



नियत के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F45S13

Scale 1:50,000

F45M12 (73C12)	F45M16 (73C16)	F45N4 (73G4)
F45S9 (73D9)	F45S13 (73D13) Anugul ORISSA	F45T1 (73H1)
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भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009

Price: RS. 70/-

CONVENTIONAL SYMBOLS

Express highway, with toll, with bridge, with distance shown	
Road, metalled, according to importance	
Road, double carriageway, according to importance	
Unmetalled road, Cart-track, Foot-track and pass, Foot-path	
Stream, with track in bed, undivided, Canal	
Dam, masonry or rock-filled, earthwork, Weir	
River, city with water channel, with island & rocks, Tidal river	
Shimmering rocks, Shale, Swamp, Reeds	
Wells: lined, unlined, Tube-well, Spring, Tanka, perennial, dry	
Graben: road or rail, tank, Broken ground	
Railways, broad gauge, double single with station, under construction	
Railways, other gauges, double single with station, under construction	
Mineral line or railway, Kite, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features (Mud, Shaded hills, permanent), Dunes, Shifting	
Towns or Villages: inhabited, deserted, Fort	
Huts, permanent, temporary, Tower, Antenna	
Temples, Churches, Mosques, Jains, Tanks, Graves	
Lighthouses, Lightships, Buoys, Lighted, unlighted, Anchorage	
Mine, Vite or mine, Grass, Scrub	
Peat, permanent, other, Plantain, Cane, Bamboo, Other trees	
Areas: cultivated, wooded, Surveyed area	
Boundary: international	
State, demarcated, undemarcated	
District, subdivided, solid or black forest	
Boundary, private, surveyed, unsurveyed	
Height, triangulation station, peak, approximate	
Spot height, geodetic, levelling, aneroid	
Post office, Telegraph office, Overhead tank	
First house or inspection bungalow, Circuit house, Police station	
Canning ground, Forest, reserved, protected	
Social names: school, hospital, bazaar or school	
Hospital, Dispensary, Veterinary Hospital, Dispensary	
Airport, Heliport, Tourist site	
Power line, with pylons surveyed, with poles unsurveyed	

REFERENCES

NH 42 National Highway No. 42. PWD Public Works Department.

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, 50, represents the approximate height, in metres, between the top and bottom of a steep slope.
The subdivision boundaries in this sheet have been surveyed as pointed out by the local officials on the ground, but have not been verified by the concerned authorities.
The station boundaries of areas of reserved or protected forests are shown by green hillocks.
These shown only in the area usually covered water from July to January.
All unmetalled roads, in this sheet, against which there is no description, are generally metalled in dry season.
Hind pump is shown thus:

COMPILED INDEX

A. Compiled from 1:25,000 survey 1879-80. Updated for major details during 2002-05.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 3° West in 2005.

1:50,000

Scale 1:50,000

CONTOUR INTERVAL 10 METRES

For further details about this map, please contact

Director

Orissa Geo-Spatial Data Centre

Survey of India

Survey Bhawan, PO - R R Laboratory

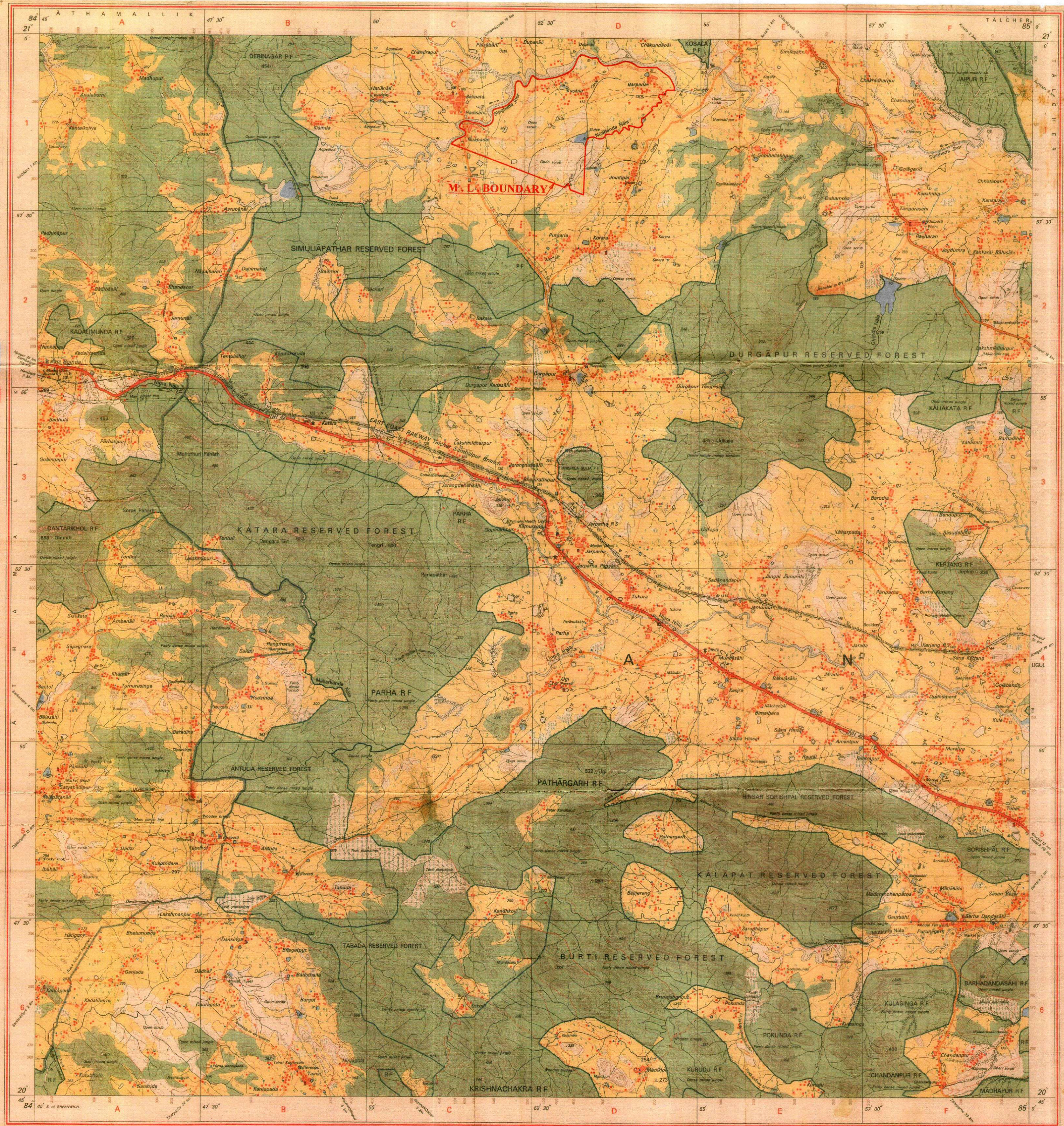
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REG. No. 2418-SPC D/99 (Orissa GDC-150/000)-015.

सर्वेक्षण विभाग के द्वारा तैयार,
Published under the direction of Surveyor General of India,
Survey of India, Haldimahal Estate, Post Box No. 37, Cuttack-754001 (Orissahandi),
Department of Science & Technology, Government of India.

KEY PLAN
RADHIKAPUR WEST COAL BLOCK
PLATE NO-01

For Radhikapur West Coal Mining Pvt. Ltd.
Vice President

Divisional Forest Officer

Radhikapur (West) Coal Mining Private Limited
Authorized Signatory