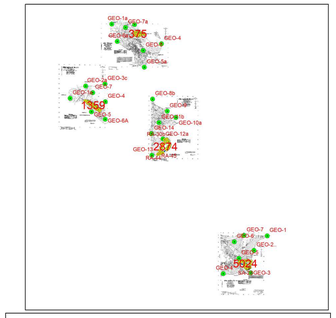
INDEX MAP SHOWING COMPENSATORY AFFORESTATION AREA (26.955HA) IN VILLAGE :RAGHUNATHPALI, SAMASINGHA & SINGIBAHAL UNDER KOLABIRA TAHASIL OF JHARSUGUDA DISTRICT IN LIEU OF DIVERSION OF FOREST LAND OF 13.465 HA FOR CONSTRUCTION OF 132KV D/C TRANSMISSION LINE FROM BRAJARAJNAGAR TO LAKHANPUR BY OPTCL UNDER JHARSUGUDA FOREST DIVISION.

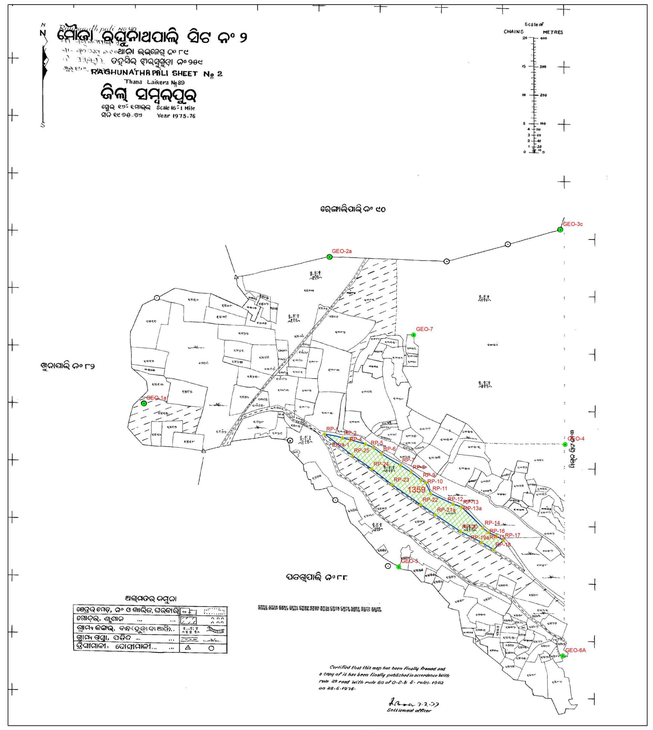


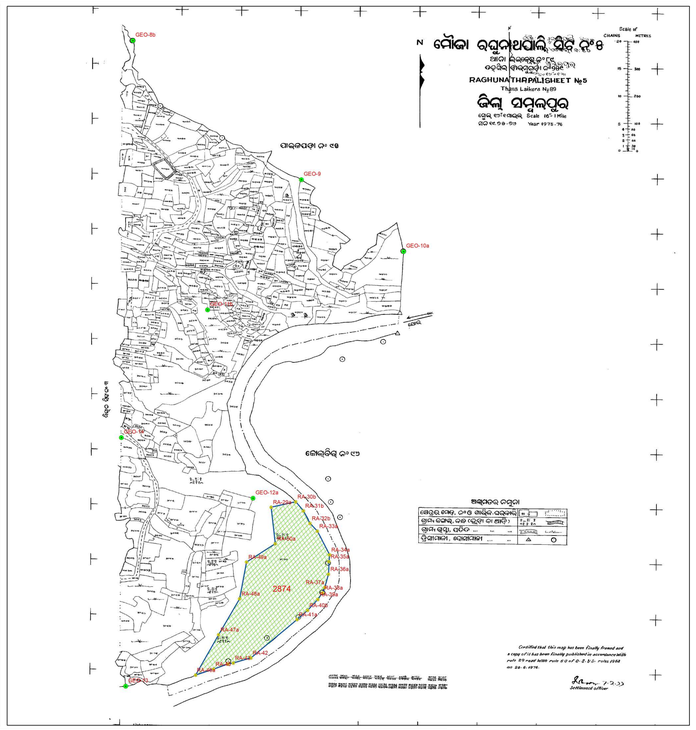
CA LAND -BRAJARAJNAGAR-LAKHANPUR-OPTCL-CEMC

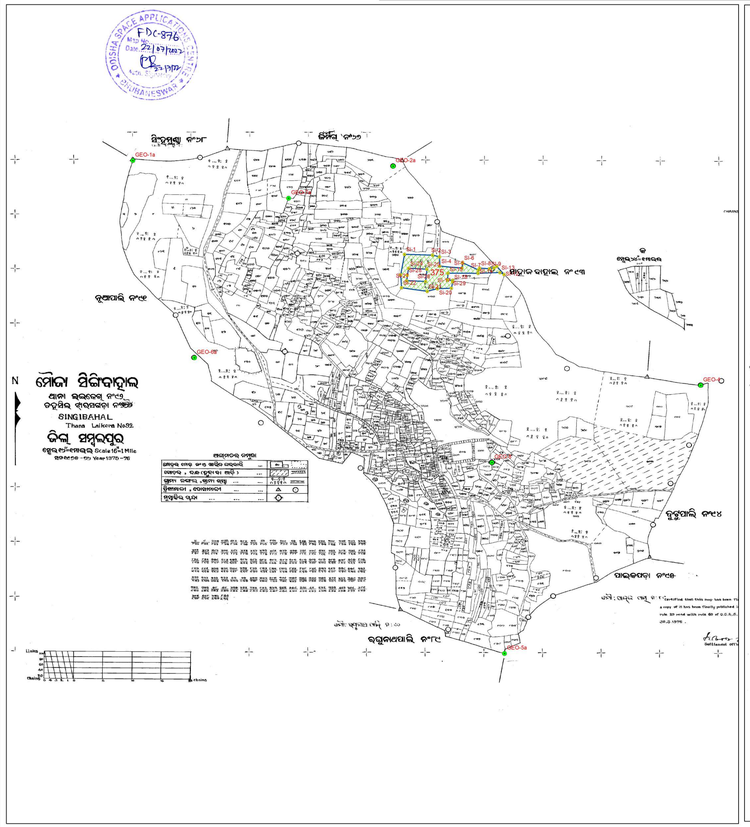
- DGPS Survey of proposed Compensatory Afforestation land in Raghunathpalli, Singibahal and Samasingha village under Kolabira Tahsil, Jharsuguda district in lieu of forest areas proposed for diversion for construction of 132KV DC Transmission line from Brajarajnagar to proposed 132/33KV Grid Sub-station, Kudaloi, Lakhanpur, Jharsuguda district by the Dy. General Manager (Elect.), EHT (C) Division, OPTCL, Jharsuguda has been carried out through M/s Centre for Envotech and Management Consultancy Pvt. Ltd., Bhubaneswar.
- DGPS survey co-ordinates are verified by ORSAC. Also map showing identified Compensatory landis verified with surveyed points & compared with ortho rectified Cartosat-1 satellite image and found that maps are correct at a confidence level of 95%.
- All the proposed Compensatory Afforestation land comes under Revenue forest categoryin Raghunathpali, Singibahal&Samasinghavillages under KolabiraTahsil, Jharsuguda district.
- Total Compensatory Afforestation area works out to 26.955Ha. from the submitted .shp files against the allotted area of 26.956Ha./66.72Ac. as per submitted record.
- Map showing village/plot wise Compensatory Afforestation areas are attached here with.

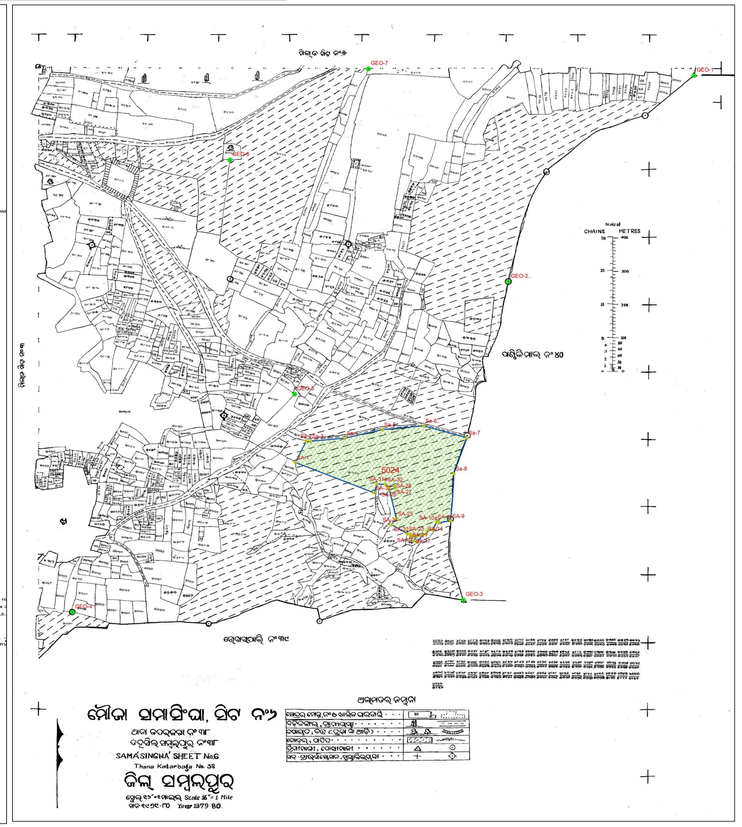
STATISTICS OF COMPENSATORY AFFORESTATION LAND IN VILLAGE RAGHUNATHPALI, SINGIBAHAL, SAMAINGHA IN LIEU OF FOREST AREAS PROPOSED FOR DIVERSION CONSTRUCTION OF 132KV DC TRANSMISSION LINE FROM BRAJARAJNAGAR TO PROPOSED 132/33KV GRID SUB-STATION, KUDALOI, LAKHANPUR OF M/S OPTCL IN JHARSUGUDA DISTRICT

SL. NO.	VILLAGE NAME	PLOT NO.	KISSAM	ALLOTED AREA AC.	ALLOTED AREA HA.(CONV)	MAP AREA HA.
1	RAGHUNATHPALI -5	2874	GRAMYA JUNGLE	30.956	12.482	12.482
2	RAGHUNATHPALI -2	1359	PATRA JUNGLE	9.526	3.855	3.855
3	SINGIBAHAL	375	PATRA JUNGLE	5.013	2.029	2.029
4	SAMASINGHA	5024	JUNGLE	21.225	8.589	8.589
TOTAL CA LAND AREA				66.72	26.956	26.955







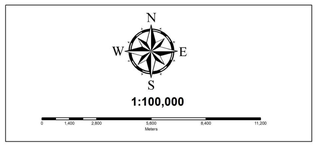


DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS (RAGHUNATHAPALI SHEET-2)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	1	84°09'45.12533"	21°49'58.29448"	206685.155	2417029.654
2	2	84°10'05.22656"	21°49'41.71076"	207253.307	2416508.691
3	3	84°10'17.41749"	21°49'33.14378"	207598.739	2416238.622
4	4	84°09'54.03478"	21°49'26.19519"	206922.949	2416037.149
5	5	84°09'59.44406"	21°49'03.73064"	207065.658	2415342.991
6	6	84°09'44.26948"	21°48'41.31755"	206616.918	2414661.302
7	7	84°09'43.75513"	21°49'10.96506"	206618.944	2415573.914
8	8	84°10'01.64000"	21°49'02.64841"	207128.145	2415308.527
9	9	84°10'04.55698"	21°49'03.30420"	207212.334	2415327.166
10	10	84°10'05.48441"	21°49'02.23114"	207238.376	2415293.655
11	11	84°10'06.26912"	21°49'00.72355"	207260.072	2415246.848
12	12	84°10'07.14912"	21°48'59.79024"	207284.83	2415217.663
13	13	84°10'08.59721"	21°48'56.98576"	207324.855	2415130.596
14	14	84°10'08.51689"	21°48'56.17476"	207322.088	2415105.682
15	15	84°10'08.47408"	21°48'54.67725"	207320.011	2415059.622
16	16	84°10'08.03719"	21°48'53.10967"	207306.571	2415011.614
17	17	84°10'07.76987"	21°48'52.46212"	207298.523	2414991.828
18	18	84°10'07.19940"	21°48'51.66033"	207281.677	2414967.456
19	19	84°10'05.98218"	21°48'50.35968"	207245.964	2414928.074
20	20	84°10'04.72269"	21°48'49.25765"	207209.149	2414894.827
21	21	84°09'59.21293"	21°48'44.68820"	207048.238	2414757.123
22	22	84°09'57.09534"	21°48'44.07833"	206987.043	2414739.475
23	23	84°09'56.47855"	21°48'43.96175"	206969.253	2414736.214
24	24	84°09'54.76554"	21°48'43.35204"	206919.683	2414718.357
25	25	84°09'52.61224"	21°48'42.64440"	206857.406	2414697.719
26	26	84°09'55.35227"	21°48'47.45150"	206938.864	2414844.198
27	27	84°09'57.85692"	21°48'51.74352"	207013.266	2414974.952
28	28	84°09'58.68144"	21°48'56.11197"	207039.431	2415108.946
29	29	84°10'02.12945"	21°48'58.30708"	207139.752	2415174.673
30	30	84°08'12.87682"	21°49'55.89224"	204033.313	2417004.806
31	31	84°08'14.91997"	21°49'55.43212"	204091.754	2416989.555
32	32	84°08'17.55212"	21°49'54.74326"	204166.987	2416966.95
33	33	84°08'18.48061"	21°49'54.31478"	204193.42	2416953.268
34	34	84°08'19.39231"	21°49'53.62605"	204219.221	2416931.587
35	35	84°08'21.55771"	21°49'52.34047"	204280.703	2416890.869
36	36	84°08'22.76350"	21°49'51.53624"	204314.888	2416865.476
37	37	84°08'23.92868"	21°49'50.61790"	204347.841	2416836.594
38	38	84°08'24.43585"	21°49'50.31627"	204362.241	2416827.041
39	39	84°08'25.01769"	21°49'49.08931"	204378.257	2416788.972
40	40	84°08'27.58128"	21°49'47.88349"	204451.226	2416750.497
41	41	84°08'28.53428"	21°49'47.53564"	204478.41	2416739.284
42	42	84°08'28.53475"	21°49'47.53621"	204478.424	2416739.301
43	43	84°08'30.98019"	21°49'45.16968"	204547.336	2416665.171
44	44	84°08'31.58330"	21°49'44.64208"	204564.363	2416648.613
45	45	84°08'32.50148"	21°49'44.24437"	204590.518	2416635.885
46	46	84°08'33.31450"	21°49'43.74035"	204613.59	2416619.941
47	47	84°08'32.20247"	21°49'42.66438"	204581.024	2416587.423
48	48	84°08'30.84646"	21°49'43.48160"	204542.529	2416613.295
49	49	84°08'28.42299"	21°49'44.73090"	204473.61	2416653.032
50	50	84°08'25.54500"	21°49'46.65077"	204392.015	2416713.649
51	51	84°08'23.88285"	21°49'47.81459"	204344.922	2416750.351
52	52	84°08'20.59550"	21°49'50.08486"	204251.766	2416821.97
53	53	84°08'18.28288"	21°49'51.88356"	204186.348	2416878.557
54	54	84°08'16.05311"	21°49'53.42859"	204123.165	2416927.294

DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS (RAGHUNATHAPALI SHEET-5)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	1	84°10'04.55698"	21°49'03.30420"	207212.334	2415327.166
2	2	84°10'05.48441"	21°49'02.23114"	207238.376	2415293.655
3	3	84°10'06.26912"	21°49'00.72355"	207260.072	2415246.848
4	4	84°10'07.14912"	21°48'59.79024"	207284.83	2415217.663
5	5	84°10'08.59721"	21°48'56.98576"	207324.855	2415130.596
6	6	84°10'08.51689"	21°48'56.17476"	207322.088	2415105.682
7	7	84°10'08.47408"	21°48'54.67725"	207320.011	2415059.622
8	8	84°10'08.03719"	21°48'53.10967"	207306.571	2415011.614
9	9	84°10'07.76987"	21°48'52.46212"	207298.523	2414991.828
10	10	84°10'07.19940"	21°48'51.66033"	207281.677	2414967.456
11	11	84°10'05.98218"	21°48'50.35968"	207245.964	2414928.074
12	12	84°10'04.72269"	21°48'49.25765"	207209.149	2414894.827
13	13	84°09'59.21293"	21°48'44.68820"	207048.238	2414757.123
14	14	84°09'57.09534"	21°48'44.07833"	206987.043	2414739.475
15	15	84°09'56.47855"	21°48'43.96175"	206969.253	2414736.214
16	16	84°09'54.76554"	21°48'43.35204"	206919.683	2414718.357
17	17	84°09'52.61224"	21°48'42.64440"	206857.406	2414697.719
18	18	84°09'55.35227"	21°48'47.45150"	206938.864	2414844.198
19	19	84°09'57.85692"	21°48'51.74352"	207013.266	2414974.952
20	20	84°09'58.68144"	21°48'56.11197"	207039.431	2415108.946
21	21	84°10'02.12945"	21°48'58.30708"	207139.752	2415174.673

DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS (SINGIBAHAL)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	1	84°09'25.24477"	21°51'29.73272"	206165.952	2419854.031
2	2	84°09'26.06735"	21°51'29.53987"	206189.472	2419847.66
3	3	84°09'26.10594"	21°51'28.42211"	206189.944	2419813.242
4	4	84°09'28.76561"	21°51'28.19066"	206266.216	2419804.708
5	5	84°09'28.84273"	21°51'28.82027"	206268.79	2419824.042
6	6	84°09'30.74445"	21°51'27.94653"	206322.923	2419796.144
7	7	84°09'30.89861"	21°51'28.16489"	206327.476	2419802.782
8	8	84°09'32.08054"	21°51'28.10078"	206361.392	2419800.182
9	9	84°09'32.62066"	21°51'28.21630"	206376.973	2419803.45
10	10	84°09'32.95474"	21°51'28.38349"	206386.665	2419808.418
11	11	84°09'33.82832"	21°51'27.41966"	206411.213	2419778.294
12	12	84°09'33.33141"	21°51'27.64505"	206397.066	2419785.494
13	13	84°09'30.71453"	21°51'27.56269"	206321.845	2419784.348
14	14	84°09'27.09039"	21°51'27.57981"	206217.745	2419786.799
15	15	84°09'27.05390"	21°51'26.76146"	206216.232	2419761.636
16	16	84°09'27.64979"	21°51'26.71348"	206233.322	2419759.843
17	17	84°09'27.66366"	21°51'26.52864"	206233.615	2419754.147
18	18	84°09'25.82038"	21°51'25.69957"	206180.192	2419729.613
19	19	84°09'24.60771"	21°51'25.38418"	206145.177	2419720.551
20	20	84°09'21.51701"	21°51'25.82406"	206056.641	2419735.73
21	21	84°09'21.40325"	21°51'27.36872"	206054.252	2419783.324
22	22	84°09'22.36308"	21°51'28.14700"	206082.268	2419806.764
23	23	84°09'24.56503"	21°51'28.04163"	206145.463	2419802.352
24	24	84°09'24.41462"	21°51'26.58964"	206140.316	2419757.75
25	25	84°09'22.13924"	21°51'26.67108"	206074.998	2419761.465
26	26	84°09'22.20136"	21°51'27.33650"	206077.161	2419781.909
27	27	84°09'27.50358"	21°51'25.76145"	206228.58	2419730.623

DGPS CO-ORDINATES OF CA LAND BOUNDARY POINTS (SAMASINGHA)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	1	84°11'44.79679"	21°46'15.32698"	209998.651	2410105.441
2	2	84°11'45.19551"	21°46'15.29523"	210010.093	2410104.256
3	3	84°11'48.53682"	21°46'15.59092"	210106.299	2410111.61
4	4	84°11'52.18470"	21°46'16.42623"	210211.618	2410135.411
5	5	84°11'56.15579"	21°46'16.79838"	210325.968	2410144.791
6	6	84°12'00.33787"	21°46'15.63578"	210445.526	2410106.834
7	7	84°11'59.06858"	21°46'12.17178"	210407.109	2410000.901
8	8	84°11'58.76210"	21°46'07.59882"	210395.746	2409860.342
9	9	84°11'57.65521"	21°46'07.43587"	210363.839	2409855.905
10	10	84°11'57.40142"	21°46'07.51997"	210356.591	2409858.625
11	11	84°11'57.08078"	21°46'06.73751"	210346.938	2409834.714
12	12	84°11'56.60552"	21°46'06.73733"	210333.277	2409834.957
13	13	84°11'56.39979"	21°46'06.36499"	210327.156	2409823.606
14	14	84°11'56.02741"	21°46'06.21080"	210316.366	2409819.056
15	15	84°11'55.53899"	21°46'05.55533"	210301.961	2409799.14
16	16	84°11'55.19219"	21°46'05.68376"	210292.064	2409803.273
17	17	84°11'55.42324"	21°46'06.14665"	210298.964	2409817.397
18	18	84°11'55.17932"	21°46'06.19797"	210291.982	2409819.103
19	19	84°11'55.08502"	21°46'06.10787"	210289.221	2409816.38
20	20	84°11'54.89223"	21°46'06.10801"	210283.679	2409816.485
21	21	84°11'54.84953"	21°46'06.31144"	210282.565	2409822.767
22	22	84°11'54.56020"	21°46'06.36494"	210274.279	2409824.565
23	23	84°11'53.02059"	21°46'07.24425"	210230.516	2409852.426
24	24	84°11'53.50050"	21°46'07.82121"	210244.632	2409869.93
25	25	84°11'52.82591"	21°46'10.60514"	210226.797	2409955.949
26	26	84°11'53.37188"	21°46'10.79784"	210242.598	2409961.594
27	27	84°11'53.32901"	21°46'11.00118"	210241.479	2409967.874
28	28	84°11'52.77233"	21°46'10.88366"	210225.413	2409964.548
29	29	84°11'52.48295"	21°46'11.11922"	210217.226	2409971.947
30	30	84°11'51.62490"	21°46'11.16221"	210192.587	2409973.718
31	31	84°11'51.36190"	21°46'10.30526"	210184.549	2409947.485



Legend

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

DGPS CO-ORDINATES OF GEO-REFERENCED POINTS (RAGHUNATHAPALI SHEET-5)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-8b	84°09'45.12533"	21°49'58.29448"	206685.155	2417029.654
2	GEO-9	84°10'05.22656"	21°49'41.71076"	207253.307	2416508.691
3	GEO-10a	84°10'17.41749"	21°49'33.14378"	207598.739	2416238.622
4	GEO-11b	84°09'54.03478"	21°49'26.19519"	206922.949	2416037.149
5	GEO-12a	84°09'59.44406"	21°49'03.73064"	207065.658	2415342.991
6	GEO-13	84°09'44.26948"	21°48'41.31755"	206616.918	2414661.302
7	GEO-14	84°09'43.75513"	21°49'10.96506"	206618.944	2415573.914

DGPS CO-ORDINATES OF GEO-REFERENCED POINTS (RAGHUNATHAPALI SHEET-2)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-1a	84°07'52.19294"	21°49'59.37616"	203441.017	2417123.083
2	GEO-2a	84°08'13.42286"	21°50'16.14278"	204060.593	2417627.693
3	GEO-3c	84°08'39.83806"	21°50'19.22824"	204821.29	2417708.543
4	GEO-4	84°08'40.36599"	21°49'54.70313"	204822.456	2416953.543
5	GEO-5	84°08'21.33809"	21°49'40.71502"	204267.745	2416533.231
6	GEO-6A	84°08'40.09968"	21°49'30.52051"	204801.002	2416209.506
7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DGPS CO-ORDINATES OF GEO-REFERENCED POINTS (SINGIBAHAL)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-1a	84°08'49.23294"	21°51'41.10308"	205137.944	2420223.096
2	GEO-2a	84°09'20.50510"	21°51'40.42025"	206035.881	2420185.438
3	GEO-4	84°09'57.45446"	21°51'14.10167"	207082.359	2419355.937
4	GEO-5a	84°09'33.86952"	21°50'41.92667"	206386.542	2418378.313
5	GEO-6a	84°08'56.63151"	21°51'17.42017"	205336.964	2419490.352
6	GEO-7a	84°09'07.94952"	21°51'36.58552"	205673.023	2420074.108
7	GEO-8	84°09'32.36032"	21°51'04.84336"	206356.208	2419084.331

DGPS CO-ORDINATES OF GEO-REFERENCED POINTS (SAMASINGHA)					
SL NO	POINT ID	LONGITUDE	LATITUDE	EASTING	NORTHING
1	GEO-1	84°12'22.30828"	21°46'50.65529"	211096.536	2411173.011
2	GEO-2..	84°12'04.33600"	21°46'30.71660"	210568.861	2410568.818
3	GEO-3	84°11'59.97451"	21°45'59.97026"	210426.338	2409624.964
4	GEO-4	84°11'22.20759"	21°45'58.77836"	209340.088	2409608.012
5	GEO-5	84°11'43.67517"	21°46'19.85348"	209968.943	2410245.317
6	GEO-6	84°11'37.41576"	21°46'42.50286"	209801.701	2410945.558
7	GEO-7	84°11'50.80271"	21°46'51.30240"	210191.386	2411209.346

AREA STATISTICS						
SL. NO.	VILLAGE NAME	PLOT NO.	KISSAM	ALLOTED AREA AC.	ALLOTED AREA HA.(CONV)	MAP AREA HA.
1	RAGHUNATHPALI -5	2874	GRAMYA JUNGLE	30.956	12.482	12.482
2	RAGHUNATHPALI -2	1359	PATRA JUNGLE	9.526	3.855	3.855
3	SINGIBAHAL	375	PATRA JUNGLE	5.013	2.029	2.029
4	SAMASINGHA	5024	JUNGLE	21.225	8.589	8.589
TOTAL CA LAND AREA				66.72	26.956	26.955

Divisonal Forest Officer
Jharsuguda Forest Division

PREPARED BY :-

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Kolabira

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