

INDEX MAP SHOWING FOREST AREA PROPOSED TO BE DIVERTED IN 220 KV TRANSMISSION LINE FROM EXISTING 220/132/33KV GRID SUBSTATION AT SADEIPALI, BOLANGIR TO PROPOSED 220/132 KV GRID SUB-STATION AT KESINGA UNDER KALAHANDI NORTH FOREST DIVISION IN KALAHANDI DISTRICT.

DGPS SURVEYED CO-ORDINATE USED FOR GEO-REFERENCING				
Sl. No.	Point Name	Latitude	Longitude	Northing
1	KINE-78	20° 16' 08.45073" N	83° 16' 57.23898" E	738408.101
2	20	20° 12' 12.31893" N	83° 14' 54.05362" E	734931.898
3	23	20° 12' 40.31543" N	83° 14' 29.88697" E	734218.247
4	68	20° 16' 00.25234" N	83° 17' 01.62063" E	736539.052
5	174	20° 15' 00.05152" N	83° 14' 57.89184" E	734972.993
6	176	20° 14' 39.56272" N	83° 14' 56.55330" E	734942.763
7	177	20° 15' 06.12781" N	83° 14' 27.33376" E	734083.424
8	178	20° 15' 16.01454" N	83° 14' 39.66002" E	734437.1
9	179	20° 15' 02.96311" N	83° 14' 49.08907" E	734716.25
10	18	20° 12' 04.42442" N	83° 15' 25.93698" E	735860.7
11	123	20° 12' 48.74155" N	83° 14' 35.98949" E	734391.927
12	127	20° 12' 28.25898" N	83° 14' 52.41793" E	734877.465
13	Kiner-1	20° 15' 26.54031" N	83° 16' 45.76825" E	738093.225
14	Kiner-2	20° 16' 21.52074" N	83° 17' 05.65920" E	738647.231
15	Kiner-5	20° 15' 37.56813" N	83° 17' 01.68190" E	738550.468
16	Kurliu-1	20° 11' 38.57611" N	83° 14' 22.83967" E	734039.276
17	Kurliu-2	20° 12' 17.14377" N	83° 14' 22.34047" E	734008.762
18	Kurliu-3	20° 11' 16.60135" N	83° 15' 16.80691" E	735615.581
19	Kurliu-4	20° 11' 57.21852" N	83° 14' 51.56282" E	734865.378
20	Tan-1	20° 12' 22.30939" N	83° 14' 32.11950" E	734290.56
21	Tan-2	20° 12' 16.71816" N	83° 14' 55.43057" E	734968.754
22	Kiner-3	20° 16' 08.51706" N	83° 16' 44.99779" E	738053.064
23	Kiner-4	20° 15' 50.67065" N	83° 16' 30.10737" E	737628.425

DGPS SURVEYED CO-ORDINATE USED FOR CENTER-LINE POINTS				
Sl. No.	Point Name	Latitude	Longitude	Northing
1	171	20° 14' 41.67872" N	83° 14' 49.63700" E	734741.046
2	172	20° 15' 00.48169" N	83° 14' 53.00768" E	734831.036
3	C-12	20° 16' 31.02932" N	83° 17' 01.60936" E	738525.645
4	C-16	20° 11' 38.81099" N	83° 14' 59.06248" E	735091.028
5	C-52	20° 12' 47.78666" N	83° 14' 38.14370" E	734454.871
6	C-53	20° 12' 35.68645" N	83° 14' 50.33708" E	734813.948
7	C-13	20° 16' 08.84663" N	83° 16' 37.86936" E	737846.022
8	C-14	20° 15' 57.83037" N	83° 16' 15.85620" E	737211.75



Scale: 1:18000

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AREA STATISTICS OF FOREST PLOTS PROPOSED FOR DIVERSION						
Sl. No.	Vill. Name	Plot No.	Hal. Khasam	Sabik. Khas	Req. Area_H	Map Area_H
1	Kashrupada_Sh_1	202	Gramya Jungle		0.078	0.078
2	Kashrupada_Sh_1	204	Gramya Jungle		0.162	0.167
3	Kinerkela_Sh_1	144	Gramya Jungle		0.086	0.083
4	Kurupada_Sh_2	1468	Bada Jungle		0.021	0.021
5	Kurupada_Sh_2	1466	Bada Jungle		0.286	0.272
6	Kurupada_Sh_2	1467	Bada Jungle		0.068	0.064
7	Tansir_Sh_2	868	Gramya Jungle		0.069	0.067
8	Tansir_Sh_2	869	Gramya Jungle		0.222	0.214
9	Tansir_Sh_2	960	Gramya Jungle		0.022	0.019
Total=					1.014	0.985

AREA STATISTICS OF RESERVED FOREST AREA PROPOSED FOR DIVERSION			
Sl. No.	Area_Ha	Rf_Name	
1	4.107	Bazargarah RF	
2	1.529	Dumermunda RF	
Total=		5.636	

Legend	
•	Geo Reference Point
•	Reserved Forest Point
•	Center Line Point
•	RF Points
	Reserve Forest
	Transmission Line
	Forest Plots, Kolahandi
	Village Boundary
	Center Line

- DGPS Survey of forest areas proposed for diversion on the Right of way of 220KV Bolangir - Kesinga DC Transmission line of M/s. OPTCL Coming under Kalahandi North Forest Division from existing 220/132/33KV Grid Sub-Station at Sadeipali in Bolangir district to proposed 220/132KV Grid Sub-Station at Kesinga in Kalahandi district has been carried out by the Deputy General Manager, OPTCL, Bolangir 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 in four cadastral sheets of four Revenue villages and two Patches in two R.F.s. (One Patch in Bazargarah R.F. and Dumermunda R.F) Total forest areas proposed for diversion works out to 6.621Ha. includes .985 Ha Revenue forest area and 5.636Ha. R.F. area from the submitted .shp files against the allotted area of 1.014Ha. Revenue forest area as mentioned in the submitted land schedule.

- Additional 6 maps showing cadastral sheet wise Revenue forest area and Patch wise R.F. areas proposed for diversion are attached here with.

25/03/2019
Ashok Chakrapani
Santosh

