



No. D43E12
Scale 1:50,000

D43E7 (57A/7)	D43E11 (57A/11)	D43E15 (57A/15)
D43E8 (57A/8)	D43E12 (57A/12) Bellary KARNATAKA	D43E16 (57A/16)
D43K5 (57B/5)	D43K9 (57B/9)	D43K13 (57B/13) Chitradurga KARNATAKA

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009. Price : Rs. 50/-

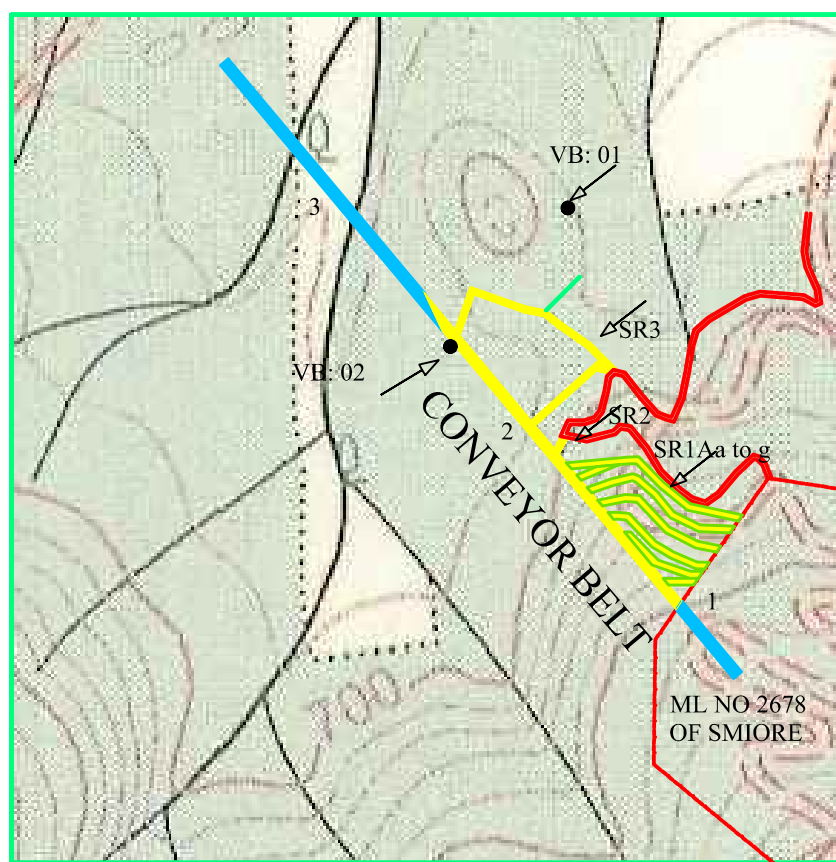
CONVENTIONAL SYMBOLS	
Express highway, with toll with bridge with distance stone	...
Roads, metalled, according to importance	...
Roads, double cartway, according to importance	...
Unmetalled road, Cart-track, Pack-track with pass, Foot-path	...
Streams with track in bed, underflow, Canal	...
Dam, masonry or rock-filled, earthwork, Wall	...
River, dry with water channel, with island & rocks, Tidal river	...
Submerged rocks, Shoal, Swamp, Reeds	...
Wells, lined, unlined, Tube-well, Spring, Tank, perennial, dry	...
Embankment, road or rail, tank, Broken ground	...
Railways, broad gauge, double, single with station, under concrete	...
Railways, other gauges, double, single with distance stone	...
Mineral line or tramway, Kite, Cables with tower	...
Contours with sub-features, Rocky slopes, Cliffs	...
Sand features (1/10th, (1/20th-Hilopernment), (1/40th-Hilopernment)	...
Towns or Villages, inhabited, deserted, Fort	...
Hut: permanent, temporary, Tower, Antiquaries	...
Temple, Chhatra, Church, Mosque, Idgah, Tomb, Graves	...
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage	...
Mine, Vene on trails, Grass, Scrub	...
Palms: palm-tree, other, Plantain, Cordier, Bamboo, Other trees	...
Areas: cultivated, wooded, Surveyed tree	...
Boundary, International	...
water development, undetermined	...
district, subdivision, taluk or block, forest	...
Boundary pillars: survey, unlocated	...
Heights, triangulated station, pole, approximate	...
Benchmark, geodetic, tertiary, canal	...
Post office, Telegraph office, Overhead tank	...
Rest house or inspection bungalow, Circuit house, Police station	...
Camping ground, Forest: reserved, protected	...
Spaced names: administrative, locality or tribal	...
Hospital, Dispensary, Veterinary, Hospital / Dispensary	...
Aerodrome, Heliport, Tourist site	...
Power line: with pylons surveyed, with poles unsurveyed	...

REFERENCES
1947 National Highway No. 63
NMDC National Mineral Development Corporation

NOTES :-
Contours are approximate.
A relative height, e.g., 10 represents the approximate height, in metres, between the top and bottom of a steep slope.
The Forest boundary between Kamalavaribetta Reserved Forest and Donimalai Reserved Forest in squares C4, C5, C6, C7, C8, C9, C10, C11, and C12 is also the limits of these forests in squares D35 have not been shown for want of reliable information.
Unmetalled roads are not shown and most of the cart tracks are possible in dry season.
The kilometre scale numbers along roads, railways and canals are shown in short type, e.g., 1/5.
Whereas kilometre numbers are shown in upright type e.g., 1/5.
Trails, shown dry in the area, usually contain water from October to March.
Permission to use roads and trails along canals is required from irrigation authorities.

COMPILED INDEX	
A	Surveyed during 1974-75. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1° West in 2005.
(Decreasing by about 1' annually).
1:50,000
500 m to 1 cm
2 cm to 1 km
3 Kilometres
CONTOUR INTERVAL 20 METRES
For further details about this map, please contact
Director,
Karnataka Geo-Spatial Data Centre
Survey of India, Koramangala II Block,
Bangalore - 560034
Fax : 080 - 25533595
WEBSITE - www.surveyofindia.gov.in



GPS AND TOTAL STATION READINGS OF PROPOSED CONVEYOR BELT

Sl No	Corner point No	Latitude			Longitude			Total station reading	
		D	M	S	D	M	S	x	y
Reference Point (DGPS CO ORDINATES)									
1	A189	N15	1	21.57832	E76	37	0.80848		
2	A190	N15	1	32.90830	E76	36	46.85693	673505.438	1661555.125
3	A191	N15	1	38.88202	E76	36	46.98204	673508.500	1661738.625
4	A192	N15	1	46.55526	E76	36	52.59599	673675.668	1661975.322
5	A193	N15	1	45.05065	E76	37	2.30528		
6	A194	N15	1	40.46889	E76	37	10.36927		
7	VB 01	N15	1	59.52034	E76	36	42.81136	673382.702	1662372.925
8	VB 02	N15	1	52.94693	E76	36	36.98539	673209.414	1662171.107
Conveyor Belt Point									
9	C01	N15	1	37.3	E76	36	51.2	673623.522	1661681.043
10	C02	N15	1	37	E76	36	50.8	673635.065	1661690.622
11	C03	N15	1	40.3	E76	36	48	673548.373	1661795.083
12	C04	N15	1	40	E76	36	48.3	673539.412	1661782.394
13	C05	N15	1	53.7	E76	36	36.6	673170.91	1662249.914
14	C06	N15	1	55.5	E76	36	35.7	673197.791	1662194.035
15	C07	N15	2	6.5	E76	36	25.8	672884.447	1662595.093
16	C08	N15	2	6.8	E76	36	26.2	672873.14	1662585.229
17	C12	N15	1	48.6	E76	36	42.8	673638.53	1662011.789
18	C13	N15	1	47.8	E76	36	42.3	67361.632	1662020.1
19	C14	N15	1	48	E76	36	42.1	673370.758	1662038.589
20	C15	N15	1	48	E76	36	42.4	673381.598	1662035.852
21	C16	N15	1	49.1	E76	36	41.2	673333.567	1662053.917
22	C17	N15	1	49.4	E76	36	40.9	673327.178	1662061.616
23	C18	N15	1	52.3	E76	36	44.4	673426.917	1662149.802
24	C19	N15	1	52.9	E76	36	43.7	673408.586	1662168.227
25	C20	N15	1	53.8	E76	36	42.3	673368.195	1662196.641
26	C21	N15	1	54.4	E76	36	41.6	673346.343	1662214.061
27	C22	N15	1	54.6	E76	36	40.6	673317.159	1662219.969
28	C23	N15	1	55.4	E76	36	38.2	673244.59	1662246.047
29	C24	N15	1	53.5	E76	36	37.5	673223.372	1662186.699
30	C25	N15	1	53.8	E76	36	37.2	673216.076	1662195.491
31	C26	N15	1	55.8	E76	36	38	673238.518	1662258.855
32	C27	N15	1	54.9	E76	36	40.7	673319.856	1662229.626
33	C28	N15	1	54.7	E76	36	41.7	673350.691	1662223.384
34	C29	N15	1	54	E76	36	42.5	673374.194	1662204.647
35	C30	N15	1	53.1	E76	36	43.9	673415.057	1662175.902
36	C31	N15	1	51.7	E76	36	45.3	673457.009	1662133.734
37	C32	N15	1	51.8	E76	36	45	673448.751	1662135.835
38	C33	N15	1	51.6	E76	36	44.8	673441.813	1662128.956
39	C34	N15	1	51.7	E76	36	44.2	673424.054	1662133.922

Area details for Downhill Conveyor system (DCS) Length 1173 mts & Area for service roads.									
Sl No	Map Reference	Segment Description: Approx & Measured land	Length	Width	Area in Hectares	Forest	Reven	ML Area	Total
1	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
2	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
3	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
4	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
5	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
6	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
7	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
8	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
9	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
10	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
11	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
12	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
13	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
14	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
15	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
16	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
17	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
18	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
19	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
20	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
21	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
22	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
23	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
24	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
25	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
26	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
27	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
28	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
29	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
30	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
31	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
32	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
33	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
34	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
35	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
36	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
37	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
38	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
39	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
40	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
41	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
42	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
43	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
44	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
45	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
46	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
47	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
48	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
49	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801
50	13C	Down hill Conveyor system 25 mts width 134.0 mts Length	134	25	3350.0000			0.801	0.801

INDEX

ML No 2678 BOUNDARY

PROPOSED AREA FOR CONVEYOR BELT (FOREST)

PROPOSED AREA FOR CONVEYOR BELT (REVENUE & ML 2678)



THE SANDUR MANGANESE & IRON ORES LTD,
Deogiri (Village), Sandur (Taluk), Bellary (Dist),
KARNATAKA

TOPOSHEET
DIVERSION OF 2.4313888 Ha. FOREST LAND FOR
DOWNHILL CONVEYOR SYSTEM (DCS).
ML No 2678
Ref Toposheet No:- D43E12,(57A/12)

DATE :- 20.12.2017 SCALE:- 1:50000 PLATE No: CBSM01

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