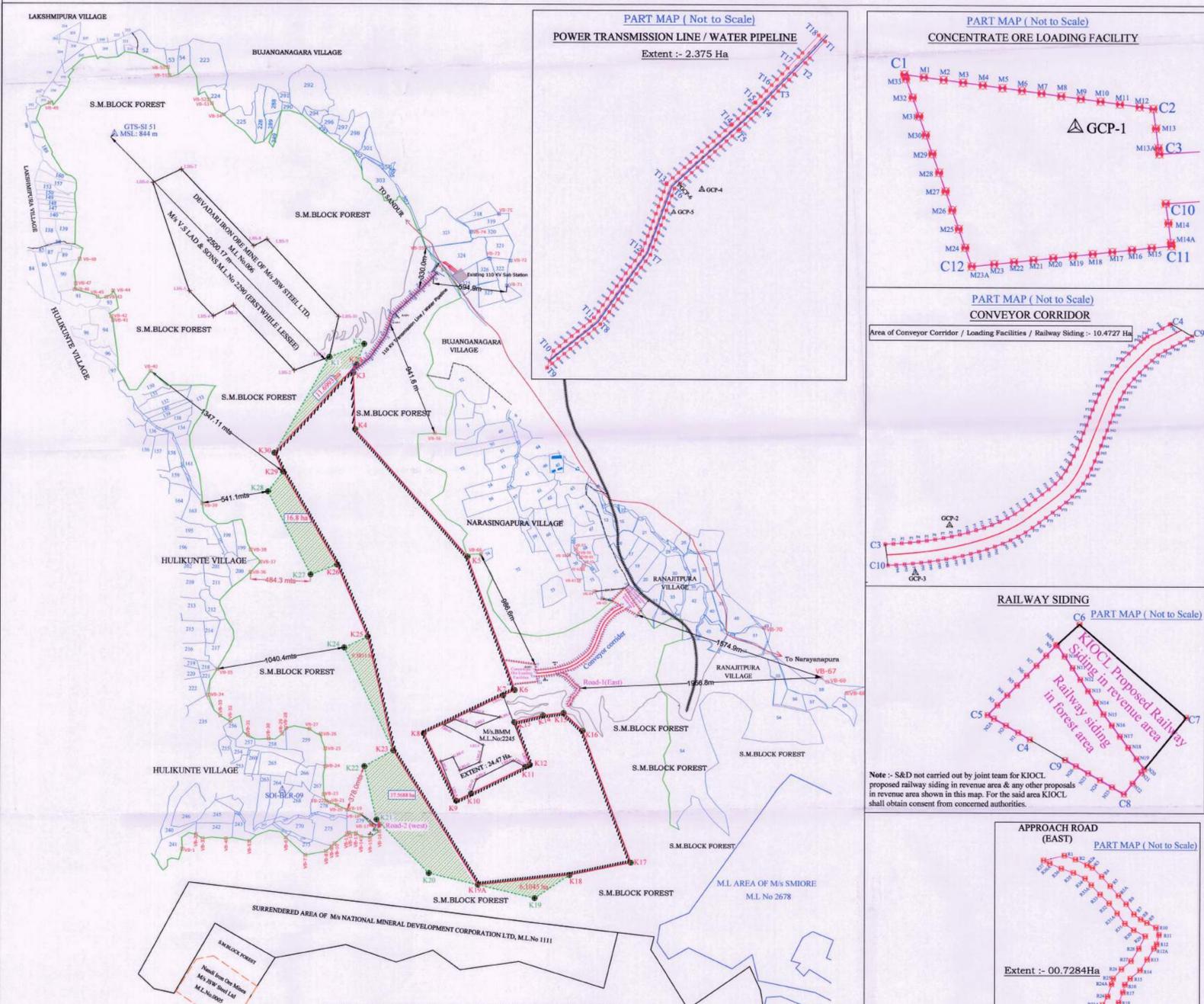


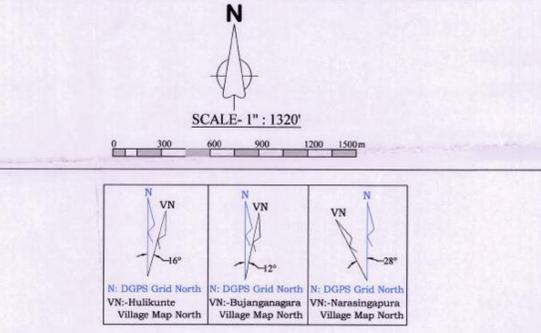
DGPS SURVEY MAP SHOWING THE PROPOSED AREA FOR DIVERSION OF FOREST LAND AT DEVADARI IRON ORE MINE FOR M/s KIOCL LIMITED (A GOVT INDIA ENTERPRISE) OVER AN EXTENT OF 388.00 Ha. FOR MINING LEASE AND 13.5761 Ha. FOR CONVEYOR CORRIDOR, RAILWAY SIDING, APPROACH ROAD & POWER TRANSMISSION LINE/WATER PIPE LINE, AT SWAMIMALAI BLOCK FOREST, SANDUR SOUTH RANGE, SANDUR TALUK, BALLARI DISTRICT, KARNATAKA STATE

NOTE: BASE STATION FOR DGPS SURVEY:- SOI BLR 09 - LOCATED AT NANDHALLI VILLAGE



NOTE: BASE STATION FOR DGPS SURVEY:- SOI BLR 09 - LOCATED AT NANDHALLI VILLAGE

DGPS COORDINATES OF CONCENTRATE ORE LOADING FACILITIES						DGPS COORDINATES OF CONVEYOR BELT						DGPS COORDINATES OF POWER TRANSMISSION LINE						DGPS COORDINATES OF APPROACH ROAD (EAST)						DGPS COORDINATES OF VILLAGES/FOREST BOUNDARY POINTS					
S.No	POINT ID	Latitude	Longitude	Northing	Easting	S.No	POINT ID	Latitude	Longitude	Northing	Easting	S.No	POINT ID	Latitude	Longitude	Northing	Easting	S.No	POINT ID	Latitude	Longitude	Northing	Easting	S.No	POINT ID	Latitude	Longitude	Northing	Easting
1	C1	15°02'24.9480"	76°35'38.6961"	1663033.408	673362.875	1	P1	15°02'17.0244"	76°35'47.9383"	1663035.408	673362.875	1	P1	15°02'17.0244"	76°35'47.9383"	1663035.408	673362.875	1	V1	15°02'18.1509"	76°35'42.3124"	1663229.816	671773.836	1	V1	15°02'18.1509"	76°35'42.3124"	1663229.816	671773.836



BOUNDARIES :-
 NORTH : M.L.AREA OF M/s JSW STEEL LTD.(M/s V.S LAD & SONS M.L.No 2290) & SWAMIMALAI BLOCK FOREST AREA
 SOUTH : SWAMIMALAI BLOCK FOREST AREA
 EAST : M.L.AREA OF M/s BMM M.L.No.2245 & SWAMIMALAI BLOCK FOREST AREA
 WEST : SWAMIMALAI BLOCK FOREST AREA

DETAILS OF NOTIFIED AREA OF M/s KIOCL LIMITED		EXTENT
NOTIFIED AREA OF M/s KIOCL LIMITED AS PER Gazette Notification No.C294MM/2015 DATED 23.01.2017		470.40 Ha.
SURVEY & DEMARCATION AREA OF M/s KIOCL LTD AS PER Gazette Notification No.C294MM/2015 DATED 23.01.2017		388.00 Ha.

- INDEX**
- PROPOSED AREA FOR FOREST DIVERSION OF M/s KIOCL LIMITED
 - CORNER POINTS OF M/s KIOCL LIMITED
 - SURVEY OF INDIA GTS POINT
 - REVENUE / FOREST REFERENCE POINTS
 - ADJACENT MINING LEASES AS PER CEC
 - EXISTING APPROACH ROAD
 - EXISTING MAIN ROAD
 - REVENUE / FOREST BOUNDARY
 - SY.NO.BOUNDARY
 - PROPOSED POWER TRANSMISSION LINE BY DGPS
 - PROPOSED CONVEYOR CORRIDOR BY DGPS
 - PROPOSED SERVICE ROADS BY DGPS
 - PROPOSED CONCENTRATE ORE LOADING FACILITY BY DGPS
 - EXISTING RAILWAY TRACK
 - AREA PROPOSED FOR REDUCTION

COMPONENT WISE DETAILS OF PROPOSED FOREST AREA FOR DIVERSION

Sino	Components	Area in Ha.
1	Notified Mining Lease Area	470.4000
2	Conveyor Corridor / Loading Facility / Railway Siding	10.4727
3	Power Transmission Line	02.3750
4	Approach Road (West)	00.0972
5	Approach Road (East)	00.7284
Total Extent		484.0733

REVISED COMPONENT WISE DETAILS OF PROPOSED FOREST AREA FOR DIVERSION

Sino	Components	Area in Ha.
1	Modification in Notified ML area	388.0000
2	Conveyor Corridor / Loading Facilities / Railway Siding	10.4727
3	Power Transmission Line	02.3750
4	Approach Road (West)	00.0000
5	Approach Road (East)	00.7284
Total Extent		401.5761

Net Extent Reduction in Proposed Modified Forest Clearance = 82.4972 ha

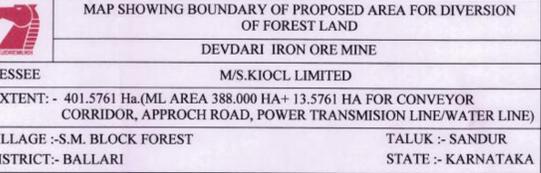
DGPS CO-ORDINATES OF GROUND CONTROL POINTS

Point ID	Latitude	Longitude	Northing	Easting	Elevation
GCP-1	15°02'18.81509"	76°35'44.43108"	1663210.768	671535.551	716.932
GCP-2	15°02'19.37867"	76°35'52.41324"	1663229.816	671773.836	728.304
GCP-3	15°02'15.72722"	76°35'49.67834"	1663116.999	671692.962	744.295
GCP-4	15°03'50.98145"	76°35'11.61203"	1666036.33	670534.942	628.347
GCP-5	15°03'49.11508"	76°35'09.18211"	1665978.447	670462.787	642.467
GCP-6	15°03'51.36506"	76°35'09.64994"	1666047.698	670476.261	638.836
GCP-7	15°01'36.41103"	76°35'03.24066"	1661898.67	670314.631	677.766
GCP-8	15°01'35.46003"	76°35'02.26000"	1661869.232	670285.548	674.84

JOINT SURVEY CO-ORDINATES OF M/s KIOCL LIMITED OVER AN EXTENT OF 470.40 Ha IN DEVADARI RANGE, SWAMIMALAI BLOCK FOREST, SANDUR TALUK, BALLARI DISTRICT.

DGPS INSTRUMENTS: TRIMBLE R6, R8 & R10 DATE OF SURVEY: 11-04-2018 TO 28-04-2018

Point ID	TOTAL STATION READINGS	DGPS COORDINATES, Datum: WGS 84/Projection: UTM_ZONE_43P_NORTH				
Point ID	X	Y	Latitude	Longitude	Northing	Easting
SOI-BLR 09 BASE STATION	---	---	15°01'46.937"	76°34'38.497"	1662126.896	66973.228
GTS-SI 51 (MSL: 844)	---	---	15°02'18.81509"	76°35'44.43108"	1663210.768	671535.551
K-1 (BS-Q) (VSL:BSW)	4027.80	6544.399	15°03'40.267"	76°35'01.15998"	1665702.768	66945.638
K-2	4317.353	6612.994	15°03'40.267"	76°35'01.15998"	1665702.768	66945.638
K-2A	---	---	15°03'40.267"	76°35'01.15998"	1665702.768	66945.638
K-3	4201.321	6394.620	15°03'36.08888"	76°35'08.16315"	1665575.736	670136.588
K-4	4161.814	5943.316	15°02'21.35242"	76°35'48.61061"	1665122.925	670153.200
K-5	4939.450	4809.548	15°02'47.70741"	76°35'28.92930"	1666495.390	671406.143
K-6	5184.641	3698.763	15°02'12.75765"	76°35'41.46955"	1666303.960	671448.441
K-7 (BS-Q) (BMM)	5086.762	3667.895	15°02'13.90017"	76°35'38.33528"	1666281.254	671355.130
K-8	4413.591	3443.444	15°02'01.54121"	76°35'16.85106"	1666376.994	670715.613
K-9 (BS-Q) (BMM)	4699.483	2872.209	15°01'45.86657"	76°35'29.67496"	1662131.997	670981.567
K-10 (BS-Q) (BMM)	4734.274	2914.062	15°01'45.86657"	76°35'29.67496"	1662131.997	67102.155
K-11 (BS-Q) (BMM)	5196.024	3074.799	15°01'52.64912"	76°35'44.32019"	1662406.419	671102.155
K-12 (BS-Q) (BMM)	5234.214	3086.296	15°01'53.16930"	76°35'45.54410"	1662422.812	671549.409
K-13	5149.652	3442.429	15°02'04.34444"	76°35'41.31800"	1662765.356	671448.441
K-14	5388.381	3470.141	15°02'06.15444"	76°35'49.14609"	1662822.706	671679.193
K-15	5556.107	3469.027	15°02'06.76399"	76°35'54.72438"	1662842.614	671845.678
K-16	5991.088	3305.935	15°02'02.01519"	76°35'59.83396"	1662997.774	671999.942
K-17	5947.592	2201.280	15°01'27.30734"	76°36'12.74819"	1663183.836	672392.819
K-18	5443.435	2164.266	15°01'24.15083"	76°35'56.14312"	1663133.249	671897.528
K-19	5140.847	2015.140	15°01'18.17087"	76°35'46.67800"	1663147.418	671616.159
K-19A	---	---	15°01'21.71007"	76°35'43.32921"	1663154.874	671574.431
K-20	4316.002	2317.174	15°01'24.74811"	76°35'18.06499"	1663154.224	670759.964
K-21	3947.770	2798.741	15°01'38.91556"	76°35'03.91779"	1663175.789	670334.304
K-22	3903.864	3240.205	15°01'35.08821"	76°35'06.71239"	1663188.223	670233.513
K-23	4152.255	3336.576	15°01'57.08111"	76°35'08.58877"	1663235.086	670489.815
K-24	3860.292	4207.127	15°02'34.06562"	76°34'55.42785"	1663261.002	670070.750
K-25	4058.821	4272.226	15°02'26.92721"	76°35'01.76893"	1663450.908	670259.536
K-26	3884.941	4877.011	15°02'45.80071"	76°34'53.61483"	1663490.216	670011.837
K-27	3661.899	4825.499	15°02'43.28769"	76°34'46.40294"	1663590.638	669954.994
K-28	3402.216	5529.116	15°03'05.02503"	76°34'53.00911"	1663614.731	669741.739
K-29	3541.492	5870.109	15°03'10.11033"	76°34'59.08232"	1664773.224	669527.457
K-30	3491.494	5834.370	15°03'15.22147"	76°34'56.77588"	1664928.826	669542.426

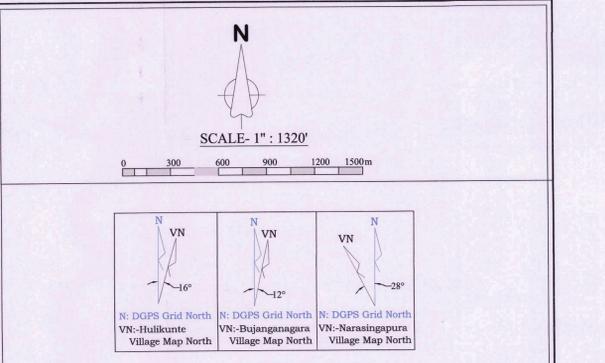
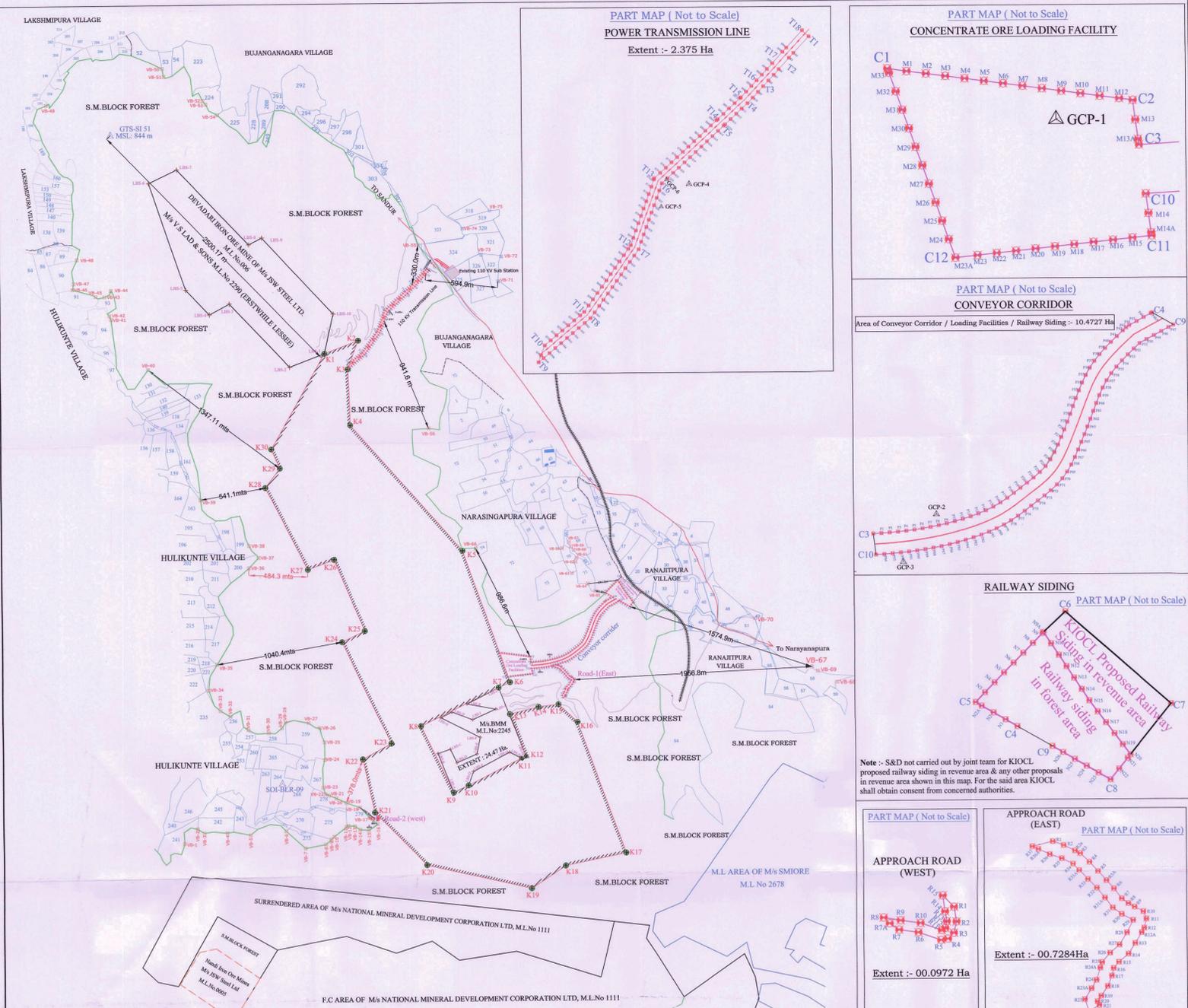


LESSEE: M/s KIOCL LIMITED

EXTENT :- 401.5761 Ha (ML AREA 388.00 HA + 13.5761 HA FOR CONVEYOR CORRIDOR, APPROACH ROAD, POWER TRANSMISSION LINE/WATER LINE)

VILLAGE :- S.M. BLOCK FOREST TALUK :- SANDUR DISTRICT :- BALLARI STATE :- KARNATAKA

MAP SHOWING THE PROPOSED AREA FOR DIVERSION OF FOREST LAND AT DEVADARI IRON ORE MINE FOR M/s KIOCL LIMITED (A GOVT INDIA ENTERPRISE) OVER AN EXTENT OF 470.40 Ha. FOR MINING LEASE AND 13.6733 Ha FOR CONVEYOR CORRIDOR, RAILWAY SIDING, APPROCH ROAD & POWER TRANSMISSION LINE ,AT SWAMIMALAI BLOCK FOREST, SANDUR SOUTH RANGE, SANDUR TALUK , BALLARI DISTRICT, KARNATAKA STATE



BOUNDARIES :-
 NORTH :- M.L. AREA OF M/s JSW STEEL LTD.(M/s V.S LAD & SONS M.L.No 2290) & SWAMIMALAI BLOCK FOREST AREA
 SOUTH :- SWAMIMALAI BLOCK FOREST AREA
 EAST :- M.L. AREA OF M/s.B.M.M.L.No.2245 & SWAMIMALAI BLOCK FOREST AREA
 WEST :- SWAMIMALAI BLOCK FOREST AREA

DETAILS OF NOTIFIED AREA OF M/s KIOCL LIMITED	EXTENT
NOTIFIED AREA OF M/s KIOCL LIMITED AS PER GAZETTE NOTIFICATION No.C229/MMM 2015 DATED 28.01.2017	470.40 Ha.
SURVEY & DEMARCATION AREA OF M/s KIOCL LTD AS PER GAZETTE NOTIFICATION No.C229/MMM 2015 DATED 28.01.2017	470.40 Ha.

- INDEX**
- NOTIFIED AREA OF M/s KIOCL LIMITED
 - CORNER POINTS OF M/s KIOCL LIMITED
 - SURVEY OF INDIA GTS POINT
 - REVENUE / FOREST REFERENCE POINTS
 - ▭ ADJACENT MINING LEASES AS PER CEC
 - ▭ EXISTING APPROACH ROAD
 - ▭ EXISTING MAIN ROAD
 - ▭ REVENUE / FOREST BOUNDARY
 - ▭ SY.NO.BOUNDARY
 - ▭ PROPOSED POWER TRANSMISSION LINE BY DGPS
 - ▭ PROPOSED CONVEYOR CORRIDOR BY DGPS
 - ▭ PROPOSED SERVICE ROADS BY DGPS
 - ▭ PROPOSED CONCENTRATE ORE LOADING FACILITY BY DGPS
 - ▭ EXISTING RAILWAY TRACK

COMPONENT WISE DETAILS OF PROPOSED FOREST AREA FOR DIVERSION

S/No	Components	Area in Ha.
1	Notified Mining Lease Area	470.4000
2	Conveyor Corridor / Loading Facilities / Railway Siding	10.4727
3	Power Transmission Line	02.3750
4	Approach Road (West)	00.0972
5	Approach Road (East)	00.7284
Total Extent		484.0733

JOINT SURVEY CO-ORDINATES OF M/s KIOCL LIMITED OVER AN EXTENT OF 470.40 Ha IN DEVADARI RANGE, SWAMIMALAI BLOCK FOREST, SANDUR TALUK, BALLARI DISTRICT.

DGPS INSTRUMENTS: TRIMBLE R6, R8 & R10 DATE OF SURVEY :- 11-04-2018 TO 28-04-2018

Point ID	TOTAL STATION READINGS	DGPS COORDINATES, Datum: WGS 84, Projection: UTM_ZONE_43P North	Latitude	Longitude	Northing	Easting
SOI-BLR 09/BA/STATION	-----	15°02'46.937"	76°34'38.497"	166216.896	669573.228	
GTS-SI 51 (M.S.L. 844)	-----	15°04'38.9317"	76°34'51.800"	166216.896	669573.228	
K-1/LBS-1 (VSL/JSW)	4027.850	15°03'40.267"	76°34'51.800"	1665702.768	669945.638	
K-2	4317.353	15°03'43.5777"	76°35'01.1598"	1665806.848	670224.313	
K-3	4012.321	15°03'36.0886"	76°34'58.1615"	1665755.736	670136.588	
K-4	4161.814	15°03'31.3524"	76°34'58.1616"	1665122.925	670133.203	
K-5	4939.450	15°02'47.7074"	76°35'28.9290"	166495.399	671066.143	
K-6	5184.641	15°02'12.7576"	76°35'41.4695"	1663023.960	671448.441	
K-7/LBS-1 (BMM)	5086.762	15°02'13.9010"	76°35'38.3352"	1662981.254	671335.130	
K-8	4441.591	15°02'01.5431"	76°35'16.8510"	1662673.994	670715.613	
K-9/LBS-A (BMM)	4609.483	15°02'04.8657"	76°35'25.6241"	1662131.567	670981.567	
K-10/LBS-Q (BMM)	4736.274	15°02'04.8657"	76°35'25.6241"	1662131.567	670981.567	
K-11/LBS-N (BMM)	5196.024	15°02'04.8657"	76°35'25.6241"	1662131.567	670981.567	
K-12/LBS-M (BMM)	5234.214	15°02'04.8657"	76°35'25.6241"	1662131.567	670981.567	
K-13	5149.652	15°02'04.8657"	76°35'25.6241"	1662131.567	670981.567	
K-14	5588.381	15°02'04.8657"	76°35'25.6241"	1662131.567	670981.567	
K-15	5356.107	15°02'06.7639"	76°35'54.7245"	166284.614	67185.678	
K-16	5691.088	15°02'02.0151"	76°35'59.8536"	1662697.774	671999.942	
K-17	5947.520	15°02'12.7034"	76°35'12.7481"	1661633.856	672392.818	
K-18	5443.345	15°02'14.1807"	76°35'56.1431"	1661342.401	671897.528	
K-19	5104.847	15°02'15.1708"	76°35'54.7245"	1661347.418	671616.159	
K-20	4316.002	15°02'17.4741"	76°35'18.0649"	1661544.224	670759.969	
K-21	3947.770	15°02'18.9155"	76°35'03.9179"	1661575.729	670343.304	
K-22	3903.864	15°02'20.3205"	76°35'00.9179"	1662048.223	670235.513	
K-23	4152.255	15°02'21.0511"	76°35'08.5877"	1662535.086	670489.815	
K-24	3860.292	15°02'24.0562"	76°35'54.4270"	1663161.602	670070.750	
K-25	4058.421	15°02'26.9271"	76°35'01.7693"	1663454.908	670259.536	
K-26	3884.941	15°02'28.8071"	76°35'43.6183"	1664029.216	67001.837	
K-27	3661.899	15°02'32.2879"	76°35'46.4029"	1663950.944	669796.994	
K-28	3402.216	15°02'35.0250"	76°35'43.0094"	1664167.073	669541.739	
K-29	3541.492	15°02'37.1103"	76°34'59.8232"	1664773.234	669572.457	
K-30	3491.494	15°02'38.7758"	76°34'56.7758"	1664929.826	669502.426	

DGPS COORDINATES OF CONCENTRATE ORE LOADING FACILITIES

S/No	Point ID	Latitude	Longitude	Northing	Easting	Elevation
1	C1	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
2	C2	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
3	C3	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
4	C4	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
5	C5	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
6	C6	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
7	C7	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
8	C8	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
9	C9	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
10	C10	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
11	C11	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
12	C12	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
13	C13	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
14	C14	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
15	C15	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
16	C16	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
17	C17	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
18	C18	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
19	C19	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
20	C20	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
21	C21	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
22	C22	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
23	C23	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
24	C24	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
25	C25	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
26	C26	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
27	C27	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
28	C28	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
29	C29	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
30	C30	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
31	C31	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
32	C32	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
33	C33	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
34	C34	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
35	C35	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
36	C36	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
37	C37	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
38	C38	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
39	C39	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
40	C40	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304

DGPS COORDINATES OF CONVEYOR BELT

S/No	Point ID	Latitude	Longitude	Northing	Easting	Elevation
1	K1	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
2	K2	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
3	K3	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
4	K4	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
5	K5	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
6	K6	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
7	K7	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
8	K8	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
9	K9	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
10	K10	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
11	K11	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
12	K12	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
13	K13	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
14	K14	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
15	K15	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
16	K16	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
17	K17	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
18	K18	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
19	K19	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
20	K20	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
21	K21	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
22	K22	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
23	K23	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
24	K24	15°02'18.5109"	76°35'44.4310"	1663220.768	67173.836	728.304
25	K25	15°02'18.5109"	76°35'44.4310"</			