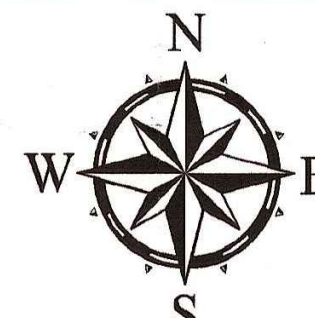
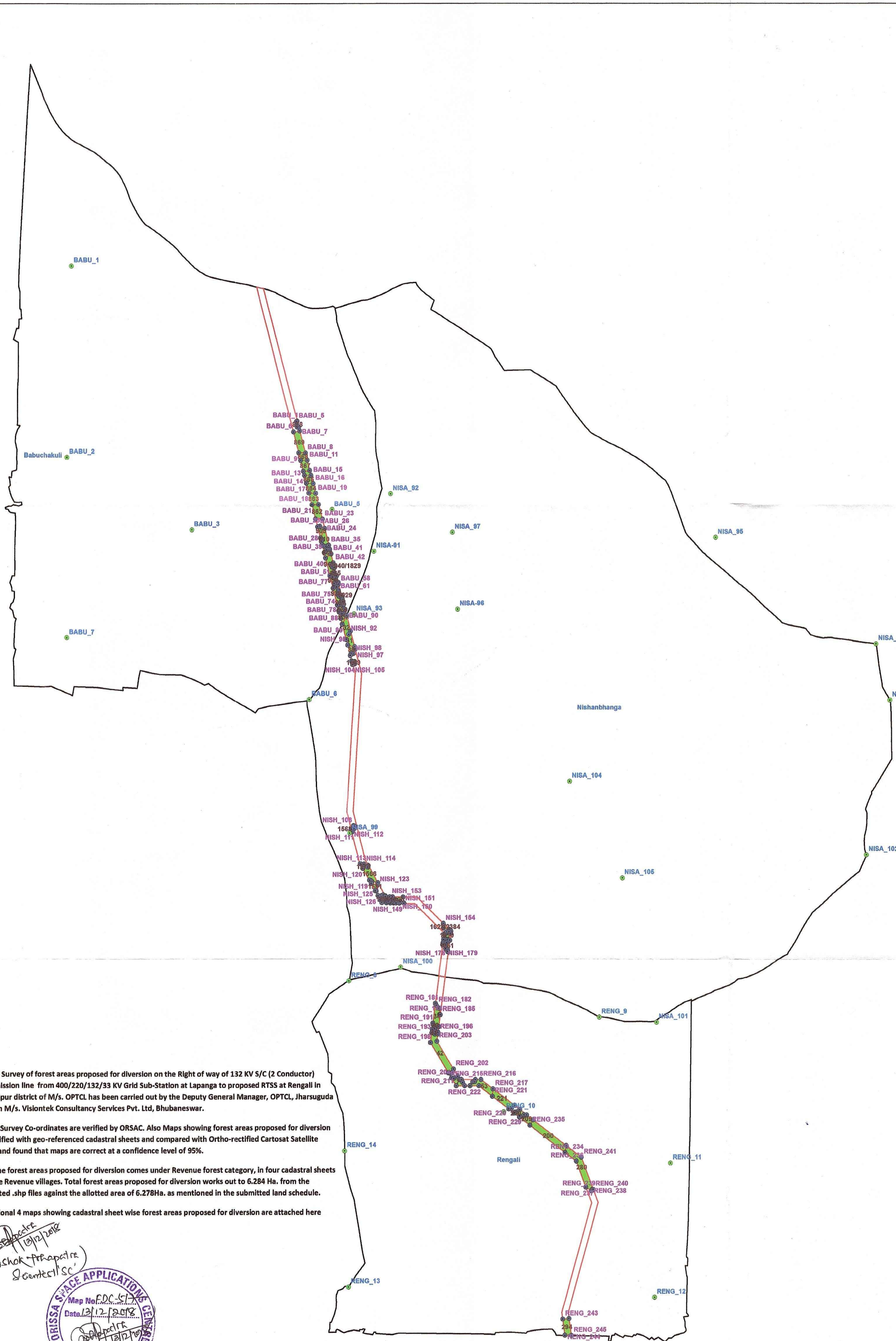


INDEX MAP SHOWING FOREST AREA PROPOSED FOR DIVERSION ON THE RIGHT OF WAY OF 132 KV S/C (2 CONDUCTOR) TRANSMISSION LINE FROM 400/ 220/132/33 KV GRID SUB - STATION AT LAPANGA TO PROPOSED RTSS AT RENGALI UNDER OPTCL PROJECT IN SAMBALPUR DISTRICT UNDER SAMBALPUR FOREST DIVISION.



0 125 250 500 750 1,000 Meters
SCALE :- 1:10000

DGPS SURVEYED CO-ORDINATES USED FOR GEO-REFERENCING				
S.No	Point_Id	Easting	Northing	Latitude
1	BABU_1	191619.9	2400990.132	21° 41' 08.06063" N
2	BABU_2	191600.513	2400158.627	21° 40' 41.04001" N
3	BABU_3	192149.626	2399842.319	21° 40' 31.10848" N
4	BABU_5	192764.385	2399932.227	21° 40' 34.41174" N
5	BABU_6	192664.955	2399107.761	21° 40' 07.56971" N
6	BABU_7	191601.362	2399375.073	21° 40' 15.58951" N
7	NISA-91	192947.816	2399749.733	21° 40' 28.59810" N
8	NISA_92	193021.269	2400002.611	21° 40' 36.85771" N
9	NISA_93	192861.061	2399478.13	21° 40' 19.72195" N
10	NISA_94	195149.795	2399350.602	21° 40' 16.99760" N
11	NISA_95	194445.211	2399812.043	21° 40' 31.55090" N
12	NISA-96	193314.589	2399498.925	21° 40' 20.67926" N
13	NISA_97	193292.074	2399831.851	21° 40' 31.47939" N
14	NISA_99	192841.2	2398529.072	21° 39' 48.88238" N
15	NISA_100	193064.647	2397944.613	21° 39' 30.03686" N
16	NISA_101	194184.394	2397704.731	21° 39' 22.93910" N
17	NISA_102	195106.059	2398434.15	21° 39' 47.20190" N
18	NISA_103	195210.216	2399106.68	21° 40' 09.11169" N
19	NISA_104	193806.356	2398753.18	21° 39' 56.76100" N
20	NISA_105	194036.02	2398333.512	21° 39' 43.27150" N
21	RENG_8	192836.456	2397884.156	21° 39' 27.93133" N
22	RENG_9	193934.242	2397726.932	21° 39' 23.50540" N
23	RENG_10	193515.45	2397316.039	21° 39' 09.89919" N
24	RENG_11	194246.437	2397093.951	21° 39' 03.13791" N
25	RENG_12	194175.005	2396509.965	21° 38' 44.12445" N
26	RENG_13	192833.419	2396556.333	21° 38' 44.79912" N
27	RENG_14	192816.496	2397147.431	21° 39' 03.98864" N

AREA STATISTICS OF FOREST AREA PROPOSED FOR DIVERSION FOR CONSTRUCTION OF 132 KV S/C (2 CONDUCTOR) TRANSMISSION LINE FROM 400/ 220/132/33 KV GRID SUB-STATION, LAPANGA TO PROPOSED RTSS, AT RENGALI UNDER OPTCL PROJECT, SAMBALPUR DISTRICT.

S.No	Village_Name	Plot_No	Hal_Kissam	Sabik_Kissam	Req_Area_Ha	Map_Area_Ha
1	Babuchakuli	869		Bada Jungle	0.267	0.267
2	Babuchakuli	868		Bada Jungle	0.093	0.093
3	Babuchakuli	865		Patara Jungle	0.101	0.101
4	Babuchakuli	866		Patara Jungle	0.055	0.055
5	Babuchakuli	867		Bada Jungle	0.134	0.134
6	Babuchakuli	864		Bada Jungle	0.124	0.124
7	Babuchakuli	863		Bada Jungle	0.148	0.148
8	Babuchakuli	862		Patara Jungle	0.184	0.184
9	Babuchakuli	908		Patara Jungle	0.077	0.077
10	Babuchakuli	910		Patara Jungle	0.155	0.155
11	Babuchakuli	941		Bada Jungle	0.069	0.069
12	Babuchakuli	940/1829		Bada Jungle	0.045	0.047
13	Babuchakuli	940		Bada Jungle	0.186	0.186
14	Babuchakuli	925		Patara Jungle	0.035	0.035
15	Babuchakuli	939		Patara Jungle	0.066	0.066
16	Babuchakuli	929		Patara Jungle	0.001	0.001
17	Babuchakuli	928		Patara Jungle	0.193	0.193
18	Babuchakuli	932		Bada Jungle	0.060	0.060
19	Babuchakuli	933		Bada Jungle	0.075	0.075
20	Babuchakuli	934		Bada Jungle	0.073	0.073
21	Babuchakuli	912		Patara Jungle	0.055	0.055
22	Babuchakuli	878	Gramya Jungle		0.013	0.013
23	Nisanbhang_Sh_1	32		Patara Jungle	0.188	0.188
24	Nisanbhang_Sh_1	31		Patara Jungle	0.132	0.132
25	Nisanbhang_Sh_1	36		Patara Jungle	0.081	0.081
26	Nisanbhang_Sh_2	1459		Patara Jungle	0.011	0.012
27	Nisanbhang_Sh_2	1563		Patara Jungle	0.018	0.018
28	Nisanbhang_Sh_2	1566		Patara Jungle	0.209	0.209
29	Nisanbhang_Sh_2	1573		Patara Jungle	0.025	0.025
30	Nisanbhang_Sh_2	1581		Patara Jungle	0.047	0.047
31	Nisanbhang_Sh_2	1605		Patara Jungle	0.081	0.081
32	Nisanbhang_Sh_2	1586		Patara Jungle	0.031	0.031
33	Nisanbhang_Sh_2	1587		Patara Jungle	0.029	0.029
34	Nisanbhang_Sh_2	1585		Patara Jungle	0.055	0.055
35	Nisanbhang_Sh_2	1583		Patara Jungle	0.027	0.027
36	Nisanbhang_Sh_2	1622/2384		Patara Jungle	0.025	0.025
37	Nisanbhang_Sh_2	1619		Patara Jungle	0.073	0.073
38	Nisanbhang_Sh_2	1651		Patara Jungle	0.062	0.062
39	Nisanbhang_Sh_2	1601		Patara Jungle	0.007	0.007
40	Rengali	41	Gramya Jungle		0.029	0.029
41	Rengali	34	Gramya Jungle		0.208	0.208
42	Rengali	36	Gramya Jungle		0.018	0.018
43	Rengali	42	Gramya Jungle		0.507	0.508
44	Rengali	7	Gramya Jungle		0.132	0.132
45	Rengali	53	Gramya Jungle		0.280	0.280
46	Rengali	221	Gramya Jungle		0.291	0.292
47	Rengali	210	Gramya Jungle		0.082	0.082
48	Rengali	209	Gramya Jungle		0.134	0.134
49	Rengali	200	Gramya Jungle		0.515	0.515
50	Rengali	280	Gramya Jungle		0.575	0.576
51	Rengali	294	Gramya Jungle		0.197	0.198
Total=					6.278	6.284

Legend

- Geo Referenced Surveyed Points
- Derived Points
- Forest Plots
- Transmission Line
- Village Boundary

- DGPS Survey of forest areas proposed for diversion on the Right of way of 132 KV S/C (2 Conductor) Transmission line from 400/220/132/33 KV Grid Sub-Station at Lapanga to proposed RTSS at Rengali in Sambalpur district of M/s. OPTCL has been carried out by the Deputy General Manager, OPTCL, Jharsuguda through M/s. Visiontek Consultancy Services 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 under Revenue forest category, In four cadastral sheets of three Revenue villages. Total forest areas proposed for diversion works out to 6.284 Ha. from the submitted .shp files against the allotted area of 6.278Ha. as mentioned in the submitted land schedule.

- Additional 4 maps showing cadastral sheet wise forest areas proposed for diversion are attached here with.

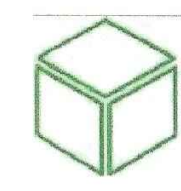
Asst. Director
Chakrabarti
Santosh Kumar
Santosh Kumar

Map No. C.D.C. 517
Date: 21/12/2017

Auth. Signatory

ORISSA SPACE APPLICATIONS CENTRE
BHUANESWAR

Surveyed and Prepared By :-



Visiontek Consultancy Services Pvt. Ltd

(An Enviro Engineering Consulting Cell)