

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

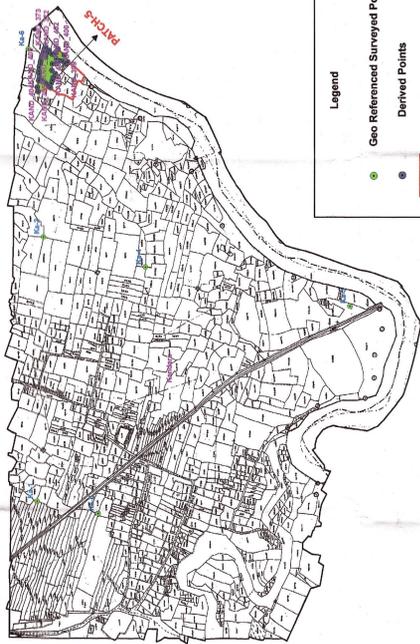


**AREA STATISTICS OF FOREST PLOTS TO BE DIVERTED IN VILLAGES BHAGALPUR, GOBARDHANPUR, LAHANDA AND KANDARA.**

S.No.	Village Name	Plot No.	Plot Area (Ha)	Plot Area (Ac)	Plot Area (Sq. Ft.)	Plot Area (Sq. Yds.)	Plot Area (Sq. Meters)	Plot Area (Sq. Feet)	Plot Area (Sq. Yards)	Plot Area (Sq. Meters)	Plot Area (Sq. Feet)
1	Bhagalpur	5	0.050	0.116	1360	311	1360	311	1360	311	1360
2	Bhagalpur	22	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
3	Bhagalpur	23	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
4	Bhagalpur	24	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
5	Bhagalpur	25	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
6	Bhagalpur	26	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
7	Bhagalpur	27	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
8	Bhagalpur	28	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
9	Bhagalpur	29	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
10	Bhagalpur	30	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
11	Bhagalpur	31	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
12	Bhagalpur	32	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
13	Bhagalpur	33	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
14	Bhagalpur	34	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
15	Bhagalpur	35	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
16	Bhagalpur	36	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
17	Bhagalpur	37	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
18	Bhagalpur	38	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
19	Bhagalpur	39	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
20	Bhagalpur	40	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
21	Bhagalpur	41	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
22	Bhagalpur	42	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
23	Bhagalpur	43	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
24	Bhagalpur	44	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
25	Bhagalpur	45	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
26	Bhagalpur	46	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
27	Bhagalpur	47	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
28	Bhagalpur	48	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
29	Bhagalpur	49	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
30	Bhagalpur	50	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
31	Bhagalpur	51	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
32	Bhagalpur	52	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
33	Bhagalpur	53	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
34	Bhagalpur	54	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
35	Bhagalpur	55	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
36	Bhagalpur	56	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
37	Bhagalpur	57	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
38	Bhagalpur	58	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
39	Bhagalpur	59	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
40	Bhagalpur	60	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
41	Bhagalpur	61	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
42	Bhagalpur	62	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
43	Bhagalpur	63	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
44	Bhagalpur	64	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
45	Bhagalpur	65	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
46	Bhagalpur	66	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
47	Bhagalpur	67	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
48	Bhagalpur	68	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
49	Bhagalpur	69	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
50	Bhagalpur	70	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
51	Bhagalpur	71	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
52	Bhagalpur	72	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
53	Bhagalpur	73	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
54	Bhagalpur	74	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
55	Bhagalpur	75	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
56	Bhagalpur	76	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
57	Bhagalpur	77	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
58	Bhagalpur	78	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
59	Bhagalpur	79	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
60	Bhagalpur	80	0.182	0.411	4780	1138	4780	1138	4780	1138	4780
<b>Total (A)</b>			<b>11.320</b>	<b>25.000</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>
<b>Total (B)</b>			<b>11.320</b>	<b>25.000</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>
<b>Total (C)</b>			<b>11.320</b>	<b>25.000</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>
<b>Total (D)</b>			<b>11.320</b>	<b>25.000</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>	<b>71428</b>	<b>292000</b>
<b>Grand Total (A+B+C+D)</b>			<b>45.280</b>	<b>100.000</b>	<b>1168000</b>	<b>285714</b>	<b>1168000</b>	<b>285714</b>	<b>1168000</b>	<b>285714</b>	<b>1168000</b>

**DEPS SURVEY CO-ORDINATES USED FOR GEO-REFERENCING**

S.No	Point No.	Point Name	Northings	Eastings	Upright
1	BH-1	341033.473	2411614.734	2710019.68997	8572738.64015
2	BH-2	341156.669	2440961.641	2710038.50955	8572739.33607
3	BH-3	341889.011	2441307.759	2710049.97917	8572740.65047
4	BH-4	342555.475	2441648.894	2710061.44879	8572741.96487
5	BH-5	343221.939	2441990.027	2710072.91841	8572743.27927
6	BH-6	343888.403	2442331.160	2710084.38803	8572744.59367
7	BH-7	344554.867	2442672.293	2710095.85765	8572745.90807
8	BH-8	345221.331	2443013.426	2710107.32727	8572747.22247
9	BH-9	345887.795	2443354.559	2710118.79689	8572748.53687
10	BH-10	346554.259	2443695.692	2710130.26651	8572749.85127
11	BH-11	347220.723	2444036.825	2710141.73613	8572751.16567
12	BH-12	347887.187	2444377.958	2710153.20575	8572752.48007
13	BH-13	348553.651	2444719.091	2710164.67537	8572753.79447
14	BH-14	349220.115	2445060.224	2710176.14500	8572755.10887
15	BH-15	349886.579	2445401.357	2710187.61462	8572756.42327
16	BH-16	350553.043	2445742.490	2710199.08424	8572757.73767
17	BH-17	351219.507	2446083.623	2710210.55387	8572759.05207
18	BH-18	351885.971	2446424.756	2710222.02349	8572760.36647
19	BH-19	352552.435	2446765.889	2710233.49311	8572761.68087
20	BH-20	353218.899	2447107.022	2710244.96273	8572763.00000
21	BH-21	353885.363	2447448.155	2710256.43235	8572764.31440
22	BH-22	354551.827	2447789.288	2710267.90197	8572765.62880
23	BH-23	355218.291	2448130.421	2710279.37159	8572766.94320
24	BH-24	355884.755	2448471.554	2710290.84121	8572768.25760
25	BH-25	356551.219	2448812.687	2710302.31083	8572769.57200



**Legend**

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

**PATCH-1**  
Iron Ore Grinding, De-Slimming Plants and Slurry Pumping Station

**PATCH-2**  
Iron Ore Grinding, De-Slimming Plants and Slurry Pumping Station

**PATCH-3**  
Iron Ore Grinding, De-Slimming Plants and Slurry Pumping Station

**PATCH-4**  
Water Treatment & Pumping Station

-DGPS Survey of forest areas proposed for diversion for Construction of Iron Ore Grinding, De-Slimming Plants, Slurry Pumping Station and Water Treatment & Pumping Station of M/S. ISW Utkal Steel Ltd, in Barbil Tahasil, Keonjhar District has been carried out by the user agency through M/S. Visiontek Consultancy Service 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 (55.570 Ac) as mentioned in the submitted land schedule.

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



**SURVEYED AND PREPARED BY:-**

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

**VISIONTEK CONSULTANCY SERVICES PVT. LTD.**