

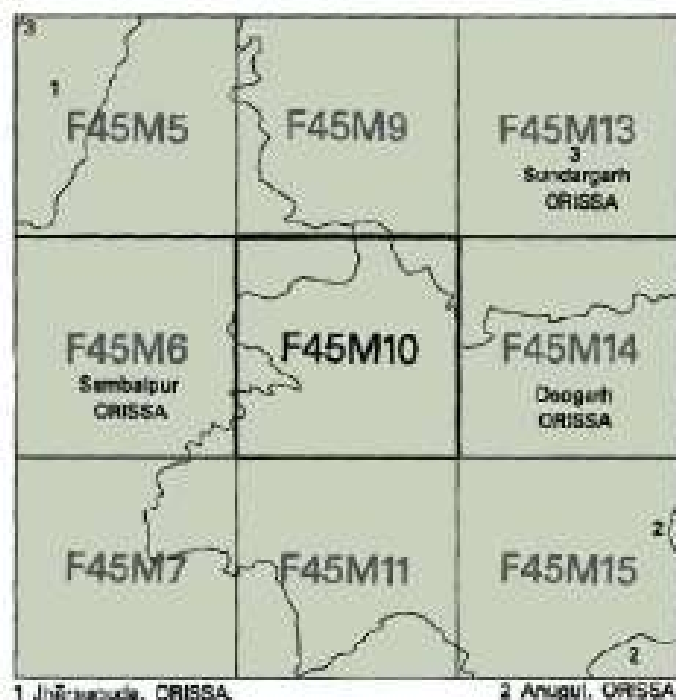


निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F45M10

Scale 1:50,000



भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2008

Price : Rs. 50/-

CONVENTIONAL SYMBOLS

Spurs (highways) with toll, with bridge, with distance scale			
Roads, metalled, according to importance			
Roads, unmetalled, according to importance			
Dashed road, cut-back, foot-track with pass, foot-path			
Stream, with creek in bed, unconfined, dam			
Dense, mossy, or rock (flat), earthen, water			
River, dry with water channel, with sand & rocks, tidal, dry			
Bottomed road, Shal, Swamp, Road			
Water, pond, tank, lake, reservoir, Tanka, pond, dry			
Underground, road or rail, broken ground			
Railway, broad gauge, double, single with distance scale, under construction			
Telephone, telegraph, post, cable, single with distance scale, under construction			
Mineral, line or railway, K.C. Cutting with tunnel			
Contours with sub-metres, rocky, steep, cliffs			
Tree features: (1) Deciduous, (2) Evergreen, (3) Coniferous, (4) Palm, (5) Bamboo, (6) Other trees			
Trees or Vignettes: (1) Deciduous, (2) Evergreen, (3) Coniferous, (4) Palm, (5) Bamboo, (6) Other trees			
Water, permanent, temporary, river, drainage			
Temple, Chhatra, Chhatra, Mosque, Ghat, Tank, Shrine			
Uphill, downhill, slope, (1) Right, (2) Left, (3) Unmarked, (4) Annotated			
Min. View (1) Right, (2) Left, (3) Unmarked, (4) Annotated			
Police, post, other, station, other, station, other, station			
Area, cultivated, wooded, surveyed, tree			
Boundary, international			
State, delineated, undermarked			
State, delineated, undermarked			
Boundary, official, surveyed, unmarked			
Height, triangulation, station, peak, approximation			
Barometrical, elevation, station, peak, approximation			
Post office, telegraph office, Government, post			
Rail house or passenger, baggage, coach, house, Police station			
Camping ground, Forest, reserved, protected			
Spent, reserve, administrative, station, or other			
Hospital, Dispensary, Veterinary hospital			
Headquarters, Police, Station, etc.			
Power line, with poles, surveyed, with poles, unmarked			

REFERENCES

Ad. 2 National Highway No. 8. PWD Public Works Department.

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Important buildings are shown in black with names.
A relative height, or, measures the approximate height, in metres, between the top and bottom of a steep slope.
The unmarked heights and contours in this sheet have not been adjusted to the heights of the spot-heighted benchmarks and may not be strictly in accordance with them.
The interior boundaries of areas of Reserved or Protected Forests are shown by green borders.
Unmarked roads and canals in this sheet are generally shown in dry season.
Towns, shown in this sheet, are usually shown near the 1/4 inch contour.
Hard Pans are shown in this sheet.

COMPILATION INDEX

A. Surveyed during 1955-56. Updated for major details during 2005-06.
गणेश कंधपानी
मुख्य प्रबंधक (निर्माण)
भारतीय सर्वेक्षण विभाग
भुवनेश्वर
G. KANDHAPANI
Chief Manager (Const.)
S.I. (India) Ltd.
Bhubaneswar

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/2° West in 2005.
(Annual change negligible)

1:50,000

Scale 1:50,000
1 cm = 500 m
1 inch = 12.5 m
CONTOUR INTERVAL 25 METRES

For further details about this map, please contact

Director

Orissa Geo-Spatial Data Centre

Survey of India

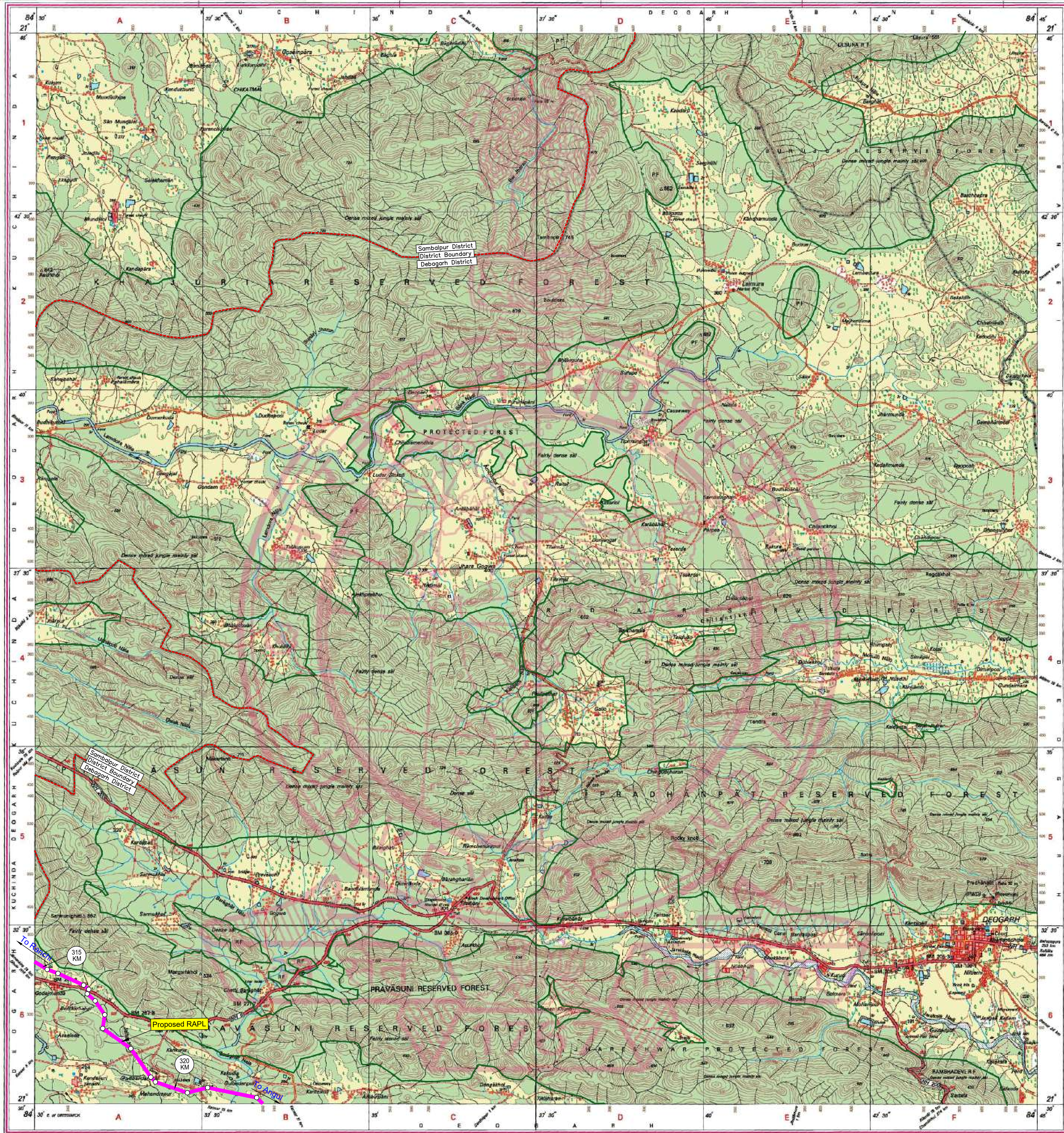
Survey Bhawan, PO - R.R. Laboratory

Bhubaneswar.

Fax : 0674 - 2301416

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited
without the written permission of Survey of India, the
National Mapping Agency.



NETL No. 12356 - SPD 12356 (2005-06) (2005-06) (2005-06)

Printed under the direction of Surveyor General of India.
Survey of India, Hathibakia Estate, Post Box No. 27, Dehra Dun - 248001 (Uttarakhand),
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.

No. F45M11

Scale 1:50,000

F45M6 (73C/6)	F45M10 (73C/10)	Sundargarh ORISSA F45M14 (73C/14)
Sambalpur ORISSA F45M7 (73C/7)	F45M11 (73C/11)	Deogarh ORISSA F45M15 (73C/15)
F45M8 (73C/8)	F45M12 (73C/12)	Anugul (73C/16) ORISSA F45M16

भारतीय सर्वेक्षण विभाग
SURVEY OF INDIA

1st Edition 2009.

PRICE Rs. 110/-

CONVENTIONAL SYMBOLS

Express highway with toll; with bridge; with distance stone	707
Roads, metalled; according to importance	707
Roads, double carriageway; according to importance	707
Unmetalled road, cart-track, pack-track and path. Foot-path	707
Stream: with track in bed; unflooded. Canal	707
Dam: masonry or rock-fill; earthwork. Weir	707
Submerged rock. Shoal. Swamp. Reeds	707
Water: lived, unflooded. Tube-well. Spring. Tanks: permanent; dry	707
Embankments: road or rail; tank. Broken ground	707
Railways, broad gauge; double; single with station; under construction	707
Railways, other gauges; double; single with station; under construction	707
Mineral: live or temporary. Kib. Cutting with tunnel	707
Contours with sub-features. Rocky slopes. Cliffs	707
Sand features: (dune, dune-like permanent, dune-like shifting)	707
Towns or villages: inhabited; deserted. Fort	707
Hut: permanent; temporary. Tower. Antenna	707
Temples. Church. Mosque. Idgah. Tomb. Grave	707
Uighouses. Lighthouse. Buoy: lighted; unlighted. Anchorage	707
Mine: vein or track. Grass. Scrub	707
Palms: palm; other. Plantain. Cactus. Bamboo. Other trees	707
Areas: cultivated; wooded; surveyed tree	707
Boundary, international	707
Boundary: Pillars: surveyed; unlocated	707
Height: triangulation station; point; approximate	707
Bench-mark: geodetic; tertiary; canal	707
Post office. Telegraph office. Overhead tank	707
Rest house or inspection bungalow. Guard house. Police station	707
Camping ground. Forest: reserved; protected	707
Spaced names: administrative; locality or tribal	707
Hospital. Dispensary. Veterinary. Hospital / Dispensary	707
Aerodrome: helped. Tourist site	707
Power line: with pylons surveyed; with pylons unsurveyed	707

REFERENCE

NH 209 National Highway No. 209.

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, do, represents the approximate height, in metres, between the top and bottom of a steep slope.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green rhombs.
Tanks shown dry, in this area, usually contain water from July to February.
Unmetalled roads and cart-tracks in this sheet are generally motorable in dry season.
Head Pump is shown true

COMPILATION INDEX

A. Surveyed during 1975-76. Updated in order details from 1:25,000 survey 1985-86. Verified during 2004-06.
महेश्वर कंधपानी
मुख्य प्रबंधक (निर्माण)
गैल इंडिया लिमिटेड
भुवनेश्वर
G. KANDHAPANI
Chief Manager (Const.)
GAIL (India) Ltd.
Bhubaneswar
Datum - WGS 84.
Projection - UTM

Magnetic Variation from True North about 1° West in 2005.
(least change negligible)

Type text here
1:50,000

Scale 1:50,000
2 cm to 1 km
Contours interval 20 metres

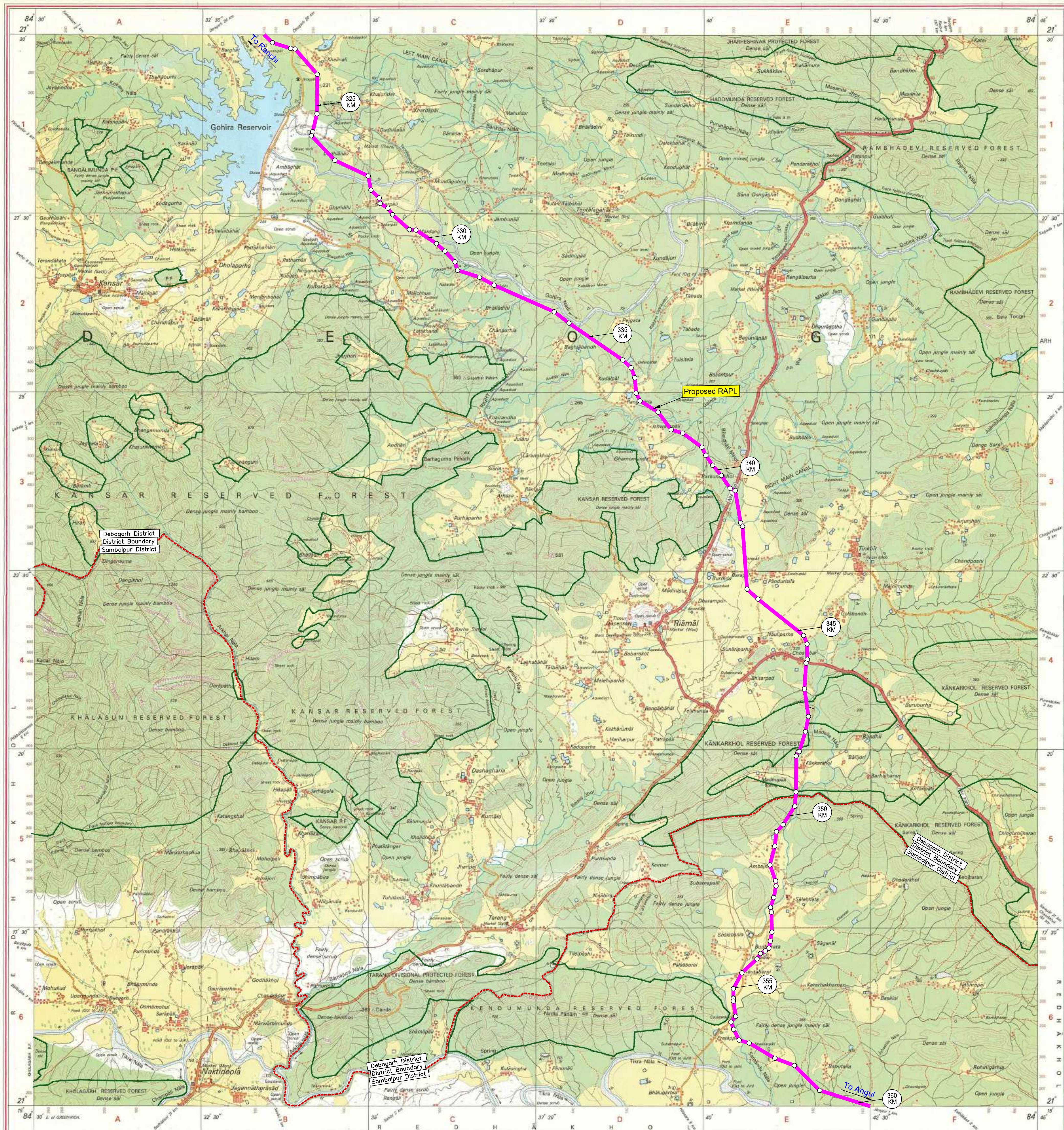
For further details about this map, please contact

Director
Orissa Geo-Spatial Data Centre
Survey of India
Survey Bhawan, PO - R R Laboratory
Bhubaneswar-751013
Fax : 0674 - 230418

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited
without the written permission of Survey of India, the
National Mapping Agency.

GOVERNMENT OF INDIA COPYRIGHT, 2009



REG. No. 8693-SPG D/09 (Orissa GOC: 1/50,000/1015)

भारत के नक्शासर्वेक्षण के निदेशन में प्रकाशित,
Published under the direction of Surveyor General of India,
Survey of India, Hathi Bank Estate, Post Box No. 37, Dehra Dun-248001 (Uttarakhand),
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.

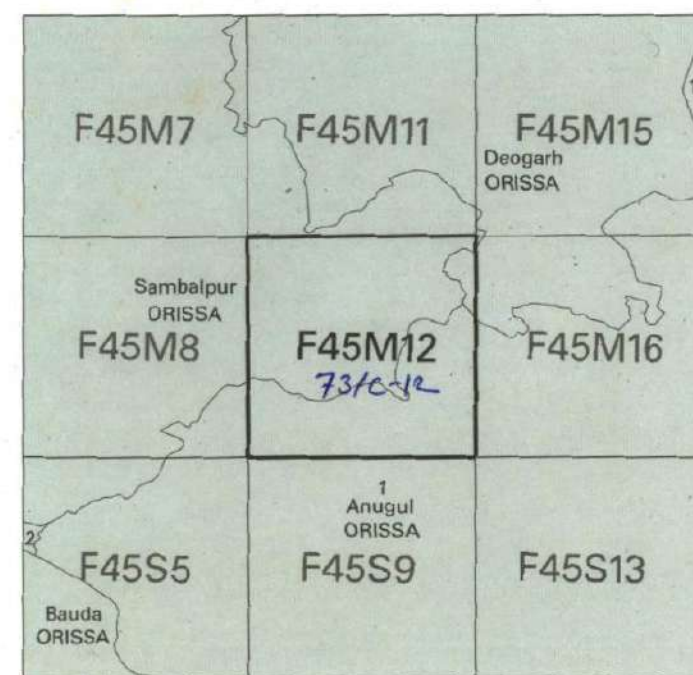


निर्वात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F45M12

Scale 1:50,000



2 Subarnapur, ORISSA.

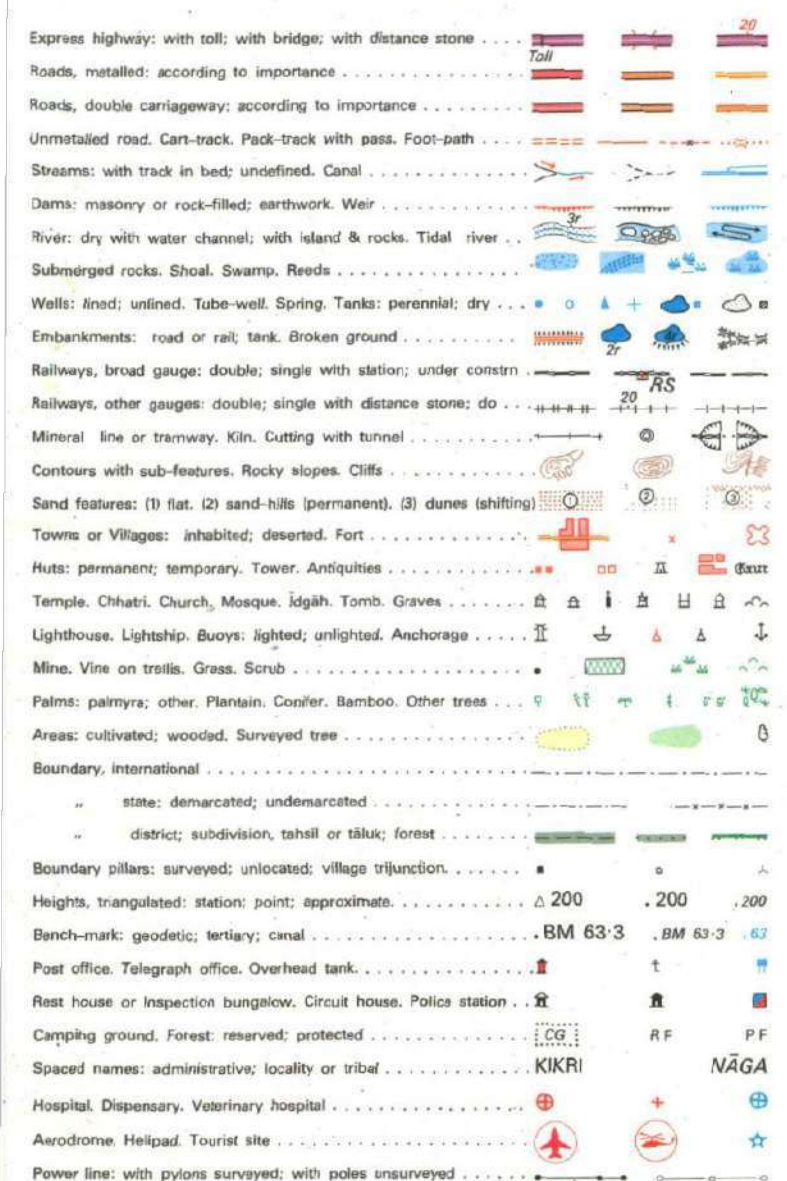
भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009.

प्रमाणित नं० 18/-

CONVENTIONAL SYMBOLS



REFERENCE

NH 42 National Highway No. 42.

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, Δ , represents the approximate height, in metres, between the top and bottom of a steep slope.
The district boundary between Deogarh District and Sambalpur District shown on this map has been upgraded from subdivision boundary between Deogarh Subdivision and Raibakul Subdivision as per the Gazette Notification, 1993 of Government of Orissa.
The editor boundaries of areas of Reserved or Protected Forests are shown by green ribbons.
Tanks, shown dry, in this area usually contain water from July to February.
Wells are numerous throughout the sheet, only important ones have been shown.
Hand Pump is shown thus.

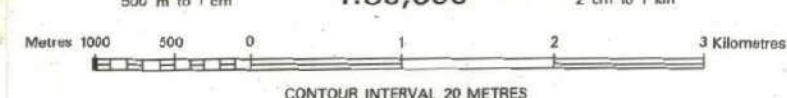
COMPILATION INDEX

A. Compiled from 1:25,000 maps, 2001-09.
गणेश्वर कंधपानी
मुख्य प्रबंधक (निर्माण)
गैल इंडिया लिमिटेड
भुवनेश्वर
G. KANDHAPANI
Chief Manager (Const.)
GAIL (India) Ltd.
Bhubaneswar

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{2}$ West in 2005.
(Annual change negligible).

1:50,000



CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

Director

Orissa Geo-Spatial Data Centre

Survey of India

Survey Bhawan, PO - R R Laboratory

Bhubaneswar.

Fax : 0674 - 2301418

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited
without the written permission of Survey of India, the
National Mapping Agency.



REG. No. 8230-SPG D/09 (Orissa GDC-130,000)-1013.

सर्वेक्षण के माध्यम से तैयार किया गया,
Published under the direction of Surveyor General of India.
Survey of India, Hathi Barkala Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand),
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.



निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F45M16

Scale 1:50,000



1 Dhankhal, ORISSA

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2011

PRICE ₹ 110/-

CONVENTIONAL SYMBOLS



REFERENCES

NH 200 National Highway No. 200. PWD Public Works Department.

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A. relative height, B. represents the approximate height, in metres, between the top and bottom of a steep slope.
Unimproved roads and cart-tracks in this sheet are motorable and passable in dry season respectively.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green islands.
Wells are numerous throughout the sheet, only the important ones have been shown.
Hand Pump is shown thus: [Symbol]

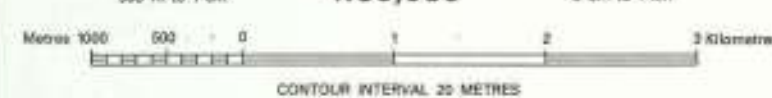
COMPILATION INDEX

A. Compiled from 1:25,000 scale maps. Updated for major details during 2005-06.
G. KANDHAPANI
मुख्य प्रबंधक (निर्माण)
गैल इण्डिया लिमिटेड
सुबेडायर
Chief Manager (Const.)
GAIL (India) Ltd.
Bhubaneswar

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 2° West in 2005.
(Annual change negligible).

1:50,000



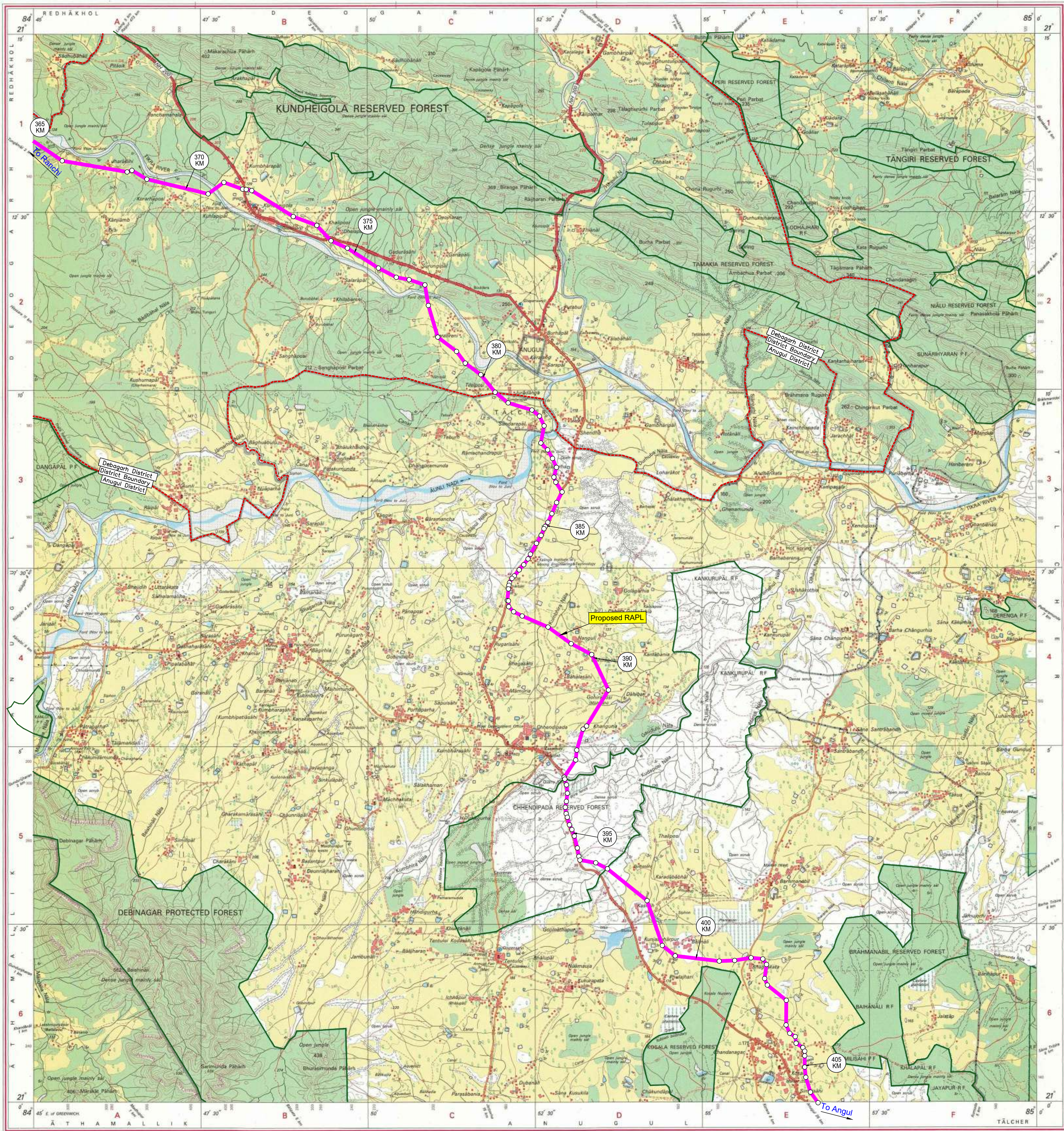
For further details about this map, please contact

Director
Orissa Geo-Spatial Data Centre
Survey of India
Survey Bhawan, PO - R R Laboratory
Bhubaneswar - 751013
Fax : 0674 - 2301418

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited
without the written permission of Survey of India, the
National Mapping Agency.

GOVERNMENT OF INDIA COPYRIGHT, 2011



REG. No. 9159 - P/D 11 (Orissa GDC-150,000-1015'15)

भारत के सर्वेक्षणकर्ता: डॉ. स्वर्ण सुब्बा राव, सर्वेक्षण के प्रमुख,
Published under the direction of Dr. Swarna Subba Rao, Surveyor General of India,
Survey of India, Haidibarkula Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand),
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA