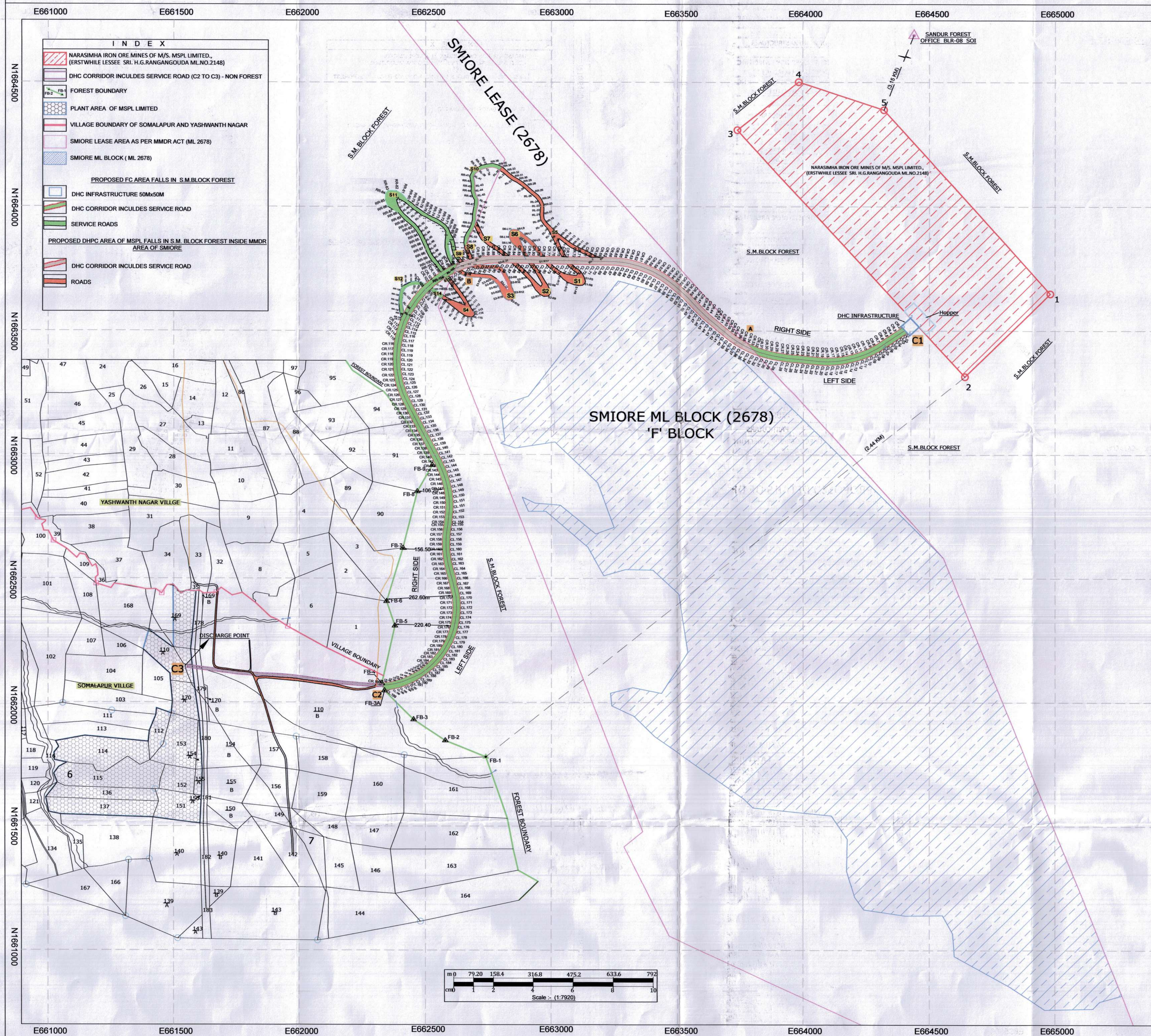


JOINT DGPS SURVEY MAP SHOWING THE PROPOSED DOWNHILL PIPE CONVEYOR SYSTEM INCLUDES DHPC INFRASTRUCTURES, APPROACH ROAD, SERVICE ROAD, POWER TRANSMISSION LINES, WATER LINE, FIRE HYDRANT LINE AREA FROM NARASIMHA IRON ORE MINES OF M/S. MSPL LIMITED., (ERSTWHILE LESSEE SRI. H.G.RANGANGOUDA ML.NO.2148) TO BENEFICATION PLANT AREA OF M/S. MSPL LIMITED, OVER AN EXTENT OF 19.170 HA IN SM BLOCK FOREST, SANDUR SOUTH RANGE, SANDUR TALUK, BALLARI DIVISION, BALLARI DISTRICT KARNATAKA STATE



Scale :- 1 : 7920



PROPOSED DHPC AREA OF MSPL FALLS IN S.M. BLOCK FOREST AREA			
PARTICULARS	LENGTH(m)	WIDTH(m)	AREA(Ha)
DHPC INFRASTRUCTURES	50.00	50.00	0.250
SUB TOTAL			0.250
DHPC CORRIDOR, WHICH INCLUDES APPROACH ROAD (C1 TO A)	640.00	30.00	1.920
DHPC CORRIDOR, WHICH INCLUDES APPROACH ROAD (B TO C2)	1990.00	30.00	5.970
SUB TOTAL			7.890
SERVICE ROADS	AVERAGE LENGTH (m)	AVERAGE WIDTH (m)	AREA(Ha)
ROAD - S10	440.00	15.00	0.660
ROAD - S11	1060.00	15.00	1.590
ROAD - S12	200.00	15.00	0.300
ROAD - S13	20.00	15.00	0.030
ROAD - S14	60.00	15.00	0.090
SUB TOTAL			2.670
TOTAL			10.810

PROPOSED DHPC AREA OF MSPL FALLS IN S.M. BLOCK FOREST INSIDE MMDR AREA OF SMIOR			
PARTICULAR	LENGTH(m)	WIDTH(m)	AREA(Ha)
DHPC CORRIDOR, WHICH INCLUDES APPROACH ROAD (A TO B)	1310.00	30.00	3.930
SUB TOTAL			3.930
SERVICE ROADS	AVERAGE LENGTH (m)	AVERAGE WIDTH (m)	AREA(Ha)
ROAD - S1	353.33	15.00	0.530
ROAD - S2	380.00	15.00	0.570
ROAD - S4	546.67	15.00	0.820
ROAD - S5	386.67	15.00	0.580
ROAD - S6	660.00	15.00	0.990
ROAD - S7	373.33	15.00	0.560
ROAD - S8	180.00	15.00	0.270
ROAD - S9	62.00	15.00	0.093
ROAD - S9	11.00	15.00	0.017
SUB TOTAL			4.430
TOTAL			8.360

PROPOSED DHPC AREA OF MSPL FALLS IN NON FOREST AREA			
PARTICULARS	LENGTH(m)	WIDTH(m)	AREA(Ha)
DHPC CORRIDOR, WHICH INCLUDES APPROACH ROAD (C2 TO C3)	780.00	10.00	0.780
TOTAL			0.780

PROPOSED DETAILS OF DHPC AREA FALLS IN S.M.BLOCK FOREST

PARTICULARS	S.M.BLOCK FOREST	SMIOR MMDR LEASE AREA	TOTAL
DHPC CORRIDOR, WHICH INCLUDES APPROACH ROAD	7.890	3.930	11.820
DHPC INFRASTRUCTURES	0.250	0.000	0.250
SERVICE ROADS	2.670	4.430	7.100
TOTAL	10.810	8.360	19.170

DGPS CO-ORDINATES OF NARASIMHA IRON ORE MINES OF M/S. MSPL LIMITED, (ERSTWHILE LESSEE SRI. H.G.RANGANGOUDA ML.NO.2148)

SL. NO.	POINT ID	GEOGRAPHIC CO-ORDINATES		UTM CO-ORDINATES	
		LATITUDE	LONGITUDE	EASTING	NORTHING
1	LBC-1	N15° 02' 34.56274"	E76° 32' 05.06362"	664980.222	1663648.290
2	LBC-2	N15° 02' 23.77176"	E76° 31' 53.59217"	664639.909	1663314.269
3	LBC-3	N15° 02' 56.30705"	E76° 31' 23.70140"	663740.260	1664308.000
4	LBC-4	N15° 02' 02.51540"	E76° 31' 31.88420"	663983.328	1664500.490
5	LBC-5	N15° 02' 58.28238"	E76° 31' 43.12497"	664319.833	1664388.087

DGPS CO-ORDINATES OF FOREST BOUNDARY

DATUM: WGS-84 PROJECTION: UTM Zones 43N

POINT NAME	LATITUDE	LONGITUDE	EASTING	NORTHING
FB-1	N15°01'34.29267"	E76°30'49.64015"	662740.289	1661780.459
FB-2	N15°01'36.44097"	E76°30'44.25779"	662579.073	1661845.381
FB-3	N15°01'39.22686"	E76°30'40.05447"	662452.940	1661930.140
FB-3A	N15°01'43.05448"	E76°30'36.17582"	662336.287	1662046.982
FB-4	N15°01'43.99995"	E76°30'35.83705"	662325.970	1662075.970
FB-5	N15°01'51.55088"	E76°30'37.64950"	662378.518	1662308.401
FB-6	N15°01'54.76709"	E76°30'36.54509"	662344.856	1662407.019
FB-7	N15°02'01.74821"	E76°30'38.78801"	662410.379	1662622.027
FB-8	N15°02'09.16675"	E76°30'40.75609"	662467.600	1662850.422
FB-9	N15°02'12.62122"	E76°30'42.78399"	662527.441	1662957.002

DGPS CO-ORDINATES OF REFERENCE POINT

DATUM: WGS-84 PROJECTION: UTM Zones 43N

POINT NAME	LATITUDE	LONGITUDE	EASTING	NORTHING
SANDUR FOREST OFFICE BLR-08 SOI	N15°04'34.09785"	E76°32'22.45997"	665474.135	1667325.614

DGPS CO-ORDINATES OF DHPC INFRASTRUCTURE 50m x 50m

NARASIMHA IRON ORE MINES OF M/S. MSPL LIMITED (ERSTWHILE LESSEE SRI. H.G.RANGANGOUDA ML.NO.2148)

SL. NO.	POINT ID	GEOGRAPHIC CO-ORDINATES		UTM CO-ORDINATES	
		LATITUDE	LONGITUDE	EASTING	NORTHING
1	1	N15°02'30.37504"	E76°31'47.56837"	664458.590	1663515.961
2	2	N15°02'31.56013"	E76°31'46.45098"	664424.965	1663552.151
3	3	N15°02'30.47517"	E76°31'45.20354"	664387.939	1663518.549
4	4	N15°02'29.69992"	E76°31'46.32800"	664421.780	1663481.741

CERTIFICATE

THIS IS TO CERTIFY THAT ALL THE POINTS ARE SURVEYED AND DEMARCATED BY USING DIFFERENTIAL GLOBAL POSITIONING SYSTEM INSTRUMENT BY OUR TEAM IN PRESENCE OF REVENUE, FOREST, DMG OFFICIALS AND IN PRESENCE OF REPRESENTATIVES OF M/S. MSPL LIMITED

For MSPL LIMITED
S. MURALI KRISHNAN
MINES SURVEYOR

For MSPL LIMITED
K. Madhusudhan
Vice President Mines and CG

For Sandur South Range
RANGE FOREST OFFICER
Sandur South Range

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RANGE FOREST OFFICER
Sandur South Range



SAI UNIVERSAL MINING SERVICES
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