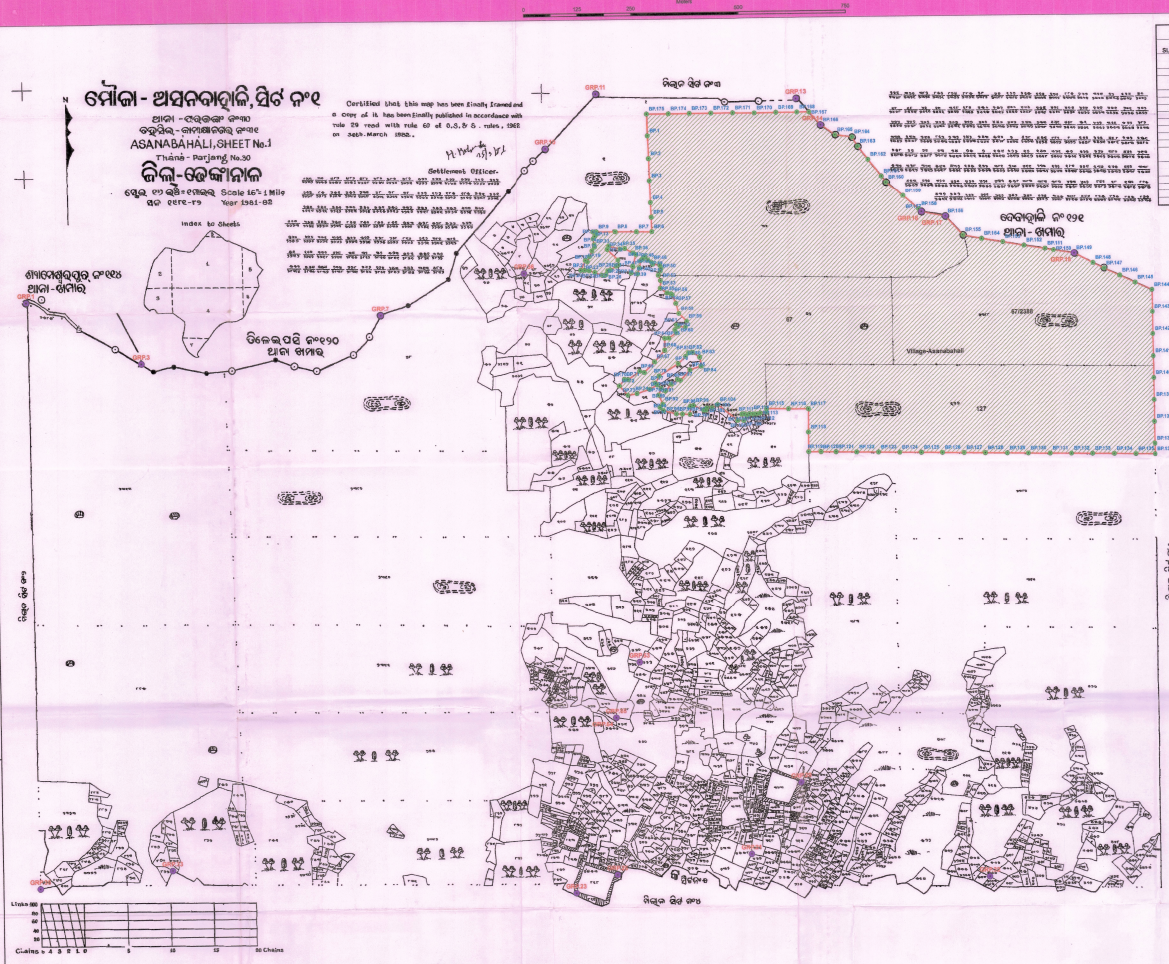
MAP SHOWING THE DGPS SURVEYED OVER AN AREA OF 66.126 HA SELECTED FOR COMPENSATORY AFFORESTATION IN VILLAGE ASANABAHALI UNDER KANKADAHAD TAHASIL IN DHENKANAL DISTRICT,ODISHA FOR BAMEBARI IRON & MANGANESE MINES OF M/s TATA STEEL LTD

SCALE :- 1:4,000

Meters 0 125 250 500 750



Certified that this map has been finally framed and a copy of it has been finally published in accordance with rule 29 read with rule 60 of O.S.R. & O. rules, 1962 on 24th March 1982.

Settlement Officer

- DGPS Survey of identified areas proposed for compensatory afforestation at Asanbahali village under Kankadahad Tahasil, Dhenkanal District in lieu of forest areas proposed for diversion of sabik-forest land within Bamebari Iron & Mn. Mines of M/s Tata Steels Ltd.has been carried out by the user agency through M/s Geo Consultants Pvt. Ltd., Bhubaneswar.
- DGPS Survey co-ordinates are verified by ORSAC. Also the maps showing areas proposed for compensatory afforestation are verified with geo-referenced cadastral sheets, survey co-ordinates and compared with ortho-rectified Cartosat Satellite image and found that maps are correct at a confidence level of 95%.
- Total area proposed for compensatory afforestation comes in one patch and works out to 68.568 Ha. from the submitted .shp files. against the allotted area of 66.126 Ha. as mentioned in the submitted land schedule.

DGPS SURVEYED AREA STATISTICS OF COMPENSATORY AFFORESTATION IN VILLAGE ASANABAHALI FOR BAMEBARI IRON & MANGANESE MINES OF M/s TATA STEEL LTD

Sl No	Village Name	Plot No	Name Of Kissam	Total Area In Ha	Proposed Area In Ac	Proposed Area In Ha	Map Area In Ac	Map Area In Ha
1	Asanabahali	36(P)	Parbat-1	22.784	53.402	21.611	57.517	23.277
2	Asanabahali	67	Patharbani	13.152	32.500	13.152	32.930	13.327
3	Asanabahali	67/2388	Parbat-2	13.759	34.000	13.759	36.137	14.624
4	Asanabahali	127	Parbat-1	17.604	43.500	17.604	42.848	17.340
Total Area				67.299	163.402	66.126	169.432	68.568

DGPS SURVEY GEOREFERENCE POINT COORDINATE IN VILLAGE ASANABAHALI FOR BAMEBARI IRON & MANGANESE MINES OF M/s TATA STEEL LTD

SL NO	POINT ID	GEOGRAPHIC COORDINATE LONGITUDE	GEOGRAPHIC COORDINATE LATITUDE	UTM COORDINATE EASTING	UTM COORDINATE NORTHING	VILLAGE SHEET NO
1	GRP.1	85°16'51.42141"	21°10'34.39027"	320954.918	2343022.575	Asanabahali-1
2	GRP.3	85°16'45.69251"	21°10'25.71338"	320820.796	2342477.407	Asanabahali-1
3	GRP.7	85°17'00.04374"	21°10'33.33005"	321180.186	2342755.732	Asanabahali-1
4	GRP.10	85°17'13.40164"	21°10'42.38444"	321488.661	2342984.502	Asanabahali-1
5	GRP.11	85°17'17.48435"	21°10'50.02326"	322288.798	2343060.512	Asanabahali-1
6	GRP.13	85°17'33.61475"	21°10'49.67227"	322764.538	2343074.712	Asanabahali-1
7	GRP.14	85°17'35.63434"	21°10'47.88306"	322811.521	2343012.253	Asanabahali-1
8	GRP.16	85°17'43.7541"	21°10'41.03024"	323043.947	2342807.022	Asanabahali-1
9	GRP.17	85°17'45.70274"	21°10'40.73776"	323099.653	2342798.185	Asanabahali-1
10	GRP.18	85°17'58.03043"	21°10'39.01252"	323398.465	2342739.199	Asanabahali-1
11	GRP.21	85°17'28.53320"	21°10'52.69218"	322628.877	2341323.522	Asanabahali-1
12	GRP.23	85°17'15.76265"	21°10'49.74268"	322219.992	2341237.314	Asanabahali-1
13	GRP.25	85°17'10.10193"	21°10'51.12601"	322313.908	2341275.595	Asanabahali-1
14	GRP.29	85°17'03.98398"	21°10'59.06779"	322167.491	2341487.582	Asanabahali-1
15	GRP.32	85°17'48.22808"	21°10'51.03423"	323184.925	2341266.592	Asanabahali-1
16	GRP.33	85°16'42.99820"	21°10'51.35789"	321214.510	2341303.278	Asanabahali-1
17	GRP.35	85°16'32.36360"	21°10'50.28134"	320967.355	2341265.733	Asanabahali-1
18	GRP.36	85°17'11.83483"	21°10'38.51197"	322115.560	2340978.899	Asanabahali-1
19	GRP.53	85°17'26.92652"	21°10'07.24434"	322373.898	2341773.849	Asanabahali-1
20	GRP.54	85°17'16.01095"	21°10'05.07492"	322017.355	2341843.144	Asanabahali-1
21	GRP.55	85°17'16.01946"	21°10'02.97455"	322317.374	2341643.133	Asanabahali-1

DGPS SURVEY CA BOUNDARY PILLAR POINTS COORDINATE IN VILLAGE ASANABAHALI FOR BAMEBARI IRON & MANGANESE MINES OF M/s TATA STEEL LTD

SL NO	POINT ID	GEOGRAPHIC COORDINATE LONGITUDE	GEOGRAPHIC COORDINATE LATITUDE	UTM COORDINATE EASTING	UTM COORDINATE NORTHING
1	BP.1	85°17'21.05298"	21°10'48.88025"	322405.995	2342982.315
2	BP.2	85°17'21.73117"	21°10'45.13640"	322426.170	2342867.855
3	BP.3	85°17'21.91016"	21°10'43.47002"	322431.499	2342817.800
4	BP.4	85°17'21.94108"	21°10'43.37444"	322431.595	2342818.551
5	BP.5	85°17'21.94108"	21°10'43.37444"	322431.595	2342818.551
6	BP.6	85°17'21.95505"	21°10'38.85577"	322435.462	2342676.873
7	BP.7	85°17'21.71024"	21°10'38.85598"	322376.354	2342675.605
8	BP.8	85°17'19.53005"	21°10'38.85590"	322309.678	2342671.046
9	BP.9	85°17'17.51324"	21°10'38.84902"	322248.125	2342671.452
10	BP.10	85°17'17.21021"	21°10'38.84108"	322239.095	2342671.465
11	BP.11	85°17'17.21021"	21°10'38.84108"	322239.095	2342671.465
12	BP.12	85°17'17.28931"	21°10'38.84092"	322239.337	2342670.968
13	BP.13	85°17'17.28931"	21°10'38.10231"	322239.355	2342794.750
14	BP.14	85°17'17.30109"	21°10'38.08972"	322239.211	2342741.340
15	BP.15	85°17'17.38811"	21°10'38.48861"	322241.901	2342739.866
16	BP.16	85°17'17.38811"	21°10'38.35298"	322241.906	2342737.205
17	BP.17	85°17'18.84435"	21°10'37.75437"	322284.162	2342713.360
18	BP.18	85°17'19.01168"	21°10'37.75437"	322289.253	2342713.360
19	BP.19	85°17'19.01168"	21°10'37.45891"	322289.279	2342704.713
20	BP.20	85°17'19.23208"	21°10'36.74354"	322246.650	2342682.491
21	BP.21	85°17'19.51821"	21°10'36.74141"	322256.328	2342683.344
22	BP.22	85°17'19.85635"	21°10'36.70449"	322266.583	2342681.669
23	BP.23	85°17'21.31137"	21°10'36.55442"	322261.054	2342677.181
24	BP.24	85°17'21.89884"	21°10'36.36117"	322344.372	2342671.381
25	BP.25	85°17'19.23208"	21°10'36.74354"	322246.650	2342682.491
26	BP.26	85°17'19.51821"	21°10'36.74141"	322256.328	2342683.344
27	BP.27	85°17'19.85635"	21°10'36.70449"	322266.583	2342681.669
28	BP.28	85°17'19.60097"	21°10'36.70677"	322311.672	2342680.951
29	BP.29	85°17'19.09892"	21°10'37.05297"	322311.391	2342691.118
30	BP.30	85°17'19.24652"	21°10'37.13021"	322316.485	2342693.493
31	BP.31	85°17'19.23452"	21°10'37.50507"	322316.123	2342704.897
32	BP.32	85°17'19.40021"	21°10'37.50507"	322321.675	2342704.897
33	BP.33	85°17'19.40011"	21°10'36.33117"	322340.391	2342739.100
34	BP.34	85°17'19.40011"	21°10'36.33117"	322340.391	2342739.100
35	BP.35	85°17'19.30408"	21°10'36.37445"	322351.542	2342731.709
36	BP.36	85°17'22.45014"	21°10'36.06139"	322370.667	2342721.431
37	BP.37	85°17'22.45014"	21°10'37.20207"	322377.075	2342717.700
38	BP.38	85°17'22.45056"	21°10'37.20167"	322366.609	2342696.067
39	BP.39	85°17'22.45056"	21°10'37.20167"	322366.609	2342696.067
40	BP.40	85°17'21.06707"	21°10'37.20167"	322326.441	2342697.458
41	BP.41	85°17'21.06707"	21°10'36.80167"	322326.439	2342686.559
42	BP.42	85°17'21.08707"	21°10'37.40527"	322326.548	2342719.219
43	BP.43	85°17'21.25781"	21°10'37.57863"	322331.791	2342726.927
44	BP.44	85°17'21.25781"	21°10'37.75242"	322336.441	2342732.768
45	BP.45	85°17'21.08208"	21°10'37.55117"	322325.164	2342726.114
46	BP.46	85°17'21.08208"	21°10'37.31207"	322314.935	2342719.669
47	BP.47	85°17'22.05398"	21°10'37.19455"	322315.942	2342684.348
48	BP.48	85°17'22.05398"	21°10'36.99455"	322315.942	2342678.348
49	BP.49	85°17'22.271"	21°10'36.99455"	322324.410	2342678.348
50	BP.50	85°17'22.89507"	21°10'36.68599"	322324.410	2342678.715
51	BP.51	85°17'22.93202"	21°10'36.35127"	322326.077	2342667.665
52	BP.52	85°17'22.89892"	21°10'35.95748"	322324.354	2342655.830
53	BP.53	85°17'22.89892"	21°10'35.34440"	322324.354	2342636.247
54	BP.54	85°17'23.20180"	21°10'35.34519"	322445.709	2342636.167
55	BP.55	85°17'23.20180"	21°10'34.94519"	322445.709	2342623.167
56	BP.56	85°17'23.20180"	21°10'34.95519"	322445.709	2342623.167
57	BP.57	85°17'23.50489"	21°10'34.34197"	322455.748	2342603.157
58	BP.58	85°17'24.13820"	21°10'33.49214"	322475.514	2342576.135
59	BP.59	85°17'24.17448"	21°10'33.87641"	322493.384	2342590.921
60	BP.60	85°17'24.19526"	21°10'33.47601"	322473.521	2342545.898
61	BP.60A	85°17'24.57038"	21°10'33.44272"	322485.345	2342547.616
62	BP.61	85°17'23.50489"	21°10'34.34197"	322455.748	2342603.157
63	BP.62	85°17'23.50489"	21°10'33.42024"	322455.748	2342574.135
64	BP.63	85°17'23.93087"	21°10'31.59919"	322469.749	2342514.236
65	BP.64	85°17'23.93087"	21°10'31.59919"	322469.749	2342514.236
66	BP.65	85°17'22.89892"	21°10'31.58199"	322441.729	2342521.683
67	BP.66	85°17'22.93202"	21°10'31.70599"	322441.727	2342526.522
68	BP.67	85°17'22.17497"	21°10'29.80899"	322417.365	2342466.961
69	BP.68	85°17'22.17497"	21°10'29.80899"	322417.365	2342466.961
70	BP.69	85°17'20.83562"	21°10'28.84397"	322374.453	2342437.453
71	BP.70	85°17'20.83562"	21°10'28.84397"	322374.453	2342437.453
72	BP.71	85°17'19.72997"	21°10'28.82637"	322340.155	2342436.577
73	BP.72	85°17'19.31787"	21°10'28.84897"	322324.377	2342436.103
74	BP.73	85°17'19.31787"	21°10'27.93997"	322325.042	2342405.565
75	BP.74	85°17'21.78197"	21°10'27.47197"	322373.353	2342395.946
76	BP.75	85°17'21.78197"	21°10'27.47197"	322373.353	2342395.946
77	BP.76	85°17'21.99897"	21°10'28.12499"	322379.990	2342415.728
78	BP.77	85°17'22.04897"	21°10'28.29197"	322381.690	2342419.191
79	BP.78	85°17'24.05197"	21°10'29.22197"	322447.324	2342448.580
80	BP.79	85°17'24.07197"	21°10'29.73197"	322472.024	2342464.139
81	BP.80	85°17'24.89497"	21°10'29.73197"	322472.024	2342464.139
82	BP.81	85°17'24.89497"	21°10'29.73197"	322472.024	2342464.139
83	BP.82	85°17'24.89497"	21°10'29.73197"	322472.024	2342464.139
84	BP.83	85°17'24.89497"	21°10'29.73197"	322472.024	2342464.139
85	BP.84	85°17'25.60597"	21°10'29.52897"	322501.481	2342457.515
86	BP.85	85°17'25.60597"	21°10'29.52897"	322501.481	2342457.515
87	BP.86	85°17'24.38597"	21°10'28.69897"	322475.948	2342435.555
88	BP.87	85°17'24.05597"	21°10'28.34797"	322463.325	2342425.244
89	BP.88	85°17'23.51697"	21°10'28.19697"	322445.398	2342417.139
90	BP.89	85°17'23.51697"	21°10'28.19697"	322445.398	2342417.139
91	BP.90	85°17'23.08697"	21°10'27.77197"	322430.325	2342407.914
92	BP.91	85°17'23.01317"	21°10'27.55697"	322430.325	2342391.809
93	BP.92	85°17'23.01317"	21°10'27.55697"	322430.325	2342391.809
94	BP.93	85°17'23.50297"	21°10'28.42729"	322429.175	2342393.928
95	BP.94	85°17'23.50297"	21°10'28.77729"	322429.175	2342404.424
96	BP.95	85°17'23.92199"	21°10'28.60571"	322445.489	2342347.430
97	BP.96	85°17'24.51997"	21°10'28.60571"	322465.187	2342347.430
98	BP.97	85°17'24.51997"	21°10'28.60571"	322465.187	2342347.430
99	BP.98	85°17'24.51997"	21°10'28.60571"	322465.187	2342347.430
100	BP.99	85°17'24.51997"	21°10'28.60571"	322465.187	2342347.430
101	BP.100	85°17'26.13697"	21°10'26.15172"	322530.189	2342264.824
102	BP.101	85°17'26.13697"	21°10'26.15172"	322530.189	2342264.824
103	BP.102	85°17'26.41197"	21°10'26.35649"	322539.444	2342260.867
104	BP.103	85°17'26.41197"	21°10'26.35649"	322539.444	2342260.867
105	BP.104	85°17'27.06897"	21°10'26.63497"	322561.248	2342252.773
106	BP.105	85°17'27.06897"	21°10'26.63497"	322561.248	2342252.773
107	BP.106	85°17'27.06897"	21°10'26.63497"	322561.248	2342252.773
108	BP.107	85°17'29.18197"	21°10'25.89649"	322631.352	2342224.905
109	BP.108	85°17'29.38797"	21°10'25.88137"	322637.918	2342224.449
110	BP.109	85°17'29.39497"	21°10'25.34199"	322638.077	2342201.591
111	BP.110	85°17'29.39497"	21°10'25.08199"	322638.077	2342190.649
112	BP.111	85°17'29.39497"	21°10'25.08199"	322638.077	2342190.649
113	BP.112	85°17'29.39497"	21°10'25.08199"	322638.077	2342190.649
114	BP.113	85°17'29.39497"	21°10'25.08199"	322638.077	2342190.649
115	BP.114	85°17'31.19097"	21°10'25.29149"	322675.297	2342198.196
116	BP.115	85°17'31.19097"	21°10'25.31097"	322675.132	2342198.947
117	BP.116	85°17'29.31197"	21°10'25.35499"	322627.658	2342200.561
118	BP.117	85°17'29.31197"	21°10'25.35499"	322627.658	2342200.561
119	BP.118	85°17'29.37617"	21°10'25.35537"	322627.442	2342201.353
120	BP.119	85°17'29.37617"	21°10'25.35537"	322627.442	2342201.353
121	BP.120	85°17'29.68697"	21°10'25.36037"	322637.422	2342202.773
122	BP.121	85°17'29.80697"	21°10'25.35761"	322641.291	2342202.322
123	BP.122	85°17'29.80697"	21°10'25.35761"	322641.918	2342202.322
124	BP.123	85°17'30.35214"	21°10'23.23971"	322657.313	2342253.599
125	BP.124	85°17'31.95513"	21°10'23.23971"	322698.509	2342253.812
126	BP.125	85°17'31.72597"	21°10'23.02037"	322698.424	2342243.895
127	BP.126	85°17'31.72597"	21°10'23.02037"	322698.424	2342243.895
128	BP.127	85°17'31.72597"	21°10'23.02037"	322698.424	2342243.895
129	BP.128	85°17'45.87597"	21°10'22.05597"	323136.255	2342204.545
130	BP.129	85°17'51.19097"	21°10'21.35197"	323298.756	2342184.744
131	BP.130	85°17'52.05997"	21°10'21.31497"	323327.658	2342183.561
132	BP.131	85°17'52.05997"	21°10'21.31497"	323327.658	2342183.561
133	BP.132	85°17'55.84497"	21°10'21.35537"	323443.442	2342183.353
134	BP.133	85°17'55.84497"	21°10'21.35537"	323443.442	2342183.353
135	BP.134	85°17'55.84497"	21°10'21.35537"	323443.442	2342183.353
136	BP.135	85°18'01.04597"	21°10'22.83371"	323598.330	2342243.064
137	BP.136	85°18'01.04597"	21°10'22.83371"	323598.330	2342243.064
138	BP.137	85°18'00.55897"	21°10'23.74197"	323581.324	2342287.448
139	BP.138	85°18'00.55897"	21°10'23.74197"	323581.324	2342287.448
140	BP.139	85°18'00.55897"	21°10'23.74197"	323581.324	2342287.448
141	BP.140	85°18'00.55897"	21°10'23.74197"	323581.324	2342287.448
142	BP.141	85°18'02.42897"	21°10'24.61197"	323645.609	2342326.379
143	BP.142	85°18'02.42897"	21°10'24.61197"	323645.609	2342326.379
144	BP.143	85°18'02.35897"	21°10'25.35197"	323643.202	2342359.381
145	BP.144	85°18'02.35897"	21°10'25.35197"	323643.202	2342359.381
146	BP.145	85°18'02.35897"	21°10'25.35197"	323643.202	2342359.381
147	BP.146	85°18'04.08897"	21°10'26.06197"	323702.607	2342389.828
148	BP.147	85°18'04.08897"	21°10'26.06197"	323702.607	2342389.828
149	BP.148	85°18'04.08897"	21°10'26.06197"	323702.607	2342389.828
150	BP.149	85°18'04.08897"	21°10'26.06197"	323702.607	2342389.828
151	BP.150	85°18'04.08897"	21°10'26.06197"	323702.607	2342389.828
152	BP.151	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
153	BP.152	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
154	BP.153	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
155	BP.154	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
156	BP.155	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
157	BP.156	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
158	BP.157	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
159	BP.158	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
160	BP.159	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
161	BP.160	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
162	BP.161	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
163	BP.162	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
164	BP.163	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
165	BP.164	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
166	BP.165	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
167	BP.166	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
168	BP.167	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
169	BP.168	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
170	BP.169	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
171	BP.170	85°18'03.73897"	21°10'26.35597"	323690.383	2342402.376
172	BP.171	85°17'53.55147"	21°10'48.55127"	323357.998	2342932.378
173	BP.172	85°17'53.70797"	21°10'48.57021"	323358.888	2342932.807
174	BP.173	85°17'53.70797"	21°10'48.55907"	323358.741	2342932.882
175	BP.174	85°17'53.34552"	21°10'48.52958"	323347.487	2342932.754
176	BP.175	85°17'53.34552"	21°10'48.52958"	323347.487	2342932.754

DGPS SURVEY CONDUCTED BY

GEO CONSULTANTS PVT.LTD

Laxmi Sagar,Bhubaneswar

Legend

- DGPS Survey CA Boundary Pillar Points
- DGPS Survey Geo-Reference Points
- DGPS Survey CA Boundary

TAHASILDAR KANKADAHAD

Divisional Forest Officer Dhenkanal Division

For TATA STEEL LTD

Head Mine Planning TATA STEEL LTD.

Auth. Signatory

ORISSA SPACE APPLICATIONS CENTRE BHUBANESWAR

FAMD/L2L/BMM/17/2016

PLATE :- XVII