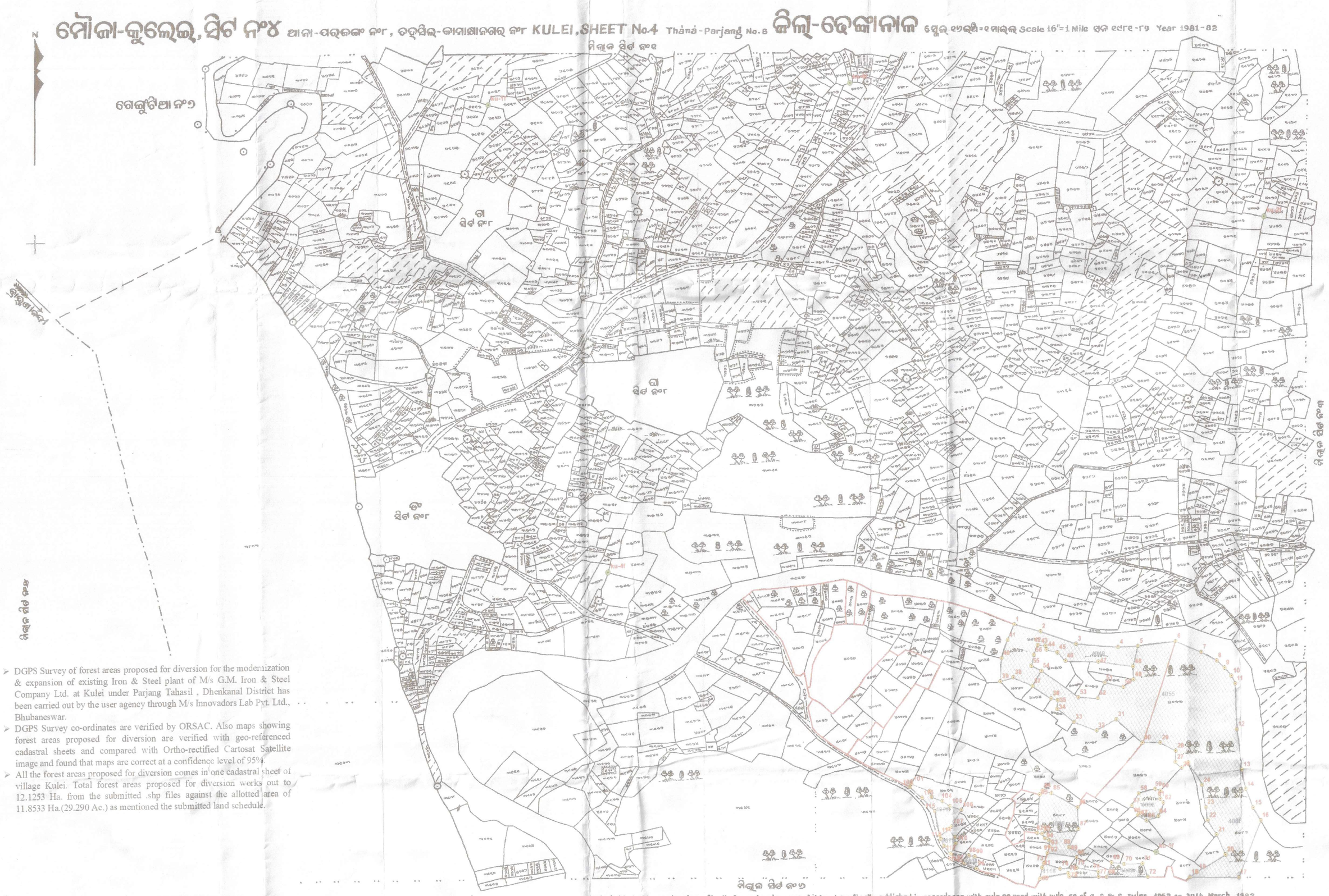
DGPS SURVEYED MAP SHOWING FOREST AREA PROPOSED FOR DIVERSION FOR THE MODERNISATION & EXPANSION OF EXISTING IRON AND STEEL PLANT BY GM IRON & STEEL COMPANY LTD. AT VILLAGE KULEI(SHEET NO-4) IN DHENKANAL DISTRICT



- DGPS Survey of forest areas proposed for diversion for the modernization & expansion of existing Iron & Steel plant of M/s G.M. Iron & Steel Company Ltd. at Kulei under Parjang Tahasil , Dhenkanal District has been carried out by the user agency through M/s Innovadors Lab Pvt. Ltd., Bhubaneswar.
- DGPS Survey co-ordinates are verified by ORSAC. Also maps showing forest areas proposed for diversion are verified with geo-referenced cadastral sheets and compared with Ortho-rectified Cartosat Satellite image and found that maps are correct at a confidence level of 95%.
- All the forest areas proposed for diversion comes in one cadastral sheet of village Kulei. Total forest areas proposed for diversion works out to 12.1253 Ha. from the submitted .shp files against the allotted area of 11.8533 Ha.(29.290 Ac.) as mentioned the submitted land schedule.

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 & S.rules, 1962 on 30th March 1982.

Settlement Officer.

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Legend

- DGPS SURVEYED GEO-REFRENCED POINTS
- DERIVED FOREST BOUNDARY COORDINATES
- FOREST PATCHES
- EXPANSION PLANT BOUNDARY

DGPS SURVEYED POINTS USED FOR GEO-REFERENCING

SL NO	PNT_ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	ku-1f	85°15'54.50605"	20°59'48.45533"	319673.648	2322771.155
2	ku-2f	85°16'50.02257"	20°59'39.85017"	321274.094	2322489.2
3	ku-4f	85°16'02.73640"	20°59'14.70723"	319900.091	2321730.725
4	ku-5f	85°16'41.97906"	20°58'54.18347"	321026.678	2321087.322
5	ku-6f	85°16'20.37048"	20°59'49.74123"	320421.029	2322802.611

DERIVED FOREST BOUNDARY PILLAR COORDINATES

PNT_ID	EASTING	NORTHING	LONGITUDE	LATITUDE	PNT_ID	EASTING	NORTHING	LONGITUDE	LATITUDE
1	320756.677	2321897.846	85°16'31.85292"	20°59'10.68189"	59	321026.654	2321227.408	85°16'41.92248"	20°58'58.13898"
2	320754.583	2321580.925	85°16'33.74148"	20°59'10.19989"	60	321037.548	2321223.496	85°16'42.36480"	20°58'58.61469"
3	320607.848	2321882.203	85°16'36.30720"	20°59'09.24288"	61	321037.281	2321205.4	85°16'42.30228"	20°58'58.02636"
4	320855.092	2321542.964	85°16'39.33014"	20°59'08.97288"	62	311045.134	2321197.433	85°16'42.50784"	20°58'57.76932"
5	320995.876	2321544.824	85°16'40.74204"	20°59'09.04776"	63	321037.785	2321177.46	85°16'42.33000"	20°58'57.11898"
6	321073.798	2321554.298	85°16'41.53238"	20°59'09.38292"	64	321030.156	2321166.981	85°16'42.13884"	20°58'56.77536"
7	321126.761	2321528.499	85°16'45.27948"	20°59'08.56284"	65	321008.066	2321157.705	85°16'41.30832"	20°58'56.46720"
8	321158.184	2321509.983	85°16'46.37624"	20°59'07.97172"	66	320990.547	2321159.658	85°16'40.69740"	20°58'56.54771"
9	321174.288	2321493.812	85°16'46.93806"	20°59'07.45152"	67	320982.471	2321174.44	85°16'40.79713"	20°58'57.00432"
10	321188.184	2321476.383	85°16'47.42292"	20°59'06.85716"	68	320923.463	2321033.578	85°16'38.42580"	20°58'52.39992"
11	321195.726	2321457.935	85°16'47.69128"	20°59'06.29268"	69	320933.067	2321068.913	85°16'38.76768"	20°58'53.45472"
12	321197.314	2321387.148	85°16'47.78580"	20°59'03.01996"	70	320958.901	2321062.118	85°16'39.64224"	20°58'53.34024"
13	321206.739	2321268.314	85°16'48.14698"	20°59'00.13128"	71	320997.679	2321062.053	85°16'40.98468"	20°58'53.35176"
14	321214.063	2321223.469	85°16'48.41844"	20°58'58.67880"	72	321007.839	2321081.997	85°16'41.33712"	20°58'52.37796"
15	321220.076	2321181.88	85°16'48.85076"	20°58'57.31896"	73	320792.92	2321066.706	85°16'33.89412"	20°58'53.43132"
16	321244.124	2321153.568	85°16'49.48212"	20°58'56.41356"	74	320826.51	2321054.251	85°16'35.06160"	20°58'53.03820"
17	321195.655	2321027.997	85°16'47.85096"	20°58'52.31352"	75	320859.833	2321055.751	85°16'36.21468"	20°58'53.09868"
18	321095.454	2321030.589	85°16'44.38128"	20°58'52.36212"	76	320995.575	2321045.879	85°16'37.80192"	20°58'52.79376"
19	321110.941	2321042.476	85°16'44.91200"	20°58'52.75488"	77	320995.944	2321034.26	85°16'37.81920"	20°58'52.41612"
20	321169.48	2321078.862	85°16'46.92576"	20°58'53.94936"	78	320844.884	2321036.648	85°16'35.70456"	20°58'52.47228"
21	321182.646	2321124.098	85°16'46.32636"	20°58'55.43320"	79	320842.879	2321043.649	85°16'35.63256"	20°58'52.69908"
22	321134.918	2321158.242	85°16'45.70104"	20°58'56.41776"	80	320784.893	2321033.305	85°16'33.61836"	20°58'52.34232"
23	321131.648	2321184.785	85°16'45.57984"	20°58'57.38916"	81	320789.354	2321057.162	85°16'33.77424"	20°58'53.11992"
24	321134.388	2321234.394	85°16'45.59184"	20°58'58.99944"	82	320781.588	2321134.536	85°16'33.47844"	20°58'55.63272"
25	321096.434	2321285.994	85°16'44.32008"	20°59'00.66732"	83	320787.789	2321219.321	85°16'33.65688"	20°58'58.39140"
26	321082.878	2321274.966	85°16'43.83732"	20°59'00.30408"	84	320793.515	2321228.541	85°16'33.85452"	20°58'58.69344"
27	321069.787	2321287.413	85°16'43.38132"	20°59'00.70404"	85	320812.370	2321222.542	85°16'34.50072"	20°58'58.50480"
28	321070.68	2321312.483	85°16'43.41864"	20°59'01.51980"	86	320866.087	2321189.426	85°16'36.38136"	20°58'57.44712"
29	321038.834	2321331.091	85°16'42.30012"	20°59'02.11344"	87	320866.866	2321142.386	85°16'36.42600"	20°58'55.91784"
30	321002.193	2321331.541	85°16'41.04048"	20°59'02.11524"	88	320845.526	2321101.672	85°16'35.70240"	20°58'54.58656"
31	320948.58	2321383.981	85°16'39.17856"	20°59'03.80184"	89	320848.074	2321089.101	85°16'35.48736"	20°58'54.18588"
32	320908.243	2321360.182	85°16'37.77108"	20°59'03.01380"	90	320860.693	2321079.222	85°16'35.23392"	20°58'53.86188"
33	320861.044	2321379.469	85°16'36.13884"	20°59'03.62220"	91	320801.809	2321090.494	85°16'34.19292"	20°58'54.20784"
34	320827.121	2321409.427	85°16'34.95636"	20°59'04.58028"	92	320805.207	2321104.27	85°16'34.36560"	20°58'54.65712"
35	320828.661	2321438.785	85°16'34.98444"	20°59'05.21628"	93	320865.794	2321118.491	85°16'34.52072"	20°58'55.11936"
36	320814.648	2321432.785	85°16'34.51008"	20°59'05.34048"	94	320796.804	2321122.342	85°16'34.00788"	20°58'55.24176"
37	320777.232	2321460.626	85°16'33.20400"	20°59'06.23364"	95	320791.104	2321133.008	85°16'33.86664"	20°58'55.58628"
38	320737.828	2321480.787	85°16'31.82136"	20°59'06.87336"	96	320683.073	2321095.463	85°16'29.05608"	20°58'53.11416"
39	320710.475	2321472.186	85°16'30.88884"	20°59'06.58608"	97	320628.207	2321071.145	85°16'28.19028"	20°58'53.51808"
40	320713.851	2321523.466	85°16'30.98640"	20°59'08.25468"	98	320638.1	2321087.84	85°16'28.52652"	20°58'54.06420"
41	320726.948	2321563.192	85°16'31.39932"	20°59'09.58032"	99	320660.195	2321085.074	85°16'28.94628"	20°58'53.97852"
42	320788.774	2321550.99	85°16'33.53112"	20°59'09.17856"	100	320818.87	2321242.499	85°16'24.34116"	20°58'59.05092"
43	320804.329	2321549.178	85°16'34.10940"	20°59'09.12228"	101	320822.627	2321249.294	85°16'24.46860"	20°58'59.27364"
44	320806.884	2321541.03	85°16'34.20984"	20°59'08.85804"	102	320569.053	2321232.239	85°16'18.77072"	20°58'58.72160"
45	320826.857	2321534.022	85°16'34.93548"	20°59'08.63808"	103	320564.262	2321218.708	85°16'18.92136"	20°58'58.29312"
46	320842.384	2321515.112	85°16'35.53968"	20°59'08.02932"	104	320585.344	2321209.519	85°16'20.65488"	20°58'58.00188"
47	320913.963	2321511.616	85°16'37.91976"	20°59'07.83932"	105	320601.881	2321198.068	85°16'22.22508"	20°58'57.63540"
48	320985.414	2321500.065	85°16'40.39680"	20°59'07.58868"	106	320624.217	2321188.972	85°16'24.08112"	20°58'57.34740"
49	320985.476	2321471.347	85°16'40.40040"	20°59'06.68520"	107	320603.481	2321152.206	85°16'27.30252"	20°58'56.14464"
50	320983.771	2321454.719	85°16'39.66630"	20°59'06.10692"	108	320597.93	2321146.891	85°16'27.11388"	20°58'55.97004"
51	320926.296	2321465.053	85°16'38.36016"	20°59'06.42984"	109	320610.049	2321128.83	85°16'27.54012"	20°58'55.38720"
52	320911.683	2321431.437	85°16'37.86960"	20°59'05.33148"	110	320612.082	2321114.917	85°16'27.61872"	20°58'54.93540"
53	320871.053	2321433.792	85°16'36.40320"	20°59'05.39412"	111	320599.381	2321092.331	85°16'27.18444"	20°58'54.19668"
54	320755.632	2321494.031	85°16'33.82860"	20°59'07.32624"	112	320586.909	2321110.087	85°16'26.74632"	20°58'54.76872"
55	320778.169	2321505.11	85°16'33.11616"	20°59'07.67904"	113	320580.785	2321128.671	85°16'26.53416"	20°58'55.27416"
56	320780.733	2321520.278	85°16'33.20376"	20°59'08.46672"	114	320578.496	2321133.898	85°16'26.45292"	20°58'55.53804"
57	320977.846	2321191.187	85°16'40.24992"	20°58'57.54324"	115	320569.708	2321187.648	85°16'26.12172"	20°58'57.28812"
58	320992.884	2321216.524	85°16'40.76040"	20°58'58.43748"	116	320543.162	2321217.811	85°16'25.19148"	20°58'58.25676"

FOREST AREA STATISTICS

SL NO	VILLAGE	PLOT_NO	KISSAM	ALLO_AR_AC	ALLO_AR_HA	MAP_AR_HA
1	KULEI	4083	JUNGLE	0.77	0.3116	0.308
2	KULEI	4086	JUNGLE-II	4.88	1.9749	1.965
3	KULEI	4095	JUNGLE-II	0.51	0.2064	0.224
4	KULEI	4098	JUNGLE-II	2.2	0.8903	0.907
5	KULEI	4118	JUNGLE	0.53	0.2145	0.215
6	KULEI	4073	JUNGLE	0.25	0.1012	0.105
7	KULEI	4431	JUNGLE	0.12	0.0486	0.043
8	KULEI	4049	JUNGLE	3.68	1.4892	1.542
9	KULEI	4055	JUNGLE-II	15.5	6.2726	6.455
10	KULEI	4072	JUNGLE	0.85	0.344	0.360
	TOTAL			29.29	11.8533	12.124

ORISSA SPACE APPLICATIONS CENTRE BHUBANESWAR
Map No. EDC 688
Date 19/12/2020
Auth. Signatory

SURVEYED & PREPARED BY

M/S INOVADORS LAB PVT. LTD.
BHUBANESWAR

INNOVADORS LAB PVT. LTD. BHUBANESWAR

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