

SUITABILITY CERTIFICATE

Certified that (i) **Non-Forest Govt. Land (effective area available for plantation – 88 Ha out of identified 264.424 Ha)** identified in villages Keshrijima, Bendrichua, Kunjanala, Laxmanpa, Etama, , Phateimunda, Gambharidihi, Budhabahal, Telendihi of Tahasil Hemgir, Lephripa, Badagaon, , Balisankara and Tangarpali of Dist. Sundargarh, (ii) **DLC land (69.078 Ha)** in villages Kunjnala, and Galeibahal of Tahasil Lephripa and Badagaon of Dist. Sundargarh (iii) **Additional DLC Land (effective area available for plantation – 95 Ha out of identified 100.600 Ha)** in villages Karuabahal, Khaturbahal, Kandeimunda, Tunumura, Bailama, of Tahasil Balisankara & Kutra of Sundergarh District , Sundargarh Forest Division is suitable for the purpose of Compensatory Afforestation in lieu of Forest Land over 342.87 ha to be diverted for the development of Dip side Manoharpur Coal Mine by Odisha Coal and Power Ltd. The identified area for CA purpose is suitable for plantation and no plantation has been carried out in the identified CA land in any scheme previously. In addition to above, balance seedlings to meet the criteria of "Tree by Tree", plantation will be carried out in the Degraded Revenue Forest Land of 160 Ha in Kondakanmberu URL of Malkhangiri Forest Division.

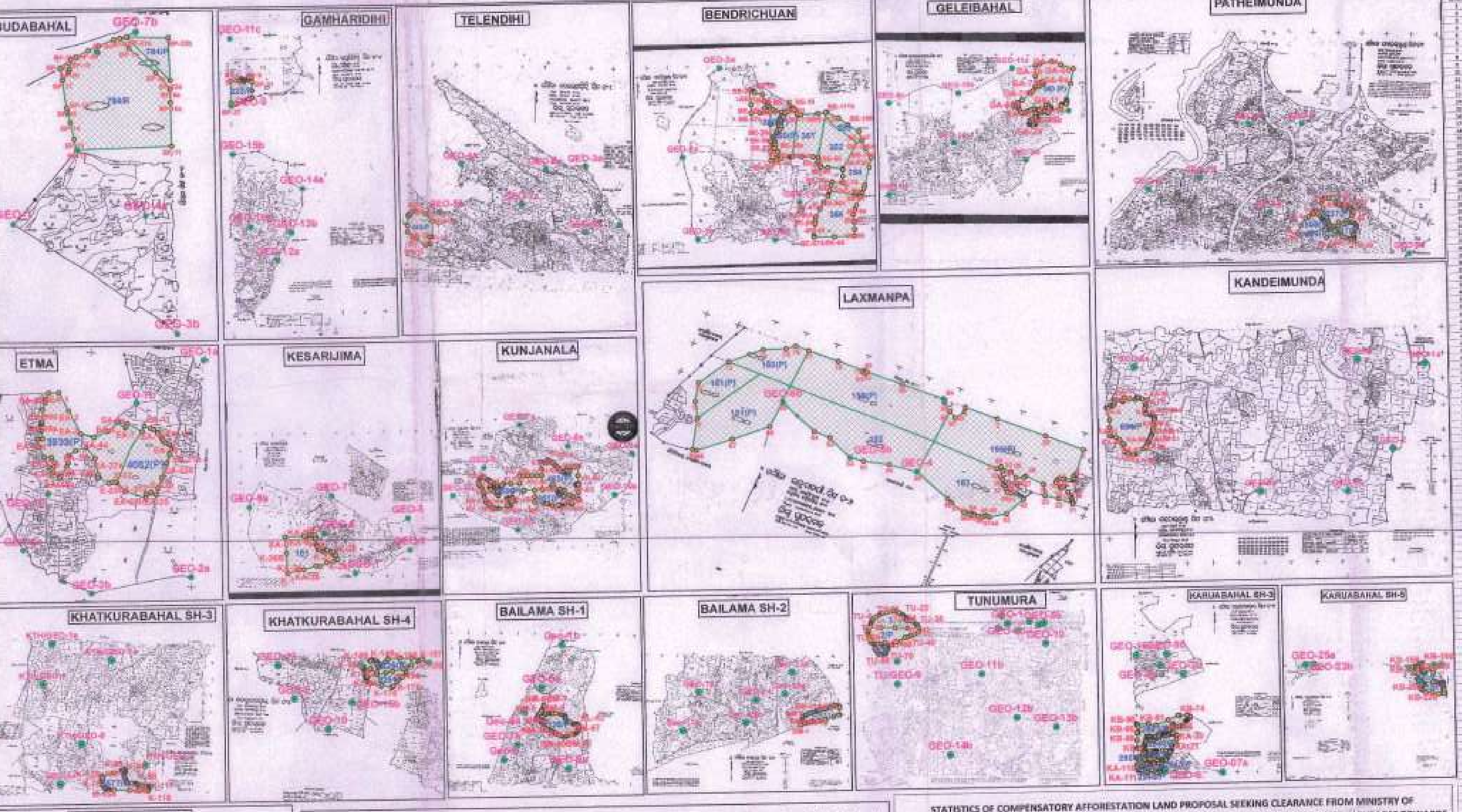


Divisional Forest Officer,

Sundargarh Forest Division

**DIVISIONAL FOREST OFFICER
SUNDARGARH FOREST DIVISION**

INDEX MAP SHOWING PROPOSED COMPENSATORY AFFORESTATION LAND IN LACHHMANPA & KUNJANALA VILLAGE UNDER LEPHRIPARA TAHASIL, ETMA, GELEIBAHAL VILLAGE UNDER BARGAON TAHASIL, KESARIJIMA & BENDRICHUAN VILLAGE UNDER HEMGIRI TAHASIL AND ATHEIMUNDA VILLAGE UNDER BALISANKARA TAHASIL, KARUBAHAL VILLAGE UNDER BALISANKARA TAHASIL, KHATKURABHAL, TUNMURA & BAILAMA VILLAGE UNDER KUTRA TAHASIL, TELENDIHI, BUDABHAL & GAMBHARIDHI VILLAGE UNDER TANGARPALI TAHASIL OF SUNDERGARH DISTRICT IN LIEU OF FOREST AREA PROPOSED (342.87 HA.) FOR DIVERSION FOR DEVELOPMENT OF DIP SIDE MANOHARPUR COAL BLOCK OF OCPL.



STATISTICS OF COMPENSATORY AFFORESTATION LAND PROPOSAL SEEKING CLEARANCE FROM MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE FOR DIVERSION OF FOREST LAND FOR NON-FORESTRY PURPOSE TOWARDS DEVELOPMENT OF DIP-SIDE MANOHARPUR COAL MINING PROJECT OF ORISSA COAL AND POWER LTD. (OCPL).

S.NO.	TAHASIL	VILLAGE NAME	PLOT NO.	KISAM	ALLOTTED AREA AC.	ALLOTTED AREA HA.	MAP AREA HA.
1	HEMGIRI	BENDRICHUAN	351	PATNAR DUNGI	29.7	12.15	12.15
2	HEMGIRI	BENDRICHUAN	352	PATNAR DUNGI	31.42	12.715	12.715
3	HEMGIRI	BENDRICHUAN	354	PATNAR DUNGI	29.6	11.979	11.979
4	HEMGIRI	BENDRICHUAN	356	PATNAR DUNGI	41.25	16.306	16.306
5	HEMGIRI	BENDRICHUAN	354(P)	PATNAR DUNGI	37.81	15.301	14.116
6	HEMGIRI	ETMA	151	PAHAD	8.95	3.622	3.705
7	LEPHRIPADA	GELEIBAHAL	580 (P)	DUNGI	76.87	31.028	30.724
8	LEPHRIPADA	ETMA	393(P)	TUNGRI	30.99	12.541	11.488
9	LEPHRIPADA	ETMA	402(P)	PATNAR DUNGI	17.52	7.109	6.808
10	HEMGIRI	KESARIJIMA	180	PAHAD	17.42	7.05	6.306
11	LEPHRIPADA	LACHHMANPA	150(P)	PAHAD	62.53	25.306	24.079
12	LEPHRIPADA	LACHHMANPA	150(P)	PAHAD	62.53	25.306	24.079
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19	LEPHRIPADA	LACHHMANPA	150(P)	PAHAD	62.53	25.306	24.079
20	LEPHRIPADA	LACHHMANPA	150(P)	PAHAD	62.53	25.306	24.079
21	BALISANKARA	PATHEIMUNDA	433(P)	TUNGRI	21.05	8.522	7.795
22	BALISANKARA	PATHEIMUNDA	433(P)	PAHAD	11	4.45	5.171
23	BALISANKARA	PATHEIMUNDA	123(P)	PAHAD	8.37	3.387	3.051
A. TOTAL CA LAND AGAINST DIP-SIDE MANOHARPUR COAL MINE PROJECT OF OCPL (SIC-418 DT-18-12-22)					776.87	313.384	301.643
S. NO.	TAHASIL	VILLAGE NAME	PLOT NO.	KISAM	ALLOTTED AREA AC.	ALLOTTED AREA HA.	MAP AREA HA.
1	KUTRA	BAILAMA	123(P)	DUNGI	22.38	9.078	8.969
2	KUTRA	BAILAMA	123(P)	DUNGI	15.72	6.363	6.361
3	KUTRA	BAILAMA	123(P)	DUNGI	31.23	12.639	11.376
4	BALISANKARA	KARUBAHAL	292(P)	DUNGI	18.78	7.632	6.772
5	BALISANKARA	KARUBAHAL	294(P)	DUNGI	11.29	4.573	4.197
6	BALISANKARA	KARUBAHAL	294(P)	DUNGI	9.34	3.783	3.073
7	BALISANKARA	KARUBAHAL	292(P)	DUNGI	2.45	0.993	0.962
8	BALISANKARA	KARUBAHAL	294(P)	DUNGI	1.59	0.642	0.645
9	BALISANKARA	KARUBAHAL	294(P)	DUNGI	14.98	6.063	5.953
10	BALISANKARA	KARUBAHAL	292(P)	DUNGI	3.5	1.413	1.413
11	BALISANKARA	KARUBAHAL	292(P)	DUNGI	23.62	9.532	8.479
12	KUTRA	KHATKURABHAL	167(P)	DUNGI	19.13	7.743	7.729
13	KUTRA	KHATKURABHAL	222(P)	DUNGI	9.48	3.818	3.818
14	KUTRA	KHATKURABHAL	222(P)	DUNGI	7.07	2.803	3.08
15	KUTRA	KHATKURABHAL	222(P)	DUNGI	21.08	8.51	8.522
16	KUTRA	TUNMURA	2/P	PAHAD	27.5	10.948	10.945
B. TOTAL CA LAND FOR DIP-SIDE MANOHARPUR COAL BLOCK (SIC-463 DT-28-11-22)					248.03	100.6	97.38
S. NO.	TAHASIL	VILLAGE NAME	PLOT NO.	KISAM	ALLOTTED AREA AC.	ALLOTTED AREA HA.	MAP AREA HA.
1	TANGARPALI	TELENDIHI	483(P)	TUNGRI	22.5	9.078	9.306
2	TANGARPALI	BUDABHAL	784(P)	TUNGRI	24.73	10	10.24
3	TANGARPALI	GAMBHARIDHI	223(P)	PAHAD	10	4.047	4.032
C. TOTAL CA LAND AREA					472.41	193.16	195.76
GRAND TOTAL AREA (A+B+C)					1025.11	414.102	421.479

Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- DGPS SURVEYED BOUNDARY POINTS
- DERIVE POINTS
- COMPENSATORY AFFORESTATION LAND

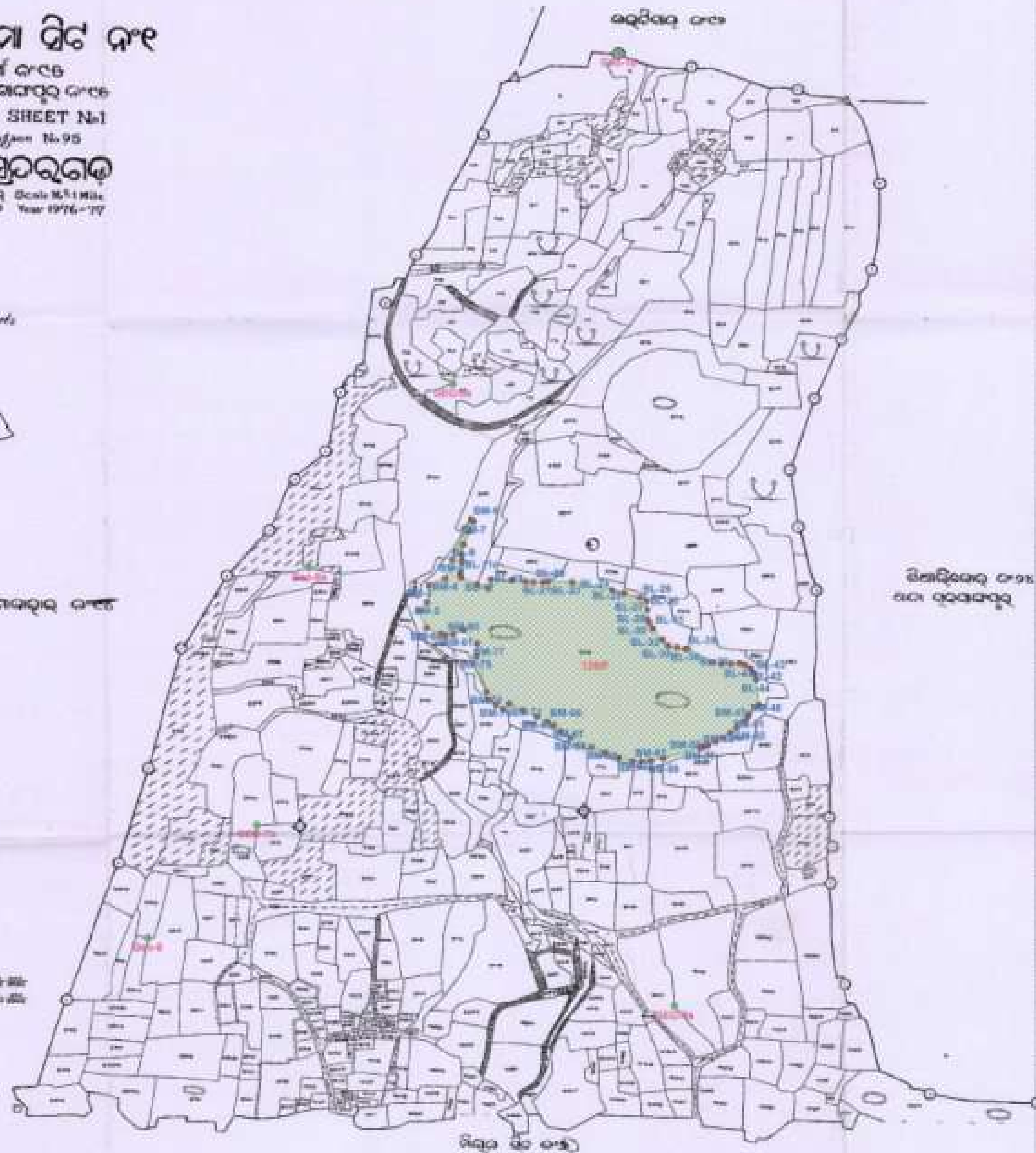
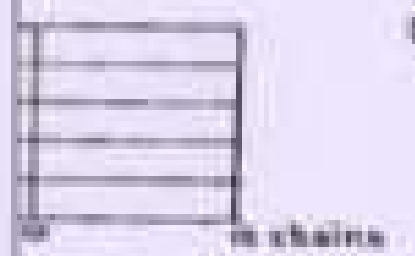
SURVEYED & PREPARED BY :-

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

CEMC

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ପ୍ରଥମ ପର୍ଯ୍ୟନ୍ତ
ଉପଯୋଗୀ ସେଟ୍ ଫର୍ମ
BAILAMA SHEET No.1
Thana Barangam No.95
ଜିଲ୍ଲା ହସ୍ତକଳା
ଫର୍ମ ଆବେଦନ କରନ୍ତୁ
ପଞ୍ଜିକରଣ-୧୯୭୬ Year 1976-77



SL NO	POINT ID	DGPS SURVEYED BOUNDARY POINTS			
		LATITUDE	LONGITUDE	EASTING	NORTHING
1	B-6	22°13'45.14237"	84°23'42.27167"	2348860.201	24367706.469
2	B-9	22°13'44.40598"	84°23'47.97399"	2348851.518	24367725.703
3	B-10	22°13'41.92888"	84°23'41.89548"	2348846.701	24367718.307
4	B-13a	22°13'43.80533"	84°23'41.89244"	2348846.532	24367709.322
5	B-12	22°13'48.01325"	84°23'41.81330"	2348846.019	24368081.11
6	B-13b	22°13'42.81201"	84°23'41.90011"	2348845.483	24368084.889
7	B-14	22°13'42.74877"	84°23'41.84072"	2348846.861	24368082.086
8	B-13a	22°13'42.38437"	84°23'42.68461"	2348870.389	24368071.362
9	B-18	22°13'42.13508"	84°23'42.28203"	2348857.59	24368683.8
10	B-17	22°13'42.64903"	84°23'42.39482"	2348851.082	24368079.288
11	B-18	22°13'42.80158"	84°23'44.48895"	2348851.855	24368077.183
12	B-19	22°13'42.52903"	84°23'45.22241"	2348843.387	24368074.759
13	B-30	22°13'42.30344"	84°23'43.81138"	2348850.091	24368073.55
14	B-21	22°13'42.43888"	84°23'44.15326"	2348876.1	24368073.19
15	B-22a	22°13'42.52670"	84°23'44.38813"	2348876.816	24368073.847
16	B-23	22°13'42.48828"	84°23'47.63848"	235012.452	24368072.131
17	B-24	22°13'42.07553"	84°23'48.72368"	2350572.126	24368088.486
18	B-25	22°13'41.82117"	84°23'50.33206"	2350888.48	24368603.4
19	B-36	22°13'41.88801"	84°23'51.17178"	2351118.82	24368608.883
20	B-27	22°13'41.32102"	84°23'51.31607"	235123.026	24368600.525
21	B-28	22°13'41.08805"	84°23'51.54218"	235124.294	24368626.584
22	B-29	22°13'40.32797"	84°23'51.29847"	235124.386	24368605.809
23	B-30	22°13'40.37888"	84°23'51.68848"	235126.294	24368603.244
24	B-31	22°13'40.07507"	84°23'51.83972"	235131.718	24368595.885
25	B-32	22°13'39.49961"	84°23'52.32848"	235140.429	24368077.921
26	B-33	22°13'39.18984"	84°23'51.63887"	235154.012	24368668.238
27	B-34a	22°13'39.00003"	84°23'53.09703"	235167.232	24368064.348
28	B-35	22°13'39.01251"	84°23'53.50798"	235179.825	24368862.346
29	B-36	22°13'39.00478"	84°23'53.63923"	235183.296	24368627.049
30	B-37	22°13'38.32143"	84°23'54.86853"	235220.914	24368640.58
31	B-38	22°13'38.23593"	84°23'55.42523"	235233.442	24368537.326
32	B-39	22°13'38.24858"	84°23'55.84870"	235248.503	24368537.609
33	B-40a	22°13'38.36823"	84°23'56.30557"	235260.459	24368538.073
34	B-41	22°13'38.18211"	84°23'56.66478"	235268.888	24368535.378
35	B-42	22°13'37.99888"	84°23'58.94388"	235276.89	24368529.533
36	B-43	22°13'37.79430"	84°23'57.12607"	235281.883	24368521.884
37	B-44	22°13'37.48141"	84°23'57.23218"	235284.851	24368521.981
38	BMA-1	22°13'41.80130"	84°23'58.88875"	2347893.48	24368500.589
39	BMA-2	22°13'41.46008"	84°23'40.08404"	234789.062	24368644.20
40	BMA-5	22°13'42.35771"	84°23'40.15831"	234798.181	24368671.775
41	BMA-4	22°13'42.68825"	84°23'41.00700"	234823.638	24368681.67
42	BMA-6	22°13'43.66167"	84°23'41.36841"	234832.435	24368711.304
43	BMA-6	22°13'43.70278"	84°23'41.36160"	234833.102	24368775.587
44	BMA-7	22°13'43.85488"	84°23'42.88237"	234886.904	24368773.09
45	BMA-3	22°13'36.20004"	84°23'37.30840"	235128.781	24368070.882
46	BMA-4b	22°13'36.02140"	84°23'37.50014"	235128.068	24368488.408
47	BMA-47	22°13'36.41977"	84°23'36.84801"	235173.808	24368456.388
48	BMA-48	22°13'36.50463"	84°23'36.80251"	235177.538	24368452.827
49	BMA-49	22°13'36.25311"	84°23'36.59788"	235128.075	24368445.187
50	BMA-50	22°13'36.33573"	84°23'36.24656"	235125.14	24368435.396
51	BMA-51	22°13'36.47168"	84°23'36.31195"	235134.587	24368427.631
52	BMA-52	22°13'36.43081"	84°23'36.49840"	235133.975	24368420.808
53	BMA-53	22°13'36.22054"	84°23'36.14836"	235123.471	24368404.119
54	BMA-54	22°13'36.02533"	84°23'36.74301"	235111.755	24368401.31
55	BMA-55	22°13'36.37951"	84°23'36.49725"	235129.687	24368406.93
56	BMA-56	22°13'36.30738"	84°23'36.32388"	235129.848	24368406.284
57	BMA-57	22°13'36.87290"	84°23'36.50418"	235199.104	24368405.823
58	BMA-58	22°13'36.35088"	84°23'36.38439"	235143.818	24368388.793
59	BMA-59	22°13'36.21200"	84°23'36.78051"	235125.511	24368384.742
60	BMA-60	22°13'36.16943"	84°23'36.27967"	235112.068	24368383.628
61	BMA-61	22°13'36.18128"	84°23'36.77594"	235090.87	24368384.572
62	BMA-62	22°13'36.38934"	84°23'36.08134"	235077.848	24368391.10
63	BMA-63	22°13'36.64125"	84°23'36.35334"	235057.117	24368398.11
64	BMA-64	22°13'36.82888"	84°23'36.65823"	235037.349	24368386.188
65	BMA-65	22°13'36.38703"	84°23'37.52830"	235005.211	24368422.945
66	BMA-66	22°13'36.71896"	84°23'37.08428"	234991.916	24368403.385
67	BMA-67	22°13'36.02333"	84°23'36.67217"	2349881.012	24368402.938
68	BMA-68	22°13'36.21044"	84°23'36.36128"	234972.267	24368440.611
69	BMA-69	22°13'36.49270"	84°23'36.81138"	234856.648	24368457.757
70	BMA-70	22°13'36.32507"	84°23'36.08306"	234835.952	24368468.738
71	BMA-71	22°13'36.13618"	84°23'36.56475"	234815.828	24368478.916
72	BMA-72	22°13'36.11743"	84°23'36.85848"	234895.226	24368478.066
73	BMA-74	22°13'36.36185"	84°23'36.28151"	234884.555	24368485.773
74	BMA-75	22°13'36.78848"	84°23'36.16700"	234883.118	24368488.916
75	BMA-76	22°13'36.64457"	84°23'36.63898"	234867.176	24368506.313
76	BMA-77	22°13'36.39984"	84°23'36.68898"	234868.111	24368576.488
77	BMA-78	22°13'36.32000"	84°23'36.96380"	234848.877	24368598.966
78	BMA-79	22°13'36.78699"	84°23'36.42965"	234833.279	24368582.109
79	BMA-80	22°13'36.73679"	84°23'36.03918"	234821.49	24368680.714
80	BMA-81	22°13'36.31489"	84°23'36.40756"	234814.894	24368695.203
81	BMA-82	22°13'36.11068"	84°23'36.06318"	234783.718	24368602.635



DGPS SURVEYED GEO-REFERENCE POINTS					
SL NO	POINT ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING
1	Geo-1b	22°12'09.97567"	84°25'50.04500"	235095.891	2457516.751
2	GEO-5a	22°11'52.78073"	84°25'41.39022"	234838.932	2456991.885
3	Geo-6a	22°11'43.26838"	84°25'33.87557"	234618.642	2456702.853
4	GEO-7b	22°11'29.91494"	84°25'31.14721"	234533.485	2456293.306
5	Geo-8	22°11'24.00661"	84°25'25.42347"	234366.384	2456114.298
6	GEO-9a	22°11'20.44347"	84°25'52.96478"	235153.72	2455991.272

DERIVE POINTS					
SL NO.	PILLAR ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	65	84°25'44.03244"	22°11'35.85372"	234905.809	2456469.774

AREA STATISTICS							
SL NO	VILLAGE NAME	KHATA NO	PLOT NO	KISSAM	ALLOTTED AREA IN AC.	ALLOTTED AREA IN HA.	MAP AREA IN HA.
1	BAILAMA	109	125/P	DUNGRI	22.18	8.978	8.969
TOTAL AREA					22.18	8.978	8.969

Legend

- DGPS SURVEYED GEO-REFERENCE POINTS
 - CA LAND BOUNDARY PILLAR POINTS
 - DERIVE POINTS
- DLC CA LAND**

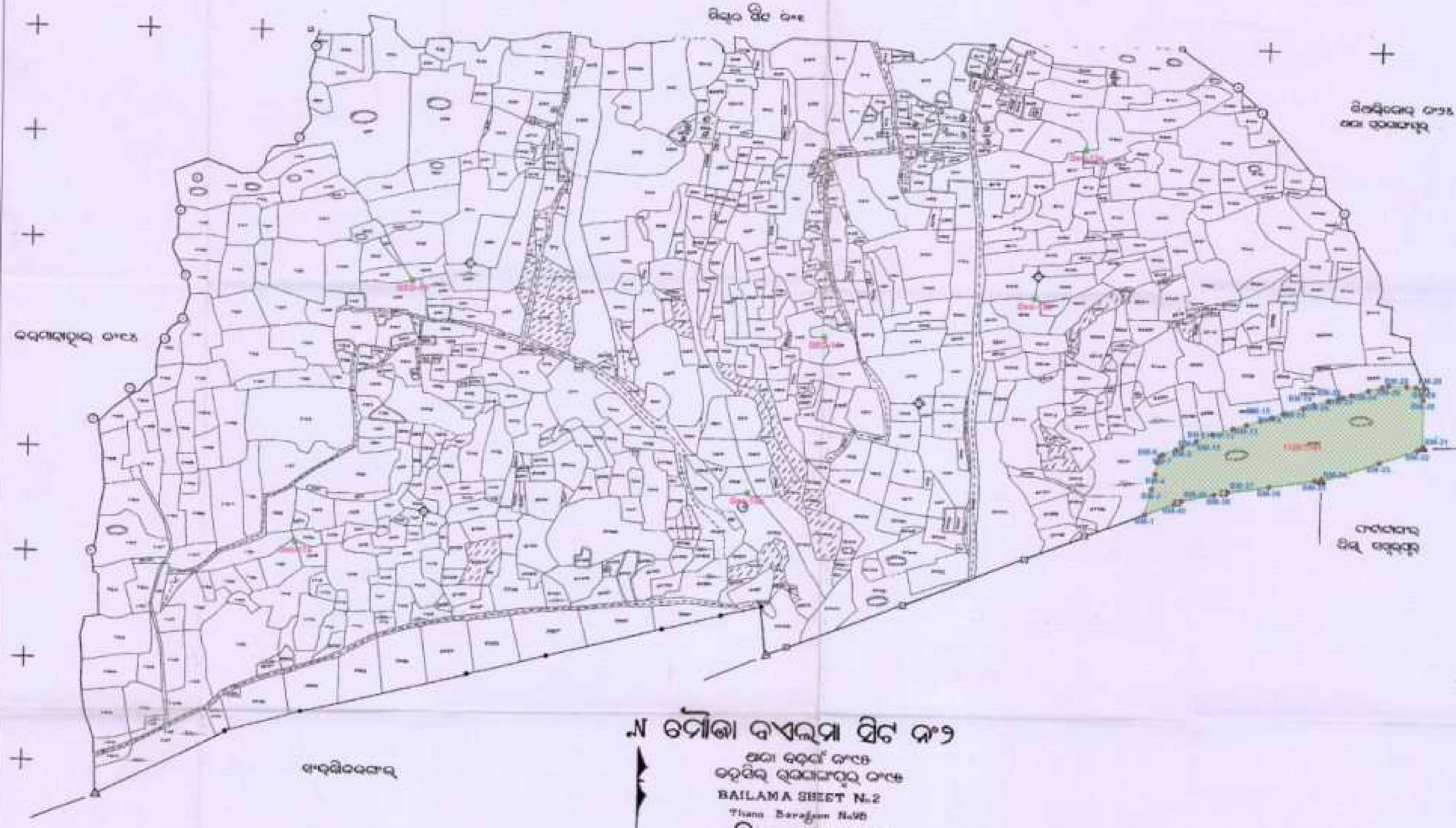


SURVEYED & PREPARED BY :-

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



DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATAGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE BAILMA SH-2 UNDER KUTRA TAHASIL , IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)



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 ଗୌଡ଼ା ବସନ୍ତା ଗାଁ
BAILAMA SHEET N.2
 Thana Barajam Nakh
ବିଲ୍ଡିଙ୍ଗ୍ ଟାଏଲ୍
 ବିଲ୍ଡିଙ୍ଗ୍ ଟାଏଲ୍
 Scale 1:2,000
 Mar 1996-'97

- Legend**
- DGPS SURVEYED GEO-REFERENCING POINTS
 - CA LAND BOUNDARY PILLAR POINTS
 - DLC CA LAND

DGPS SURVEYED BOUNDARY POINTS					
SL NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	BM-1	84°26'11.57811"	22°10'45.22213"	235448.764	2454898.521
2	BM-2	84°26'11.98466"	22°10'45.21316"	235448.242	2454947.285
3	BM-3	84°26'12.29419"	22°10'47.78248"	235688.037	2454976.997
4	BM-4	84°26'12.34552"	22°10'48.49708"	235682.459	2454998.936
5	BM-5	84°26'12.47151"	22°10'48.90048"	235686.279	2455011.267
6	BM-6	84°26'12.67130"	22°10'49.00634"	235702.065	2455014.425
7	BM-7	84°26'13.48670"	22°10'49.31446"	235725.586	2455023.513
8	BM-8	84°26'13.85908"	22°10'49.47374"	235736.341	2455029.294
9	BM-9	84°26'14.76612"	22°10'49.88527"	235762.547	2455040.457
10	BM-10	84°26'15.79365"	22°10'50.32156"	235792.219	2455053.384
11	BM-11	84°26'17.09796"	22°10'50.68920"	235829.788	2455064.064
12	BM-12	84°26'17.93702"	22°10'50.93016"	235853.958	2455071.072
13	BM-13	84°26'18.82922"	22°10'51.19741"	235879.644	2455078.864
14	BM-14	84°26'19.56136"	22°10'51.41317"	235900.754	2455085.148
15	BM-15	84°26'20.25758"	22°10'51.67542"	235920.844	2455092.88
16	BM-16	84°26'20.35321"	22°10'51.68320"	235923.589	2455093.073
17	BM-17	84°26'21.51185"	22°10'52.00433"	235956.958	2455102.353
18	BM-18	84°26'22.17523"	22°10'52.22810"	235976.084	2455108.958
19	BM-19	84°26'23.09023"	22°10'52.47204"	236002.432	2455116.021
20	BM-20	84°26'23.73831"	22°10'52.66174"	236021.102	2455121.544
21	BM-21	84°26'24.00974"	22°10'52.71151"	236028.906	2455122.944
22	BM-22	84°26'24.53368"	22°10'52.85523"	236048.995	2455127.113
23	BM-23	84°26'25.60564"	22°10'53.15023"	236074.867	2455135.671
24	BM-24	84°26'26.47629"	22°10'53.37880"	236099.935	2455142.277
25	BM-25	84°26'26.87276"	22°10'53.48697"	236111.353	2455145.419
26	BM-26	84°26'27.98834"	22°10'53.45665"	236143.302	2455148.947
27	BM-27	84°26'28.57142"	22°10'53.39981"	236155.985	2455141.916
28	BM-28	84°26'29.07184"	22°10'53.34814"	236174.288	2455140.084
29	BM-29	84°26'29.02930"	22°10'52.63613"	236172.732	2455118.197
30	BM-30	84°26'29.04174"	22°10'49.58470"	236171.482	2455024.302
31	BM-31	84°26'28.72398"	22°10'48.42208"	236162.292	2455019.452
32	BM-32	84°26'26.35332"	22°10'48.63965"	236083.951	2454996.524
33	BM-33	84°26'22.69846"	22°10'47.45456"	235988.599	2454961.828
34	BM-34	84°26'22.26982"	22°10'47.47277"	235976.325	2454962.596
35	BM-35	84°26'19.41993"	22°10'47.06039"	235884.416	2454951.286
36	BM-36	84°26'16.82541"	22°10'46.70584"	235819.919	2454941.636
37	BM-37	84°26'15.94506"	22°10'46.51382"	235794.579	2454936.15
38	BM-38	84°26'13.86842"	22°10'46.12037"	235734.865	2454925.05
39	BM-39	84°26'13.41367"	22°10'45.90101"	235721.719	2454918.521

DGPS SURVEYED GEO-REFERENCE POINTS					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	Geo-12a	84°26'07.99316"	22°11'08.02931"	235566.435	2455602.205
2	Geo-13a	84°26'04.44887"	22°10'58.69255"	235471.873	2455316.446
3	Geo-14	84°25'51.26837"	22°10'56.08137"	235092.409	2455242.497
4	Geo-15a	84°25'46.50577"	22°10'46.27687"	234950.817	2454943.135
5	Geo-16	84°25'25.22428"	22°10'59.38843"	234347.811	2455357.222
6	Geo-17a	84°25'18.04931"	22°10'42.90773"	234133.577	2454893.372

AREA STATISTICS							
S.NO	VILLAGE NAME	KHATA NO.	PLOT NO.	RISAM	ALLOTTED AREA IN AC.	ALLOTTED AREA IN HA.	MAP AREA IN HA.
1	BAILAMA	SH	128/1341	DUNGH	15.72	6.362	6.339
TOTAL AREA					15.72	6.362	6.339

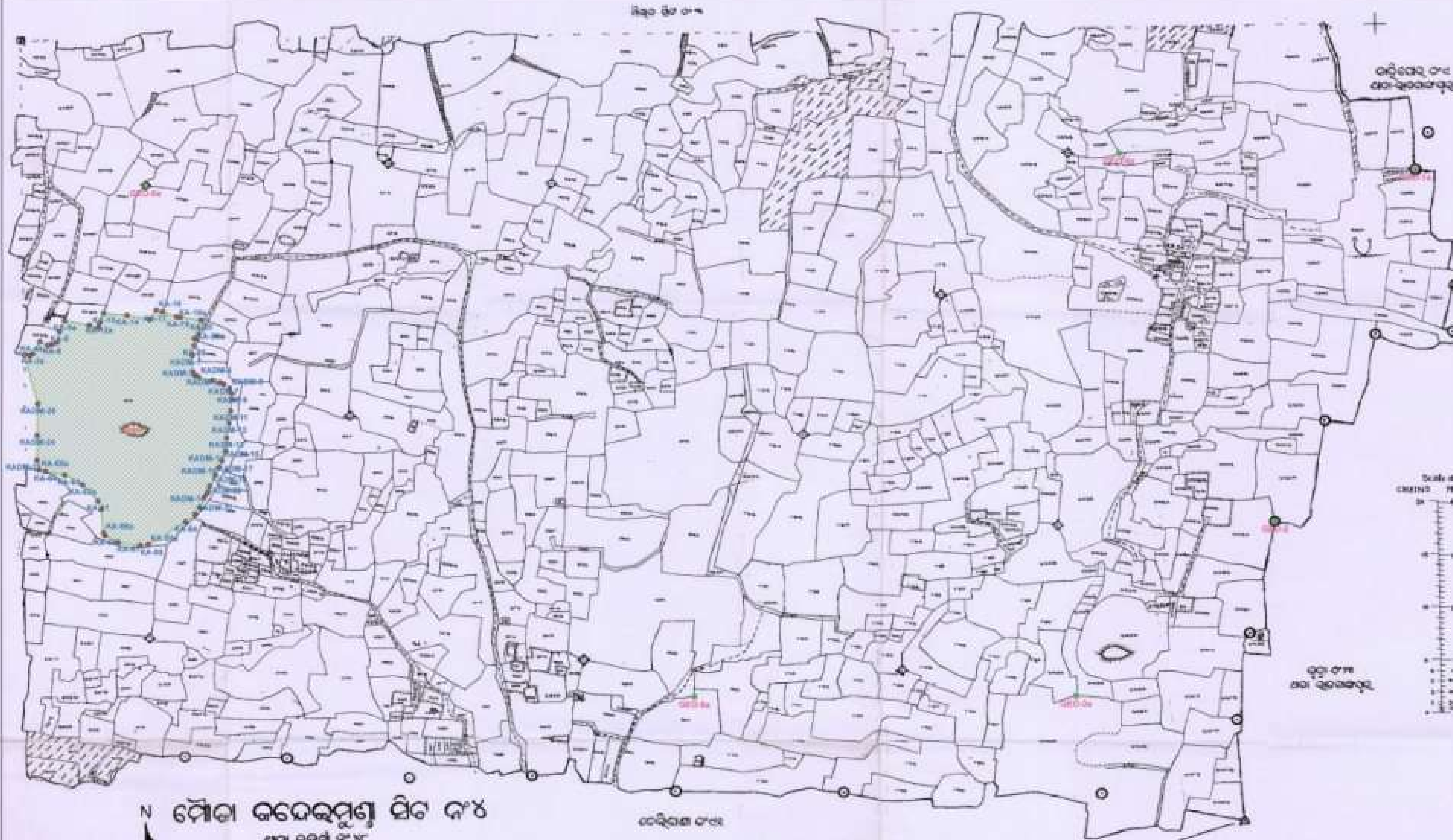
SURVEYED & PREPARED BY :-

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

CEMC

DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATEGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE KANDEIMUNDA UNDER KUTRA TAHSIL , IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)

1:3,960



SL. NO.	POINT_ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING_M
1	KA-1a	22°14'14.97432"	84°24'18.12000"	23574.967	246138.155
2	KA-2a	22°14'14.95512"	84°24'18.10521"	23584.778	246138.348
3	KA-3a	22°14'15.02188"	84°24'18.09957"	23584.097	246138.437
4	KA-4a	22°14'15.00768"	84°24'18.12222"	23572.902	246138.547
5	KA-5	22°14'15.58862"	84°24'18.62351"	23577.146	246148.348
6	KA-6	22°14'15.64129"	84°24'18.88892"	23574.777	246148.968
7	KA-7a	22°14'15.79962"	84°24'18.20462"	23574.854	246143.341
8	KA-8a	22°14'15.46332"	84°24'18.15172"	23578.532	246142.290
9	KA-9a	22°14'17.11194"	84°24'18.64807"	23547.868	246145.715
10	KA-10a	22°14'18.06175"	84°24'18.21181"	23576.854	246144.877
11	KA-11a	22°14'18.07280"	84°24'18.78019"	23587.588	246143.181
12	KA-12a	22°14'18.06788"	84°24'18.82647"	23588.588	246144.988
13	KA-13	22°14'17.58171"	84°24'18.10112"	23587.811	246144.010
14	KA-14	22°14'17.43167"	84°24'18.56270"	23585.485	246144.677
15	KA-15	22°14'17.14180"	84°24'18.56270"	23588.822	246145.717
16	KA-16	22°14'17.73952"	84°24'18.34807"	23581.388	246145.867
17	KA-17	22°14'17.68887"	84°24'18.78118"	23582.870	246146.717
18	KA-18a	22°14'17.24128"	84°24'18.64207"	23587.773	246145.382
19	KA-19	22°14'17.20248"	84°24'18.88812"	23584.823	246145.647
20	KA-20	22°14'17.12140"	84°24'18.16422"	23581.243	246144.678
21	KA-21a	22°14'15.96848"	84°24'18.78182"	23579.138	246143.440
22	KA-25	22°14'15.52222"	84°24'18.74117"	23578.445	246144.812
23	KA-24	22°14'14.68847"	84°24'18.21901"	23587.908	246144.324
24	KA-26a	22°14'14.23462"	84°24'18.90307"	23588.534	246142.895
25	KA-24	22°14'13.34467"	84°24'18.38112"	23585.868	246142.252
26	KA-27	22°14'13.38167"	84°24'18.94829"	23587.418	246142.873
27	KA-28	22°14'13.78455"	84°24'18.21901"	23583.964	246142.488
28	KA-29a	22°14'13.96122"	84°24'18.10889"	23583.684	246144.681
29	KA-30	22°14'13.43268"	84°24'18.88892"	23587.346	246145.825
30	KA-41	22°14'13.58129"	84°24'18.78182"	23581.364	246145.445
31	KA-51a	22°14'13.52532"	84°24'18.78894"	23574.625	246145.728
32	KA-53	22°14'17.51788"	84°24'18.78182"	23544.038	246145.898
33	KA-54	22°14'17.78158"	84°24'18.48812"	23579.245	246146.229
34	KA-55a	22°14'17.87467"	84°24'18.07118"	23587.484	246146.247
35	KADM-1	22°14'14.82712"	84°24'18.43072"	23574.824	246138.598
36	KADM-2	22°14'13.88024"	84°24'18.88892"	23575.827	246140.810
37	KADM-3	22°14'13.88467"	84°24'18.81118"	23579.389	246143.711
38	KADM-4	22°14'13.54467"	84°24'18.03889"	23585.170	246139.488
39	KADM-5	22°14'13.38929"	84°24'18.88892"	23585.952	246143.645
40	KADM-6	22°14'13.24534"	84°24'18.34807"	23582.011	246142.812
41	KADM-7	22°14'13.25187"	84°24'18.37389"	23585.538	246142.848
42	KADM-8	22°14'13.88467"	84°24'18.36189"	23582.572	246142.823
43	KADM-9	22°14'13.58124"	84°24'18.11118"	23584.648	246140.810
44	KADM-10	22°14'13.58179"	84°24'18.11118"	23584.648	246140.810
45	KADM-11	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
46	KADM-12	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
47	KADM-13	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
48	KADM-14	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
49	KADM-15	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
50	KADM-16	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
51	KADM-17	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
52	KADM-18	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
53	KADM-19	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
54	KADM-20	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
55	KADM-21	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
56	KADM-22	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
57	KADM-23	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
58	KADM-24	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810
59	KADM-25	22°14'13.58165"	84°24'18.11118"	23584.648	246140.810

SL.NO.	POINT_ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING_M
1	GEO-1a	22°14'26.43686"	84°26'24.90245"	236165.623	2461698.622
2	GEO-2	22°14'04.65507"	84°26'16.17811"	235904.370	2461032.647
3	GEO-3a	22°13'53.86533"	84°26'03.79244"	235543.945	2460706.667
4	GEO-6a	22°14'25.49127"	84°25'05.69226"	233896.188	2461708.085
5	GEO-8a	22°13'53.79656"	84°25'39.97375"	234861.591	2460716.134
6	GEO-9a	22°14'27.47284"	84°26'06.41732"	235636.668	2461739.467

AREA STATISTICS

SL NO	TAHSIL NAME	VILLAGE NAME	KHATA NO	PLOT NO	KISSAM	ALLOTTED AREA IN AC	ALLOTTED AREA IN HA	MAP AREA IN HA
1	KUTRA	KANDEIMUNDA	128	694/P	TUNGRI	31.23	12.639	11.578
TOTAL AREA						31.23	12.639	11.578

Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- CA LAND BOUNDARY PILLAR POINTS
- DLC CA LAND

SURVEYED & PREPARED BY

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



APPROVED BY
SUNDARGARH DISTRICT
FOREST OFFICER
SUNDARGARH FOREST DIVISION

DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATEGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE KARUABAHAL SH-3 UNDER BALISANKARA TAHASIL , IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)



ନୌକା ଚଉଆବାହାଲ ଗ୍ରାମ ଦଫତର
 ଗ୍ରାମ ପଞ୍ଚାୟତ ଦଫତର
 KARUABAHAL SHEET NO. 3
 ଗ୍ରାମ ପଞ୍ଚାୟତ ଦଫତର
 ଗ୍ରାମ ପଞ୍ଚାୟତ ଦଫତର

DGPS CO-ORDINATES OF GEO-REFERENCE POINT

SL.NO.	POINT_ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING_M
1	GEO-1A	22°18'08.21905"	85°39'14.10317"	807790.487	2488131.925
2	GEO-1B	22°18'01.18360"	85°39'30.63174"	808256.090	2488126.057
3	GEO-4A	22°18'04.37996"	85°39'22.73829"	808037.719	2488225.776
4	GEO-4	22°17'29.34083"	85°39'28.18388"	808072.546	2488141.476
5	GEO-07A	22°17'18.12583"	85°39'48.36188"	808051.214	2488115.543
6	GEO-9A	22°18'08.15718"	85°39'25.17872"	808106.002	2488137.269

AREA STATISTICS

SL.NO.	TAPAL NAME	VILLAGE NAME	KNATA NO.	PLOT NO.	VEDAM	ALLOTTED AREA IN AC.	ALLOTTED AREA IN HA.	MAP AREA IN HA.
1	KARUABAHAL	281	2810/P	DIANGRI	16.76	6.702	6.772	
2	KARUABAHAL	281	2810/P	PAHADI	11.25	4.371	4.172	
3	KARUABAHAL	281	2810/P	DIANGRI	5.34	3.188	3.079	
4	KARUABAHAL	281	2810/P	DIANGRI	5.40	3.082	3.082	
5	KARUABAHAL	281	2810/P	DIANGRI	1.08	0.642	0.640	
6	KARUABAHAL	281	2810/P	DIANGRI	8.18	1.49	1.337	
TOTAL AREA						31.41	30.88	29.88

Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- CA LAND BOUNDARY PILLAR POINTS
- DLC CA LAND

SURVEYED & PREPARED BY
 Centre for Survey & Management
 Consultancy Pvt. Ltd. Bhubaneswar

DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS

SL.NO.	POINT_ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING_M
101	KA-1	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
102	KA-2	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
103	KA-3	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
104	KA-4	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
105	KA-5	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
106	KA-6	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
107	KA-7	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
108	KA-8	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
109	KA-9	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
110	KA-10	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
111	KA-11	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
112	KA-12	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
113	KA-13	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
114	KA-14	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
115	KA-15	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
116	KA-16	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
117	KA-17	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
118	KA-18	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
119	KA-19	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
120	KA-20	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
121	KA-21	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
122	KA-22	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
123	KA-23	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
124	KA-24	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
125	KA-25	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
126	KA-26	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
127	KA-27	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
128	KA-28	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
129	KA-29	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
130	KA-30	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
131	KA-31	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
132	KA-32	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
133	KA-33	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
134	KA-34	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
135	KA-35	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
136	KA-36	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
137	KA-37	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
138	KA-38	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
139	KA-39	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
140	KA-40	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
141	KA-41	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
142	KA-42	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
143	KA-43	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
144	KA-44	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
145	KA-45	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
146	KA-46	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
147	KA-47	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
148	KA-48	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
149	KA-49	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
150	KA-50	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
151	KA-51	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
152	KA-52	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
153	KA-53	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
154	KA-54	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
155	KA-55	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
156	KA-56	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
157	KA-57	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
158	KA-58	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
159	KA-59	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
160	KA-60	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
161	KA-61	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
162	KA-62	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
163	KA-63	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
164	KA-64	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
165	KA-65	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
166	KA-66	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
167	KA-67	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
168	KA-68	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
169	KA-69	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
170	KA-70	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
171	KA-71	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
172	KA-72	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
173	KA-73	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
174	KA-74	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
175	KA-75	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
176	KA-76	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
177	KA-77	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
178	KA-78	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
179	KA-79	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
180	KA-80	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
181	KA-81	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
182	KA-82	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
183	KA-83	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
184	KA-84	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
185	KA-85	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
186	KA-86	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
187	KA-87	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
188	KA-88	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
189	KA-89	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
190	KA-90	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
191	KA-91	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
192	KA-92	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
193	KA-93	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
194	KA-94	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
195	KA-95	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
196	KA-96	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
197	KA-97	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
198	KA-98	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
199	KA-99	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
200	KA-100	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122

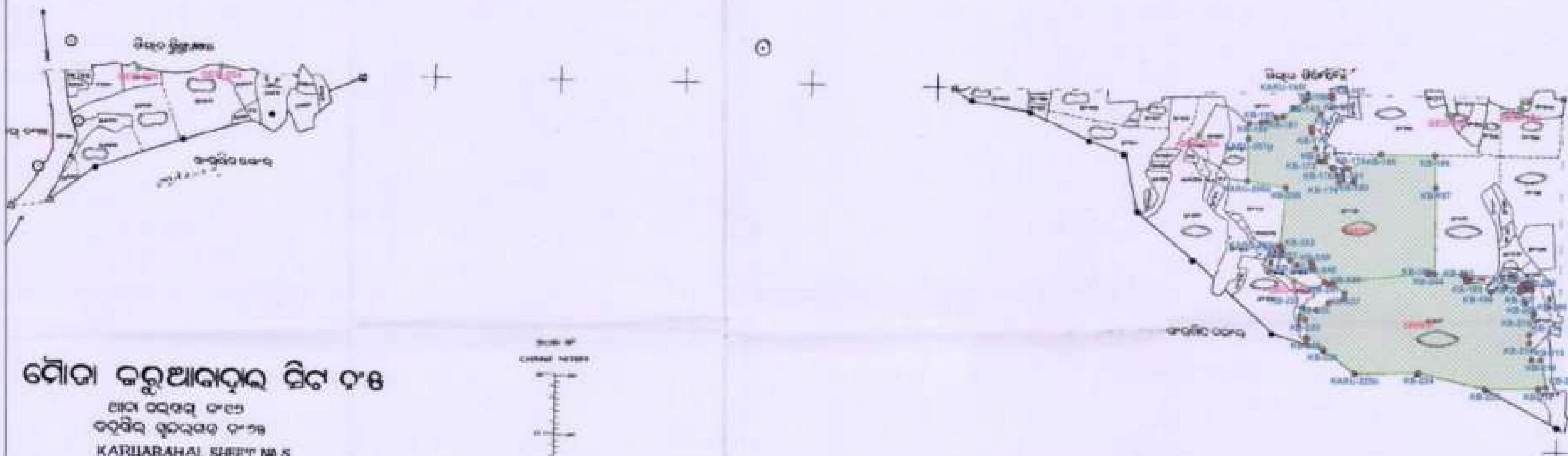
DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS

SL.NO.	POINT_ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING_M
201	KA-1	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
202	KA-2	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
203	KA-3	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
204	KA-4	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
205	KA-5	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
206	KA-6	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
207	KA-7	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
208	KA-8	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
209	KA-9	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
210	KA-10	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
211	KA-11	22°17'59.99000"	85°39'13.33188"	807813.028	2488133.122
212	KA-12				

DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATEGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE KARUABAHAL SH-5 UNDER BALISANKARA TAHASIL, IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)



1:3,960



ବୌଦ୍ଧ କରୁଆବାହାଲ ଶିଟ ନଂ ୫

ଫାଟ୍ ଉପର ଚାଳି
ବୃତ୍ତିକ ଉପର ଚାଳି
KARUABAHAL SHEET NO 5

Thane Tahasil No. 5

ବିଲ୍ ସ୍ଥଳରାଜ୍ୟ

ଉପର ଚାଳି ଉପର ଚାଳି
ଉପର ଚାଳି ଉପର ଚାଳି

ଉପର ଚାଳି ଉପର ଚାଳି
ଉପର ଚାଳି ଉପର ଚାଳି
ଉପର ଚାଳି ଉପର ଚାଳି

ଉପର ଚାଳି ଉପର ଚାଳି

ଉପର ଚାଳି ଉପର ଚାଳି	ଉପର ଚାଳି ଉପର ଚାଳି
ଉପର ଚାଳି ଉପର ଚାଳି	ଉପର ଚାଳି ଉପର ଚାଳି
ଉପର ଚାଳି ଉପର ଚାଳି	ଉପର ଚାଳି ଉପର ଚାଳି
ଉପର ଚାଳି ଉପର ଚାଳି	ଉପର ଚାଳି ଉପର ଚାଳି

AREA STATISTICS							
SL. NO	TAHIL NAME	VILLAGE NAME	KHATA NO	PLOT NO	KISSAM	ALLOTTED AREA IN AC.	ALLOTTED AREA IN HA.
1	BALISANKARA	KARUABAHAL	205	2885/P	DUNGRI	14.98	6.083
2	BALISANKARA	KARUABAHAL	206	2886/P	DUNGRI	15.8	6.436
TOTAL AREA						30.88	12.497

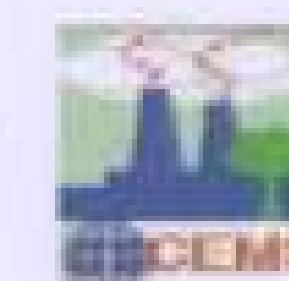
DGPS CO-ORDINATES OF GEO-REFERENCE POINT				
SL.NO.	POINT_ID.	LATITUDE	LONGITUDE	NORTHING_M
1	GEO-18c	22°17'28.12289"	83°59'10.50627"	807710.182
2	GEO-19a	22°17'27.80769"	83°59'06.43536"	807593.777
3	GEO-20a	22°17'26.68628"	83°58'52.40155"	807192.511
4	GEO-22a	22°17'18.52673"	83°58'57.75620"	807350.839
5	GEO-23b	22°17'30.49728"	83°57'52.62381"	805478.096
6	GEO-25a	22°17'30.60738"	83°57'57.31525"	805612.396

Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- CA LAND BOUNDARY PILLAR POINTS
- DLC CA LAND

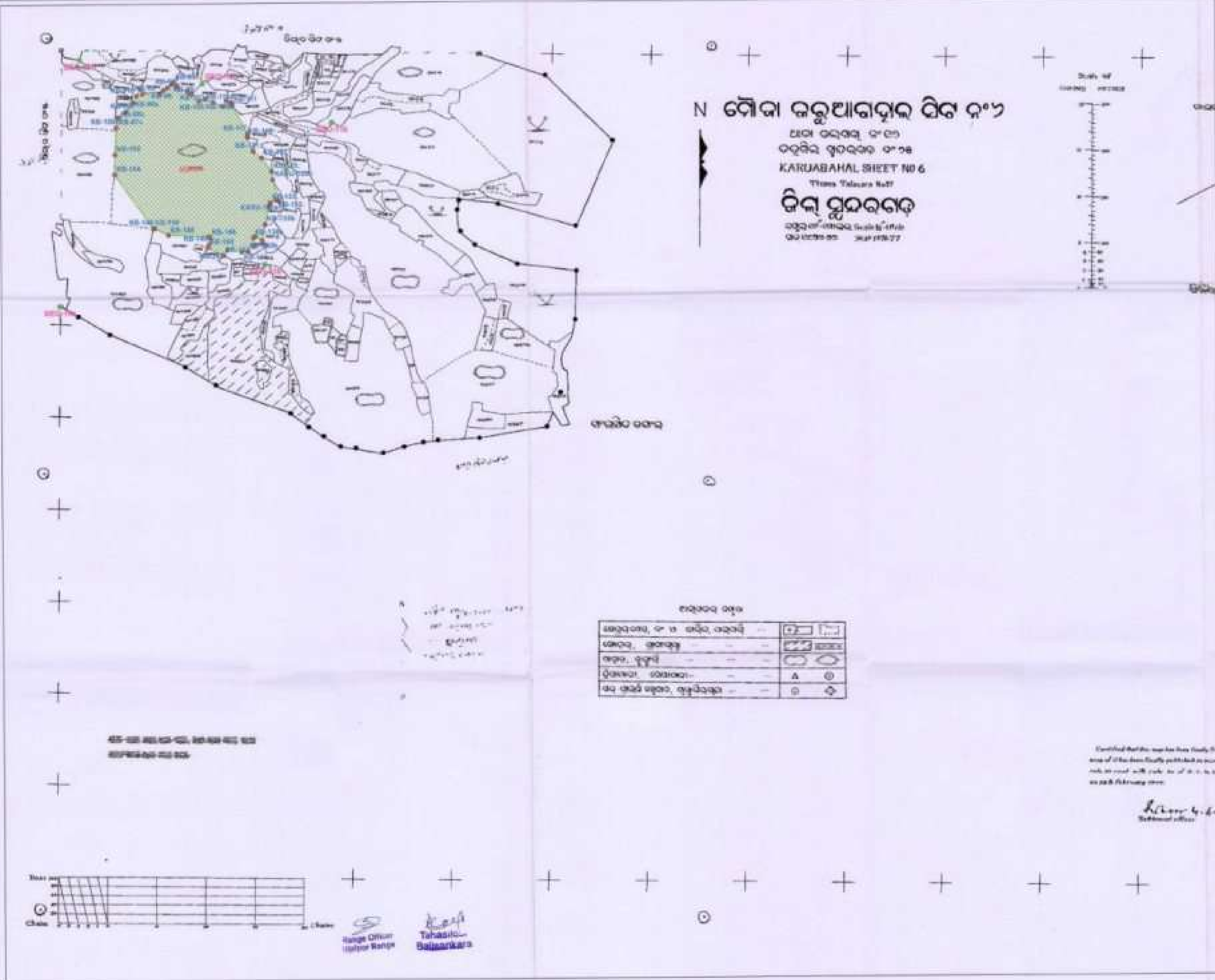
SURVEYED & PREPARED BY

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



DGPS CO-ORDINATE OF CA LAND BOUNDARY POINTS				
SL.NO.	POINT_ID.	LATITUDE	LONGITUDE	NORTHING_M
1	KARU-18a	22°17'28.67470"	83°58'58.48529"	807585.347
2	KARU-18b	22°17'28.55829"	83°58'58.55829"	807585.345
3	KARU-17b	22°17'23.17449"	83°58'58.26250"	807585.340
4	KARU-17a	22°17'23.18154"	83°58'58.47659"	807585.338
5	KARU-22b	22°17'18.50480"	83°58'52.14800"	807451.201
6	KARU-22c	22°17'18.50480"	83°58'58.40518"	807571.609
7	KARU-25a	22°17'30.60738"	83°58'58.55429"	807528.344
8	KARU-25b	22°17'30.49728"	83°58'58.55429"	807528.344
9	KARU-25c	22°17'30.49728"	83°58'58.55429"	807528.344
10	KARU-25d	22°17'30.49728"	83°58'58.55429"	807528.344
11	KARU-17c	22°17'27.13140"	83°58'58.24613"	807571.589
12	KARU-17d	22°17'27.13140"	83°58'58.24613"	807571.589
13	KARU-17e	22°17'27.13140"	83°58'58.24613"	807571.589
14	KARU-17f	22°17'27.13140"	83°58'58.24613"	807571.589
15	KARU-17g	22°17'27.13140"	83°58'58.24613"	807571.589
16	KARU-17h	22°17'27.13140"	83°58'58.24613"	807571.589
17	KARU-17i	22°17'27.13140"	83°58'58.24613"	807571.589
18	KARU-17j	22°17'27.13140"	83°58'58.24613"	807571.589
19	KARU-17k	22°17'27.13140"	83°58'58.24613"	807571.589
20	KARU-17l	22°17'27.13140"	83°58'58.24613"	807571.589
21	KARU-17m	22°17'27.13140"	83°58'58.24613"	807571.589
22	KARU-17n	22°17'27.13140"	83°58'58.24613"	807571.589
23	KARU-17o	22°17'27.13140"	83°58'58.24613"	807571.589
24	KARU-17p	22°17'27.13140"	83°58'58.24613"	807571.589
25	KARU-17q	22°17'27.13140"	83°58'58.24613"	807571.589
26	KARU-17r	22°17'27.13140"	83°58'58.24613"	807571.589
27	KARU-17s	22°17'27.13140"	83°58'58.24613"	807571.589
28	KARU-17t	22°17'27.13140"	83°58'58.24613"	807571.589
29	KARU-17u	22°17'27.13140"	83°58'58.24613"	807571.589
30	KARU-17v	22°17'27.13140"	83°58'58.24613"	807571.589
31	KARU-17w	22°17'27.13140"	83°58'58.24613"	807571.589
32	KARU-17x	22°17'27.13140"	83°58'58.24613"	807571.589
33	KARU-17y	22°17'27.13140"	83°58'58.24613"	807571.589
34	KARU-17z	22°17'27.13140"	83°58'58.24613"	807571.589
35	KARU-17a	22°17'27.13140"	83°58'58.24613"	807571.589
36	KARU-17b	22°17'27.13140"	83°58'58.24613"	807571.589
37	KARU-17c	22°17'27.13140"	83°58'58.24613"	807571.589
38	KARU-17d	22°17'27.13140"	83°58'58.24613"	807571.589
39	KARU-17e	22°17'27.13140"	83°58'58.24613"	807571.589
40	KARU-17f	22°17'27.13140"	83°58'58.24613"	807571.589
41	KARU-17g	22°17'27.13140"	83°58'58.24613"	807571.589
42	KARU-17h	22°17'27.13140"	83°58'58.24613"	807571.589
43	KARU-17i	22°17'27.13140"	83°58'58.24613"	807571.589
44	KARU-17j	22°17'27.13140"	83°58'58.24613"	807571.589
45	KARU-17k	22°17'27.13140"	83°58'58.24613"	807571.589
46	KARU-17l	22°17'27.13140"	83°58'58.24613"	807571.589
47	KARU-17m	22°17'27.13140"	83°58'58.24613"	807571.589
48	KARU-17n	22°17'27.13140"	83°58'58.24613"	807571.589
49	KARU-17o	22°17'27.13140"	83°58'58.24613"	807571.589
50	KARU-17p	22°17'27.13140"	83°58'58.24613"	807571.589
51	KARU-17q	22°17'27.13140"	83°58'58.24613"	807571.589
52	KARU-17r	22°17'27.13140"	83°58'58.24613"	807571.589
53	KARU-17s	22°17'27.13140"	83°58'58.24613"	807571.589
54	KARU-17t	22°17'27.13140"	83°58'58.24613"	807571.589
55	KARU-17u	22°17'27.13140"	83°58'58.24613"	807571.589
56	KARU-17v	22°17'27.13140"	83°58'58.24613"	807571.589
57	KARU-17w	22°17'27.13140"	83°58'58.24613"	807571.589
58	KARU-17x	22°17'27.13140"	83°58'58.24613"	807571.589
59	KARU-17y	22°17'27.13140"	83°58'58.24613"	807571.589
60	KARU-17z	22°17'27.13140"	83°58'58.24613"	807571.589
61	KARU-17a	22°17'27.13140"	83°58'58.24613"	807571.589
62	KARU-17b	22°17'27.13140"	83°58'58.24613"	807571.589
63	KARU-17c	22°17'27.13140"	83°58'58.24613"	807571.589
64	KARU-17d	22°17'27.13140"	83°58'58.24613"	807571.589
65	KARU-17e	22°17'27.13140"	83°58'58.24613"	807571.589
66	KARU-17f	22°17'27.13140"	83°58'58.24613"	807571.589
67	KARU-17g	22°17'27.13140"	83°58'58.24613"	807571.589
68	KARU-17h	22°17'27.13140"	83°58'58.24613"	807571.589
69	KARU-17i	22°17'27.13140"	83°58'58.24613"	807571.589
70	KARU-17j	22°17'27.13140"	83°58'58.24613"	807571.589
71	KARU-17k	22°17'27.13140"	83°58'58.24613"	807571.589
72	KARU-17l	22°17'27.13140"	83°58'58.24613"	807571.589
73	KARU-17m	22°17'27.13140"	83°58'58.24613"	807571.589
74	KARU-17n	22°17'27.13140"	83°58'58.24613"	807571.589
75	KARU-17o	22°17'27.13140"	83°58'58.24613"	807571.589
76	KARU-17p	22°17'27.13140"	83°58'58.24613"	807571.589
77	KARU-17q	22°17'27.13140"	83°58'58.24613"	807571.589
78	KARU-17r	22°17'27.13140"	83°58'58.24613"	807571.589
79	KARU-17s	22°17'27.13140"	83°58'58.24613"	807571.589
80	KARU-17t	22°17'27.13140"	83°58'58.24613"	807571.589
81	KARU-17u	22°17'27.13140"	83°58'58.24613"	807571.589
82	KARU-17v	22°17'27.13140"	83°58'58.24613"	807571.589
83	KARU-17w	22°17'27.13140"	83°58'58.24613"	807571.589

DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATEGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE KARUABAHAL SH-6 UNDER BALISANKARA TAHASIL, IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)



DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS					
SL.NO.	POINT ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING_M
1	KARU-1250	22°17'13.2770"	87°58'27.7401"	88038.794	246734.252
2	KARU-1251	22°17'17.7903"	87°58'26.2804"	88022.188	246740.170
3	KARU-1252	22°17'21.7903"	87°58'26.2804"	88005.844	246745.000
4	KARU-1253	22°17'25.7903"	87°58'26.2804"	87989.498	246749.130
5	KARU-1254	22°17'29.7903"	87°58'27.2043"	87973.108	246753.894
6	KARU-1255	22°17'33.7903"	87°58'27.2043"	87956.762	246758.084
7	KARU-1256	22°17'37.7903"	87°58'27.2043"	87940.416	246762.274
8	KARU-1257	22°17'41.7903"	87°58'27.2043"	87924.070	246766.464
9	KARU-1258	22°17'45.7903"	87°58'27.2043"	87907.724	246770.654
10	KARU-1259	22°17'49.7903"	87°58'27.2043"	87891.378	246774.844
11	KARU-1260	22°17'53.7903"	87°58'27.2043"	87875.032	246779.034
12	KARU-1261	22°17'57.7903"	87°58'27.2043"	87858.686	246783.224
13	KARU-1262	22°18'01.7903"	87°58'27.2043"	87842.340	246787.414
14	KARU-1263	22°18'05.7903"	87°58'27.2043"	87825.994	246791.604
15	KARU-1264	22°18'09.7903"	87°58'27.2043"	87809.648	246795.794
16	KARU-1265	22°18'13.7903"	87°58'27.2043"	87793.302	246800.000
17	KARU-1266	22°18'17.7903"	87°58'27.2043"	87776.956	246804.190
18	KARU-1267	22°18'21.7903"	87°58'27.2043"	87760.610	246808.380
19	KARU-1268	22°18'25.7903"	87°58'27.2043"	87744.264	246812.570
20	KARU-1269	22°18'29.7903"	87°58'27.2043"	87727.918	246816.760
21	KARU-1270	22°18'33.7903"	87°58'27.2043"	87711.572	246820.950
22	KARU-1271	22°18'37.7903"	87°58'27.2043"	87695.226	246825.140
23	KARU-1272	22°18'41.7903"	87°58'27.2043"	87678.880	246829.330
24	KARU-1273	22°18'45.7903"	87°58'27.2043"	87662.534	246833.520
25	KARU-1274	22°18'49.7903"	87°58'27.2043"	87646.188	246837.710
26	KARU-1275	22°18'53.7903"	87°58'27.2043"	87629.842	246841.900
27	KARU-1276	22°18'57.7903"	87°58'27.2043"	87613.496	246846.090
28	KARU-1277	22°19'01.7903"	87°58'27.2043"	87597.150	246850.280
29	KARU-1278	22°19'05.7903"	87°58'27.2043"	87580.804	246854.470
30	KARU-1279	22°19'09.7903"	87°58'27.2043"	87564.458	246858.660
31	KARU-1280	22°19'13.7903"	87°58'27.2043"	87548.112	246862.850
32	KARU-1281	22°19'17.7903"	87°58'27.2043"	87531.766	246867.040
33	KARU-1282	22°19'21.7903"	87°58'27.2043"	87515.420	246871.230
34	KARU-1283	22°19'25.7903"	87°58'27.2043"	87499.074	246875.420
35	KARU-1284	22°19'29.7903"	87°58'27.2043"	87482.728	246879.610
36	KARU-1285	22°19'33.7903"	87°58'27.2043"	87466.382	246883.800
37	KARU-1286	22°19'37.7903"	87°58'27.2043"	87450.036	246888.000
38	KARU-1287	22°19'41.7903"	87°58'27.2043"	87433.690	246892.190
39	KARU-1288	22°19'45.7903"	87°58'27.2043"	87417.344	246896.380
40	KARU-1289	22°19'49.7903"	87°58'27.2043"	87401.000	246900.570
41	KARU-1290	22°19'53.7903"	87°58'27.2043"	87384.654	246904.760
42	KARU-1291	22°19'57.7903"	87°58'27.2043"	87368.308	246908.950
43	KARU-1292	22°20'01.7903"	87°58'27.2043"	87351.962	246913.140
44	KARU-1293	22°20'05.7903"	87°58'27.2043"	87335.616	246917.330
45	KARU-1294	22°20'09.7903"	87°58'27.2043"	87319.270	246921.520
46	KARU-1295	22°20'13.7903"	87°58'27.2043"	87302.924	246925.710
47	KARU-1296	22°20'17.7903"	87°58'27.2043"	87286.578	246929.900
48	KARU-1297	22°20'21.7903"	87°58'27.2043"	87270.232	246934.090
49	KARU-1298	22°20'25.7903"	87°58'27.2043"	87253.886	246938.280
50	KARU-1299	22°20'29.7903"	87°58'27.2043"	87237.540	246942.470
51	KARU-1300	22°20'33.7903"	87°58'27.2043"	87221.194	246946.660
52	KARU-1301	22°20'37.7903"	87°58'27.2043"	87204.848	246950.850

DGPS CO-ORDINATES OF GEO-REFERENCING POINT					
SL.NO.	POINT ID	LATITUDE	LONGITUDE	EASTING_M	NORTHING_M
1	GEO-120	22°17'25.1250"	87°58'27.7000"	88000.000	246750.000
2	GEO-121	22°17'30.0000"	87°58'27.7000"	88000.000	246755.000
3	GEO-122	22°17'35.0000"	87°58'27.7000"	88000.000	246760.000
4	GEO-123	22°17'40.0000"	87°58'27.7000"	88000.000	246765.000
5	GEO-124	22°17'45.0000"	87°58'27.7000"	88000.000	246770.000
6	GEO-125	22°17'50.0000"	87°58'27.7000"	88000.000	246775.000

Legend			
	DGPS SURVEYED GEO-REFERENCING POINTS		CA LAND BOUNDARY PILLAR POINTS
	DLC CA LAND		

SURVEYED & PREPARED BY			
Centre for Environment & Management Consultancy Pvt. Ltd. Bhubaneswar.			

DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATAGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE KHATKURBAHAL SH-4 UNDER KUTRA TAHASIL , IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)



ସ୍ଥଳଚିତ୍ରର ଲେଜେଣ୍ଡ

କମ୍ପେନସାଟରୀ ଅଫ୍ ଫୋରଷ୍ଟେସନ୍	କମ୍ପେନସାଟରୀ ଅଫ୍ ଫୋରଷ୍ଟେସନ୍
ଗ୍ରାମପଞ୍ଚାୟତ ସୀମା	ଗ୍ରାମପଞ୍ଚାୟତ ସୀମା
ରାସ୍ତା, ଶୁଖିଲା	ରାସ୍ତା, ଶୁଖିଲା
ବୁଢ଼ି, ଗଛ	ବୁଢ଼ି, ଗଛ
ଝିଲଟା, ଗୋଦାମ	ଝିଲଟା, ଗୋଦାମ
ଘର - ଗୋଦାମ, ଗୋଦାମ	ଘର - ଗୋଦାମ, ଗୋଦାମ



AREA STATISTICS

S. NO.	THASIL NAME	VILLAGE NAME	KHATA NO.	PLOT NO.	ALLOTED AREA IN AC.	ALLOTED AREA IN HA.	MAP AREA
1	KUTRA	KHATKURBAHAL	88	123/9	0.46	1.09	1.79
2	KUTRA	KHATKURBAHAL	88	123/1	1.42	1.09	3.00
TOTAL AREA					17.08	6.82	6.89

Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- CA LAND BOUNDARY PILLAR POINTS
- DLC CA LAND

DGPS CO-ORDINATES OF GEO-REFERENCE POINT

S. NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-9	84°28'00.3603"	22°15'17.2813"	238936.883	2463216.796
2	GEO-10	84°28'10.4257"	22°15'08.7204"	239210.012	2462948.775
3	GEO-11b	84°28'40.6258"	22°15'27.4471"	240064.505	2463530.534
4	GEO-12	84°28'19.8740"	22°15'26.9028"	239489.98	2463505.673
5	GEO-13	84°27'55.4829"	22°15'26.6246"	238791.511	2463506.857
6	GEO-15b	84°28'17.4825"	22°15'16.4346"	239416.1	2463182.743

DGPS CO-ORDINATE OF CA LAND BOUNDARY PILLAR POINTS

S. NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	K-119	84°28'38.4584"	22°15'28.5227"	240023.081	2463544.645
2	K-120	84°28'35.2788"	22°15'28.6107"	239931.914	2463548.674
3	K-121	84°28'31.6618"	22°15'28.7111"	239828.5	2463553.682
4	K-140	84°28'38.0454"	22°15'28.5373"	239734.851	2463550.034
5	K-141	84°28'28.0834"	22°15'28.3718"	239725.852	2463544.974
6	K-142	84°28'27.3463"	22°15'27.6320"	239704.364	2463532.555
7	K-143	84°28'27.2691"	22°15'27.5996"	239702.138	2463531.594
8	K-144	84°28'25.0498"	22°15'27.5645"	239638.474	2463521.58
9	K-145	84°28'24.7768"	22°15'27.7634"	239630.845	2463527.903
10	K-146	84°28'24.1774"	22°15'26.3647"	239613.89	2463540.44
11	K-147	84°28'23.4299"	22°15'26.3253"	239602.553	2463545.76
12	K-148	84°28'23.2097"	22°15'26.0913"	239586.119	2463538.646
13	K-149	84°28'23.9979"	22°15'27.8823"	239577.681	2463532.504
14	K-150	84°28'24.5546"	22°15'27.4149"	239624.257	2463517.209
15	K-151	84°28'24.5287"	22°15'27.0107"	239623.676	2463505.897
16	K-152	84°28'25.7011"	22°15'26.7018"	239606.778	2463494.761
17	K-153	84°28'25.0048"	22°15'26.3993"	239655.134	2463482.64
18	K-154	84°28'25.1787"	22°15'26.3118"	239641.595	2463482.971
19	K-155	84°28'24.8389"	22°15'25.0073"	239631.151	2463442.956
20	K-156	84°28'22.8948"	22°15'25.6324"	239574.732	2463463.189
21	K-157	84°28'22.9066"	22°15'25.7708"	239576.255	2463467.589
22	K-158	84°28'20.9021"	22°15'26.3999"	239519.337	2463485.878
23	K-159	84°28'20.6017"	22°15'26.0852"	239510.96	2463475.728
24	K-161	84°28'20.96134"	22°15'25.3935"	239520.543	2463456.719
25	K-162	84°28'21.0840"	22°15'25.1596"	239524.011	2463448.746
26	K-163	84°28'21.1341"	22°15'24.8299"	239525.002	2463439.3
27	K-164	84°28'21.2237"	22°15'24.7443"	239527.124	2463436.044
28	K-165	84°28'21.2999"	22°15'24.3153"	239526.882	2463423.441
29	K-166	84°28'21.1573"	22°15'23.9326"	239525.21	2463411.682
30	K-167	84°28'21.4295"	22°15'23.7168"	239532.891	2463404.82
31	K-168	84°28'21.7399"	22°15'23.4467"	239541.641	2463396.46
32	K-169	84°28'21.7608"	22°15'22.9983"	239542.01	2463382.654
33	K-170	84°28'21.8195"	22°15'22.4795"	239543.424	2463368.665
34	K-171	84°28'21.8298"	22°15'22.1805"	239543.548	2463357.459
35	K-172	84°28'22.5250"	22°15'21.9178"	239563.34	2463349.032
36	K-173	84°28'22.9828"	22°15'21.6671"	239576.524	2463341.118
37	K-174	84°28'26.2912"	22°15'21.0538"	239670.763	2463320.661
38	K-175	84°28'29.2301"	22°15'20.5178"	239754.839	2463302.757
39	K-176	84°28'29.68219"	22°15'20.9331"	239768.107	2463315.317
40	K-177	84°28'30.7704"	22°15'22.0458"	239799.542	2463349.036
41	K-178	84°28'31.3983"	22°15'22.5907"	239815.148	2463365.546
42	K-179	84°28'32.0379"	22°15'23.1639"	239835.954	2463381.408
43	K-180	84°28'33.5143"	22°15'23.3123"	239850.262	2463391.823
44	K-181	84°28'33.54331"	22°15'24.1108"	239880.038	2463411.348
45	K-182	84°28'33.4025"	22°15'24.8176"	239878.933	2463433.019
46	K-183	84°28'33.4488"	22°15'25.0571"	239877.82	2463440.432
47	K-184	84°28'33.2093"	22°15'25.8282"	239875.081	2463464.557
48	K-185	84°28'33.7803"	22°15'26.1058"	239887.865	2463472.509
49	K-186	84°28'35.2181"	22°15'26.7972"	239929.401	2463491.104
50	K-187	84°28'37.1700"	22°15'27.9251"	239985.868	2463526.873
51	K-188	84°28'37.7028"	22°15'28.1423"	240001.341	2463531.803
52	K-189	84°28'38.3129"	22°15'28.4017"	240018.82	2463540.991
53	K-190	84°28'32.6795"	22°15'25.7384"	239856.024	2463461.741
54	K-191	84°28'29.4518"	22°15'25.0513"	239763.407	2463462.158
55	K-192	84°28'27.4914"	22°15'24.6358"	239706.977	2463430.186
56	K-193	84°28'24.7019"	22°15'24.0783"	239626.8	2463414.477
57	K-194	84°28'22.0953"	22°15'23.5417"	239551.871	2463399.216

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

A.M. General Manager (Forest)
Odisha Coal and Power Ltd.

SUNDARGARH FOREST DIVISION

DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATAGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE TUNUMURA SH-1 UNDER KUTRA TAHASIL , IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)



Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- CA LAND BOUNDARY PILLAR POINTS
- DLC CA LAND

N ଚୌକା ବ୍ରହ୍ମପୁର ଗ୍ରାମ ନଂ ୧

ଆମ ଉପରାଜ୍ୟର ଚାନ୍ଦିନୀ
ବ୍ରହ୍ମପୁର ଗ୍ରାମାଞ୍ଚଳର ନଂ ୧

TUNUMURA SH-1

Thana Bhubaneswar No.25

ବିଲ୍ ନଂ ୧୦୨୩୪

ଉପରାଜ୍ୟ-ବିଲ୍ ନଂ ୧୦୨୩୪
ଉପରାଜ୍ୟ-ବିଲ୍ ନଂ ୧୦୨୩୪

Index to sheets



ଉପରାଜ୍ୟ ଚାର୍ଟ

ଉପରାଜ୍ୟ ଚାର୍ଟ, ଓ ଏ ଉପରାଜ୍ୟ ଚାର୍ଟ	-	-	-
ଉପରାଜ୍ୟ	-	-	-
ଉପରାଜ୍ୟ, ଉପରାଜ୍ୟ	-	-	-

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DGPS SURVEYED BOUNDARY POINTS					
SL NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	1aTU-32	84°27'07.82484"	22°12'55.58074"	237348.803	2458879.869
2	TU-1a	84°26'50.15544"	22°12'52.44894"	236840.318	2458794.402
3	TU-2	84°26'50.49971"	22°12'53.10170"	236850.234	2458814.415
4	TU-3b	84°26'50.83037"	22°12'53.98283"	236860.336	2458841.363
5	TU-4	84°26'50.94584"	22°12'54.29421"	236863.805	2458850.889
6	TU-5b	84°26'51.17224"	22°12'54.74896"	236870.528	2458864.802
7	TU-6	84°26'51.46657"	22°12'55.30634"	236879.25	2458881.838
8	TU-7c	84°26'51.67566"	22°12'55.61341"	236885.398	2458891.126
9	TU-8a	84°26'52.21042"	22°12'56.12090"	236900.982	2458906.483
10	TU-9a	84°26'53.04981"	22°12'56.68957"	236925.325	2458923.575
11	TU-10	84°26'54.41022"	22°12'57.55649"	236964.749	2458949.593
12	TU-11	84°26'55.28380"	22°12'58.04655"	236990.03	2458964.25
13	TU-12	84°26'55.94537"	22°12'58.15631"	237009.041	2458967.307
14	TU-13a	84°26'56.37529"	22°12'58.84449"	237029.484	2458978.067
15	TU-14	84°26'56.37529"	22°12'58.84449"	237029.484	2458978.067
16	TU-15b	84°27'00.64283"	22°12'59.00231"	237144.058	2458991.071
17	TU-16a	84°27'01.16038"	22°12'59.99566"	237158.882	2458990.617
18	TU-17b	84°27'01.83941"	22°12'58.88876"	237178.285	2458987.308
19	TU-18a	84°27'02.07639"	22°12'58.88616"	237185.068	2458986.806
20	TU-19a	84°27'02.85840"	22°12'58.42807"	237207.235	2458972.334
21	TU-20a	84°27'03.19892"	22°12'58.35225"	237216.899	2458968.76
22	TU-21	84°27'04.48054"	22°12'57.65247"	237253.306	2458947.687
23	TU-22	84°27'04.81636"	22°12'57.48112"	237262.838	2458942.253
24	TU-23a	84°27'05.23105"	22°12'57.06308"	237274.502	2458929.191
25	TU-24b	84°27'05.40583"	22°12'56.68991"	237279.316	2458917.624
26	TU-25b	84°27'05.50829"	22°12'56.40848"	237282.106	2458908.916
27	TU-26b	84°27'06.28610"	22°12'56.43677"	237304.404	2458909.411
28	TU-27	84°27'06.39257"	22°12'56.86743"	237307.16	2458891.843
29	TU-28a	84°27'06.42035"	22°12'55.50759"	237307.709	2458880.757
30	TU-30	84°27'07.45810"	22°12'55.27448"	237337.379	2458873.083
31	TU-32	84°27'08.77396"	22°12'54.91133"	237374.89	2458861.276
32	TU-33a	84°27'10.39774"	22°12'53.88991"	237420.882	2458829.066
33	TU-34	84°27'10.89124"	22°12'53.56450"	237434.852	2458818.815
34	TU-35	84°27'11.26465"	22°12'53.06918"	237445.262	2458801.549
35	TU-36a	84°27'11.68775"	22°12'52.20772"	237457.256	2458776.681
36	TU-61a	84°26'50.31031"	22°12'52.44341"	236844.638	2458794.248
37	TU-62	84°26'55.37155"	22°12'52.38736"	236889.611	2458790.081
38	TU-63a	84°27'01.15247"	22°12'52.32265"	237155.198	2458785.3
39	TU-64a	84°27'06.84986"	22°12'52.36161"	237218.394	2458780.675

DGPS SURVEYED GEO-REFERENCE POINTS					
SL NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-1	84°27'49.85966"	22°12'54.09578"	238551.544	2458816.426
2	GEO-2b	84°27'55.13765"	22°12'54.92334"	238817.777	2458837.44
3	GEO-3a	84°28'05.36793"	22°12'54.27738"	238995.937	2458814.579
4	GEO-5a	84°28'03.14767"	22°12'53.54299"	238933.95	2458793.047
5	TU/GEO-4a	84°27'47.35233"	22°12'57.16033"	238481.291	2458811.921
6	TU/GEO-6a	84°27'45.94546"	22°12'52.07260"	238438.363	2458794.054
7	TU/GEO-7a	84°27'53.98486"	22°12'51.15787"	238668.215	2458724.052

AREA STATISTICS					
SL NO.	VILLAGE NAME	KHATA NO.	PLOT NO.	KISSAM	ALLOTTED AREA IN AC.
1	TUNUMURA	289	1	PAKAD	21.08
TOTAL AREA					21.08

SURVEYED & PREPARED BY :-
Centre for Envotech & Management
Consultancy Pvt. Ltd. Bhubaneswar.



DGPS MAP SHOWING COMPENSATORY AFFORESTATION LAND OF DLC CATEGORY OVER AN AREA 109.933HA. OR 271.64 AC. IN VILLAGE TUNUMURA SH-4 UNDER KUTRA TAHASIL, IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION AGAINST DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED IN SUNDARGARH DISTRICT (SUNDARGARH FOREST DIVISION)



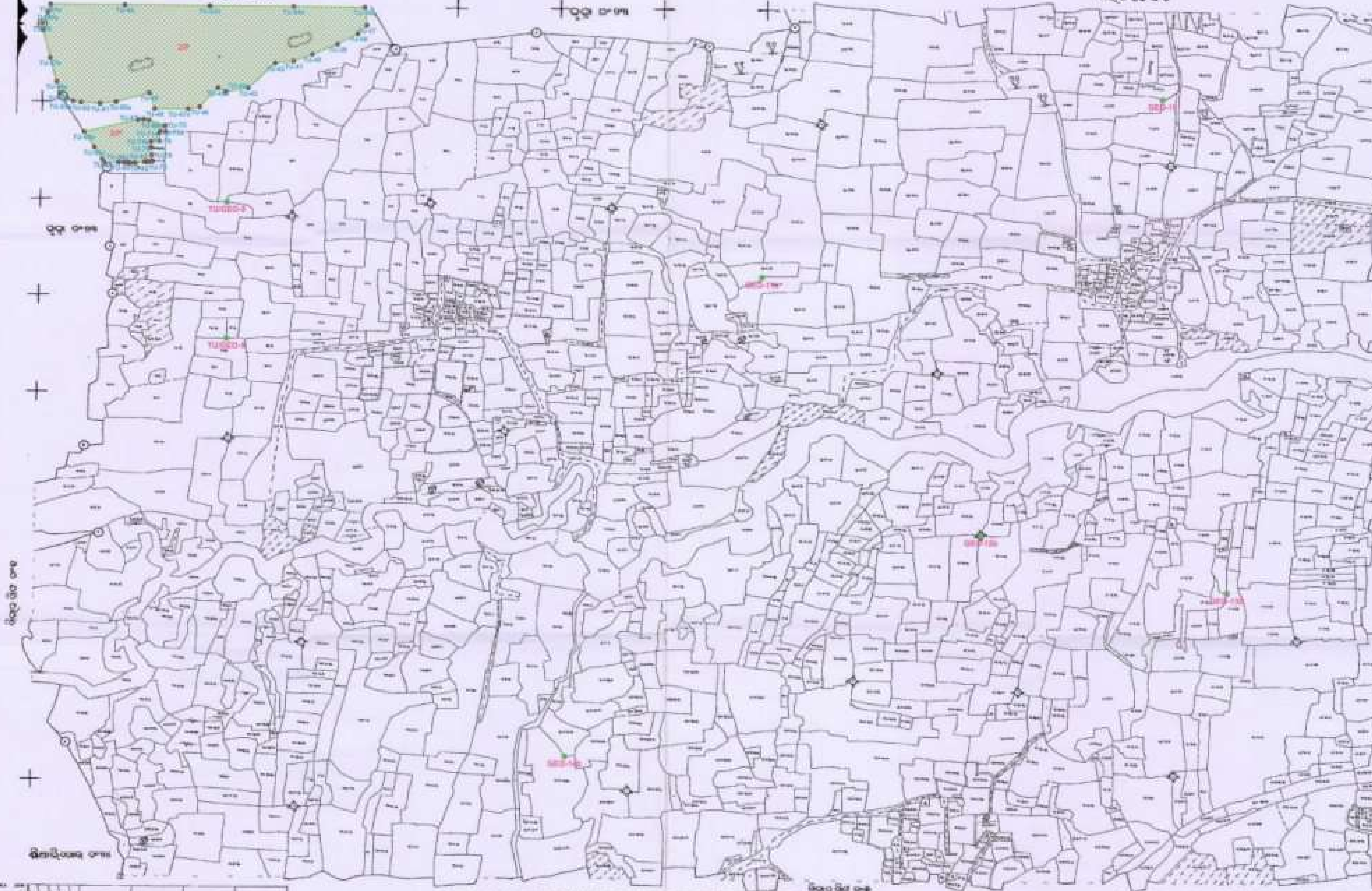
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SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	TU-001	84°27'11.3077"	22°12'51.2077"	233447.200	248751.000
2	TU-01	84°27'11.3077"	22°12'50.0100"	233440.207	248751.074
3	TU-02	84°27'11.3088"	22°12'50.4500"	233440.305	248751.050
4	TU-03	84°27'08.8000"	22°12'49.7000"	233440.800	248750.999
5	TU-04	84°27'08.8000"	22°12'49.0000"	233440.800	248750.999
6	TU-05	84°27'08.8000"	22°12'48.3000"	233440.800	248750.999
7	TU-06	84°27'08.8000"	22°12'47.6000"	233440.800	248750.999
8	TU-07	84°27'08.8000"	22°12'46.9000"	233440.800	248750.999
9	TU-08	84°27'08.8000"	22°12'46.2000"	233440.800	248750.999
10	TU-09	84°27'08.8000"	22°12'45.5000"	233440.800	248750.999
11	TU-10	84°27'08.8000"	22°12'44.8000"	233440.800	248750.999
12	TU-11	84°27'08.8000"	22°12'44.1000"	233440.800	248750.999
13	TU-12	84°27'08.8000"	22°12'43.4000"	233440.800	248750.999
14	TU-13	84°27'08.8000"	22°12'42.7000"	233440.800	248750.999
15	TU-14	84°27'08.8000"	22°12'42.0000"	233440.800	248750.999
16	TU-15	84°27'08.8000"	22°12'41.3000"	233440.800	248750.999
17	TU-16	84°27'08.8000"	22°12'40.6000"	233440.800	248750.999
18	TU-17	84°27'08.8000"	22°12'39.9000"	233440.800	248750.999
19	TU-18	84°27'08.8000"	22°12'39.2000"	233440.800	248750.999
20	TU-19	84°27'08.8000"	22°12'38.5000"	233440.800	248750.999
21	TU-20	84°27'08.8000"	22°12'37.8000"	233440.800	248750.999
22	TU-21	84°27'08.8000"	22°12'37.1000"	233440.800	248750.999
23	TU-22	84°27'08.8000"	22°12'36.4000"	233440.800	248750.999
24	TU-23	84°27'08.8000"	22°12'35.7000"	233440.800	248750.999
25	TU-24	84°27'08.8000"	22°12'35.0000"	233440.800	248750.999
26	TU-25	84°27'08.8000"	22°12'34.3000"	233440.800	248750.999
27	TU-26	84°27'08.8000"	22°12'33.6000"	233440.800	248750.999
28	TU-27	84°27'08.8000"	22°12'32.9000"	233440.800	248750.999
29	TU-28	84°27'08.8000"	22°12'32.2000"	233440.800	248750.999
30	TU-29	84°27'08.8000"	22°12'31.5000"	233440.800	248750.999
31	TU-30	84°27'08.8000"	22°12'30.8000"	233440.800	248750.999
32	TU-31	84°27'08.8000"	22°12'30.1000"	233440.800	248750.999
33	TU-32	84°27'08.8000"	22°12'29.4000"	233440.800	248750.999
34	TU-33	84°27'08.8000"	22°12'28.7000"	233440.800	248750.999
35	TU-34	84°27'08.8000"	22°12'28.0000"	233440.800	248750.999
36	TU-35	84°27'08.8000"	22°12'27.3000"	233440.800	248750.999
37	TU-36	84°27'08.8000"	22°12'26.6000"	233440.800	248750.999
38	TU-37	84°27'08.8000"	22°12'25.9000"	233440.800	248750.999
39	TU-38	84°27'08.8000"	22°12'25.2000"	233440.800	248750.999
40	TU-39	84°27'08.8000"	22°12'24.5000"	233440.800	248750.999
41	TU-40	84°27'08.8000"	22°12'23.8000"	233440.800	248750.999
42	TU-41	84°27'08.8000"	22°12'23.1000"	233440.800	248750.999
43	TU-42	84°27'08.8000"	22°12'22.4000"	233440.800	248750.999
44	TU-43	84°27'08.8000"	22°12'21.7000"	233440.800	248750.999
45	TU-44	84°27'08.8000"	22°12'21.0000"	233440.800	248750.999
46	TU-45	84°27'08.8000"	22°12'20.3000"	233440.800	248750.999
47	TU-46	84°27'08.8000"	22°12'19.6000"	233440.800	248750.999
48	TU-47	84°27'08.8000"	22°12'18.9000"	233440.800	248750.999
49	TU-48	84°27'08.8000"	22°12'18.2000"	233440.800	248750.999
50	TU-49	84°27'08.8000"	22°12'17.5000"	233440.800	248750.999
51	TU-50	84°27'08.8000"	22°12'16.8000"	233440.800	248750.999
52	TU-51	84°27'08.8000"	22°12'16.1000"	233440.800	248750.999
53	TU-52	84°27'08.8000"	22°12'15.4000"	233440.800	248750.999
54	TU-53	84°27'08.8000"	22°12'14.7000"	233440.800	248750.999

SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GD-10	84°27'08.8000"	22°12'49.7000"	233440.800	248750.999
2	GD-11	84°27'08.8000"	22°12'48.3000"	233440.800	248750.999
3	GD-12	84°27'08.8000"	22°12'46.9000"	233440.800	248750.999
4	GD-13	84°27'08.8000"	22°12'45.5000"	233440.800	248750.999
5	GD-14	84°27'08.8000"	22°12'44.1000"	233440.800	248750.999
6	GD-15	84°27'08.8000"	22°12'42.7000"	233440.800	248750.999
7	GD-16	84°27'08.8000"	22°12'41.3000"	233440.800	248750.999

SL NO	VILLAGE NAME	AMTA NO.	PIPING	AMTA	AMTA	AMTA	AMTA	AMTA	AMTA
1	TUNUMURA	00	17	0000	0000	0000	0000	0000	0000
TOTAL AREA				0000	0000	0000	0000	0000	0000

Legend

- DGPS SURVEYED GEO-REFERENCING POINTS
- CA LAND BOUNDARY PILLAR POINTS
- DLC CA LAND

SURVEYED & PREPARED BY :-

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

APPROVED BY :-

ADD. District Engineer (Forest)
Odisha Coal and Power Ltd.

**DIVISIONAL FOREST OFFICER
SUNDARGARH FOREST DIVISION**

Confirmed that the map has been duly checked and every of it has been duly submitted in accordance with the prescribed rules and regulations of the Survey of India.

Signature
Date
Official Seal

**DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE KESARIJIMA,TAHASIL HEMGIR,
DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR
COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT SUNDARGARH DISTRICT**



LEGEND

- CA LAND BOUNDARY PILLAR POINTS
- DGPS SURVEYED GEO-REFERENCE POINTS
- COMPENSATORY AFFORESTATION LAND

DGPS CO-ORDINATES OF GEO-REFERENCED POINTS

SL. NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-1	83°42'34.67632"	21°47'21.08336"	779603.444	2412943.9
2	GEO-2	83°42'36.72889"	21°47'29.82956"	780289.938	2412225.15
3	GEO-3	83°42'38.36679"	21°47'42.88345"	780272.466	2412626.95
4	GEO-4	83°42'01.68074"	21°47'37.70534"	779321.31	2412488.82
5	GEO-7	83°42'05.29836"	21°47'52.95480"	779316.76	2412919.91
6	GEO-9a	83°42'29.36360"	21°47'49.43583"	778286.03	2412799.52

DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS

SL. NO	PILLAR ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	1	83°42'31.18714"	21°47'31.78847"	779755.834	2412848.27
2	2	83°42'34.30202"	21°47'38.88444"	779737.23	2412851.7
3	3	83°42'36.12312"	21°47'36.85752"	779732.884	2412867.84
4	4	83°42'38.36679"	21°47'34.88882"	779694.587	2412838.46
5	5	83°42'38.36679"	21°47'36.88882"	779694.588	2412847.25
6	6	83°42'36.12312"	21°47'36.88882"	779694.587	2412847.25
7	7	83°42'34.30202"	21°47'32.26482"	779697.429	2412831.82
8	8	83°42'36.12312"	21°47'32.26482"	779697.429	2412831.82
9	9	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
10	10	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
11	11	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
12	12	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
13	13	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
14	14	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
15	15	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
16	16	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
17	17	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
18	18	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
19	19	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
20	20	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
21	21	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
22	22	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
23	23	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
24	24	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
25	25	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
26	26	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
27	27	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
28	28	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
29	29	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
30	30	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
31	31	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
32	32	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
33	33	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
34	34	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
35	35	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82
36	36	83°42'31.18714"	21°47'32.26482"	779697.429	2412831.82

AREA STATISTICS

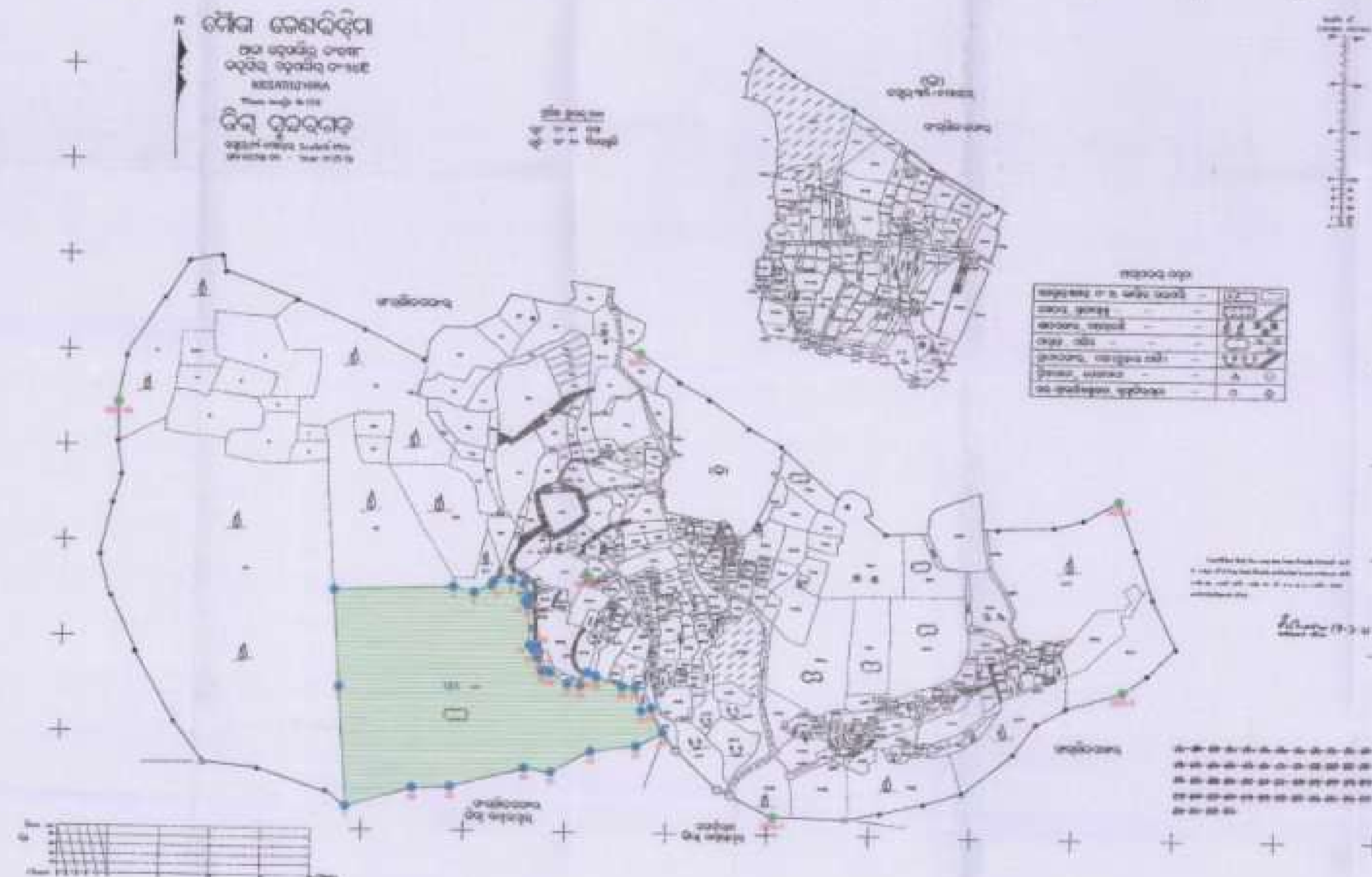
SL. NO	VILLAGE NAME	PLOT NO	REKAM	ALLOCATED AREA IN AC.	ALLOCATED AREA IN Ha.	MAP AREA IN Ha.
1	KESARIJIMA	181	PAHAD	49.52	20.04	19.765
GRAND TOTAL				49.52	20.04	19.765

Surveyed & Prepared by -

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

Range Officer
Hemgir Range

Tahsil Officer
Hemgir



DIVISIONAL FOREST OFFICER
SUNDARGARH DISTRICT

Asst. General Manager (Office)
Odisha Coal and Power Ltd.



DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE KUNJANALA,TAHASIL LEPHRIPARA,DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT-SUNDARGARH DISTRICT.



1:3,500



Legend

- DGPS SURVEYED GEO-REFERENCE POINT
- CA LAND BOUNDARY POINT
- DERIVE POINT
- COMPENSATORY AFFORESTATION LAND

S. NO.	POINT NO.	LONGITUDE	LATITUDE	EASTING	NORTHING
1	01	87°42'21.3863"	22°12'35.8888"	77944.70	246023.776
2	02	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
3	03	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
4	04	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
5	05	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
6	06	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
7	07	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
8	08	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
9	09	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
10	10	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
11	11	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
12	12	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
13	13	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
14	14	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
15	15	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
16	16	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
17	17	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
18	18	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
19	19	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
20	20	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776

S. NO.	POINT NO.	LONGITUDE	LATITUDE	EASTING	NORTHING
1	01	87°42'21.3863"	22°12'35.8888"	77944.70	246023.776
2	02	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
3	03	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
4	04	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
5	05	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
6	06	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
7	07	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
8	08	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
9	09	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
10	10	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
11	11	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
12	12	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
13	13	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
14	14	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
15	15	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
16	16	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
17	17	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
18	18	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
19	19	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776
20	20	87°42'15.2189"	22°12'35.8888"	77945.89	246023.776

S. NO.	VILLAGE NAME	ESATA NO.	PLAT NO.	ESAM	ALLOTTED AREA AC.	ALLOTTED AREA HA.	MAP AREA HA.
1	KUNJANALA	01	46271	149630	44.400	10.000	17.000
2	KUNJANALA	02	46271	149630	25.000	5.521	7.750
3	KUNJANALA	03	46271	149630	45.400	10.000	18.440
TOTAL					114.800	25.521	43.190

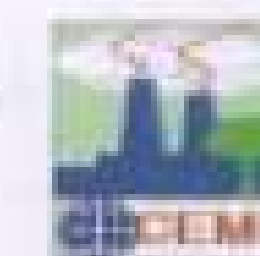


Signature
Range Officer
Lephrigpara Range

Signature
Range Officer
Lephrigpara Range

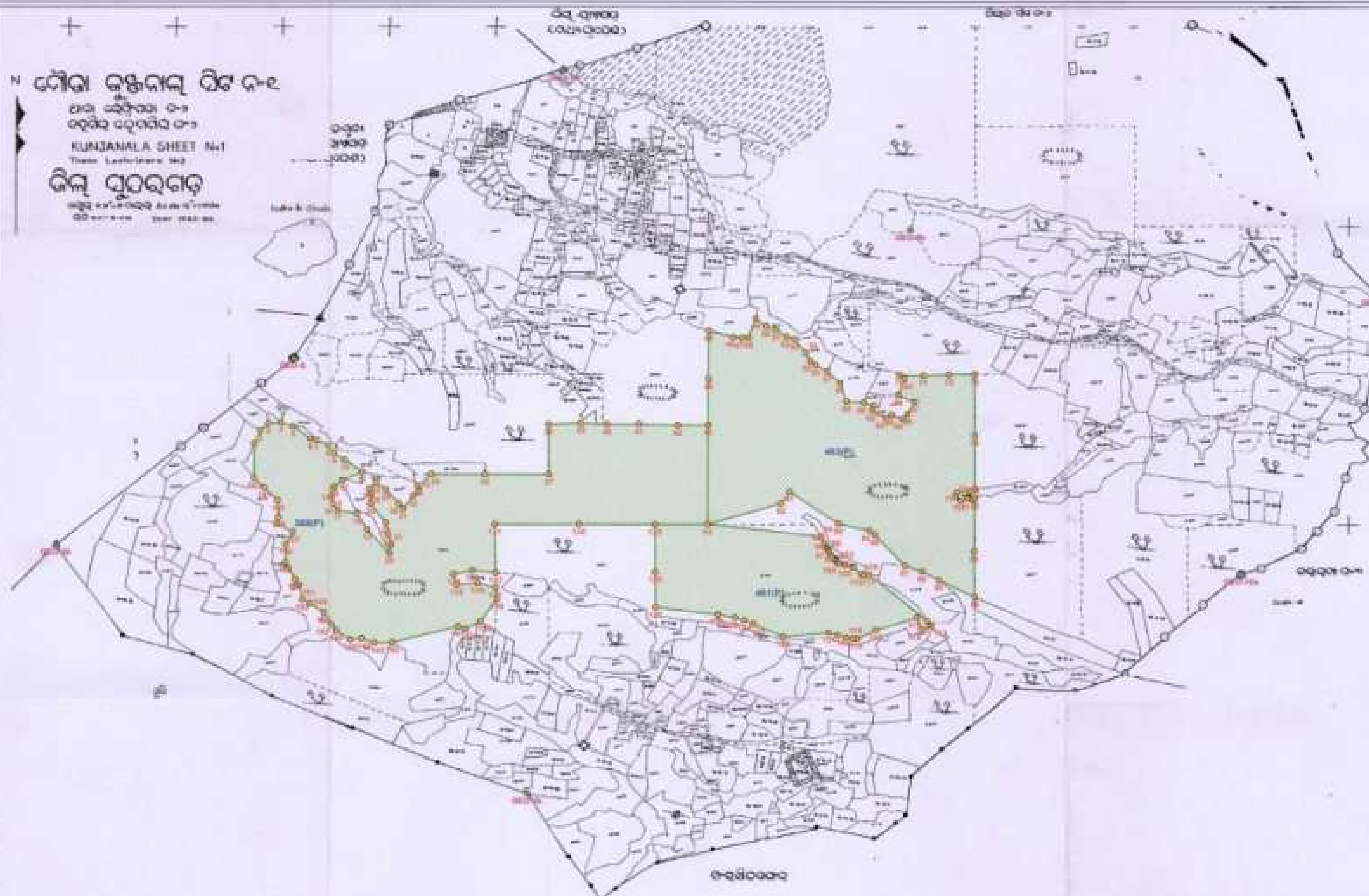
SURVEYED & PREPARED BY :-

Centre for Ecosystech & Management
Consultancy Pvt. Ltd. Shubanswar



Asst. General Manager (Mining)
Odisha Coal and Power Ltd.

Signature
DIVISIONAL FOREST OFFICER
SUNDARGARH FOREST DIVISION



N
କୂଞ୍ଜନାଲା ଗ୍ରାମ ନାମ
ଫାଲ୍‌ଗୁନୀ ଚାନ୍ଦିନୀ
କୂଞ୍ଜନାଲା ଗ୍ରାମ ନାମ
KUNJANALA SHEET No.1
Thane Lephrigpara Rd
କୂଞ୍ଜନାଲା ଗ୍ରାମ ନାମ
ଫାଲ୍‌ଗୁନୀ ଚାନ୍ଦିନୀ
କୂଞ୍ଜନାଲା ଗ୍ରାମ ନାମ

DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE LAXMANPA,TAHASIL LEPHARIPADA,DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT SUNDARGARH DISTRICT.



LEGEND

☐ DGPS SURVEYED GEO-REFERENCE POINT
☒ CA LAND BOUNDARY PILLAR POINTS
☐ COMPENSATORY AFFORESTATION LAND

Year	Project ID	Location	Project Name	Project Type	Project Status
2000	000001	000001	000001	000001	000001
2001	000002	000002	000002	000002	000002
2002	000003	000003	000003	000003	000003
2003	000004	000004	000004	000004	000004

Year	Population	Population	Population	Population	Population
1990	100	100	100	100	100
1991	100	100	100	100	100
1992	100	100	100	100	100
1993	100	100	100	100	100
1994	100	100	100	100	100
1995	100	100	100	100	100
1996	100	100	100	100	100
1997	100	100	100	100	100
1998	100	100	100	100	100
1999	100	100	100	100	100
2000	100	100	100	100	100



DCPS CO-ORDINATES OF CALANG BOUNDARY POSTS					
BL. NO.	PILLAR ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	1	02°09'08.130"	124°12'01.191"	715890.133	2465855.175
2	2	02°09'13.130"	124°12'06.190"	715893.313	2465859.173
3	3	02°09'18.130"	124°12'11.189"	715896.495	2465863.174
4	4	02°09'23.130"	124°12'16.188"	715899.678	2465867.172
5	5	02°09'28.130"	124°12'21.187"	715902.861	2465871.171
6	6	02°09'33.130"	124°12'26.186"	715906.043	2465875.170
7	7	02°09'38.130"	124°12'31.185"	715909.226	2465879.169
8	8	02°09'43.130"	124°12'36.184"	715912.408	2465883.168
9	9	02°09'48.130"	124°12'41.183"	715915.591	2465887.167
10	10	02°09'53.130"	124°12'46.182"	715918.773	2465891.166
11	11	02°09'58.130"	124°12'51.181"	715921.956	2465895.165
12	12	02°10'03.130"	124°12'56.180"	715925.138	2465899.164
13	13	02°10'08.130"	124°13'01.179"	715928.321	2465903.163
14	14	02°10'13.130"	124°13'06.178"	715931.503	2465907.162
15	15	02°10'18.130"	124°13'11.177"	715934.686	2465911.161
16	16	02°10'23.130"	124°13'16.176"	715937.868	2465915.160
17	17	02°10'28.130"	124°13'21.175"	715941.051	2465919.159
18	18	02°10'33.130"	124°13'26.174"	715944.233	2465923.158
19	19	02°10'38.130"	124°13'31.173"	715947.416	2465927.157
20	20	02°10'43.130"	124°13'36.172"	715950.598	2465931.156
21	21	02°10'48.130"	124°13'41.171"	715953.781	2465935.155
22	22	02°10'53.130"	124°13'46.170"	715956.963	2465939.154
23	23	02°10'58.130"	124°13'51.169"	715960.146	2465943.153
24	24	02°11'03.130"	124°13'56.168"	715963.328	2465947.152
25	25	02°11'08.130"	124°14'01.167"	715966.511	2465951.151
26	26	02°11'13.130"	124°14'06.166"	715969.693	2465955.150
27	27	02°11'18.130"	124°14'11.165"	715972.876	2465959.149
28	28	02°11'23.130"	124°14'16.164"	715976.058	2465963.148
29	29	02°11'28.130"	124°14'21.163"	715979.241	2465967.147
30	30	02°11'33.130"	124°14'26.162"	715982.423	2465971.146
31	31	02°11'38.130"	124°14'31.161"	715985.606	2465975.145
32	32	02°11'43.130"	124°14'36.160"	715988.788	2465979.144
33	33	02°11'48.130"	124°14'41.159"	715991.971	2465983.143
34	34	02°11'53.130"	124°14'46.158"	715995.153	2465987.142
35	35	02°11'58.130"	124°14'51.157"	716001.518	2465991.141
36	36	02°12'03.130"	124°14'56.156"	716004.701	2465995.140
37	37	02°12'08.130"	124°15'01.155"	716007.883	2465999.139
38	38	02°12'13.130"	124°15'06.154"	716011.066	2466003.138
39	39	02°12'18.130"	124°15'11.153"	716014.248	2466007.137
40	40	02°12'23.130"	124°15'16.152"	716017.431	2466011.136
41	41	02°12'28.130"	124°15'21.151"	716020.613	2466015.135
42	42	02°12'33.130"	124°15'26.150"	716023.796	2466019.134
43	43	02°12'38.130"	124°15'31.149"	716026.978	2466023.133
44	44	02°12'43.130"	124°15'36.148"	716030.161	2466027.132
45	45	02°12'48.130"	124°15'41.147"	716033.343	2466031.131
46	46	02°12'53.130"	124°15'46.146"	716036.526	2466035.130
47	47	02°12'58.130"	124°15'51.145"	716039.708	2466039.129
48	48	02°13'03.130"	124°15'56.144"	716042.891	2466043.128
49	49	02°13'08.130"	124°16'01.143"	716046.073	2466047.127
50	50	02°13'13.130"	124°16'06.142"	716049.256	2466051.126
51	51	02°13'18.130"	124°16'11.141"	716052.438	2466055.125
52	52	02°13'23.130"	124°16'16.140"	716055.621	2466059.124
53	53	02°13'28.130"	124°16'21.139"	716058.803	2466063.123
54	54	02°13'33.130"	124°16'26.138"	716061.986	2466067.122
55	55	02°13'38.130"	124°16'31.137"	716065.168	2466071.121
56	56	02°13'43.130"	124°16'36.136"	716068.351	2466075.120
57	57	02°13'48.130"	124°16'41.135"	716071.533	2466079.119
58	58	02°13'53.130"	124°16'46.134"	716074.716	2466083.118
59	59	02°13'58.130"	124°16'51.133"	716077.898	2466087.117
60	60	02°14'03.130"	124°16'56.132"	716081.081	2466091.116
61	61	02°14'08.130"	124°17'01.131"	716084.263	2466095.115
62	62	02°14'13.130"	124°17'06.130"	716087.446	2466099.114
63	63	02°14'18.130"	124°17'11.129"	716090.628	2466103.113
64	64	02°14'23.130"	124°17'16.128"	716093.811	2466107.112
65	65	02°14'28.130"	124°17'21.127"	716096.993	2466111.111
66	66	02°14'33.130"	124°17'26.126"	716099.576	2466115.110
67	67	02°14'38.130"	124°17'31.125"	716102.758	2466119.109
68	68	02°14'43.130"	124°17'36.124"	716105.941	2466123.108
69	69	02°14'48.130"	124°17'41.123"	716109.123	2466127.107
70	70	02°14'53.130"	124°17'46.122"	716112.306	2466131.106
71	71	02°14'58.130"	124°17'51.121"	716115.488	2466135.105
72	72	02°15'03.130"	124°17'56.120"	716118.671	2466139.104
73	73	02°15'08.130"	124°18'01.119"	716121.853	2466143.103
74	74	02°15'13.130"	124°18'06.118"	716125.036	2466147.102
75	75	02°15'18.130"	124°18'11.117"	716128.218	2466151.101
76	76	02°15'23.130"	124°18'16.116"	716131.401	2466155.100
77	77	02°15'28.130"	124°18'21.115"	716134.583	2466159.099
78	78	02°15'33.130"	124°18'26.114"	716137.766	2466163.098
79	79	02°15'38.130"	124°18'31.113"	716140.948	2466167.097
80	80	02°15'43.130"	124°18'36.112"	716144.131	2466171.096
81	81	02°15'48.130"	124°18'41.111"	716147.313	2466175.095
82	82	02°15'53.130"	124°18'46.110"	716150.496	2466179.094
83	83	02°15'58.130"	124°18'51.109"	716153.678	2466183.093
84	84	02°16'03.130"	124°18'56.108"	716156.861	2466187.092
85	85	02°16'08.130"	124°19'01.107"	716160.043	2466191.091
86	86	02°16'13.130"	124°19'06.106"	716163.226	2466195.090
87	87	02°16'18.130"	124°19'11.105"	716166.408	2466199.089
88	88	02°16'23.130"	124°19'16.104"	716169.591	2466203.088
89	89	02°16'28.130"	124°19'21.103"	716172.773	2466207.087
90	90	02°16'33.130"	124°19'26.102"	716175.956	2466211.086
91	91	02°16'38.130"	124°19'31.101"	716179.138	2466215.085
92	92	02°16'43.130"	124°19'36.100"	716182.321	2466219.084
93	93	02°16'48.130"	124°19'41.099"	716185.503	2466223.083
94	94	02°16'53.130"	124°19'46.098"	716188.686	2466227.082
95	95	02°16'58.130"	124°19'51.097"	716191.868	2466231.081
96	96	02°17'03.130"	124°19'56.096"	716195.051	2466235.080
97	97	02°17'08.130"	124°20'01.095"	716198.233	2466239.079
98	98	02°17'13.130"	124°20'06.094"	716201.416	2466243.078
99	99	02°17'18.130"	124°20'11.093"	716204.598	2466247.077
100	100	02°17'23.130"	124°20'16.092"	716207.781	2466251.076

[Signature]
 Asst. General Manager (Gen.)
 Mining, Coal and Power Div.

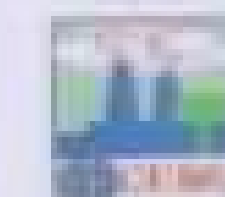


NATIONAL FOREST OFFICE
INDONESIA


 George J. Hunsicker
 Assistant Secretary

TAKEN DAN
KEMERIPAN

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DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE GELEIBAHAL, TAHASIL BADGAON, DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT SUNDARGARH DISTRICT



1:3,960

LEGEND

- CA LAND BOUNDARY PILLAR POINTS
- DGPS SURVEYED GEOREFERENCE POINTS
- COMPENSATORY AFFORESTATION LAND

DGPS CO-ORDINATES OF GEO-REFERENCED POINTS

S. NO	Point_ID	Longitude	Latitude	Easting	Northing
1	000-05	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
2	000-76	84°30'12.0000"	22°34'16.0000"	225676.155	2473215.991
3	000-80	84°30'12.0000"	22°34'16.0000"	225646.363	2473216.909
4	000-406	84°30'14.0000"	22°34'12.0000"	225661.527	2473284.709
5	000-124	84°30'16.0000"	22°34'12.0000"	225676.24	2473276.38
6	000-344	84°30'14.0000"	22°34'16.0000"	225676.827	2473276.354

AREA STATISTICS

S. NO	VILLAGE_NAME	PLOT_NO	AREA	ALLOTTED AREA	ALLOTTED	REAP AREA
1	GELEIBAHAL	00001	0.0000	76.87	76.88	76.74
TOTAL						



(Signature)
Asst. General Manager (Mining)
Odisha Coal and Power Ltd.

(Signature)
DISTRICT FOREST OFFICER
SUNDARGARH DISTRICT, ODISHA

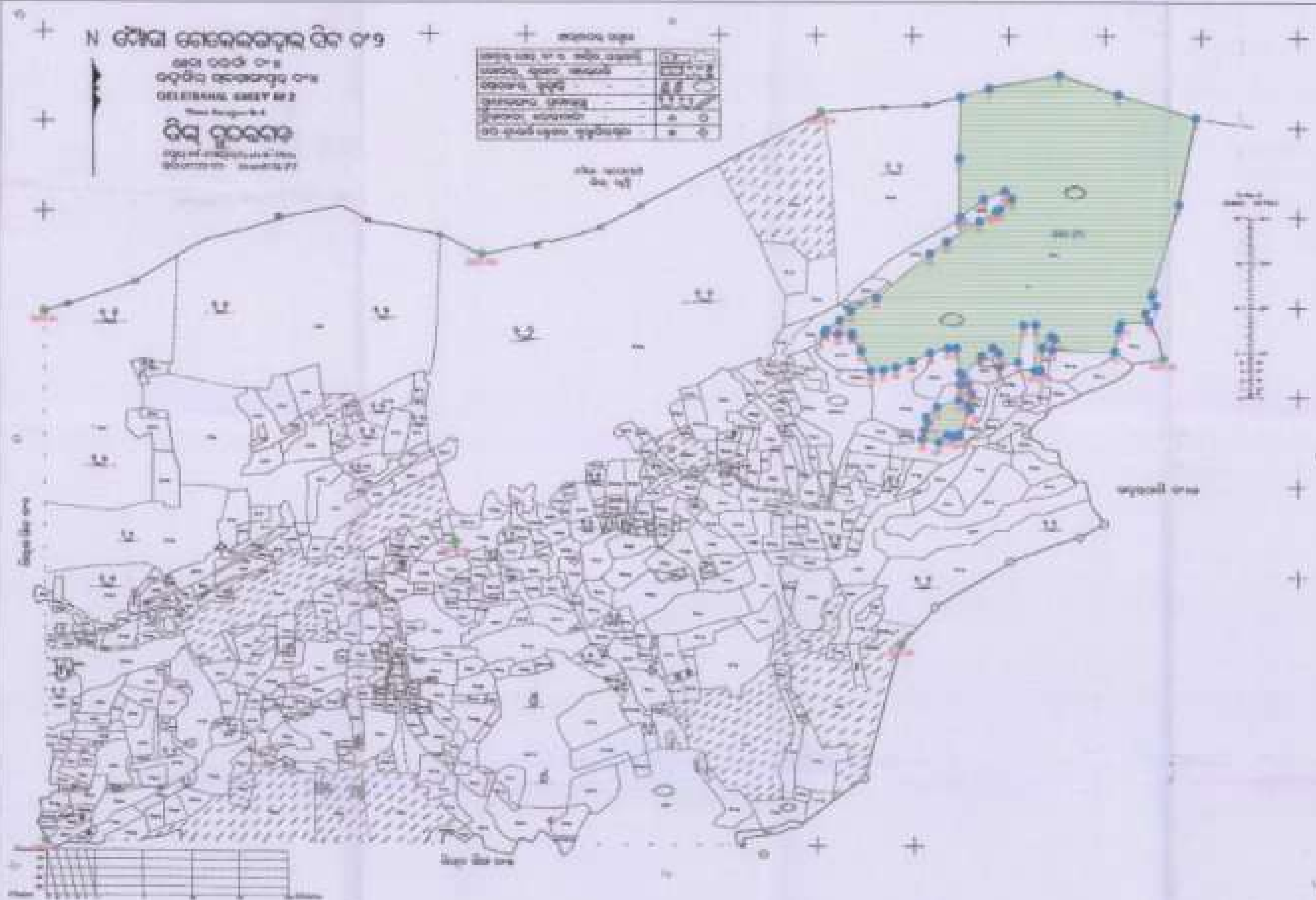
Surveyed & Prepared by -

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

(Signature)
Project Manager
Bhubaneswar



(Signature)
TAHASSIL
BADGAON



DGPS CO-ORDINATES OF CA LAND BOUNDARY PILLAR POINTS					
S. NO	Point_ID	Longitude	Latitude	Easting	Northing
1	01	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
2	02	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
3	03	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
4	04	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
5	05	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
6	06	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
7	07	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
8	08	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
9	09	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
10	10	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
11	11	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
12	12	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
13	13	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
14	14	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
15	15	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
16	16	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
17	17	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
18	18	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
19	19	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
20	20	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
21	21	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
22	22	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
23	23	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
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25	25	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
26	26	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
27	27	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
28	28	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
29	29	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
30	30	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
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33	33	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
34	34	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
35	35	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
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37	37	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
38	38	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
39	39	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
40	40	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
41	41	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
42	42	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
43	43	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
44	44	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
45	45	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
46	46	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
47	47	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
48	48	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
49	49	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
50	50	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
51	51	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
52	52	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
53	53	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
54	54	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
55	55	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
56	56	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
57	57	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
58	58	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
59	59	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
60	60	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
61	61	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
62	62	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
63	63	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
64	64	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
65	65	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
66	66	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
67	67	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
68	68	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
69	69	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
70	70	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707
71	71	84°30'14.0000"	22°34'12.0000"	225716.818	2473284.707

DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE ITMA,TAHASIL BADGAON, DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT SUNDARGARH DISTRICT



1:3,960



LEGEND

- CA LAND BOUNDARY PILLAR POINT
- DGPS SURVEYED GEO-REFERENCE POINTS
- COMPENSATORY AFFORESTATION LAND

DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS						DGPS CO-ORDINATES OF GEO-REFERENCED POINTS					
SL. NO	Point_ID	Longitude	Latitude	Easting	Northing	SL. NO	Point_ID	Longitude	Latitude	Easting	Northing
1	10	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776	31	10	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776
2	11	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817	32	11	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817
3	12	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425	33	12	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425
4	13	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475	34	13	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475
5	14	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173	35	14	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173
6	15	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57	36	15	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57
7	16	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776	37	16	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776
8	17	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817	38	17	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817
9	18	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425	39	18	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425
10	19	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475	40	19	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475
11	20	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173	41	20	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173
12	21	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57	42	21	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57
13	22	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776	43	22	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776
14	23	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817	44	23	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817
15	24	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425	45	24	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425
16	25	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475	46	25	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475
17	26	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173	47	26	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173
18	27	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57	48	27	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57
19	28	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776	49	28	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776
20	29	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817	50	29	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817
21	30	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425	51	30	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425
22	31	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475	52	31	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475
23	32	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173	53	32	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173
24	33	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57	54	33	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57
25	34	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776	55	34	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776
26	35	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817	56	35	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817
27	36	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425	57	36	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425
28	37	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475	58	37	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475
29	38	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173	59	38	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173
30	39	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57	60	39	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57

DGPS CO-ORDINATES OF GEO-REFERENCED POINTS

SL. NO	Point_ID	Longitude	Latitude	Easting	Northing
1	GEO-1a	84°13'30.81086"	22°07'37.05363"	213760.353	2449491.776
2	GEO-2a	84°13'28.55131"	22°06'59.67808"	213674.572	2448342.817
3	GEO-3a	84°13'10.48314"	22°06'56.79060"	213154.874	2448263.425
4	GEO-4a	84°12'58.10745"	22°07'04.08789"	212804.131	2448494.475
5	GEO-7a	84°13'18.66622"	22°07'29.58062"	213407.949	2449268.173
6	GEO-10	84°13'02.53446"	22°07'13.85037"	212936.565	2448792.57

AREA STATISTICS

SL. NO	VILLAGE_NM	PLOT_NO	KISSAM	ALLO AR_AC	ALLO AR HA	MAP AR HA
1	ITMA	3933(P)	TUNGRI	30.99	12.541	11.488
2	ITMA	4082	PATHAR TUNGRI	17.52	7.09	6.508
TOTAL				48.51	19.631	17.996

Surveyed & Prepared by -

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

[Signature]
Project Range Officer
Bargarh Sub-division



[Signature]
District Forest Officer
Sundargarh Forest Division
Odisha Coal and Power Ltd.



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Tahasildar
Bargarh

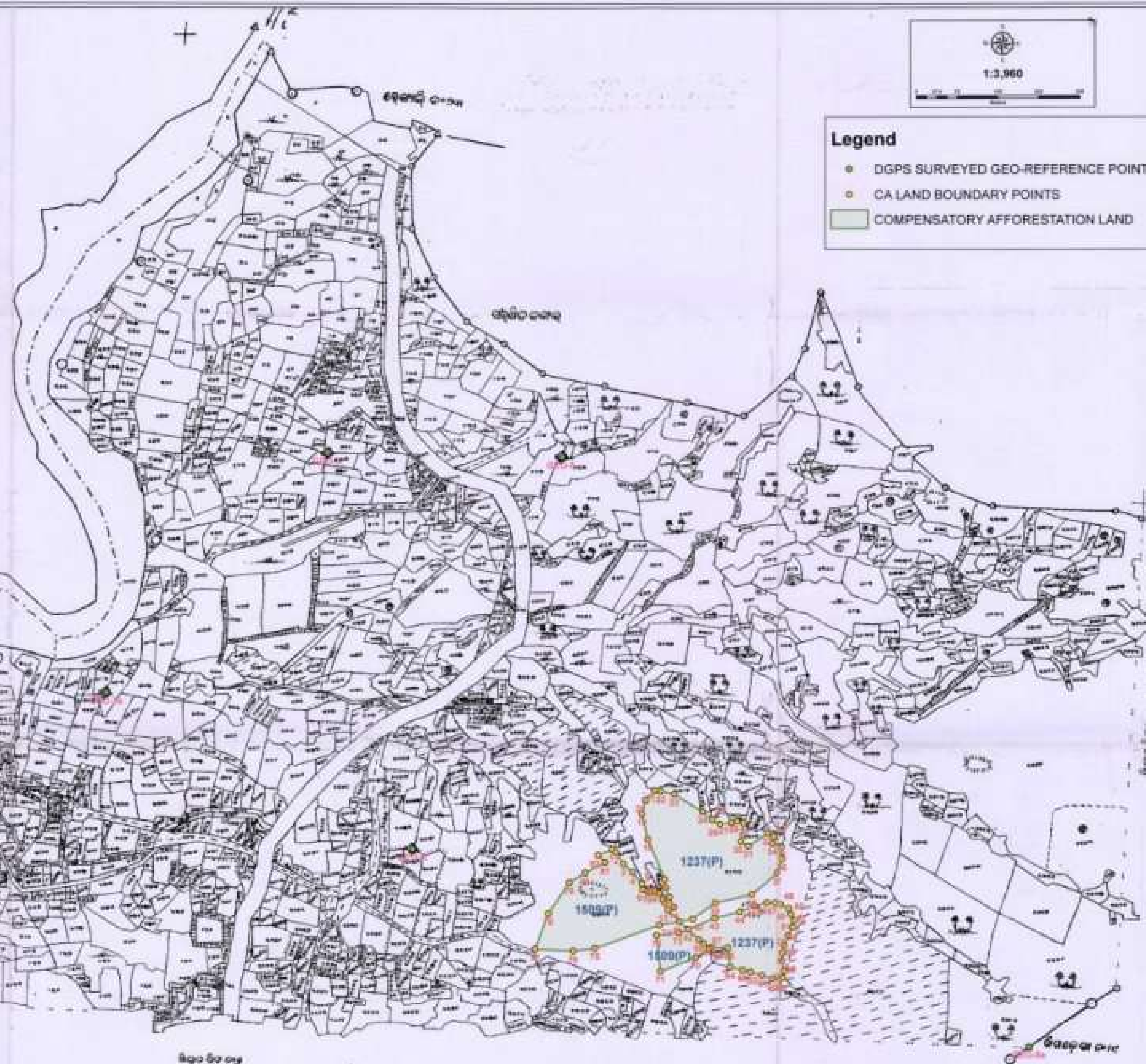
DGPS MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE PHATEIMUNDA,TAHASIL BALISHANKARA,DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT-SUNDARGARH DISTRICT.

ମୌଜା ବାଡ଼େଇମୁଣ୍ଡା, ପିଟା କଞ୍ଚ

ଫାଟିମୁଣ୍ଡା ଶେଟ୍ଟ ନଂ-୧
PHATEIMUNDA, SHEET No-1

ଜିନା ପ୍ରଦର୍ଶନ

ସେଲ୍ ୧୭: ୧୦୦୦୦ scale 10:1 mile
000000-09 Year 1996-97



UNIT-CELL CHARACTERISTICS OF THE LAMINATE SANDWICH STRUCTURE						
NO. OF LAYERS	THICKNESS OF LAYER	COMPOSITE	ORIENTATION	STIFFNESS	COEFFICIENT OF THERMAL EXPANSION	COEFFICIENT OF THERMAL CONDUCTIVITY
1	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
2	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
3	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
4	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
5	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
6	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
7	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
8	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
9	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
10	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
11	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
12	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
13	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
14	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
15	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
16	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
17	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
18	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
19	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
20	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
21	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
22	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
23	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
24	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
25	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
26	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
27	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
28	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
29	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
30	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
31	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
32	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
33	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
34	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
35	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
36	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
37	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
38	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
39	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
40	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
41	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
42	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
43	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
44	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
45	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
46	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
47	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
48	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
49	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
50	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
51	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
52	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
53	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
54	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
55	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
56	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
57	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
58	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
59	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
60	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
61	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
62	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
63	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
64	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
65	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
66	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
67	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
68	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
69	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
70	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
71	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
72	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
73	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
74	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
75	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
76	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
77	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
78	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
79	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
80	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
81	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
82	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
83	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
84	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
85	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
86	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
87	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
88	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
89	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
90	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
91	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
92	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
93	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
94	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
95	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
96	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
97	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
98	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
99	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01
100	0.001	CFRP	0°	1.27E+01	1.0E-05	1.0E+01

2016 SURVEYED DATA REPRESENTS POINTS					
STATION	POINT NO.	LONGITUDE	LATITUDE	ELEVATION	NEUTRON
1	5252.4	89°17'25.5600"E	27°27'13.6170"N	203448.71	147.0665.113
2	5252.5	89°17'26.7600"E	27°27'13.4660"N	203458.75	147.0662.113
3	5252.6	89°17'27.1100"E	27°27'13.2570"N	203469.899	147.0660.113
4	5252.7	89°17'27.5600"E	27°27'13.0500"N	203483.566	147.0657.113
5	5252.8	89°17'28.0000"E	27°27'12.8430"N	203498.619	147.0654.113
6	5252.9	89°17'28.4500"E	27°27'12.6370"N	203515.667	147.0651.113

AREA STATISTICS						
SL. NO.	COLLEGE NAME	BOYS	GRS	TEAMS	BOYS/TEAM	GRS/TEAM
1	GOVERNMENT	110	110/10	GOVT	11	11/10
2	GOVERNMENT	110	110/10	GOVT	11	11/10
TOTAL					22	22/20


 Asst. General Manager (Mines)
 Odisha Coal and Power Ltd.

 DIVISIONAL FOREST OFFICER
 LUNDAROH-FOREST DIVISION

 H.A. D. BALAKRISHNA
 (SECRETARY)


 FOREST RANGE OFFICER
 BARAMUNDA RANGE

 Forest Range Officer
 Baramunda Range

Surveyed & Prepared by -
Centre for Environment & Management
Consultancy Pvt. Ltd.



DGPS CO-ORDINATES OF GEO-REFERENCE POINT					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-5a	84°28'02.61136"	22°15'31.22682"	238997.797	2463645.012
2	KTH/GEO-1a	84°27'59.02522"	22°16'27.23715"	238923.984	2465370.098
3	KTH/GEO-3	84°28'38.24739"	22°15'38.84853"	240022.333	2463862.455
4	KTH/GEO-6	84°27'54.99865"	22°16'11.20255"	238800.397	2464878.668
5	KTH/GEO-7a	84°28'23.97951"	22°16'20.73425"	239635.254	2465158.044
6	KTH/GEO-8	84°28'11.29461"	22°15'47.18325"	239254.706	2464131.805

	DGPS SURVEYED GEO-REFERENCING POINTS
	CA LAND BOUNDARY PILLAR POINTS
	DLC CA LAND



Asst. General Manager (Mining)
Cebu Coal and Power Ltd.

DIVISIONAL FOREST OFFICER
BANGALORE FOREST DIVISION

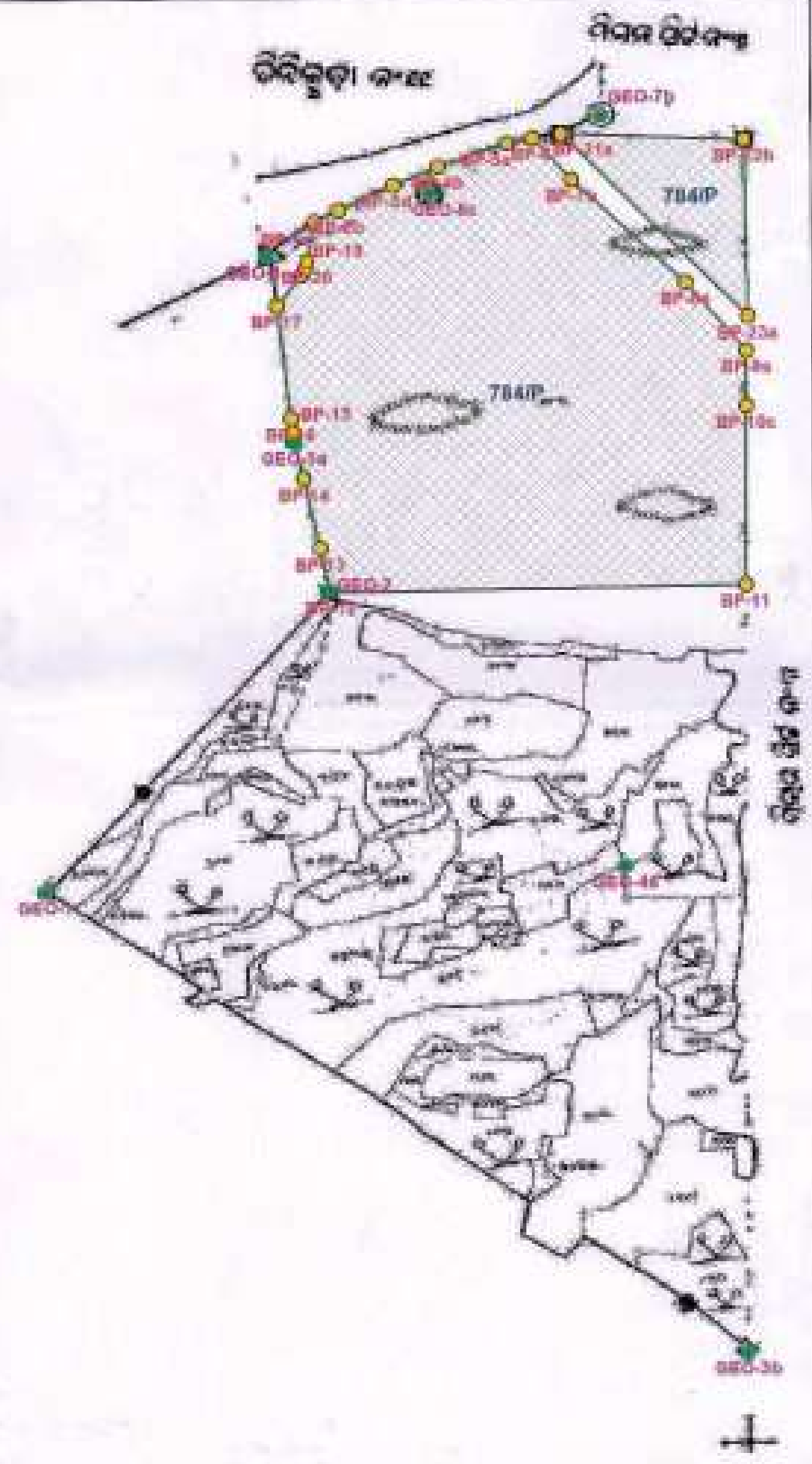
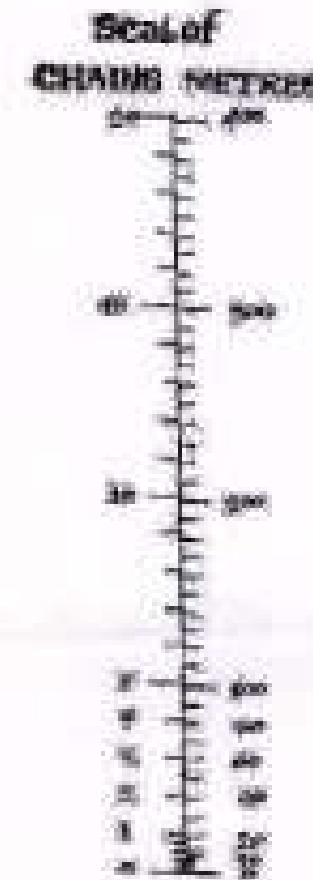
Payee
10/07/23
Forest Range Officer
MC Barrason Range


Revenue Inspector
Lanjiberna

DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE BUDABAHAL,TAHASIL TANGARPALI,DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT-SUNDARGARH DISTRICT.

N ମୌଜା ବୁଦାବାହାଲ ଗ୍ରାମ ନଂ ୨

ଭାରତ ସ୍ୱାଧୀନତା ଦିବସ
୧୫ ଅଗଷ୍ଟ ୨୦୧୫
BUDABAHAL SHEET No.2
Tahasil Tangarpali Dist. Sundargarh
ଜିଲ୍ଲା ସୁନ୍ଦରଗଡ଼
ପ୍ରାୟତଃ ୧:୫୦,୦୦୦ Scale ୫:୧୦୦୦
୧୯୮୦-୮୨-୮୩ Year ୧୯୮୦-୮୨



- Legend
- DGPS SURVEYED GEO-REFERENCE POINTS
 - DGPS SURVEYED CA LAND BOUNDARY POINTS
 - COMPENSATORY AFFORESTATION LAND

DGPS SURVEYED GEO-REFERENCE POINTS					
SL NO.	POINT ID.	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-1	83°54'49.32122	22°08'23.05304	800552.45	2451176.08
2	GEO-2	83°54'56.49546	22°08'30.55711	800753.715	2451410.663
3	GEO-3a	83°55'06.77825	22°08'11.35370	800559.885	2450825.329
4	GEO-4a	83°55'03.82096	22°08'23.56833	800967.875	2451199.549
5	GEO-5a	83°54'55.65460	22°08'34.28026	800727.408	2451524.778
6	GEO-6	83°54'55.02867	22°08'38.89124	800706.715	2451667.568
7	GEO-7b	83°55'03.40113	22°08'42.37960	800944.716	2451778.303
8	GEO-8a	83°54'59.09243	22°08'40.46852	800822.315	2451717.116

AREA STATISTICS					
SL. NO.	WILLAGE NAME	WASTA NO.	PLAT NO.	BLANK	ALLOTTED AREA AC.
1	BUDABAHAL	171	784P	TANGARLI	24.75
2	TOTAL CA LAND AREA				24.75

ODISHA SPACE APPLICATIONS CENTRE
Bhubaneswar

Tahasildar, Tangarpali
Dist. - Sundargarh

Dy. Range Officer
UG Uppalpur Range

Divisional Forest Officer
Sundargarh Forest Division

Asst. General Manager (Mines)
Odisha Coal and Power Ltd.

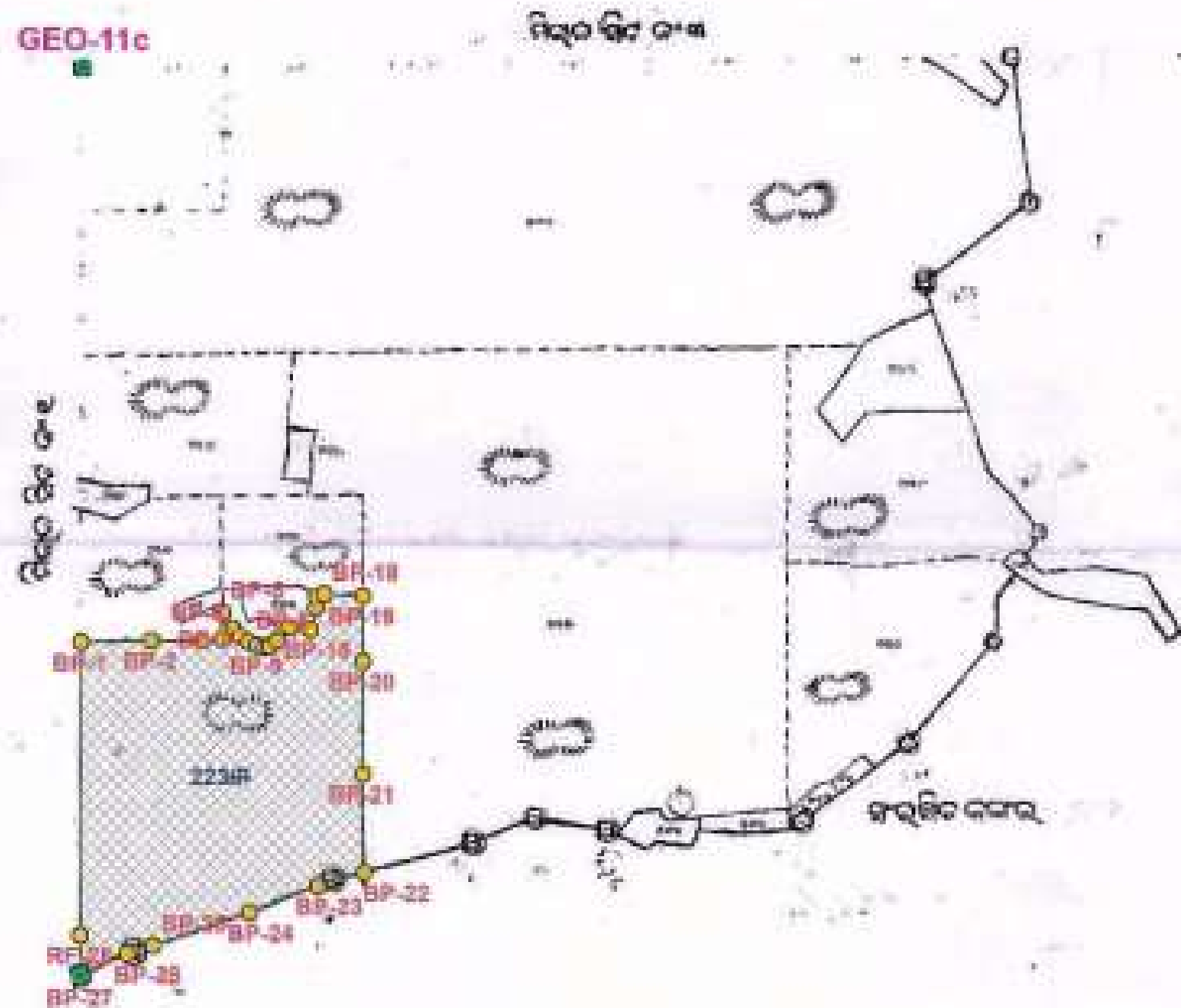
DGPS SURVEYED CA LAND BOUNDARY POINTS					
SL NO.	POINT ID.	LONGITUDE	LATITUDE	EASTING	NORTHING
1	BP-1c	83°54'56.20413	22°08'39.76999	800739.92	2451694.029
2	BP-2b	83°54'56.80834	22°08'40.05686	800757.073	2451703.19
3	BP-3d	83°54'58.19079	22°08'40.66855	800796.347	2451722.776
4	BP-4b	83°54'59.31594	22°08'41.13480	800828.329	2451737.744
5	BP-5a	83°55'01.03791	22°08'41.69078	800877.369	2451755.803
6	BP-6	83°55'01.68005	22°08'41.82066	800895.703	2451760.154
7	BP-7b	83°55'02.65182	22°08'40.76698	800924.187	2451728.262
8	BP-8a	83°55'05.47921	22°08'38.17567	801006.78	2451650.071
9	BP-9a	83°55'06.98871	22°08'36.45140	801051.078	2451597.837
10	BP-10c	83°55'06.96759	22°08'35.06931	801051.29	2451555.291
11	BP-11	83°55'06.91856	22°08'30.60584	801052.524	2451417.899
12	BP-12	83°54'56.51717	22°08'30.52717	800754.356	2451409.75
13	BP-13	83°54'56.27265	22°08'31.62902	800746.694	2451443.525
14	BP-14	83°54'55.87630	22°08'33.37078	800734.302	2451496.911
15	BP-15	83°54'55.62535	22°08'34.52303	800726.426	2451532.233
16	BP-16	83°54'55.57909	22°08'34.87969	800724.889	2451543.184
17	BP-17	83°54'55.25509	22°08'37.68603	800713.942	2451629.372
18	BP-18	83°54'55.87102	22°08'38.44392	800731.153	2451653.035
19	BP-19	83°54'55.96579	22°08'38.60328	800733.776	2451657.992
20	BP-20	83°54'56.02007	22°08'38.80715	800735.212	2451664.296
21	BP-21a	83°55'02.39465	22°08'41.92734	800916.127	2451763.831
22	BP-22b	83°55'06.96894	22°08'41.73070	801047.389	2451760.299
23	BP-23a	83°55'07.03750	22°08'37.31059	801051.968	2451624.306

SURVEYED & PREPARED BY :-

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

CEMC

DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE GAMHARIDIHI,TAHASIL TANGARPALI,DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT-SUNDARGARH DISTRICT.



ମୋହା ଗାହରିଦିହି ଷିଟ ନଂ ୪
 ଓଡ଼ିଶା ରେଭିନ୍ୟୁ ନିଗମ
 ଓଡ଼ିଶା ରେଭିନ୍ୟୁ ନିଗମ
GAMHARIDIHI SHEET NO. 4
 Thana Lepthipara No. 73
ଜିଲ୍ଲା ସ୍ୱତନ୍ତ୍ରତା
 ଷ୍ଟେଟ୍ ଓ ଏକାଡ଼ମୀ ସ୍କେଲ ୧:୧୦୦୦
 ଷ୍ଟେଟ୍ ୧୯୭୬-୭୭ Year 1976-77



Legend

- DGPS SURVEYED GEO-REFERENCE POINTS
- DGPS SURVEYED CA LAND BOUNDARY POINTS
- COMPENSATORY AFFORESTATION LAND

DGPS SURVEYED GEO-REFERENCE POINTS					
SL NO.	POINT ID.	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-9	83°54'23.29848	22°07'23.00283	799841.708	2449313.425
2	GEO-11c	83°54'23.69542	22°07'43.63498	799840.947	2449948.6
3	GEO-12a	83°54'36.47772	22°06'35.27209	800247.727	2447851.734
4	GEO-13b	83°54'41.16839	22°06'43.62441	800377.321	2448111.352
5	GEO-14a	83°54'45.23321	22°06'56.95554	800486.028	2448523.853
6	GEO-15b	83°54'23.07072	22°07'08.17162	799843.904	2448856.868
7	GEO-16a	83°54'28.12534	22°06'45.81049	800002.005	2448171.473

DGPS SURVEYED CA LAND BOUNDARY POINTS					
SL NO.	POINT ID.	LONGITUDE	LATITUDE	EASTING	NORTHING
1	BP-1	83°54'23.43434	22°07'30.56167	799841.156	2449546.124
2	BP-2	83°54'25.12496	22°07'30.57847	799889.622	2449547.568
3	BP-3	83°54'26.38840	22°07'30.55695	799925.863	2449547.599
4	BP-4	83°54'26.89135	22°07'30.57827	799940.271	2449548.531
5	BP-5	83°54'26.91481	22°07'31.18498	799940.587	2449567.215
6	BP-6	83°54'27.16407	22°07'30.80976	799947.955	2449555.804
7	BP-7	83°54'27.32899	22°07'30.65047	799952.778	2449550.993
8	BP-8	83°54'27.53149	22°07'30.51154	799958.666	2449546.828
9	BP-9	83°54'27.73831	22°07'30.42583	799964.647	2449544.304
10	BP-10	83°54'27.92777	22°07'30.39098	799970.1	2449543.335
11	BP-11	83°54'28.06158	22°07'30.40660	799973.928	2449543.889
12	BP-12	83°54'28.23178	22°07'30.53117	799978.735	2449547.816
13	BP-13	83°54'28.42124	22°07'30.80178	799984.008	2449556.248
14	BP-14	83°54'28.55079	22°07'30.81475	799987.715	2449556.718
15	BP-15	83°54'29.05680	22°07'30.77062	800002.25	2449555.638
16	BP-16	83°54'29.19686	22°07'31.27192	800005.971	2449571.143
17	BP-17	83°54'29.22636	22°07'31.51549	800006.673	2449578.655
18	BP-18	83°54'29.41560	22°07'31.56633	800012.07	2449580.323
19	BP-19	83°54'30.34125	22°07'31.51084	800038.644	2449579.123
20	BP-20	83°54'30.33676	22°07'30.02467	800039.391	2449533.384
21	BP-21	83°54'30.29003	22°07'27.47603	800039.552	2449454.923
22	BP-22	83°54'30.28093	22°07'25.24016	800040.607	2449386.109
23	BP-23	83°54'29.15004	22°07'24.94921	800008.351	2449376.534
24	BP-24	83°54'27.47952	22°07'24.37482	799960.789	2449357.941
25	BP-25	83°54'25.08132	22°07'23.65565	799892.446	2449334.493
26	BP-26	83°54'24.43486	22°07'23.48845	799874.007	2449328.993
27	BP-27	83°54'23.29998	22°07'22.96114	799841.776	2449312.143
28	BP-28	83°54'23.30813	22°07'23.92709	799841.441	2449341.874

AREA STATISTICS					
SL NO.	VILLAGE NAME	THANA NO.	BLK NO.	KISAM	ALLOTTED AREA AC.
1	GAMHARIDIHI	270	223/P	RAHAD	10
TOTAL CA LAND AREA					10
					4.007
					4.000



[Signature]
 Dy. Kom. Officer
 IC Ujjainpur Range

[Signature]
 Tahasildar, Tangarpali
 Dist. Sundargarh

[Signature]
 24-07-23
 DIVISIONAL FOREST OFFICER
 SUNDARGARH FOREST DIVISION

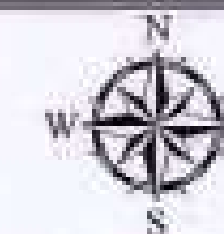
[Signature]
 Addl. General Manager (Mining)
 Odisha Coal and Power Ltd.

SURVEYED & PREPARED BY :-

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



DGPS SURVEYED MAP SHOWING IDENTIFIED COMPENSATORY AFFORESTATION IN VILLAGE TELENDIHI,TAHASIL TANGARPALI,DISTRICT SUNDARGARH IN LIEU OF FOREST AREA PROPOSED FOR DIVERSION FOR DIPSIDE MANOHARPUR COAL MINE OF M/S ODISHA COAL AND POWER LIMITED. AT-SUNDARGARH DISTRICT.



1:3,960



Legend

- DGPS SURVEYED GEO-REFERENCE POINTS
- DGPS SURVEYED CA LAND BOUNDARY POINTS
- ▨ COMPENSATORY AFFORESTATION LAND

DGPS SURVEYED GEO-REFERENCE POINTS

SL NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-2b	84°01'30.75702	22°09'08.75280	193169.597	2452704.474
2	GEO-3a	84°01'20.19675	22°09'25.74858	192877.1	2453233.482
3	GEO-4a	84°00'41.65565	22°09'26.51585	191772.64	2453278.813
4	GEO-5b	84°00'34.92281	22°09'12.48950	191571.113	2452850.927
5	GEO-6a	84°01'20.05427	22°09'06.61521	192861.464	2452644.702
6	GEO-7a	84°01'00.39045	22°09'14.67555	192302.581	2452903.841
7	GEO-8c	84°01'07.84498	22°09'24.90527	192522.481	2453214.479

DGPS SURVEYED CA LAND BOUNDARY POINTS

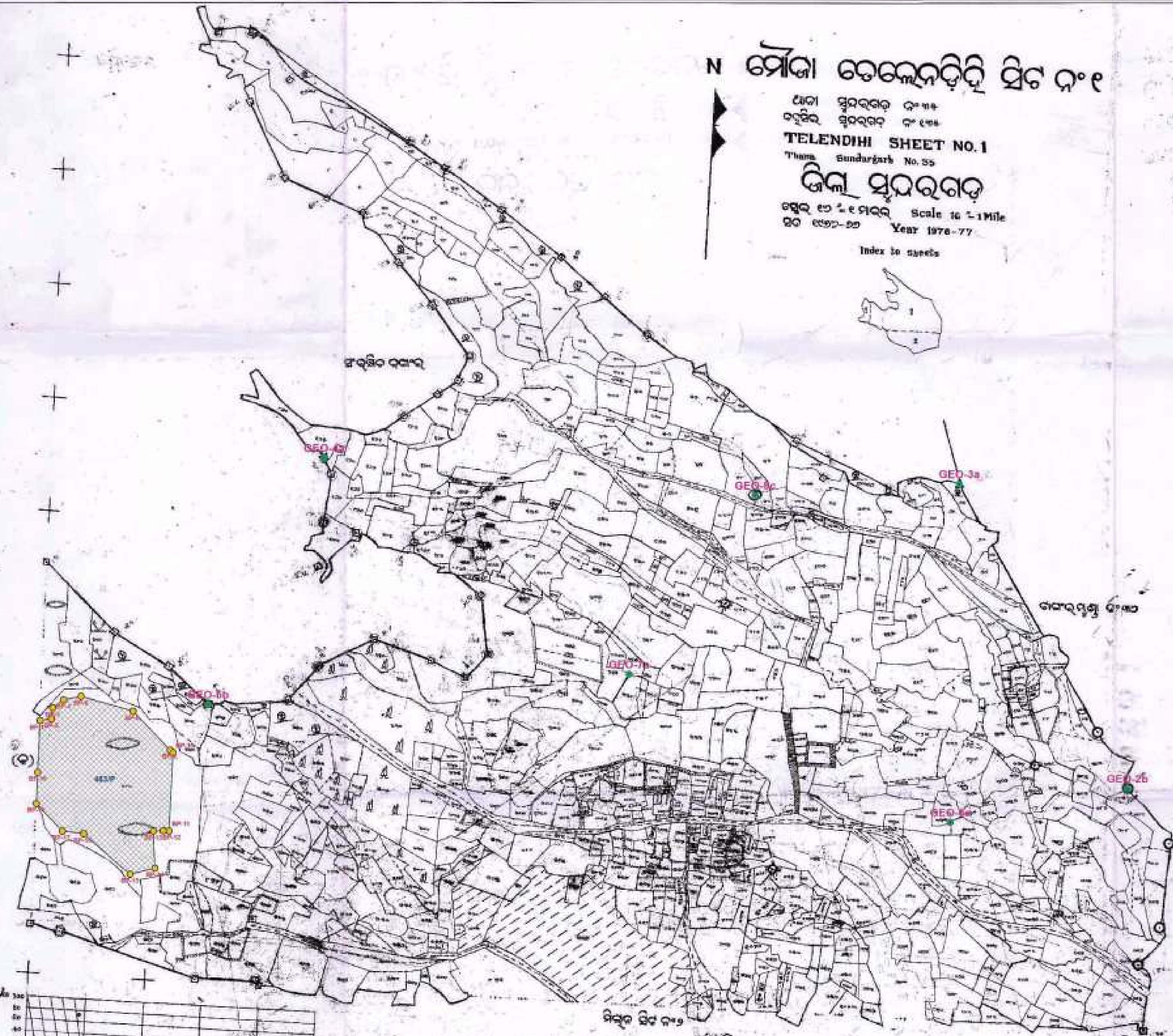
SL NO.	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	BP-1	84°00'24.75429	22°09'11.40569	191278.928	2452823.316
2	BP-2	84°00'25.43444	22°09'11.52129	191298.498	2452826.49
3	BP-3	84°00'25.50626	22°09'12.13875	191300.931	2452845.453
4	BP-4	84°00'26.14125	22°09'12.59356	191319.412	2452859.091
5	BP-6	84°00'27.18623	22°09'12.81610	191349.506	2452865.35
6	BP-8	84°00'30.36696	22°09'12.03334	191440.222	2452839.462
7	BP-9	84°00'32.66004	22°09'09.89555	191504.668	2452772.372
8	BP-10	84°00'32.82968	22°09'09.73687	191509.435	2452767.392
9	BP-11	84°00'32.67468	22°09'05.26565	191502.28	2452629.87
10	BP-12	84°00'32.33728	22°09'05.28024	191492.615	2452630.509
11	BP-13	84°00'31.74355	22°09'05.24349	191475.571	2452629.714
12	BP-14	84°00'31.86349	22°09'03.15383	191477.742	2452565.332
13	BP-15	84°00'30.37298	22°09'02.79416	191434.791	2452555.105
14	BP-16	84°00'27.51605	22°09'05.02069	191354.233	2452625.245
15	BP-17	84°00'26.23529	22°09'05.14118	191317.587	2452629.677
16	BP-18	84°00'24.62212	22°09'06.68267	191272.272	2452678.031
17	BP-19	84°00'24.67658	22°09'08.48865	191274.929	2452733.583

SL NO.	VILLAGE NAME	KHATA NO.	PLOT NO.	KISAM	ALLOTED AREA AC.	ALLOTED AREA HA.	MAP AREA HA.
1	TELENDIHI	148	483/P	TUNGURI	12.5	5.068	5.304
TOTAL CA LAND AREA					12.5	5.068	5.304



SURVEYED & PREPARED BY :-

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



By: [Signature]
By: [Signature]
IC Upalpur Range

12/11/23
Tahasildar, Tangarpali
Dist:- Sundargarh

Add. General Manager (Mines)
Odisha Coal and Power Ltd.