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INDEX MAP SHOWING FOREST AREA PROPOSED FOR CONSTRUCTION OF 132/33KV TRANSMISSION LINE GRID S/S BOUDH TO PROPOSED 220/132/33KV TRANSMISSION LINE GRID S/S KIAKATA OF M/S OPTCL, ANGUL COMING UNDER ATHMALLIK TAHSIL AND ATHMALLIK FOREST DIVISION, ANGUL DISTRICT ODISHA STATE.

Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- DERIVED FOREST PILLAR COORDINATES
- ANGLE COORDINATE
- CENTER LINE
- FOREST PATCH
- LINE CORRIDOR
- VILLAGE BOUNDARY

DGPS SURVEYED GEO-REFERENCE COORDINATES						DERIVED COORDINATES OF FOREST BOUNDARY PILLARS					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING	SL NO	PILLAR ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-BASU-3	84°20'58.57249"	20°51'30.74420"	224214.818	2308764.332	1	1	84°21'47.77956"	20°51'51.69276"	22568.42	2309385.454
2	GEO-BASU-1a	84°20'30.67108"	20°51'08.95117"	223396.839	2308107.15	2	2	84°21'47.83968"	20°51'51.69188"	22560.166	2309385.887
3	GEO-BURU-2	84°20'47.27914"	20°51'25.21679"	223885.414	2308599.659	3	3	84°21'47.89980"	20°51'51.69780"	22561.906	2309385.927
4	GEO-BURU-3a	84°20'25.02457"	20°51'20.94865"	223239.642	2308478.974	4	4	84°21'47.95588"	20°51'51.71112"	22563.611	2309385.927
5	GEO-BURU-4d	84°20'19.44364"	20°51'10.60595"	223072.975	2308163.432	5	5	84°21'51.68844"	20°51'52.80120"	225762.025	2309417.694
6	GEO-FAK-1a	84°22'11.62890"	20°49'09.55978"	226256.574	2304385.932	6	6	84°21'51.41160"	20°51'53.63892"	225754.433	2309443.604
7	GEO-FAK-2a	84°21'40.68901"	20°49'20.20983"	225666.953	2304728.231	7	7	84°21'47.76912"	20°51'52.57400"	225648.567	2309412.584
8	GEO-FAK-3a	84°22'01.77226"	20°48'46.59247"	225959.908	2303683.972	8	8	84°21'46.30248"	20°51'52.69500"	225662.215	2309416.982
9	GEO-FAK-4	84°21'55.43534"	20°49'00.05265"	225783.365	2304101.087	9	9	84°21'45.87768"	20°51'52.50744"	225583.843	2309411.434
10	GEO-FAK-5	84°21'44.35645"	20°48'49.64239"	225457.64	2303786.046	10	10	84°21'45.93960"	20°51'52.44696"	225595.	2309409.582
11	GEO-GHO-1a	84°21'57.17090"	20°50'45.81129"	224151.502	2307382.566	11	11	84°21'45.99792"	20°51'52.36524"	225597.241	2309406.982
12	GEO-HARI-1a	84°20'41.31627"	20°51'00.51001"	223700.419	2307842.358	12	12	84°21'46.05156"	20°51'52.12872"	225598.669	2309399.669
13	GEO-HARI-2-1a	84°20'29.98407"	20°50'46.57159"	223655.592	2307418.931	13	13	84°21'46.06200"	20°51'51.94655"	225598.861	2309394.07
14	GEO-HARI-2-2	84°20'39.19248"	20°50'49.75917"	223633.536	2307512.604	14	14	84°21'46.04544"	20°51'51.83531"	225598.348	2309390.654
15	GEO-HARI-2-5b	84°20'34.90096"	20°50'49.53613"	223509.305	2307507.791	15	15	84°21'37.45620"	20°51'52.53192"	225350.318	2309416.17
16	GEO-HARI-3A	84°20'46.15262"	20°51'05.70004"	223842.926	2307999.73	16	16	84°21'38.15208"	20°51'52.48260"	225370.417	2309414.322
17	GEO-SIN-1a	84°21'46.66974"	20°49'43.06077"	225551.465	2305428.437	17	17	84°21'42.29640"	20°51'52.14276"	225490.092	2309401.895
18	GEO-SIN-3	84°21'43.27384"	20°49'38.09283"	225450.734	2305277.2	18	18	84°21'42.86988"	20°51'52.31160"	225506.756	2309404.817
19	GEO-SIN-4a	84°21'57.70781"	20°49'48.79213"	225873.625	2305599.543	19	19	84°21'43.49772"	20°51'52.49664"	225525.013	2309412.214
20	GEO-SIN-6a	84°21'45.44379"	20°49'25.34111"	225507.076	2304883.849	20	20	84°21'43.97436"	20°51'52.61976"	225538.858	2309415.773
21	GEO-SIN-7	84°22'02.89469"	20°49'26.99769"	226012.691	2304926.557	21	21	84°21'43.77816"	20°51'52.69140"	225533.215	2309418.075
22	MAH-1a	84°22'16.75496"	20°48'51.78354"	226395.931	2303836.605	22	22	84°21'43.54632"	20°51'52.73532"	225526.534	2309419.322
23	MAH-3a	84°22'15.86705"	20°48'42.89411"	226365.784	2303563.531	23	23	84°21'43.77884"	20°51'52.76196"	225515.951	2309420.522
24	MAH-4b	84°22'24.33471"	20°48'26.09985"	226602.315	2303042.843	24	24	84°21'43.07832"	20°51'52.90247"	225513.117	2309426.649
25	MAH-5b	84°22'14.83329"	20°48'35.03423"	226331.934	2303322.201	25	25	84°21'38.22768"	20°51'53.35740"	225373.047	2309441.193
26	MAH-6b	84°22'13.82589"	20°48'24.59926"	226297.553	2303001.633	26	26	84°21'37.99980"	20°51'53.37900"	225366.464	2309441.799
27	MAH-7a	84°22'06.23618"	20°48'39.78701"	226085.62	2303472.485	27	27	84°21'36.10224"	20°51'52.62804"	225311.209	2309419.767
28	GEO-GOUT-2	84°22'06.25743"	20°51'37.10751"	226175.424	2308927.959	28	28	84°21'36.89532"	20°51'52.57132"	225334.113	2309417.661
29	GEO-GOUT-3a	84°22'57.03882"	20°52'04.34566"	227657.599	2309741.999	29	29	84°21'36.90244"	20°51'52.56576"	225336.628	2309417.429
30	GEO-GOUT-1	84°21'49.89065"	20°51'39.08196"	225703.111	2308996.459	30	30	84°21'37.36404"	20°51'53.41860"	225348.098	2309443.488
31	GEO-GOUT-4	84°21'56.23139"	20°51'59.42163"	225896.732	2309619.231	31	31	84°21'37.26216"	20°51'53.42580"	225345.157	2309443.758
32	GEO-GOUT-6a	84°21'28.23483"	20°51'42.62095"	225078.64	2309115.621	32	32	84°21'37.06212"	20°51'53.51220"	225309.922	2309446.999
33	GEO-BASU-1b	84°21'22.97641"	20°52'08.14347"	224939.487	2309903.361	33	33	84°21'35.52840"	20°51'53.54856"	225295.08	2309448.364
34	GEO-BASU-5a	84°20'49.83448"	20°52'03.31441"	223978.655	2309770.578	34	34	84°21'35.52984"	20°51'53.33040"	225295.014	2309448.648
35	GEO-BASU-5a	84°21'15.10217"	20°52'00.26582"	224707.795	2309664.739	35	35	84°21'35.18860"	20°51'53.79544"	225291.522	2309425.243
36	GEO-BASU-6a	84°21'09.31742"	20°52'11.08425"	224545.995	2310000.34	36	36	84°21'35.50356"	20°51'52.67052"	225293.92	2309421.357
37	GEO-HARI-4a	84°20'35.27335"	20°50'54.11553"	223522.402	2307648.507	37	37	84°21'29.36552"	20°51'53.06508"	225133.134	2309436.144
38	GEO-HARI-5	84°20'45.59072"	20°50'52.53835"	223819.995	2307595.056	38	38	84°21'30.44268"	20°51'53.02944"	225147.75	2309434.8
39	GEO-HARI-2-3b	84°20'47.50754"	20°50'47.09963"	223872.673	2307426.811	39	39	84°21'30.36276"	20°51'53.11152"	225145.476	2309437.365
40	GEO-HARI-2-4a	84°20'43.70485"	20°50'41.59124"	223759.896	2307259.15	40	40	84°21'30.44816"	20°51'53.87976"	225151.23	2309460.913
41	GEO-GHO-2b	84°21'15.86404"	20°50'24.80636"	224681.516	2306727.418	41	41	84°21'30.47760"	20°51'53.90676"	225149.208	2309461.78
42	GEO-GHO-3b	84°21'27.75887"	20°50'14.44484"	225020.315	2306402.979	42	42	84°21'30.14208"	20°51'53.93052"	225139.517	2309462.671

STATISTICS OF REVISED FOREST LANDS TO BE DIVERTED FOR CONSTRUCTION OF 132/33 KV TRANSMISSION LINE FROM GRID SUBSTATION BOUDH TO PROPOSED 220/132/33 KV GRID SUBSTATION AT KIAKATA(ATHMALLIK FOREST DIVISION) OF M/s OPTCL						
SL. NO.	VILLAGE NAME	PLOT NO.	KISAM	ALLOTTED AREA AC.	ALLOTTED AREA HA.	MAP AREA HA.
1	BASUDEBPUR	30/P	Gramya Jungle	2.609	1.056	1.056
2	BASUDEBPUR	176/P	Jungle-II	0.195	0.079	0.086
3	BASUDEBPUR	178/143/P	Jungle-II	0.113	0.046	0.046
4	BASUDEBPUR	185/P	Jungle-II	0.078	0.032	0.032
5	BASUDEBPUR	36/P	Jungle-II	0.202	0.082	0.082
6	BURAGHAT	72/P	Jungle-II	0.266	0.107	0.107
7	FAKIRPURA	291/P	Jungle-2	0.324	0.131	0.131
8	GAUTAMPUR	10/P	Jungle-II	1.099	0.445	0.445
9	GAUTAMPUR	2/P	Jungle-II	1.057	0.428	0.428
10	GHODAGADI	11/P	Jungle-II	0.96	0.389	0.389
11	GHODAGADI	16/P	Jungle-II	1.065	0.431	0.431
12	GHODAGADI	87/P	Jungle-II	0.79	0.32	0.32
13	GHODAGADI	87/P	Jungle-II	0.25	0.101	0.101
14	GHODAGADI	80/P	Jungle-II	0.18	0.073	0.073
15	HARIPUR	48/P	Jungle-II	0.846	0.342	0.342
16	MAHAKUDAPALI	133/P	Gramya Jungle	0.005	0.002	0.002
17	SINGARIMUNDA	232/P	Jungle-2	1.326	0.537	0.537
18	SINGARIMUNDA	222/P	Jungle-2	0.583	0.236	0.236
TOTAL REVENUE FOREST AREA				11.948	4.837	4.842

- Revised DGPS Survey of forest areas proposed for diversion for construction of 132/33KV Transmission line Grid S/s Boudh to proposed 220/132/33KV Transmission Line Grid S/s Kiakata coming under Athmallik Forest Division, Angul district has been carried out by the Deputy General Manager (Electrical), E.H.T. (Const.) Division, OPTCL, Angul through M/s Centre for Envotech and Management Consultancy 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 / surveyed points 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 8 cadastral sheets of 8 Revenue villages under in Athmallik Tahsil of Angul district.

-Total forest areas proposed for diversion works out to 4.842Ha. from the submitted .shp files against the allotted area of 4.837Ha./11.948Ac. as mentioned in the submitted land schedule.

- Additional 8 maps showing village/plot wise forest areas proposed for diversion are attached here with.

SURVEYED AND PREPARED BY :

Centre for Envotech & Management Consultancy Pvt. Ltd. Bhubaneswar.



[Handwritten signatures and stamps]
For Range Officer
Madhapur Range
Date: 05/05/2023
Auth. Signature
Jyoti Bhowmik
Deputy General Manager (Electrical)
EHT, ANGUL