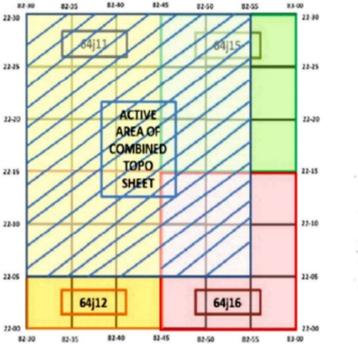


TOPO SHEETS USED:
 No. 64J11
 No. 64J12
 No. 64J15
 No. 64J16
 Scale 1:50,000

CONFIGURATION OF TOPO SHEETS



भारतीय सर्वेक्षण विभाग SURVEY OF INDIA
 1st Edition: 2008

CONVENTIONAL SYMBOLS

- Express highway: with toll; with bridge; with distance stone
- Roads, metalled: according to importance
- Roads, double cartageway: 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. Well
- River: dry with water channel; with island & rocks. Tidal river
- Submerged rocks. Shoal. Swamp. Reeds
- Wells: lined. Unlined. Tube-well. Spring. Tanks: permanent; 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; double
- Mineral line or tramway; Kin. Cutting with tunnel
- Contours with sub-features. Rocky slopes. Cliffs
- Sand features: (Mud) (Sand-dune) (permanently) (Disappearing)
- Towns or Villages: inhabited; deserted. Fort
- Hills: permanent; temporary. Tower. Anticline
- Temple. Chhatra. Church. Mosque. Gûgh. Tomb. Graves
- Lighthouse. Lightship. Buoy: lighted; unlighted. Anchorage
- Mine. Vise on traffic. Green. Scrub
- Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
- Areas: cultivated; wooded. Surveyed tree
- Boundary, international
- State: demarcated; undemarcated
- District; subdivision, taluk or thak; forest
- Boundary pillars: surveyed; unlocated; village (junction)
- Height: triangulated; station; point; approximate
- Bench-mark: geodetic; tertiary; canal
- Post office. Telegraph office. Overhead tank
- Rest house or inspection bungalow. Circuit house. Police station
- Camping ground. Forest: reserved; protected
- Spaced ranges: administrative; locality or tribal
- Hospital. Dispensary. Veterinary hospital
- Aerodrome. Helipad. Tourist site
- Power line: with pylons surveyed; with poles unsurveyed

FOREST DIVERSION DETAILS							
Sl No	Khasra No	Area in Ha	Forest Type	Towers Involved	Tower Co-ordinates (in UTM)		
					Easting	Northing	
1	491/1	3.271	RF	6/6	67692.872	2477089.118	
					716	677172.825	2477089.847
					9/9	677204.014	2476921.089
2	582/1	3.071	RF	18/0	677416.780	2476973.581	
					18/0	677550.295	2476862.581
					12/0	677681.015	2476938.869
3	907	5.339	RF	23/2	678041.554	2476157.920	
					23/0	680681.067	2476391.161
					23/2	680259.410	2476387.901
4	207/1	2.405	RF	23/2	681197.854	2476417.543	
					23/2	681406.341	2476157.889
					23/2	681488.973	2476787.000
5	207/1	2.405	RF	23/2	681973.096	2476071.728	
					23/2	681973.096	2476071.728
					23/2	681973.096	2476071.728
6	22.24	1.17	PF (P-988)	23/0	682245.601	2476905.685	
					23/0	682259.410	2476387.901
					23/0	682322.020	2476454.123
7	1	0.890	PF (P-988)	34/0	683564.725	2473282.289	
					34/0	683564.725	2473282.289
					34/0	683564.725	2473282.289
8	553/1A	0.510	(OF OA)	46/0	682322.020	2485140.924	
					128/0	682322.020	2485140.924
					128/0	682322.020	2485140.924
9	237/1A	0.481	RF	48/0	681384.054	2484829.488	
					48/0	681384.054	2484829.488
					48/0	681384.054	2484829.488
Total					17.245		

LEGEND
 TRANSMISSION LINE : ————
 TRANSMISSION TOWERS : ●
 TOWER NUMBERS : ●
 FOREST DIVERSION CORRIDORS : ■ ■ ■
 KHASRA, AREA & FOREST TYPE DETAILS: ■ ■ ■

REFERENCE
 PWD. Public Works Department.

NOTES
 Heights are in metres and above Indian mean sea level.
 Contours are approximate.
 A reserve height, if any, represents the approximate height, in metres, between the top and bottom of a steep slope.
 Tanks shown dry, in this area usually indicate water from July to December.
 Townships are numbered throughout the area, only the important ones have been shown.
 The vector boundaries of areas of Reserved or Protected Forests are shown by green shades.
 The triangulated heights and spheroids in this sheet have not been adjusted to the heights of the earth-fixed bench-marks and may not be strictly in accordance with them.
 The kilometre stone number along road are shown in start type, e.g., 'whereas milestone numbers are shown in upright form, e.g., '5'.
 Head Pump is shown thus: [Symbol]

Projection - UTM Datum - WGS 84
 Magnetic Variation from True North about 3° West in 2008 (Annual change negligible).
 Scale 1:50,000
 50m to 1cm
 2cm to 100m

CONTOUR INTERVAL 30 METRES
 For further details about this map, please contact
 Orissa Geo-Spatial Data Centre
 Survey of India
 Survey Bhawan, PO - R R Laboratory
 Bhubaneswar.
 Fax: 0674 - 2301419
 WEBSITE - www.surveyofindia.gov.in
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400 KV D/C TRANSMISSION LINE FROM BALCO SUBSTATION - PGCL DHARAMJAYGARH POOLING STATION

TOPOGRAPHIC MAP OF LINE SHOWING DGPS CO-ORDINATES IN PROPOSED FOREST DIVERSION AREAS

BHARAT ALUMINIUM COMPANY LIMITED

EMPOWERTRANS PRIVATE LIMITED BHUBANESWAR