

TOPO MAP (DGPS SURVEYED) SHOWING FOREST AREAS PROPOSED FOR DIVERSION WITHIN SUBHADRA OPEN CAST PROJECT OF M/S MAHANADI COAL FIELD LIMITED, SUBHADRA AREA, AT ANGUL DISTRICT.(TOPO SHEET NO- F-45S13 & F45 T1)



**OPEN SERIES
MAP**

No. F45S13

Scale 1:50,000

F45M12 (73412)	F45M16 (73416)	F45N4 (73414)
F45S9 (73419)	F45S13 (73413)	F45T1 (73411)
F45S10 (73410)	F45S14 (73414)	F45T2 (73412)

1 Dhenkanal, ORISSA 2 Nayagarh, ORISSA

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2002.

Price: Rs. 50/-

CONVENTIONAL SYMBOLS

Express highway with toll with bridge, with distance shown	
Roads, metalled according to importance	
Roads, double carriageway according to importance	
Unmetalled road, Cart-track, Push-track and pass, Foot-path	
Stream, with bank in full, unmetalled, Canal	
Dam, masonry or rock filled, earthen, Weir	
River, dry with water channel, with island & rocks, Tidal over	
Swampy area, Shrub Swamp, Road	
Water, lined, unlined, Tube-well, Spring, Tank, perennial, dry	
Embankment, road or rail, bank, Broken ground	
Railways, broad gauge, double single with station, under construction	
Railways, other gauges, double single with station, do	
Musical line or railway, with cutting with distance shown, do	
Concrete with arch features, Road, steep, Cliffs	
Sand, dunes, (filled), (dune), (unfilled), (dune), (unfilled)	
Towers or Village, (filled), (unfilled), (dune), (unfilled)	
Isle, permanent, temporary, Tower, Aqueduct	
Terrace, Churn, Churn, Mason, light, Tank, Green	
Lighthouse, Light-house, Buoy, lighted, unlighted, Anchorage	
Mine, Vitr in brick, Green, Sand	
Palms, palms, other, Plantain, Coffee, Bamboo, Other trees	
Arise, cultivated, wooded, Surveyed line	
Boundary, international	
State, demarcated, undemarcated	
distance, subdivision, label or title, forest	
Boundary, pillars, surveyed, enclosed	
Height, triangulated, station, point, approximate	
BM 63.3, BM 62.2, BM 62.1	
Post office, Telegraph office, Check post, Police station	
Rest house or inspection bungalow, Circuit house, Police station	
Camp, ground, Forest, reserved, protected	
Second names, administrative, locality or tribal	
Hospital, Dispensary, Veterinary, Hospital / Dispensary	
Aerodrome, Helipad, Tourist site	
Power line, with poles surveyed, with poles unsurveyed	

REFERENCES

NH-42 National Highway No. 42 PRD Public Works Department.

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A station height, as represented by the appropriate symbol, is shown between the top and bottom of a flag sign.
The subdivision boundaries in this sheet have been surveyed in part by the local officials on the ground, but have not been verified by the concerned authorities.
The extent boundaries of areas of Reserved or Protected Forests are shown by green rhombs.
Towns shown dry, in this area usually contain water from July to January.
All perennial rivers, in this sheet, against which there is no descriptive remark, are generally navigable in dry season.
Head pump is shown thus

COMPILED INDEX

A. Compiled from 1:25,000 survey 1979-80. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 2° West in 2005.

(Annual change negligible)

Scale 1:50,000

500 m to 1 cm

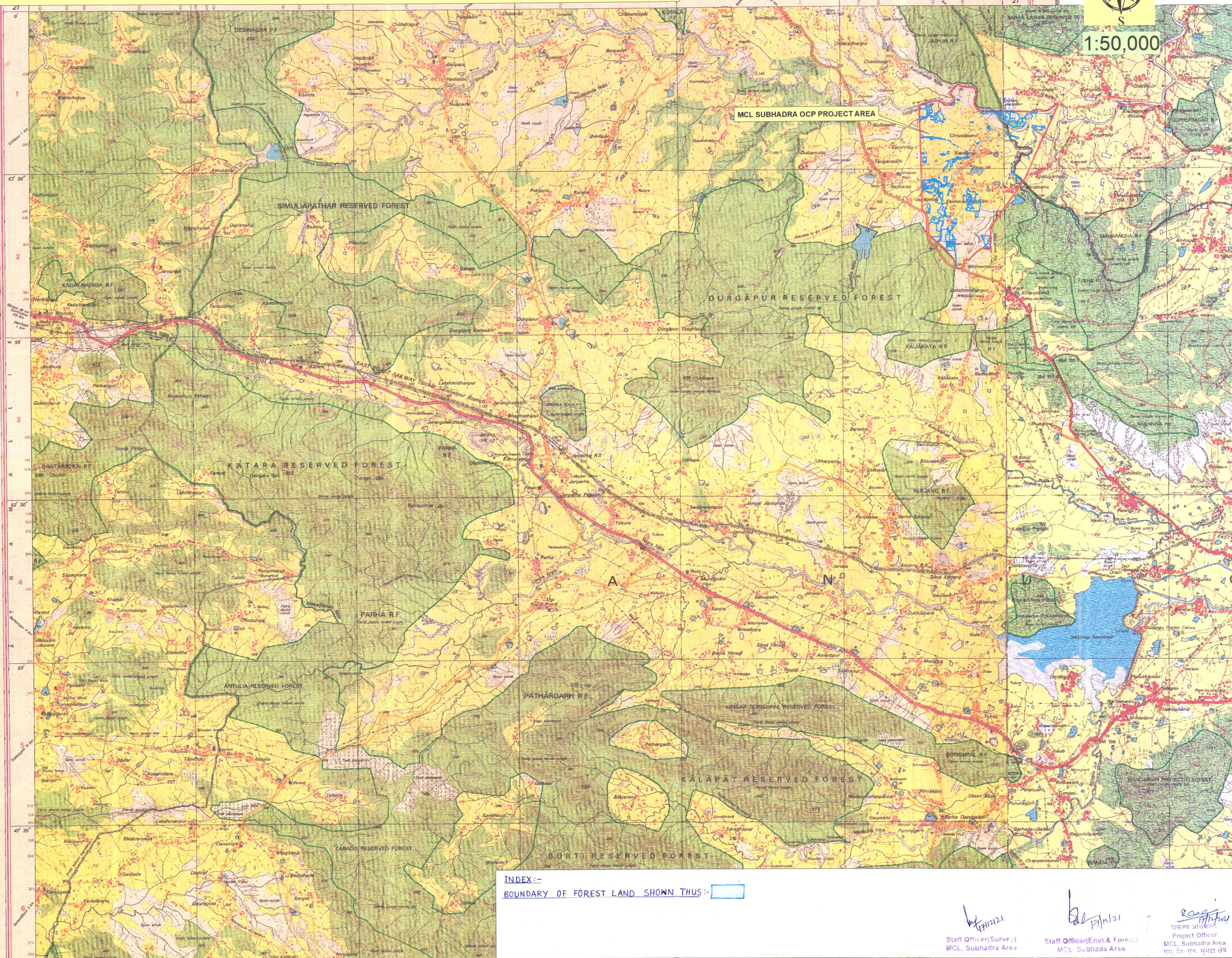
2 cm to 1 km

3 Kilometres

CONTOUR INTERVAL TO METRES

For further details about this map, please contact

Director



1:50,000

INDEX :-
BOUNDARY OF FOREST LAND SHOWN THUS :-

Staff Officer (Survey)
MCL, Subhadra Area

Staff Officer (Envl. & Forest)
MCL, Subhadra Area

Project Officer
MCL, Subhadra Area