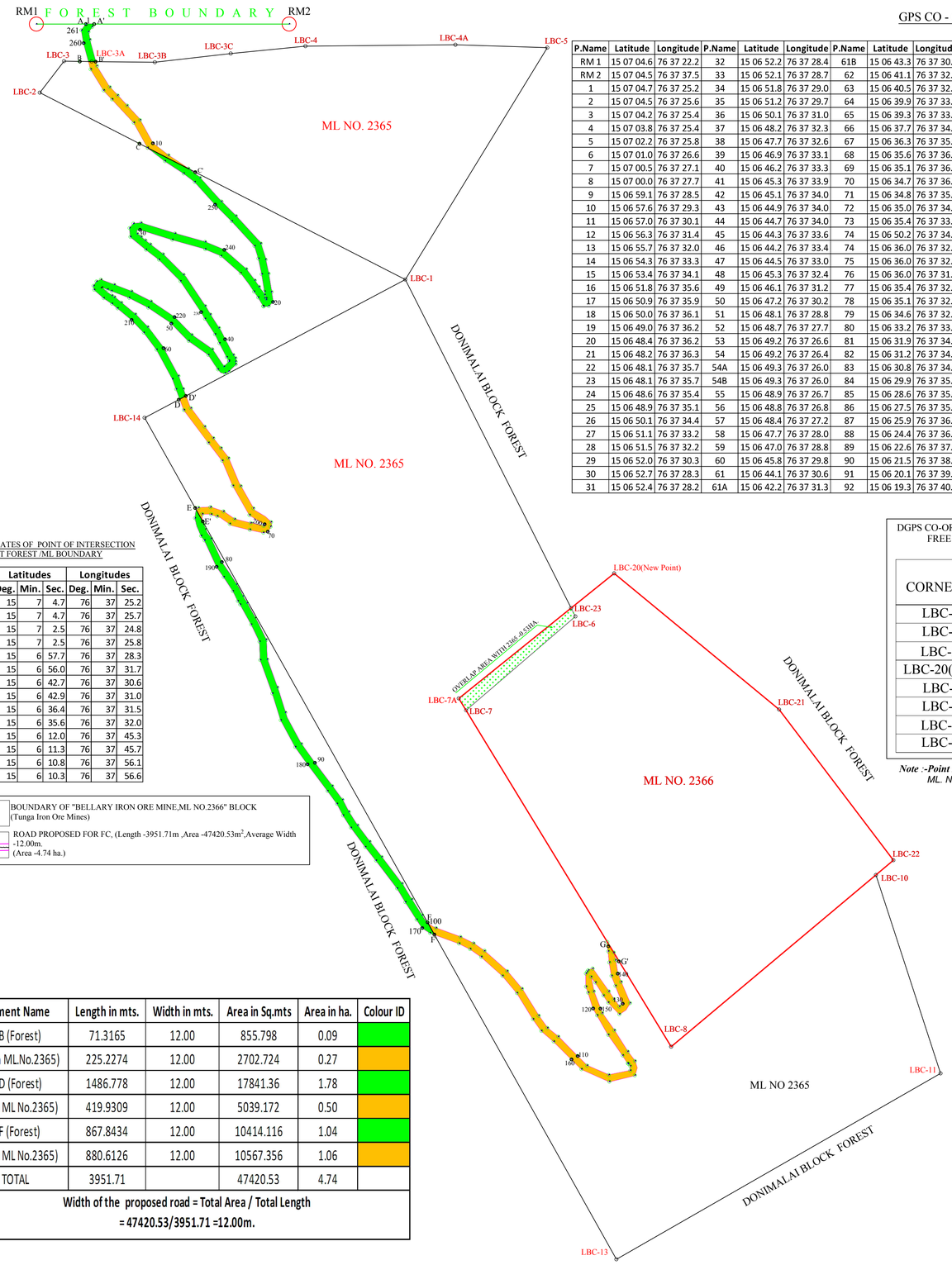
MAP SHOWING THE PROPOSED APPROACH ROAD (ALREADY IN EXISTING) WITH GPS READINGS OF AS SURVEYED BY THE JOINT SURVEY TEAM (DEPT. OF FOREST, REVENUE AND DMG) FOR TOTAL EXTENT 4.74 HA. FOR "BELLARY IRON ORE MINES (TUNGA IRON ORE MINES) , ML NO.2366" BLOCK IN DONIMALAI BLOCK FOREST ,SANDUR

N

SCALE - 1:4000 RF
OR
1Cm=40M.



GPS CO - ORDINATES OF PROPOSED ROAD,MAP DATUM -WGS-84

P.Name	Latitude	Longitude	P.Name	Latitude	Longitude	P.Name	Latitude	Longitude	P.Name	Latitude	Longitude	P.Name	Latitude	Longitude	P.Name	Latitude	Longitude	P.Name	Latitude	Longitude	P.Name	Latitude	Longitude
RM 1	15 07 04.6	76 37 22.2	32	15 06 52.2	76 37 28.4	61B	15 06 43.3	76 37 30.8	93	15 06 18.5	76 37 40.6	126	15 06 09.3	76 37 55.3	164	15 06 07.9	76 37 50.7	196	15 06 36.2	76 37 33.3	228	15 06 46.5	76 37 32.8
RM 2	15 07 04.5	76 37 37.5	33	15 06 52.1	76 37 28.7	62	15 06 41.1	76 37 32.1	94	15 06 17.8	76 37 41.2	127	15 06 07.9	76 37 56.2	165	15 06 08.9	76 37 49.8	197	15 06 35.7	76 37 33.9	229	15 06 47.4	76 37 32.2
1	15 07 04.7	76 37 25.2	34	15 06 51.8	76 37 29.0	63	15 06 40.5	76 37 32.7	95	15 06 16.8	76 37 41.9	128	15 06 07.5	76 37 56.5	166	15 06 10.0	76 37 48.6	198	15 06 35.5	76 37 34.9	230	15 06 47.8	76 37 32.0
2	15 07 04.5	76 37 25.6	35	15 06 51.2	76 37 29.7	64	15 06 39.9	76 37 33.2	96	15 06 15.9	76 37 42.6	129	15 06 07.1	76 37 56.8	167	15 06 10.5	76 37 47.9	199	15 06 35.3	76 37 35.7	231	15 06 49.6	76 37 30.7
3	15 07 04.2	76 37 25.4	36	15 06 50.1	76 37 31.0	65	15 06 39.3	76 37 33.6	97	15 06 14.4	76 37 43.9	130	15 06 07.2	76 37 57.0	168	15 06 10.8	76 37 47.2	200	15 06 35.4	76 37 35.7	232	15 06 50.9	76 37 29.5
4	15 07 03.8	76 37 25.4	37	15 06 48.2	76 37 32.3	66	15 06 37.7	76 37 34.4	98	15 06 13.4	76 37 44.4	131	15 06 08.3	76 37 56.6	169	15 06 11.4	76 37 45.5	201	15 06 35.8	76 37 34.7	233	15 06 51.5	76 37 28.7
5	15 07 02.2	76 37 25.8	38	15 06 47.7	76 37 32.6	67	15 06 36.3	76 37 35.0	99	15 06 12.5	76 37 45.0	132	15 06 08.9	76 37 56.4	170	15 06 11.7	76 37 45.0	202	15 06 37.7	76 37 33.8	234	15 06 52.2	76 37 27.8
6	15 07 01.0	76 37 26.6	39	15 06 46.9	76 37 33.1	68	15 06 35.6	76 37 36.2	100	15 06 12.0	76 37 45.3	133	15 06 09.6	76 37 56.2	171	15 06 12.2	76 37 44.7	203	15 06 39.1	76 37 33.2	235	15 06 52.8	76 37 27.5
7	15 07 00.5	76 37 27.1	40	15 06 46.2	76 37 33.3	69	15 06 35.1	76 37 36.4	101	15 06 11.8	76 37 45.7	134	15 06 10.3	76 37 56.2	172	15 06 13.2	76 37 44.0	204	15 06 40.1	76 37 32.3	236	15 06 53.1	76 37 27.9
8	15 07 00.0	76 37 27.7	41	15 06 45.3	76 37 33.9	70	15 06 34.7	76 37 36.1	102	15 06 11.2	76 37 47.4	138	15 06 10.3	76 37 56.6	173	15 06 14.0	76 37 43.5	205	15 06 42.1	76 37 30.9	237	15 06 53.1	76 37 28.4
9	15 06 59.1	76 37 28.5	42	15 06 45.1	76 37 34.0	71	15 06 34.8	76 37 35.6	103	15 06 10.9	76 37 48.1	139	15 06 09.8	76 37 56.6	174	15 06 15.7	76 37 42.2	206	15 06 43.4	76 37 30.5	238	15 06 52.4	76 37 30.5
10	15 06 57.6	76 37 29.3	43	15 06 44.9	76 37 34.0	72	15 06 35.0	76 37 34.8	104	15 06 10.4	76 37 48.8	140	15 06 09.0	76 37 56.7	175	15 06 16.5	76 37 41.6	207	15 06 44.0	76 37 30.4	239	15 06 52.0	76 37 32.3
11	15 06 57.0	76 37 30.1	44	15 06 44.7	76 37 34.0	73	15 06 35.4	76 37 33.6	105	15 06 09.2	76 37 50.1	141	15 06 08.5	76 37 56.9	176	15 06 17.6	76 37 40.8	208	15 06 45.6	76 37 29.3	240	15 06 51.5	76 37 33.4
12	15 06 56.3	76 37 31.4	45	15 06 44.3	76 37 33.6	74	15 06 50.2	76 37 34.4	106	15 06 08.1	76 37 50.9	142	15 06 07.3	76 37 57.5	177	15 06 18.4	76 37 40.3	209	15 06 46.6	76 37 28.5	241	15 06 50.3	76 37 34.7
13	15 06 55.7	76 37 32.0	46	15 06 44.2	76 37 33.4	74	15 06 36.0	76 37 32.9	107	15 06 06.5	76 37 51.9	143	15 06 06.6	76 37 56.8	178	15 06 19.0	76 37 39.9	210	15 06 47.4	76 37 27.8	242	15 06 49.7	76 37 35.3
14	15 06 54.3	76 37 33.3	47	15 06 44.5	76 37 33.0	75	15 06 36.0	76 37 32.5	108	15 06 05.9	76 37 52.6	144	15 06 07.3	76 37 56.1	179	15 06 19.8	76 37 39.4	211	15 06 48.0	76 37 26.9	243	15 06 49.3	76 37 35.5
15	15 06 53.4	76 37 34.1	48	15 06 45.3	76 37 32.4	76	15 06 36.0	76 37 31.9	109	15 06 05.4	76 37 53.2	145	15 06 07.6	76 37 55.8	180	15 06 21.4	76 37 38.2	212	15 06 48.3	76 37 26.6	244	15 06 48.8	76 37 35.8
16	15 06 51.8	76 37 35.6	49	15 06 46.1	76 37 31.2	77	15 06 35.4	76 37 32.0	110	15 06 04.2	76 37 54.3	146	15 06 08.5	76 37 55.4	181	15 06 22.4	76 37 37.4	213	15 06 48.7	76 37 26.1	245	15 06 48.6	76 37 35.8
17	15 06 50.9	76 37 35.9	50	15 06 47.2	76 37 30.2	78	15 06 35.1	76 37 32.1	111	15 06 03.6	76 37 54.9	147	15 06 08.8	76 37 55.1	182	15 06 23.9	76 37 36.6	213A	15 06 49.2	76 37 25.6	245A	15 06 48.5	76 37 35.9
18	15 06 50.0	76 37 36.1	51	15 06 48.1	76 37 28.8	79	15 06 34.6	76 37 32.5	112	15 06 03.1	76 37 56.1	149	15 06 08.0	76 37 55.3	183	15 06 25.5	76 37 36.1	214	15 06 49.4	76 37 25.4	245B	15 06 48.6	76 37 35.9
19	15 06 49.0	76 37 36.2	52	15 06 48.7	76 37 27.7	80	15 06 33.2	76 37 33.1	113	15 06 03.2	76 37 57.4	150	15 06 07.0	76 37 55.7	184	15 06 27.4	76 37 35.3	215	15 06 49.7	76 37 25.5	245C	15 06 49.0	76 37 35.8
20	15 06 48.4	76 37 36.2	53	15 06 49.2	76 37 26.6	81	15 06 31.9	76 37 34.0	114	15 06 03.6	76 37 57.4	151	15 06 06.7	76 37 55.8	185	15 06 28.5	76 37 35.3	216	15 06 49.8	76 37 26.0	246	15 06 50.0	76 37 35.7
21	15 06 48.2	76 37 36.3	54	15 06 49.2	76 37 26.4	82	15 06 31.2	76 37 34.4	115	15 06 03.7	76 37 57.4	152	15 06 05.7	76 37 56.5	186	15 06 29.6	76 37 34.8	217	15 06 49.5	76 37 26.8	247	15 06 50.9	76 37 35.5
22	15 06 48.1	76 37 35.7	54A	15 06 49.3	76 37 26.0	83	15 06 30.8	76 37 34.6	116	15 06 03.8	76 37 57.3	153	15 06 04.4	76 37 57.3	186A	15 06 30.7	76 37 34.2	218	15 06 49.1	76 37 27.8	248	15 06 51.7	76 37 35.3
23	15 06 48.1	76 37 35.7	54B	15 06 49.3	76 37 26.0	84	15 06 29.9	76 37 35.1	117	15 06 04.2	76 37 57.0	155	15 06 03.9	76 37 57.7	187	15 06 30.9	76 37 34.1	219	15 06 48.5	76 37 29.0	249	15 06 53.1	76 37 33.9
24	15 06 48.6	76 37 35.4	55	15 06 48.9	76 37 26.7	85	15 06 28.6	76 37 35.9	118	15 06 05.4	76 37 56.2	156	15 06 03.6	76 37 57.7	188	15 06 31.5	76 37 33.8	220	15 06 47.5	76 37 30.4	250	15 06 54.1	76 37 32.9
25	15 06 48.9	76 37 35.1	56	15 06 48.8	76 37 26.8	86	15 06 27.5	76 37 35.8	119	15 06 06.6	76 37 55.5	157	15 06 03.1	76 37 57.7	189	15 06 32.3	76 37 33.2	221	15 06 46.5	76 37 31.4	251	15 06 55.4	76 37 31.6
26	15 06 50.1	76 37 34.4	57	15 06 48.4	76 37 27.2	87	15 06 25.9	76 37 36.5	120	15 06 07.0	76 37 55.4	158	15 06 02.7	76 37 56.2	190	15 06 32.9	76 37 32.8	222	15 06 45.6	76 37 32.7	252	15 06 55.9	76 37 31.0
27	15 06 51.1	76 37 33.2	58	15 06 47.7	76 37 28.0	88	15 06 24.4	76 37 36.9	121	15 06 07.9	76 37 55.0	159	15 06 03.4	76 37 54.5	191	15 06 34.5	76 37 32.1	223	15 06 44.6	76 37 33.3	253	15 06 56.7	76 37 29.9
28	15 06 51.5	76 37 32.2	59	15 06 47.0	76 37 28.8	89	15 06 22.6	76 37 37.9	122	15 06 08.2	76 37 55.0	160	15 06 04.0	76 37 53.9	192	15 06 34.7	76 37 31.9	224	15 06 44.9	76 37 33.6	254	15 06 57.4	76 37 28.8
29	15 06 52.0	76 37 30.3	60	15 06 45.8	76 37 29.8	90	15 06 21.5	76 37 38.7	123	15 06 09.0	76 37 54.8	161	15 06 05.0	76 37 52.8	193	15 06 35.8	76 37 31.6	225	15 06 45.0	76 37 33.6	255	15 06 58.9	76 37 28.0
30	15 06 52.7	76 37 28.3	61	15 06 44.1	76 37 30.6	91	15 06 20.1	76 37 39.7	124	15 06 09.1	76 37 54.9	162	15 06 05.7	76 37 52.1	194	15 06 36.5	76 37 31.7	226	15 06 45.2	76 37 33.5	257	15 07 00.3	76 37 26.7
31	15 06 52.4	76 37 28.2	61A	15 06 42.2	76 37 31.3	92	15 06 19.3	76 37 40.3	125	15 06 09.2	76 37 55.0	163	15 06 06.4	76 37 51.6	195	15 06 36.5	76 37 32.5	227	15 06 46.0	76 37 33.1	258	15 07 00.8	76 37 26.2
																					259	15 07 02.0	76 37 25.4
																					260	15 07 03.6	76 37 25.0
																					261	15 07 04.3	76 37 24.9

CO ORDINATES OF POINT OF INTERSECTION
AT FOREST /ML BOUNDARY

Points	Latitudes			Longitudes		
	Deg.	Min.	Sec.	Deg.	Min.	Sec.
A	15	7	4.7	76	37	25.2
A'	15	7	4.7	76	37	25.7
B	15	7	2.5	76	37	24.8
B'	15	7	2.5	76	37	25.8
C	15	6	57.7	76	37	28.3
C'	15	6	56.0	76	37	31.7
D	15	6	42.7	76	37	30.6
D'	15	6	42.9	76	37	31.0
E	15	6	36.4	76	37	31.5
E'	15	6	35.6	76	37	32.0
F	15	6	12.0	76	37	45.3
F'	15	6	11.3	76	37	45.7
G	15	6	10.8	76	37	56.1
G'	15	6	10.3	76	37	56.6

BOUNDARY OF "BELLARY IRON ORE MINE,ML NO.2366" BLOCK (Tunga Iron Ore Mines)

ROAD PROPOSED FOR FC, (Length -3951.71m ,Area -47420.53m^2,Average Width -12.00m. (Area -4.74 ha.)

DGPS CO-ORDINATES OF M/s. TUNGABHADRA MINERALS PVT LTD
FREE AREA EXCLUDING OVERLAP AREA OF 0.53HA.
AREA -32.68HA. MAP DATUM : WGS-84

CORNER PILLER NO.	Degree Minute Seconds	
	NORTHING	EASTING
LBC-7	15°06'24.369"	76°37'47.650"
LBC-6	15°06'29.876"	76°37'54.356"
LBC-23	15°06'30.362"	76°37'54.102"
LBC-20(NEW POINT)	15°06'32.378"	76°37'56.705"
LBC-21	15°06'24.354"	76°38'06.560"
LBC-22	15°06'15.492"	76°38'13.368"
LBC-10	15°06'14.641"	76°38'12.312"
LBC-8	15°06'04.697"	76°37'59.921"

Note :-Point No.LBC 23 has been created to bound the overlap area with ML. No.2365. DGPS Readings: 15°06'30.362" , 76°37'54.102"

DGPS CO-ORDINATES OF M/s. TUNGABHADRA MINERALS PVT LTD
ML No.2366 AS PER MAHAZAR MAP DATUM : WGS-84
AREA -33.21 HA.

CORNER PILLER NO.	Degree Minute Seconds	
	NORTHING	EASTING
LBC-7A	15°06'25.139"	76°37'47.307"
LBC-20(NEW POINT)	15°06'32.378"	76°37'56.705"
LBC-21	15°06'24.354"	76°38'06.560"
LBC-22	15°06'15.492"	76°38'13.368"
LBC-8	15°06'04.697"	76°37'59.921"

Segment Name	Length in mts.	Width in mts.	Area in Sq.mts	Area in ha.	Colour ID
A-B (Forest)	71.3165	12.00	855.798	0.09	
B-C (in ML.No.2365)	225.2274	12.00	2702.724	0.27	
C-D (Forest)	1486.778	12.00	17841.36	1.78	
D-E(In ML No.2365)	419.9309	12.00	5039.172	0.50	
E-F (Forest)	867.8434	12.00	10414.116	1.04	
F-G(In ML No.2365)	880.6126	12.00	10567.356	1.06	
TOTAL	3951.71		47420.53	4.74	

Width of the proposed road = Total Area / Total Length
= 47420.53/3951.71 =12.00m.

Project Proponent
For JSW Steel Ltd.