

INDEX MAP SHOWING FOREST AREA PROPOSED TO BE DIVERTED FOR CONSTRUCTION OF 132 KV TRANSMISSION LINE FROM 132/33 KV GRID SUB-STATION AT BARBIL IN KEONJHAR DISTRICT TO KAMANDA STEEL PLANT AT VILLAGE KAMANDA IN SUNDARGARH DISTRICT UNDER BONAI FOREST DIVISION.

Sl No.	Point Id	Easting	Northing	Latitude	Longitude
1	Harish-1	317095.438	2426171.509	N21°55'47.56570"	E85°13'44.76356"
2	Harish-2	316942.325	2424714.303	N21°55'01.76120"	E85°13'59.99509"
3	Harish-3	316733.268	2424634.705	N21°54'50.09501"	E85°13'52.74366"
4	Harish-4	317098.937	2425472.773	N21°55'26.47719"	E85°13'45.14642"
5	Harish-5	316713.581	2425359.037	N21°55'22.68563"	E85°13'41.16993"
6	Harish-6	316734.141	2425135.819	N21°55'15.38609"	E85°13'32.57221"
7	Kasira sh-1-1	317666.4913	2427037.915	N21°56'17.571870"	E85°14'4.299062"
8	Kasira sh-1-6	319181.5962	2426899.208	N21°56'13.431997"	E85°14'57.158597"
9	Rengal-sh-2-4	319052.5981	2428549	N21°57'7.212868"	E85°14'52.003019"
10	Rengal-sh-2-5	319431.4894	2428283.288	N21°56'56.718686"	E85°15'5.289435"
11	KASIRA SH-1-2	318642.9719	2427571.694	N21°56'35.286781"	E85°14'38.105547"
12	K-1a	319385.617	2428202.614	N21°56'36.07564"	E85°15'08.73315"
13	K-2	319398.248	2428185.935	N21°56'36.07564"	E85°15'08.73315"
14	K-4	319379.92	2428158.168	N21°56'54.63509"	E85°15'08.55220"
15	K-5	319354.674	2428172.322	N21°56'55.07610"	E85°15'08.66694"
16	K-6	319343.63	2428092.406	N21°56'52.47731"	E85°15'02.32081"
17	K-13a	319365.255	2428076.064	N21°56'51.95399"	E85°15'09.07393"
18	K-16	319358.065	2428079.632	N21°56'52.07753"	E85°15'08.17034"
19	K-21	319319.543	2427994.075	N21°56'49.23463"	E85°14'58.04277"
20	K-22a	319342.02	2428038.138	N21°56'50.67531"	E85°14'58.79456"
21	Kasira sh-1-6	319181.5962	2426899.208	N21°56'13.431997"	E85°14'57.158597"
22	Kasira sh-2-3	319181.0071	2424878.792	N21°55'7.944053"	E85°14'57.92268"
23	Kasira sh-2-5	319076.1355	2426004.032	N21°55'44.886200"	E85°14'53.82821"
24	K-25	317989.492	2426963.702	N21°56'15.27962"	E85°14'15.57777"
25	K-26	317974.936	2426928.038	N21°56'14.11472"	E85°14'15.08482"
26	K-26a	317975.549	2426928.352	N21°56'14.13174"	E85°14'15.10597"
27	K-27	317897.777	2426787.89	N21°56'09.43882"	E85°14'05.46678"
28	K-28	317687.7	2426812.875	N21°56'10.26344"	E85°14'05.12235"
29	K-29	317562.599	2426952.466	N21°56'14.90437"	E85°14'14.85700"
30	Kus-4-1	317248.747	2427496.995	N21°56'32.33989"	E85°14'49.55213"
31	Kus-4-2a	317637.373	2427492.808	N21°56'32.34457"	E85°14'03.96565"
32	Kus-4-3	317488.694	2426347.658	N21°55'55.06546"	E85°13'58.40978"
33	Kus-4-4	317654.822	2427022.905	N21°56'17.07901"	E85°14'03.88347"
34	Kus-4-5	317427.362	2427110.358	N21°56'19.83667"	E85°13'55.03862"
35	Kus-4-6	317253.226	2426538.467	N21°56'01.77970"	E85°13'50.99372"
36	Rengal-sh-1-1	319504.5685	2428931.45	N21°57'19.847108"	E85°15'10.775106"
37	Rengal sh-1-2	319501.7599	2429488.058	N21°57'37.907399"	E85°15'7.469383"
38	Rengal-sh-1-3	319708.0275	2429549.19	N21°57'39.971566"	E85°15'14.433678"
39	Rengal-sh-1-6	320840.0872	2429170.741	N21°57'26.461108"	E85°15'54.056250"
40	Rengal-sh-1-7	321357.6536	2429823.745	N21°57'49.505846"	E85°15'11.816832"
41	Rengal-sh-1-8	320654.974	2429339.026	N21°57'39.991174"	E85°15'47.439731"
42	Rengal sh-1-9	320383.9285	2429749.529	N21°57'46.754524"	E85°15'37.910001"
43	RENGAL SH-1-5	321023.3749	2430437.607	N21°58'0.338390"	E85°15'59.924430"
44	Rengal-sh-2-1	319253.6403	2426712.302	N21°57'12.596278"	E85°14'58.991150"
45	Rengal-sh-2-2	319556.5104	2428818.464	N21°57'16.159948"	E85°15'9.443076"
46	Rengal-sh-2-3	320045.8169	2428586.716	N21°57'8.807120"	E85°15'26.587532"
47	Rengal-sh-2-7	320524.8565	2428507.205	N21°57'6.236583"	E85°15'43.314945"
48	Rengal-sh-2-8	321193.6742	2426788.379	N21°57'15.786173"	E85°16'6.509760"

Sl No.	Point Id	Easting	Northing	Latitude	Longitude
1	C-98	321109.914	2429609.407	N21°57'30.89326"	E85°16'33.16465"
2	C-99	320779.813	2429793.822	N21°57'46.61374"	E85°15'51.71002"
3	C-100	320565.24	2429571.119	N21°57'41.80272"	E85°15'44.20984"
4	C-101	320804.451	2429178.89	N21°57'28.14284"	E85°15'34.52917"
5	C-102	320445.614	2429001.931	N21°57'24.25044"	E85°15'29.87707"
6	C-103	320804.499	2429028.256	N21°57'23.47515"	E85°15'27.62117"
7	C-104	319889.568	2428924.134	N21°57'19.71861"	E85°15'21.08857"
8	C-105	319677.146	2428762.684	N21°57'14.39176"	E85°15'13.66889"
9	C-106	319459.511	2428705.491	N21°57'02.69845"	E85°15'06.27751"
10	C-107	319415.072	2428663.983	N21°57'01.43455"	E85°15'04.69641"
11	C-108	319386.885	2428307.1	N21°56'59.47287"	E85°15'03.73279"
12	C-109	319556.698	2428086.515	N21°56'52.79157"	E85°15'02.77155"
13	C-110	319070.229	2427930.214	N21°56'47.10213"	E85°14'52.85109"
14	C-111	318948.874	2427768.667	N21°56'41.81219"	E85°14'49.27909"
15	C-112	318806.303	2427371.751	N21°56'28.89309"	E85°14'47.02887"
16	C-113	318655.277	2427305.696	N21°56'26.85043"	E85°14'45.68684"
17	C-114	318709.228	2427234.962	N21°56'24.38844"	E85°14'40.54854"
18	C-115	317867.404	2426942.511	N21°56'23.38247"	E85°14'34.80894"
19	C-116	317614.315	2426760.854	N21°56'08.54479"	E85°14'02.58620"
20	C-117	317547.603	2426597.582	N21°56'02.21197"	E85°14'00.32720"
21	C-118	317408.129	2426422.148	N21°55'57.45689"	E85°13'55.57247"
22	C-119	317375.701	2426247.764	N21°55'51.77529"	E85°13'54.87801"
23	C-120	317408.228	2426181.185	N21°55'49.58555"	E85°13'52.15377"
24	C-121	317212.143	2426105.2	N21°55'47.07931"	E85°13'48.83645"
25	C-122	317231.352	2425881.05	N21°55'39.82560"	E85°13'49.59554"
26	C-123	317172.071	2425758.819	N21°55'35.80374"	E85°13'47.57952"
27	C-124	317191.943	2425649.811	N21°55'32.22996"	E85°13'44.83087"
28	C-125	316977.804	2425618.053	N21°55'31.15456"	E85°13'40.86056"
29	C-126	316888.492	2425673.371	N21°55'32.92119"	E85°13'38.09186"



Scale: 1:10000

Legend	
	DGPS Surveyed Geo Referenced Points
	Center Line Points
	Center Line
	Forest Plots
	Transmission Line Corridor
	Village Boundary

S.No	Pict No	Village Name	Ha/ Kissan	Subk Kissan	Req Area Ha	Map Area Ha
1	6	Harishchandrapur	Gramaya Jungle		0.320	0.240
2	4	Harishchandrapur	Jungle		0.880	0.856
3	55	Kasira	Barda Jungle		0.259	0.274
4	56	Kasira	Barda Jungle		0.028	0.088
5	54	Kasira	Barda Jungle		0.330	0.325
6	53	Kasira	Barda Jungle		0.044	0.028
7	113	Kasira	Barda Jungle		0.035	0.029
8	168	Kusumdihi	Jungle		0.044	0.033
9	440	Kusumdihi	Jungle		0.112	0.019
10	282	Rengalabada	Jungle		0.006	0.011
11	268	Rengalabada	Jungle		0.390	0.469
12	264	Rengalabada	Jungle		0.002	0.060
13	147	Rengalabada	Jungle		0.060	0.040
14	144	Rengalabada	Jungle		0.015	0.001
15	153	Rengalabada	Jungle		0.020	0.034
16	128	Rengalabada	Jungle		0.061	0.022
17	76	Rengalabada	Jungle		0.185	0.180
Total=					3.701	3.528

- DGPS Survey of forest areas proposed for diversion on the Right of way of 132 KV Transmission line from 132/33 KV Grid Sub-Station at Barbil, Keonjhar district to Kamanda Steel Plant at village Kamanda, Sundargarh district of M/s. Rungta Mines Ltd. Coming under Bonai Forest Division 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 six cadastral sheets of four Revenue villages. Total forest areas proposed for diversion works out to 3.528 Ha. from the submitted shp files against the allotted area of 3.701 Ha. as mentioned in the submitted land schedule.

- Additional 6 maps showing cadastral sheet wise forest areas proposed for diversion are attached here with.

(Signature)
Ashok Mohapatra
Quantities Secy



Surveyed and Prepared By:-

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