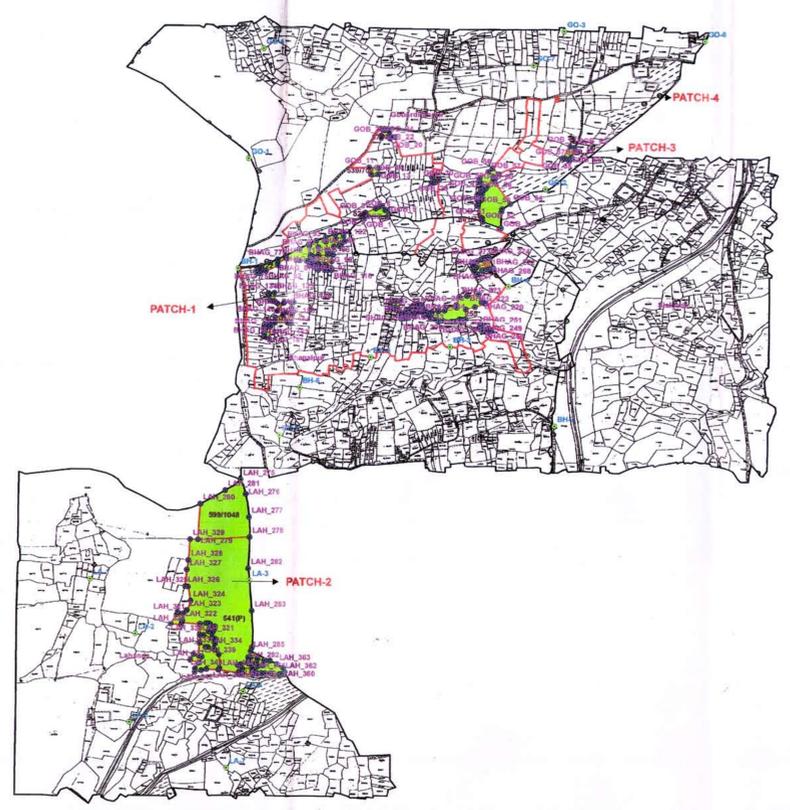
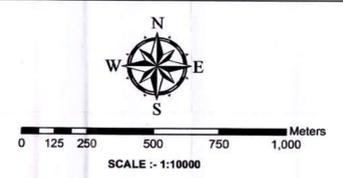


INDEX MAP SHOWING FOREST LAND PROPOSED FOR DIVERSION OF IRON ORE GRINDING, DE-SLIMING PLANTS WITH ASSOCIATE FACILITIES, SLURRY PUMPING STATION AT VILLAGES GOBARDHANPUR, BHAGALPUR, SIALIJODA AND LAHANDA AND WATER TREATMENT & PUMPING STATION AT KANDARA VILLAGE UNDER BARBIL TAHASIL IN KEONJHAR FOREST DIVISION IN KEONJHAR DISTRICT.



AREA STATISTICS OF FOREST PLOTS TO BE DIVERTED IN VILLAGES BHAGALPUR, GOBARDHANPUR, LAHANDA AND KANDARA.						
S.No	Village Name	Plot No	Hal_Kissam	Sabik_Kissam	Req_Area_Ac	Map_Area_Ha
1	Bhagalpur	5	Patita	Jungle	0.050	0.020
2	Bhagalpur	22	Patita	Jungle	0.400	0.162
3	Bhagalpur	27	Patita	Jungle	0.150	0.061
4	Bhagalpur	29	Patita	Jungle	0.100	0.040
5	Bhagalpur	34	Sarada_II	Jungle	0.250	0.101
6	Bhagalpur	68	Patita	Jungle	0.950	0.384
7	Bhagalpur	69	Patita	Jungle	0.420	0.170
8	Bhagalpur	70	Patita	Jungle	0.530	0.214
9	Bhagalpur	71	Patita	Jungle	0.550	0.223
10	Bhagalpur	72	Patita	Jungle	0.350	0.142
11	Bhagalpur	76	Patita	Jungle	0.210	0.085
12	Bhagalpur	79	Patita	Jungle	0.340	0.138
13	Bhagalpur	80	Patita	Jungle	0.230	0.093
14	Bhagalpur	127	Patita	Jungle	0.190	0.077
15	Bhagalpur	227	Patita	Jungle	0.340	0.057
16	Bhagalpur	228	Patita	Jungle	0.120	0.049
17	Bhagalpur	229	Patita	Jungle	0.070	0.028
18	Bhagalpur	233	Patita	Jungle	0.060	0.024
19	Bhagalpur	297	Patita	Jungle	0.150	0.061
20	Bhagalpur	299	Patita	Jungle	0.100	0.040
21	Bhagalpur	298	Patita	Jungle	0.110	0.045
22	Bhagalpur	300	Patita	Jungle	0.150	0.055
23	Bhagalpur	301	Patita	Jungle	0.200	0.081
24	Bhagalpur	302	Patita	Jungle	0.050	0.020
25	Bhagalpur	23/936	Patita	Jungle	0.120	0.049
26	Bhagalpur	77/938	Patita	Jungle	0.040	0.016
27	Bhagalpur	81/939	Patita	Jungle	0.050	0.020
28	Bhagalpur	82/940	Patita	Jungle	0.040	0.016
29	Bhagalpur	83/941	Patita	Jungle	0.030	0.012
30	Bhagalpur	84/942	Patita	Jungle	0.160	0.065
31	Bhagalpur	65	Sarada_II	Jungle	0.110	0.045
32	Bhagalpur	255	Gramya	Jungle	2.580	1.044
33	Bhagalpur	305	Sarada_III	Jungle	0.030	0.012
34	Bhagalpur	31	Sarada_II	Jungle	0.250	0.101
35	Bhagalpur	63	Patita	Jungle	0.110	0.045
36	Bhagalpur	274/952	Sarada_I	Jungle	0.090	0.024
Total (A)						
37	Gobardhanpur	575	Patita	Jungle	0.230	0.093
38	Gobardhanpur	634	Patita	Jungle	0.310	0.125
39	Gobardhanpur	598	Patita	Jungle	0.640	0.259
40	Gobardhanpur	452/649	Patita	Jungle	0.100	0.040
41	Gobardhanpur	601/771	Patita	Jungle	3.140	1.271
42	Gobardhanpur	566/707	Patita	Jungle	0.100	0.040
43	Gobardhanpur	529	Patita	Jungle	0.610	0.247
44	Gobardhanpur	539/702	Patita	Jungle	0.220	0.089
Total (B)						
45	Kandara	434	Taila_II	Jungle	0.180	0.073
46	Kandara	435	Sarada_III	Jungle	1.640	0.664
47	Kandara	436	Sarada_III	Jungle	0.360	0.146
48	Kandara	440	Taila_II	Jungle	0.390	0.158
Total (C)						
49	Lahanda	599/1048	Patita	Jungle	8.000	3.238
50	Lahanda	641(P)	Patita	Jungle	25.610	10.364
51	Lahanda	916/984(P)	Sarada_II	Jungle	0.180	0.073
52	Lahanda	640(P)	Sarada_III	Jungle	0.430	0.174
53	Lahanda	639(P)	Sarada_III	Jungle	0.530	0.214
54	Lahanda	638(P)	Taila_I	Jungle	1.680	0.680
55	Lahanda	637/987	Sarada_I	Jungle	0.200	0.081
56	Lahanda	642	Sarada_II	Jungle	0.280	0.113
57	Lahanda	643	Taila_II	Jungle	0.190	0.077
58	Lahanda	644	Patita	Jungle	0.290	0.117
59	Lahanda	645	Sarada_III	Jungle	0.170	0.069
60	Lahanda	646	Taila_I	Jungle	1.030	0.417
Total (D)						
Grand Total = (A+B+C+D)					55.970	22.877

DGPS SURVEYED CO-ORDINATES USED FOR GEO-REFERENCING				
S.No	Point Id	Easting	Northing	Latitude
1	BH-1	341033.473	2441614.734	22°04'19.8888"
2	BH-2	341195.669	2440961.641	22°03'58.5095"
3	BH-3	341838.011	2441307.752	22°04'09.9717"
4	BH-4	342055.475	2441548.954	22°04'11.8292"
5	BH-5	341543.261	2441268.777	22°04'08.5021"
6	BH-6	341275.526	2441147.003	22°04'00.5623"
7	BH-7	342330.02	2441002.206	22°04'00.1667"
8	GO-1	341071.272	2442043.343	22°04'33.6378"
9	GO-2	342191.872	2441929.29	22°04'30.2961"
10	GO-3	342259.226	2441543.72	22°04'50.2948"
11	GO-4	341127.584	2442472.23	22°04'47.5999"
12	GO-6	342146.056	2442508.273	22°04'45.3132"
13	GO-7	342146.992	2442409.499	22°04'45.8942"
14	LA-1	340476.931	2440395.978	22°03'39.8821"
15	LA-2	340548.705	2440183.686	22°03'33.0860"
16	LA-3	341082.136	2440393.606	22°03'40.0008"
17	LA-4	341060.329	2439955.852	22°03'25.8945"
18	LA-6	340627.893	2439839.64	22°03'21.8440"
19	LA-7	340997.02	2439663.344	22°03'16.2338"
20	Ka-1	346032.106	2438501.992	22°02'40.1017"
21	Ka-2	347075.176	2438477.253	22°02'39.5271"
22	Ka-3	346806.842	2437246.738	22°01'59.5348"
23	Ka-4	346959.277	2438068.299	22°02'26.2946"
24	Ka-5	345985.747	2438258.061	22°02'32.1559"
25	Ka-6	347817.448	2438537.437	22°02'41.8183"

- DGPS Survey of forest areas proposed for diversion for Construction of Iron Ore Grinding, De-Sliming Plants, Slurry Pumping Station and Water Treatment & Pumping Station of M/s. JSW Utkal Steel Ltd, in Barbil Tahasil, Keonjhar District has been carried out by the user agency 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 total 4 cadastral sheets of four Revenue villages. Total forest areas proposed for diversion works out to 22.877 Ha from the submitted .shp files against the allotted area of 22.651 Ha (55.970 Ac) as mentioned in the submitted land schedule.

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

Ashok Kumar
 Scientist I, S.C.

SURVEYOR GENERAL
 KEONJHAR
 ODISHA
 Date: 23/01/2019



Legend

- Geo Referenced Surveyed Points
- Derived Points
- Forest Plots
- Project Boundary
- Village Boundary

PATCH-1 Iron Ore Grinding, De-Sliming Plants and Slurry Pumping Station
 PATCH-2
 PATCH-3
 PATCH-4
 PATCH-5 Water Treatment & Pumping Station

SURVEYED AND PREPARED BY:-

SURVEYOR GENERAL
 KEONJHAR
 ODISHA

Forest Range Officer
 Barbil Range

Visiontek Consultancy Services Pvt. Ltd.
 (An Enviro Engineering Consulting Co.)

TAHASILDAR
 BARBIL