

No. F45H8

Scale 1:50,000



1 Simdega, JHARKHAND.
2 Sundargarh, ORISSA.

Sheet No. 1

भारतीय सर्वेक्षण विभाग

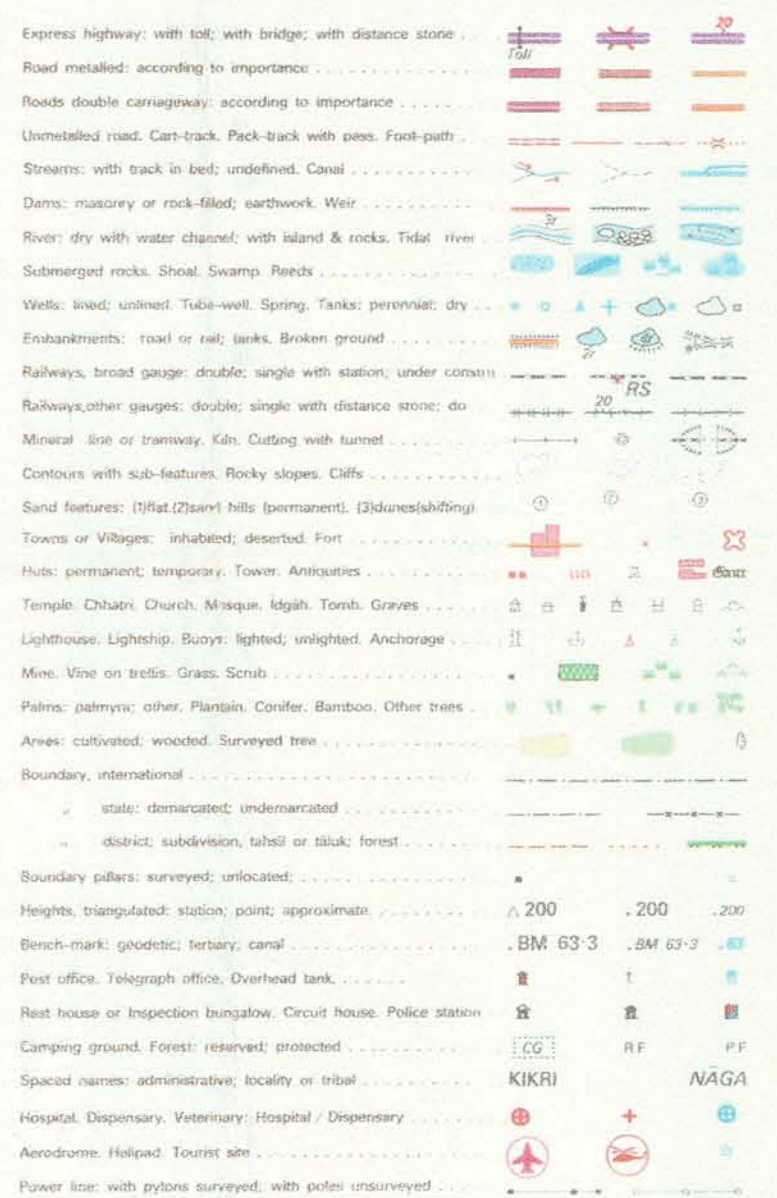
SURVEY OF INDIA

1st Edition 2009.

Advance Print Copy

PRICE ₹ 258/-

CONVENTIONAL SYMBOLS



Slurry Pipeline Route
from Barbil to Angul

REFERENCES

AMDC National Mineral Development Corporation.
P.W.D. Public Works Department.

1920 Tata Iron and Steel Company.
S.E.R. South Eastern Railway.

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Towns shown in this area usually contain water from July to December.
Unsettled roads and cart-tracks in this sheet are generally motorable in dry season.
A relative height, Δ , represents the approximate height, in metres, between the top and bottom of a steep slope.
The kilometre stone numbers along roads and railways are shown in slant type, e.g., 5, whereas milestone numbers are shown in upright type, e.g., 5.
The state boundary between Jharkhand and Orissa States has been surveyed as pointed out by the local officials on the ground but has not been verified by the Government concerned.
Reserved and Protected forest boundaries have been surveyed as pointed out by the local officials on the ground but have not been verified by the forest authorities concerned.
The exterior boundaries of areas of Reserved or Protected forests are shown by green bounds.

COMPILATION INDEX

A Surveyed during 1976-77. Updated for major details from satellite imagery of 2007 during 2008-09.

Projection - UTM Datum - WGS 84

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

1:50,000

500 m to 1 cm 2 cm to 1 km

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

Director

Jharkhand Geo-Spatial Data Centre

Survey of India, Dandara

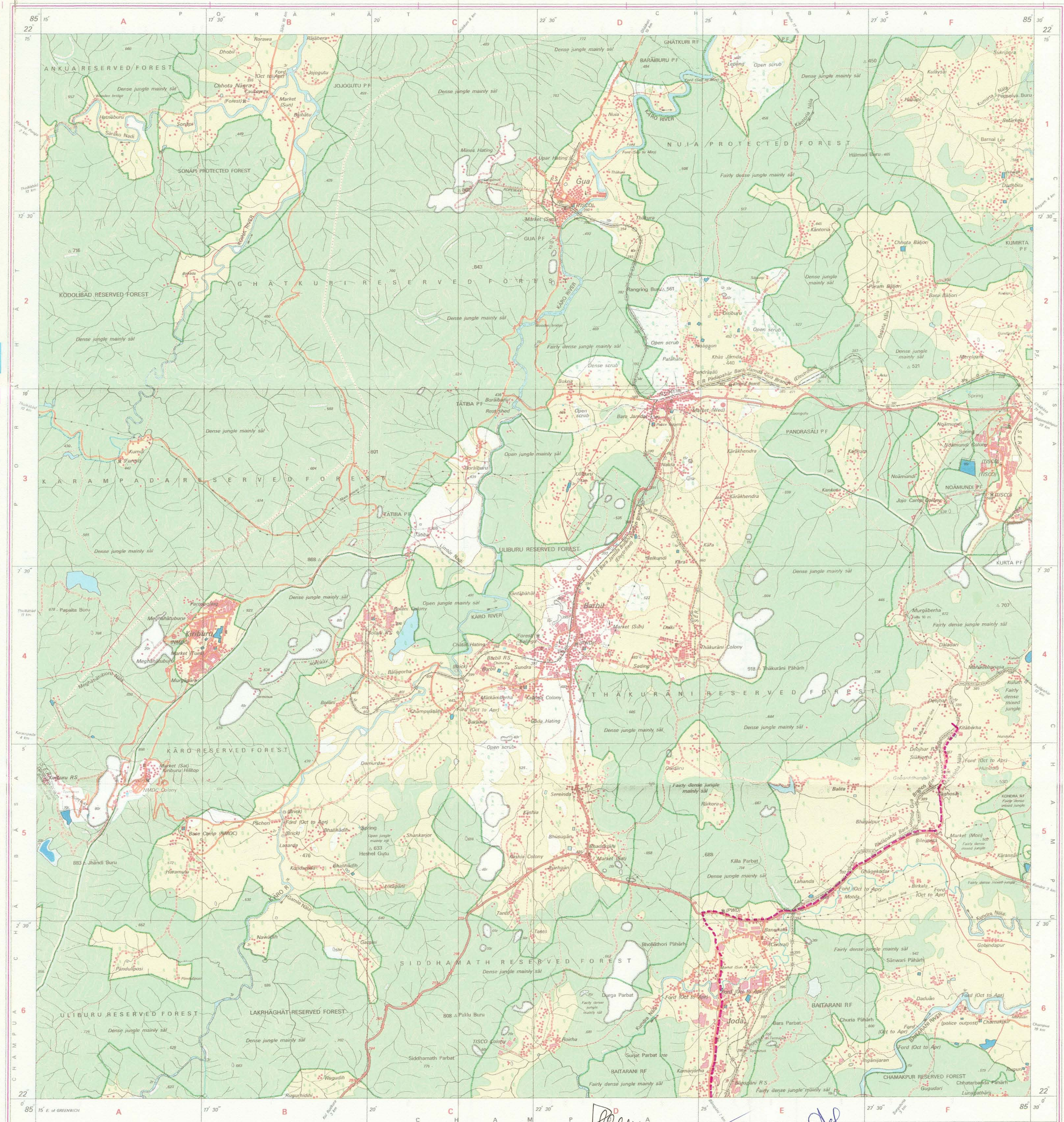
Ranchi - 834002.

Fax : 0651-2482789

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. - SPG. D 09, Lakshmi GDC 1:50,000

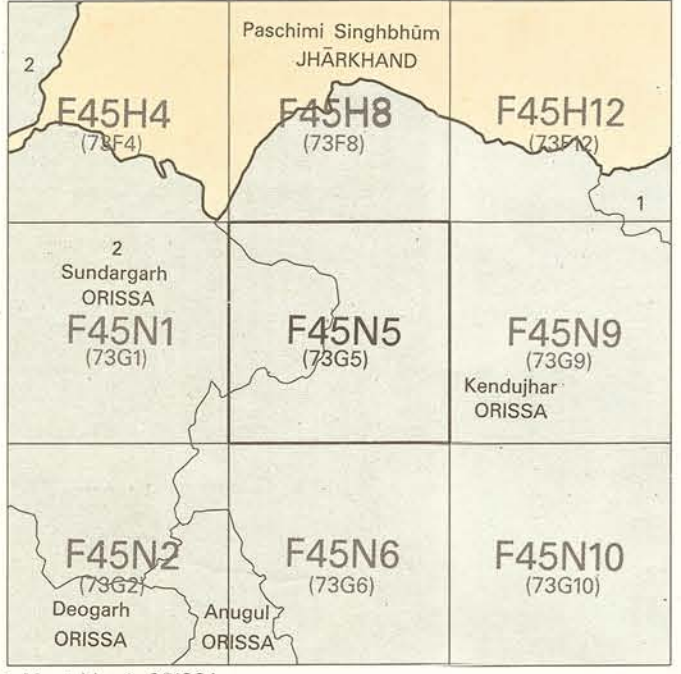
VC Forest Range Officer
Chamla Range
Barbil Range

Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.

No. F45N5

Scale 1:50,000



Sheet No. 2

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009.



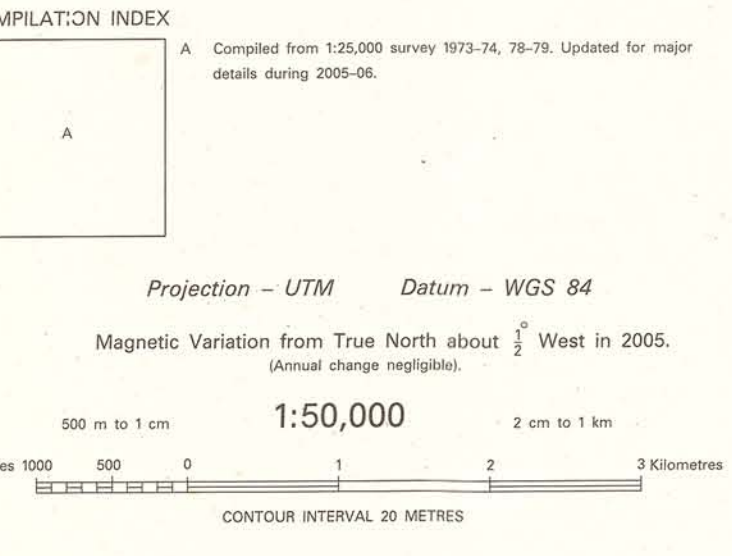
Slurry Pipeline Route from Barbil to Angul

REFERENCES

NH 215 National Highway No. 215. SER South Eastern Railway.

NOTES

Heights are in metres and above Indian mean sea level. Contours are approximate. A relative height, h_r, represents the approximate height, in metres, between the top and bottom of a steep slope. The sector boundaries of areas of Reserved or Protected Forests are shown by green ribands. The district and 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 District authorities. The reserved forest boundary of Khajurahi Reserved Forest in squares A/4 & 5 has been taken from Forest maps. Hand Pump is shown thus: $H.P.$

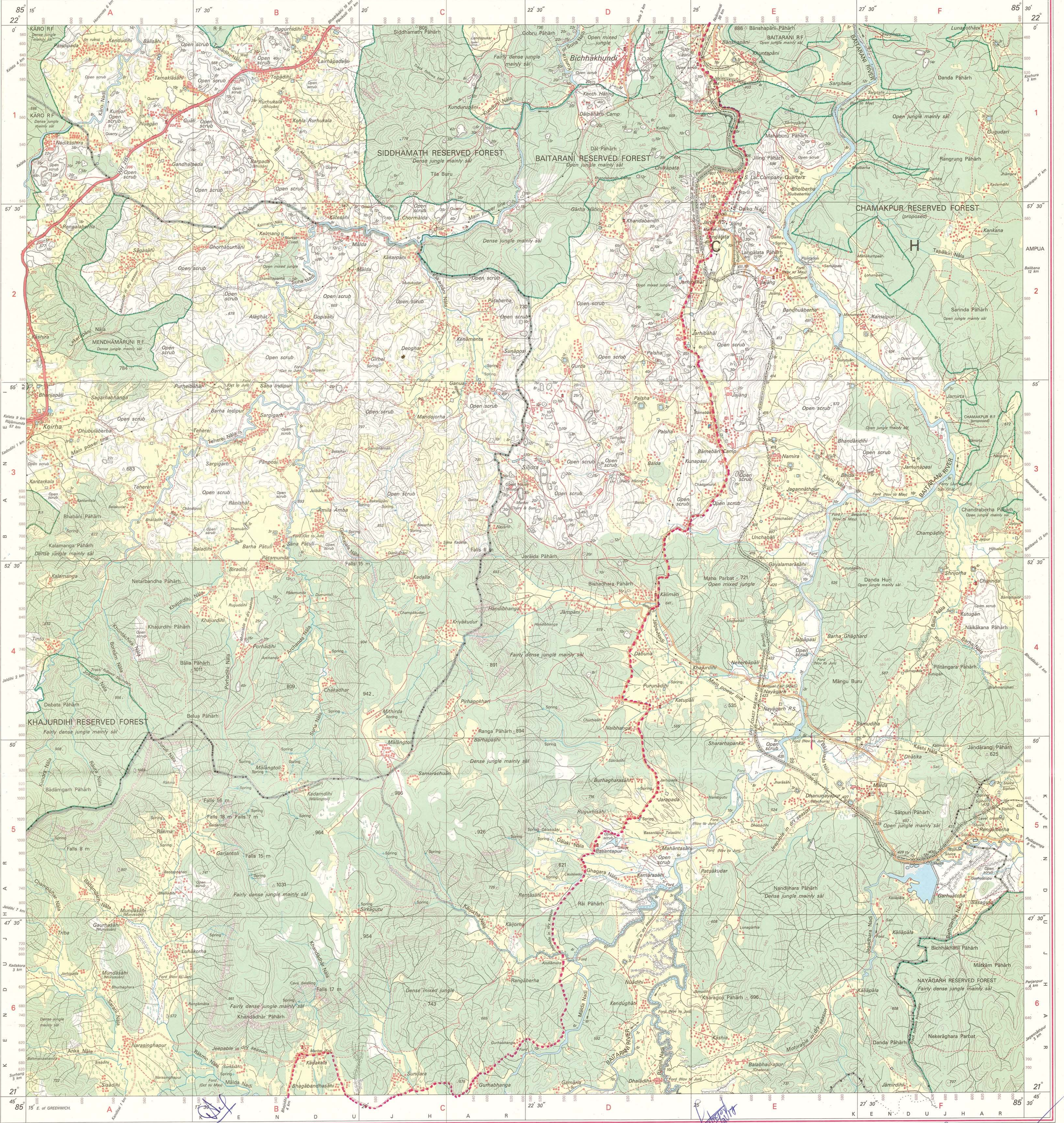


For further details about this map, please contact

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.



REG. No. 8253-SFG D/09 (Orissa GDC-1:50,000-10:15)

Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

Forest Range Officer
Champura Range

भारत के महासर्वेक्षक के निदेशानुसार प्रकाशित,
Published under the direction of Surveyor General of India,
Survey of India, Hishibarkala Estate, Post Box No. 37, Dehra Dun-248001 (Uttarakhand),
Department of Science & Technology, Government of India.

Range Officer
B.J.P. Range

TAHASILDAR
BANSAL

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.

TAHASILDAR
JHUMPURA

TAHASILDAR
BARBIL

No. F45N6

Scale 1:50,000

F45N1 (73G/1) Sundargarh ORISSA	F45N5 (73G/5)	F45N9 (73G/9)
F45N2 (73G/2) Deogarh ORISSA	F45N6 (73G/6) Kendujhar ORISSA	F45N10 (73G/10)
F45N3 (73G/3) Angul ORISSA	F45N7 (73G/7)	F45N11 (73G/11)

1 Mayurbhanj, ORISSA.

Sheet No. 3

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009.

Price : Rs. 50 / -

CONVENTIONAL SYMBOLS



Slurry Pipeline Route from Barbil to Angul

REFERENCE

NH 6 National Highway No. 6.

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 triangulated heights and contours, in this sheet, have not been adjusted to the heights of the spirit-levelled bench-marks, and may not be strictly in accordance with them.
Unmetalled roads, in this sheet, are generally motorable in dry season.
Important buildings are shown in black.
Hand Pump is shown thus:

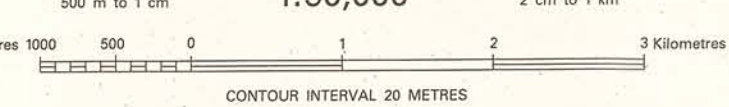
COMPILATION INDEX

A	Compiled from 1:25,000 survey 1978-79. Updated for major details during 2005-06.
---	--

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

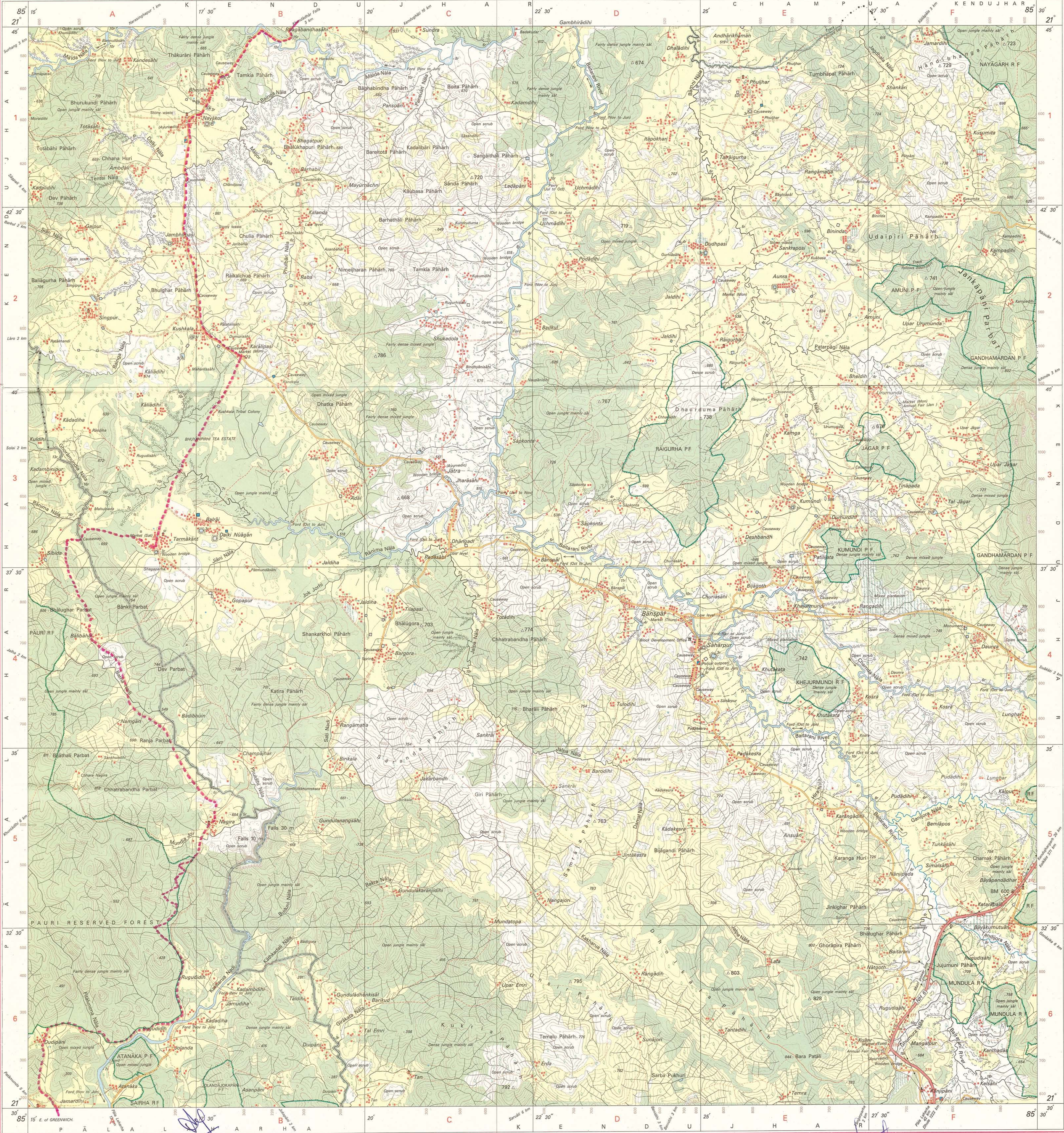
Bhubaneswar 751013.

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, 2009.



REG. No. B416-SPG D 09 (Orissa GDC-1:50,000)-1015.

Authorised Signatory
Anurag Tripathy
AGM-Slurry Pipeline Project
Jindal Steel & Power Limited
Angul Odisha

भारत के महासर्वेक्षक के निदेशानुसार प्रकाशित,
Published under the direction of Surveyor General of India,
Survey of India, Hattibarkala Estate, Post Box No. 37, Dehra Dun-248001 (Uttarakhand),
Department of Science & Technology, Government of India.

TAKASILDAR
BANSAL

Range Officer
B.J.P. Range

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.