निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. D43E12

Scale 1:50,000

Koppal KARNATAKA 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**

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CONVENTIONAL SYMBOLS

Express highway: with toll; with bridge; with distance stone
Roads, metalled: according to importance
Roads, double carriageway: according to importance
Unmetalled road. Cart-track. Pack-track with pass. Foot-path
Streams: with track in bed; undefined. Canal
Dams: masonry or rock-filled; earthwork. Weir
River: dry with water channel; with island & rocks. Tidal river
Submerged rocks. Shoal. Swamp. Reeds
Wells: lined; unlined. Tube-well. Spring. Tanks: perennial; dry
Embankments: road or rail; tank. Broken ground
Railways, broad gauge: double; single with station; under construction
Railways, other gauges: double; single with distance stone; do.
Mineral line or tramway. Kiln. Cutting with tunnel
Contours with sub-features. Rocky slopes. Cliffs
Sand features: (1)flat. (2)sand-hills(permanent). (3)dunes(shifting)
Towns or Villages: inhabited; deserted. Fort
Huts: permanent; temporary. Tower. Antiquities
Temple. Chhatri. Church. Mosque. Idgah. Tomb. Graves
Lighthouse. Lightship. Buoys: lighted; unllighted. Anchorage
Mine. Vine on trellis. Grass. Scrub
Palms: Date(Phoenix). Palmyra. Other. Plantain. Conifer. Bamboo. Other trees
Areas: cultivated; wooded. Surveyed tree
Boundary, international
" state: demarcated; undemarcated
" district; subdivision; tahsil or taluk; forest
Boundary pillars: surveyed; unlocated
Heights, triangulated: station; point; approximate. 200 200 200
Bench-mark: geodetic; tertiary; canal. BM 63-3 BM 63-3 63
Post office. Telegraph office. Overhead tank
Rest house or Inspection bungalow. Circuit house. Police station
Camping ground. Forest: reserved; protected. RF PF
Spaced names: administrative; locality or tribal. KIKRI NAGA
Hospital. Dispensary. Veterinary; Hospital / Dispensary
Aerodrome. Helipad. Tourist site
Power line: with pylons surveyed; with poles unsurveyed

REFERENCES

NH 63 National Highway No. 63
NMDC National Mineral Development Corporation

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g.,$_{20}$, represents the approximate height, in metres, between the top and bottom of a steep slope.
The Forest boundary between Ramanamalaimbetta Reserved Forest and Donimalai Reserved Forest in squares C26, C25, D26, D25, and D26 so also the limits of these forests in square D25 have not been shown for want of reliable information.
Unmetalled roads are motorable and most of the cart-tracks are jeepable in dry season.
The kilometre stone numbers along roads, railways and canals are shown in slant type, e.g.,'5' whereas milestone numbers are shown in upright type e.g.,'5'.
Tanks, shown dry in this area, usually contain water from October to March.
Permission to use roads and tracks along canals is required from irrigation authorities.

COMPILATION INDEX

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

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $1\frac{1}{2}°$ West in 2005.
(Decreasing by about 1' annually)

1:50,000 500 m to 1 cm 2 cm to 1 km

Metres 1000 500 0 1 2 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

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REG. No. 8888-SPG D'10 (Karnataka GDC-1:50,000)-2013.

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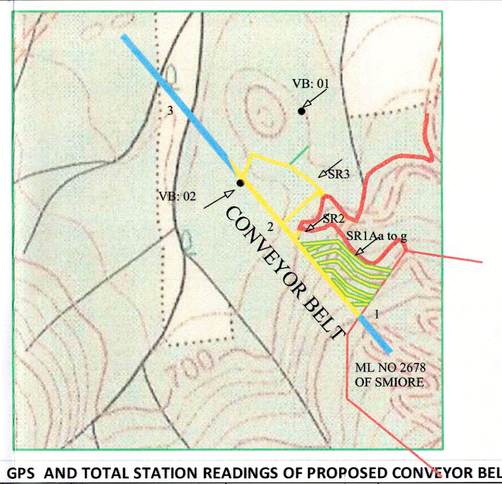

GPS AND TOTAL STATION READINGS OF PROPOSED CONVEYOR BELT

Sl No	Corner point No	Latitude D	Latitude M	Latitude S	Longitude D	Longitude M	Longitude S	Total station reading x	Total station reading 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	40.7	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	673368.53	1662011.789
18	C13	N15	1	47.8	E76	36	42.3	673361.632	1662020.1
19	C14	N15	1	48	E76	36	42.1	673370.758	1662038.589
20	C15	N15	1	48.6	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- Forest & Revenue land	Length	Width	Area in Sq meter	Area in Ha: Forest	Area in Ha: Revenue	Area in Ha: ML Area	Area in Ha: Total
1	Conveyor	C01 to C04	Down hill Conveyor system 15 mts width 134.0 mts Length in ML 2678 area.	134	15	2010.00000			0.201	0.201
2	Conveyor	C04,C5,C5,C06	Down hill conveyor 15 mts width 563.0 mts Length.	563	15	8445.00000	0.8445000000			0.8445
3	Conveyor	C06,C5,C7,C08	Down hill Conveyor system 15 mts width 478 mts Length (revenue land) Survey No 54 of Ramjinpur Vlaw, sandur Taluk.	478.00000	15	7170.00000		0.717		0.717
4	SR1u	B22 Level	Approach Road SR1a	44.06400	10	440.64000	0.0440640			
5	SR1b	B06 level	Approach Road SR1b	127.11700	10	1275.17000	0.1275170			0.12752
	SR1c	790 Level	Approach Road SR1c	165.98810	10	1659.88100	0.1659881			
	SR1d	778 Level	Approach Road SR1d	200.13880	10	2005.38800	0.2005388			
	SR1e	766 Level	Approach Road SR1e	340.68600	10	3406.86000	0.3406860			
	SR1f	744 Level	Approach Road SR1f	46.09500	10	460.95000	0.0460950			
	SR1g	754 Level	Approach Road SR1g	281.05170	10	2810.51700	0.2810517			
5	SR2	C12 to C15- 730 Level	Service road proposed for down hill conveyor system from existing approach road.	25.00000	10	250.00000	0.0250000			0.0500
6	SR3	C16 to C34- Level 670& 705.	Service road proposed for down hill pipe conveyor.	456.00000	10	4560.00000	0.4560000			0.4560
							2.4313888	0.717	0.201	3.34959

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

for The Sandur Manganese & Iron Ores Limited

Sr. Manager (Mines)

TOPOSHEET
DIVERSON 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