jharsuguda District has been carried out by the Executive Engineer, N.H. Division, Jharsuguda through M/s Maptech Solutions Pvt. Ltd., Bhubaneswar.

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

All the forest areas proposed for diversion comes in 7 Cadastral sheets of 7 Revenue villages and one patch in Siriapali R.F.
Total forest area proposed for diversion works out to 5.927 Ha. includes 4.212 Ha.Revenue forest area and 1.715 Ha. R.F. area from the submitted .shp files against allotted area of (4.251 Ha. Revenue forest area) as mentioned in the submitted land schedule.

Additional 8 no. of map sheets showing Cadastral sheet wise Revenue forest area and patch wise R.F areas proposed for diversion are attached here with.

20/11/2018
(Ashok Mohapatra)
Scientist 'SC'

ORISSA SPACE APPLICATIONS CENTRE
BHUBANESWAR
Map No. FDC-
Date. 20/11/2018
20/11/2018
Auth. Signatory

AREA STATISTICS OF FOREST LAND PROPOSED FOR DIVERSION

SL.NO.	VILLAGE NAME	HAL PLOT	HAL KISAM	SABIK PLOT	SABIK KISAM	PROPOSED AREA (Acre)	PROPOSED AREA (Hectare)	MAP AREA (Hectare)
1	BARABAHAL	935	UNAT YOJANA JOGYA	211SMA	BADA JUNGLE	0.142	0.057	0.057
2		944	ATA SADHARANA	211SMA	BADA JUNGLE	0.060	0.024	0.024
3		1061	GRAMYA JUNGLE	358SMA	GRAMYA JUNGLE	0.450	0.182	0.186
4		1064	GRAMYA JUNGLE	358	GRAMYA JUNGLE	0.772	0.312	0.312
5		1185	GRAMYA JUNGLE	443SMA	BADA JUNGLE	0.138	0.056	0.056
6	JUNANI	13	SARBA SADHARANA	1SMA	PATITA ,JUNGLE	0.150	0.061	0.061
7		54	RASTA	1SMA	PATITA ,JUNGLE	0.006	0.002	0.002
8		58	RASTA	1SMA	PATITA ,JUNGLE	0.020	0.008	0.008
9		68	BADA JUNGLE	743SMA	NALA-I, PATITA ,BADA JUNGLE	0.245	0.099	0.099
10		69	RASTA	743SMA,1SMA	NALA-I PATITA,BADA JUNGLE,PATITA JUNGLE	0.398	0.161	0.161
11		70	NALA	1SMA,743SMA	PATITA JUNGLE, NALA-I PATITA, BADA JUNGLE	0.092	0.037	0.037
12		71	JUNGLE	743SMA	NALA-I PATITA, BADA JUNGLE	0.004	0.002	0.002
13		193	JUNGLE	218	BADI AVALA SARADAR	0.037	0.015	0.015
14		377	JUNGLE	690,687	PATITA JUNGLE,BADA JUNGLE	0.135	0.055	0.055
15		420	BADA JUNGLE	687	BADA JUNGLE PATITA	0.295	0.120	0.120
16		779	BAGAYAT-2	687SMA	BADA JUNGLE, NALA-I PATITA	0.040	0.016	0.016
17		420/2234	BADA JUNGLE	687SMA	BADA JUNGLE	0.021	0.009	0.009
18		420/2235	BADA JUNGLE	687SMA	BADA JUNGLE	0.064	0.026	0.026
19	KOLABIRA	1897	GRAMYA JUNGLE	1029	BADA JUNGLE	0.675	0.273	0.273
20		1922	GRAMYA JUNGLE	1555	GOCHARA	1.316	0.532	0.532
21	KUNDRUSINGHA	1134	UNATA YOJANA NOGYA	86SMA	GRAMYA JUNGLE	0.193	0.078	0.065
22		1135	GRAMYA JUNGLE	106	GRAMYA JUNGLE	0.179	0.072	0.071
23		1136	RASTA	106,86SMA	GRAMYA JUNGLE,GRAMYA JUNGLE	0.934	0.378	0.394
24		1138	BASTI JOGYA	106SMA	GRAMYA JUNGLE	0.102	0.041	0.040
25		1726	GRAMYA JUNGLE	694	GRAMYA JUNGLE	0.023	0.009	0.009
26	LARIAPALI	1487	BASTI JOGYA	1071SMA	GRAMYA JUNGLE	0.403	0.163	0.143
27		1499	BERNA SADHARANA	1071SMA	GRAMYA JUNGLE	0.028	0.011	0.011
28		1692	GOCHARA	1071SMA	GRAMYA JUNGLE	0.482	0.195	0.195
29		1697	JORA	1071SMA	GRAMYA JUNGLE	0.139	0.056	0.056
30	PUKHURASALE	1888	PATITA	1785SMA	GOCHARA, GRAMYA JUNGLE	0.172	0.070	0.057
31		1889	RASTA	1785SMA	GOCHARA,GRAMYA JUNGLE	0.370	0.150	0.140
32	RAGHUNATHAPALI	1764	RASTA	2928	PATRA JUNGLE,GHASA	0.246	0.099	0.099
33		1765	PATITA	2928	PATRA JUNGLE,GHASA	0.043	0.017	0.017
34		1768	RASTA	2928	PATRA JUNGLE,GHASA	0.237	0.096	0.096
35		1777	PATITA	2219	PATRA JUNGLE,GHASA	0.042	0.017	0.017
36		1786	PATITA	2219	PATRA JUNGLE,GHASA	0.106	0.043	0.043
37		2000	ATA SADHARANA	2670	PATRA JUNGLE,GHASA	0.083	0.034	0.034
38		2120	MALA SADHARANA	2621SMA	GRAMYA SAMPADAYA, PATRA JUNGLE, GHASA	0.254	0.103	0.103
39		2121	BERNA SADHARANA	2621SMA	GRAMYA SAMPADAYA,PATRA JUNGLE,GHASA	0.414	0.167	0.167
40		2122	BERNA SADHARANA	2621SMA	GRAMYA SAMPADAYA,PATRA JUNGLE,GHASA	0.313	0.127	0.127
41		2123	BERNA SADHARANA	2621SMA	GRAMYA SAMPADAYA, PATRA JUNGLE, GHASA	0.342	0.139	0.139
42		2133	PATITA	2608SMA	PATRA JUNGLE, GHASA	0.054	0.022	0.022
43		2150	PATITA	2608	PATRA JUNGLE, GHASA	0.254	0.103	0.103
44		1780/3485	PATITA	2222SMA	PATRA JUNGLE, GHASA	0.032	0.013	0.013
	TOTAL REVENUE FOREST (A)					10.505	4.250	4.212
1	SIRIAPALI R.F					-	-	1.715
	TOTAL R.F (B)					-	-	1.715
	GRAND TOTAL (A+B)					-	-	5.927

LEGEND

●	DGPS OBSERVATION CO-ORDINATES OF ROAD CENTER LINE
●	DGPS OBSERVATION CO-ORDINATES OF R.F PILLARS
●	DERIVED CO-ORDINATES OF VILLAGE FOREST POINT
—	ROAD CENTER LINE
═	ROAD CORRIDOR
⋯	VILLAGE BOUNDARY
🟩	RESERVE FOREST AREA PROPOSED FOR DIVERSION
🟩	VILLAGE FOREST AREA TO BE DIVERTED

DGPS SURVEY CONDUCTED & MAP PREPARED BY:

MAPTECH SOLUTIONS PRIVATE LIMITED
N-5/111
Jayadev Vihar
BBSR-751015
Bibeka Nanda Panigrahi

MAPTECH SOLUTIONS PVT.LTD.
N-5/111 , GROUND FLOOR
JAYDEV VIHAR BHUBANESWAR