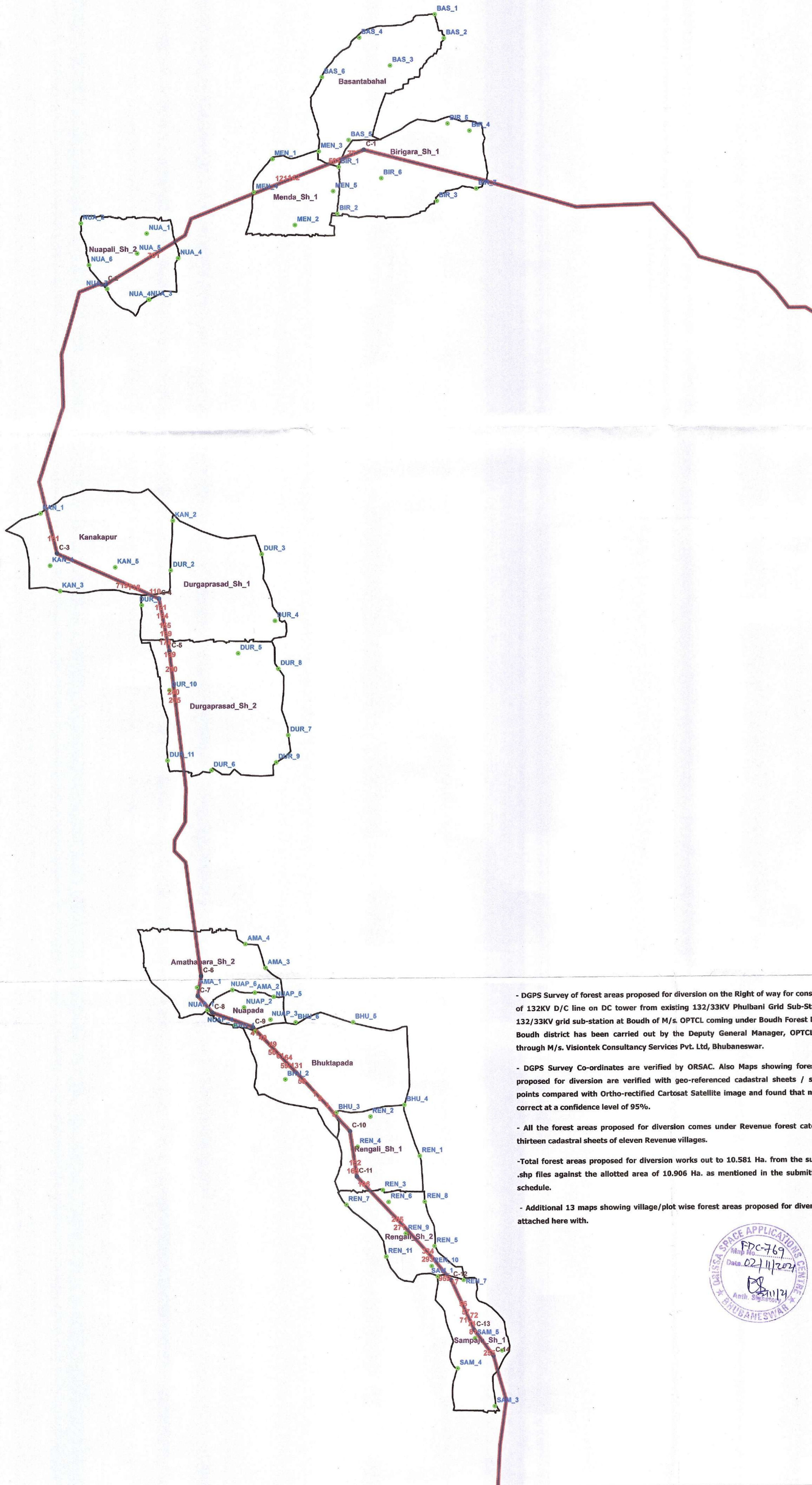


INDEX MAP SHOWING FOREST AREA PROPOSED TO BE DIVERTED FOR CONSTRUCTION OF 132 KV DC LINE ON DC TOWER FROM EXISTING 132/33 KV PHULBANI GRID SUB STATION TO 132/33 KV GRID SUB STATION AT BOUDH IN BOUDH DISTRICT UNDER BOUDH FOREST DIVISION.



- DGPS Survey of forest areas proposed for diversion on the Right of way for construction of 132KV D/C line on DC tower from existing 132/33KV Phulbani Grid Sub-Station to 132/33KV grid sub-station at Boudh of M/s. OPTCL coming under Boudh Forest Division, Boudh district has been carried out by the Deputy General Manager, OPTCL, Angul through M/s. Visiointek 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 / 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 thirteen cadastral sheets of eleven Revenue villages.

- Total forest areas proposed for diversion works out to 10.581 Ha. from the submitted .shp files against the allotted area of 10.906 Ha. as mentioned in the submitted land schedule.

- Additional 13 maps showing village/plot wise forest areas proposed for diversion are attached here with.



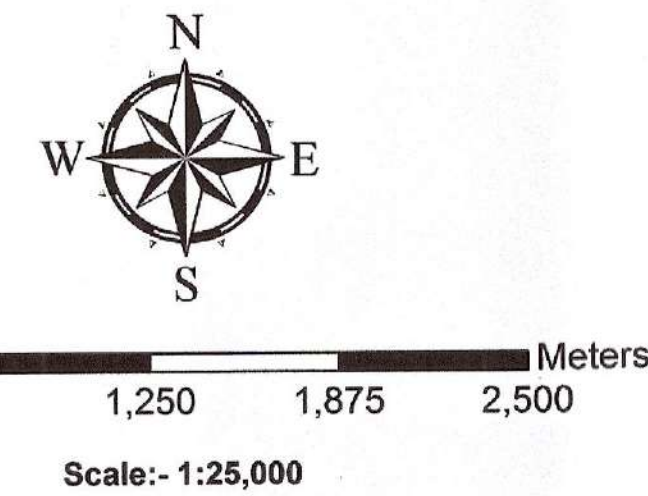
DGPS SURVEYED CO-ORDINATES OF GEO REFERENCING POINTS				
S. No.	Point Id	Easting	Northing	Latitude
1	AMA_1	212843.477	2290912.221	20° 41' 44.49027" N
2	AMA_2	213537.121	2290843.134	20° 41' 42.62858" N
3	AMA_3	213670.085	2291143.078	20° 41' 52.44761" N
4	AMA_4	213429.703	2291432.293	20° 42' 01.71213" N
5	BAS_1	215805.744	2302593.669	20° 48' 05.67567" N
6	BAS_2	215913.893	2302204.900	20° 47' 56.35247" N
7	BAS_3	215264.061	2301980.095	20° 47' 45.44116" N
8	BAS_4	214894.545	2302318.450	20° 47' 56.23114" N
9	BAS_5	214758.455	2301087.882	20° 47' 16.17271" N
10	BAS_6	214439.701	2301844.512	20° 47' 40.58085" N
11	BHU_1	213561.821	2290309.923	20° 41' 25.31717" N
12	BHU_2	213895.401	2289795.205	20° 41' 08.77679" N
13	BHU_3	214514.741	2289594.337	20° 40' 56.08263" N
14	BHU_4	215336.635	2289481.338	20° 40' 59.37005" N
15	BHU_5	214725.786	2290475.528	20° 41' 31.46849" N
16	BHU_6	214026.902	2290480.078	20° 41' 31.10205" N
17	BIR_1	214634.647	2300764.416	20° 47' 05.59440" N
18	BIR_2	214614.944	2300201.945	20° 46' 47.30764" N
19	BIR_3	215815.291	2300349.609	20° 46' 52.76685" N
20	BIR_4	216214.944	2301193.448	20° 47' 20.40452" N
21	BIR_5	215952.265	2301279.294	20° 47' 23.04953" N
22	BIR_6	215149.080	2300627.834	20° 47' 02.44031" N
23	BIR_7	216291.597	2300496.732	20° 46' 57.80881" N
24	DUR_1	212215.894	2295514.271	20° 44' 13.66994" N
25	DUR_2	212570.146	2295929.816	20° 44' 27.36819" N
26	DUR_3	213666.343	2296115.299	20° 44' 34.00179" N
27	DUR_4	213819.960	2295313.210	20° 44' 08.02542" N
28	DUR_5	213772.647	2294926.060	20° 43' 55.19909" N
29	DUR_6	213041.563	2293524.340	20° 43' 09.47184" N
30	DUR_7	213967.625	2293933.213	20° 43' 23.46330" N
31	DUR_8	213855.670	2294736.614	20° 43' 49.31062" N
32	DUR_9	213821.283	2293612.962	20° 43' 12.78208" N
33	DUR_10	212543.664	2294401.790	20° 43' 40.63002" N
34	DUR_11	212511.360	2293646.191	20° 43' 13.13736" N
35	KAN_1	211004.628	2296624.986	20° 44' 09.08410" N
36	KAN_2	212599.749	2296525.806	20° 44' 46.74916" N
37	KAN_3	211232.072	2295691.573	20° 44' 18.88343" N
38	KAN_4	211114.698	2295997.617	20° 44' 28.76166" N
39	KAN_5	211900.390	2295972.121	20° 44' 28.37075" N
40	MEN_1	213831.236	2300662.710	20° 47' 08.32807" N
41	MEN_2	214096.611	2300867.224	20° 46' 42.64530" N
42	MEN_3	214393.386	2300951.715	20° 47' 11.54680" N
43	MEN_4	213607.256	2300464.897	20° 46' 55.29439" N
44	MEN_5	214566.041	2300473.887	20° 46' 56.11671" N
45	MEN_6	212313.824	2299979.995	20° 46' 38.82128" N
46	MEN_7	211518.684	2300108.600	20° 46' 42.55685" N
47	MEN_8	212331.525	2299187.883	20° 46' 13.09447" N
48	MEN_9	212338.707	2299186.306	20° 46' 13.04722" N
49	MEN_10	212691.061	2299681.589	20° 46' 29.33549" N
50	MEN_11	212196.295	2299741.068	20° 46' 30.99387" N
51	MEN_12	211613.780	2299606.856	20° 46' 26.30772" N
52	MEN_13	211829.255	2299317.853	20° 46' 17.03779" N
53	MEN_14	212961.804	2299637.600	20° 41' 35.63279" N
54	MEN_15	213405.938	2299666.493	20° 41' 36.81681" N
55	MEN_16	213722.685	2299516.195	20° 41' 32.10802" N
56	MEN_17	213293.875	2299451.390	20° 41' 29.76590" N
57	MEN_18	213764.693	2299791.748	20° 41' 41.08442" N
58	MEN_19	213266.937	2299878.245	20° 41' 43.62031" N
59	MEN_20	215516.879	2288866.434	20° 46' 39.48902" N
60	MEN_21	214925.233	2289342.954	20° 46' 54.64814" N
61	MEN_22	215067.701	2288459.194	20° 47' 26.01084" N
62	MEN_23	214766.790	2288982.040	20° 46' 42.83430" N
63	MEN_24	215685.062	2287782.206	20° 46' 04.35175" N
64	MEN_25	215136.659	2288316.060	20° 46' 21.39788" N
65	MEN_26	216034.131	2287371.205	20° 39' 51.18796" N
66	MEN_27	214626.927	2288284.831	20° 40' 20.10370" N
67	MEN_28	215572.404	2288186.382	20° 40' 21.64686" N
68	MEN_29	215341.082	2287935.603	20° 40' 09.14785" N
69	MEN_30	215649.389	2287541.435	20° 39' 56.50899" N
70	MEN_31	215102.460	2287657.592	20° 39' 59.98397" N
71	MEN_32	215722.281	2287413.767	20° 39' 52.40058" N
72	MEN_33	216493.551	2286185.559	20° 39' 23.73372" N
73	MEN_34	216400.433	2285849.087	20° 39' 01.92999" N
74	MEN_35	215952.700	2286306.882	20° 39' 16.56087" N
75	MEN_36	216166.968	2286669.586	20° 39' 28.46299" N

DGPS SURVEYED CO-ORDINATES OF CENTER LINE POINTS				
S. No.	Point Id	Easting	Northing	Latitude
1	C-1	214939.896	2300969.569	20° 47' 12.42859" N
2	C-2	211815.323	2299372.415	20° 46' 18.80282" N
3	C-3	211199.483	2296141.750	20° 44' 33.49197" N
4	C-4	214244.639	2295592.373	20° 44' 16.32346" N
5	C-5	212544.820	2294959.849	20° 43' 55.83855" N
6	C-6	212891.518	2291053.245	20° 41' 49.09895" N
7	C-7	212849.507	2290809.245	20° 41' 41.14775" N
8	C-8	213023.340	2290608.276	20° 41' 34.74700" N
9	C-9	213510.626	2290426.562	20° 41' 29.07875" N
10	C-10	214676.637	2289170.432	20° 40' 48.90610" N
11	C-11	214755.186	2288624.984	20° 40' 31.27638" N
12	C-12	215803.979	2287371.472	20° 39' 51.11465" N
13	C-13	216156.472	2286768.785	20° 39' 31.68049" N
14	C-14	216387.909	2286457.430	20° 39' 21.68991" N

Surveyed and Prepared By:-



Visiointek Consultancy Services Pvt. Ltd.
(An Enviro Engineering Consulting Cell)



Area Statistics of Forest Plots of Boudh Forest Division						
S. No.	Village Name	Plot No	Hal, KISSAM	Sabli, KISSAM	Req. Area_Ha	Map Area_Ha
1	Amathapara_Sh_2	559	Patita	Patra Jungle	0.082	0.081
2	Basantabahal	501	Gramya Jungle	Gochara	0.379	0.366
3	Bhuktapada	41	Basti Jogyra	Bada Jungle	0.153	0.151
4	Bhuktapada	40	Basti Jogyra	Bada Jungle	0.446	0.438
5	Bhuktapada	49	Patita	Bada Jungle	0.088	0.084
6	Bhuktapada	50	Ata	Bada Jungle	0.122	0.119
7	Bhuktapada	61	Ata	Bada Jungle	0.162	0.157
8	Bhuktapada	62	Ata	Bada Jungle	0.033	0.031
9	Bhuktapada	64	Patita	Bada Jungle	0.023	0.023
10	Bhuktapada	59/131	Ata	Patra Jungle	0.181	0.090
11	Bhuktapada	55	Ata	Bada Jungle	0.691	0.678
12	Bhuktapada	7	Jalasaya	Patra Jungle	0.001	0.001
13	Bhuktapada	5	Jalasaya	Patra Jungle	0.006	0.006
14	Bhuktapada	54/128	Ata	Bada Jungle	0.007	0.007
15	Bhuktapada	4	Ata	Patra Jungle	0.625	0.591
16	Bhuktapada	3	Patita	Patra Jungle	0.029	0.089
17	Birigara_Sh_1	77	Gramya Jungle	Pathara Chatana	0.011	0.011
18	Birigara_Sh_1	162	Gramya Jungle	Lak Patita	0.079	0.071
19	Durgaprasad_Sh_1	110	Jungle	Bada Jungle	0.415	0.365
20	Durgaprasad_Sh_1	112	Ata	Bada Jungle	0.096	0.093
21	Durgaprasad_Sh_1	119	Jungle	Bada Jungle	0.101	0.099
22	Durgaprasad_Sh_1	121	Jungle	Bada Jungle	0.114	0.110
23	Durgaprasad_Sh_1	122	Patita	Bada Jungle	0.033	0.033
24	Durgaprasad_Sh_1	123	Jungle	Bada Jungle	0.062	0.059
25	Durgaprasad_Sh_1	165	Jungle	Bada Jungle	0.089	0.087
26	Durgaprasad_Sh_1	164	Jungle	Bada Jungle	0.094	0.091
27	Durgaprasad_Sh_1	160	Mahara	Bada Jungle	0.009	0.010
28	Durgaprasad_Sh_1	159	Jungle	Bada Jungle	0.078	0.075
29	Durgaprasad_Sh_1	158	Jungle	Bada Jungle	0.057	0.056
30	Durgaprasad_Sh_1	157	Jungle	Bada Jungle	0.043	0.041
31	Durgaprasad_Sh_1	154	Mahara	Bada Jungle	0.043	0.042
32	Durgaprasad_Sh_1	136	Jungle	Bada Jungle	0.006	0.006
33	Durgaprasad_Sh_1	142	Jungle	Bada Jungle	0.022	0.021
34	Durgaprasad_Sh_1	143	Jungle	Bada Jungle	0.039	0.039
35	Durgaprasad_Sh_1	156	Jungle	Bada Jungle	0.086	0.084
36	Durgaprasad_Sh_1	155	Jungle	Bada Jungle	0.097	0.093
37	Durgaprasad_Sh_1	169	Jungle	Bada Jungle	0.158	0.154
38	Durgaprasad_Sh_1	170	Jungle	Bada Jungle	0.121	0.117
39	Durgaprasad_Sh_2	178	Jungle	Bada Jungle	0.191	0.184
40	Durgaprasad_Sh_2	181	Ata	Bada Jungle	0.099	0.096
41	Durgaprasad_Sh_2	182	Road	Bada Jungle	0.022	0.022
42	Durgaprasad_Sh_2	185	Jungle	Bada Jungle	0.106	0.107
43	Durgaprasad_Sh_2	198	Mahara	Bada Jungle	0.027	0.024
44	Durgaprasad_Sh_2	199	Jungle	Bada Jungle	0.126	0.123
45	Durgaprasad_Sh_2	203	Jungle	Bada Jungle	0.109	0.107
46	Durgaprasad_Sh_2	210	Jungle	Bada Jungle	0.223	0.218
47	Durgaprasad_Sh_2	232	Jungle	Bada Jungle	0.093	0.091
48	Durgaprasad_Sh_2	241	Jungle	Bada Jungle	0.143	0.138
49	Durgaprasad_Sh_2	242	Jungle	Bada Jungle	0.017	0.018
50	Durgaprasad_Sh_2	240	Jungle	Bada Jungle	0.389	0.377
51	Durgaprasad_Sh_2	250	Mahara	Bada Jungle	0.009	0.011
52	Durgaprasad_Sh_2	264	Jungle	Bada Jungle	0.036	0.035
53	Durgaprasad_Sh_2	263	Pathara Bani	Bada Jungle	0.001	0.006
54	Durgaprasad_Sh_2	265	Jungle	Bada Jungle	0.157	0.153
55	Durgaprasad_Sh_2	266	Sarada Jala_2	Bada Jungle	0.052	0.051
56	Durgaprasad_Sh_2	283	Jungle	Sarada Dayam	0.020	0.021
57	Kanakapur	151	Danda	Bada Jungle	0.025	0.026
58	Kanakapur	719	Sarada Jala_1	Bada Jungle	0.157	0.150
59	Kanakapur	718	Sarada Jala_1	Bada Jungle	0.182	0.177
60	Kanakapur	750	Danda	Bada Jungle	0.017	0.016
61	Menda_Sh_1	142	Gramya Jungle	Patra Jungle	0.102	0.101
62	Menda_Sh_1	144	Gramya Jungle	Patra Jungle	0.028	0.029
63	Menda_Sh_1	121	Pathara Bani	Patra Jungle	0.019	0.020
64	Nuapada	42	Gramya Jungle	Patra Jungle	0.139	0.135
65	Nuapali_Sh_2	701	Gramya Jungle	Sarada Soyam	0.369	0.358
66	Rengali_Sh_1	162	Patita	Patra Jungle	0.268	0.260
67	Rengali_Sh_1	165	Ata	Patra Jungle	0.049	0.048
68	Rengali_Sh_1	196	Patita	Patra Jungle	0.242	0.236
69	Rengali_Sh_1	181	Ata	Patra Jungle	0.049	0.088
70	Rengali_Sh_2	271	Road	Bada Jungle	0.085	0.084
71	Rengali_Sh_2	306	Ata	Bada Jungle	0.041	0.041
72	Rengali_Sh_2	307	Ata	Bada Jungle	0.049	0.047
73	Rengali_Sh_2	309	Ata	Bada Jungle	0.009	0.009
74	Rengali_Sh_2	334	Ata	Bada Jungle	0.045	0.047
75	Rengali_Sh_2	293	Gramya Jungle	Bada Jungle	0.456	0.408
76	Rengali_Sh_2	255	Patita	Bada Jungle	0.118	0.117
77	Rengali_Sh_2	341	Gharabari	Bada Jungle	0.001	0.001
78	Rengali_Sh_2	340	Ata	Bada Jungle	0.203	0.175
79	Sampajui_Sh_1	338	Ata	Bada Jungle	0.018	0.029
80	Sampajui_Sh_1	95	Patita	Bada Jungle	0.029	0.031
81	Sampajui_Sh_1	17	Patita	Bada Jungle	0.113	0.111
82	Sampajui_Sh_1	18	Sarada_2	Bada Jungle	0.022	0.021
83	Sampajui_Sh_1	49	Ata	Bada Jungle	0.089	0.087
84	Sampajui_Sh_1	56	Ata	Bada Jungle	0.099	0.098
85	Sampajui_Sh_1	58	Ata	Bada Jungle	0.049	0.048
86	Sampajui_Sh_1	2	Road	Bada Jungle	0.062	0.060
87	Sampajui_Sh_1	57	Mala_2	Bada Jungle	0.247	0.245
88	Sampajui_Sh_1	71	Patita	Bada Jungle	0.091	0.090
89	Sampajui_Sh_1	72	Patita	Bada Jungle	0.131	0.129
90	Sampajui_Sh_1	74	Ata	Bada Jungle	0.189	0.187
91	Sampajui_Sh_1	81	Ata	Bada Jungle	0.237	0.234
92	Sampajui_Sh_1	83	Mala_2	Bada Jungle	0.002	0.002
93	Sampajui_Sh_1	84	Ata	Bada Jungle	0.012	0.013
94	Sampajui_Sh_1	86	Ata	Bada Jungle	0.040	0.042
95	Sampajui_Sh_1	85	Mala_2	Bada Jungle	0.082	0.082
96	Sampajui_Sh_1	255	Road	Bada Jungle	0.034	0.034
97	Sampajui_Sh_1	253	Road	Bada Jungle	0.002	0.001
98	Sampajui_Sh_1	254	Sarada_2	Bada Jungle	0.004	0.003
TOTAL REVENUE FOREST AREAS PROPOSED FOR DIVERSION					10.906	10.581