

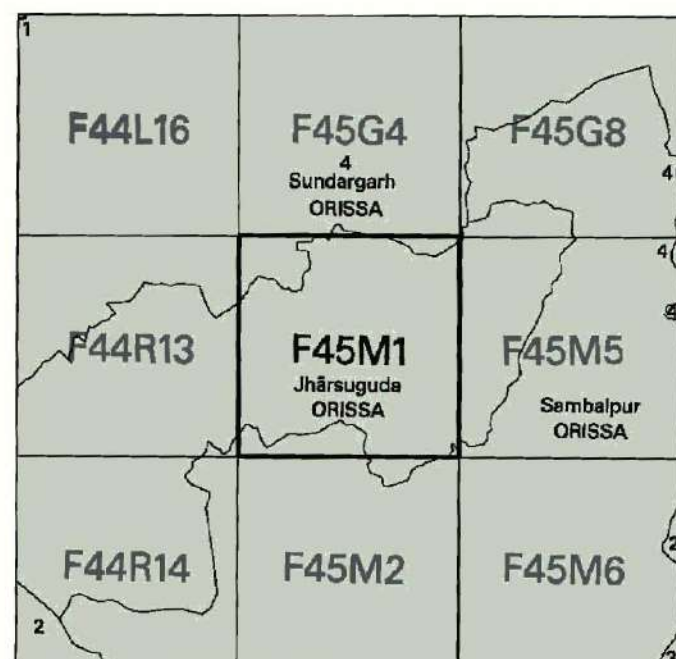


निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES  
MAP

No. F45M1

Scale 1:50,000



1 Raigarh, CHHATTISGARH.  
2 Baragurh, ORISSA.  
3 Deogarh, ORISSA.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2008.

Price : Rs. 50/-

#### CONVENTIONAL SYMBOLS

- Express highway: with toll; with bridge; with distance stone  
Roads, metalled: according to importance  
Roads, double cartways: according to importance  
Unmetalled road: Cart-track: Path-track with name: Foot-path  
Stream: with track in bed: unfordable: Canal  
Dam: masonry or rock-filled: earthwork: Wall  
River: dry with water channel: with island & rock: Tidal river  
Submerged rocks: Shoal: Swampy: Head  
Water: fresh: salt: Tidal: Spring: Tarn: pond: dry  
Embankment: road or rail: track: Broken ground  
Railways: broad gauge: double: single with station: under construction  
Railways: other gauges: double: single with distance stone: do  
Mineral line or tramway: K.M. Cutting with tunnel  
Contours with sub-features: Rocky slopes: Cliffs  
Sand features: (flat: dune: hills: permanent): (dune: shifting)  
Towns or Villages: inhabited: deserted: Fort  
Hut: permanent: temporary: Tower: Antiquities: do  
Temple: Chhatra: Church: Mosque: Idgh: Tomb: Grave  
Lighthouse: Lightship: Buoy: lighted: unlighted: Anchorage  
Mine: Vite on trellis: Grass: Scrub  
Prime: palm: other: Plane: Conifer: Bamboo: Other trees  
Areas: cultivated: wooded: Surveyed tree  
Boundary: international  
state: demarcated: under-constructed  
district: subdivision: taluk or block: forest  
Boundary pillars: surveyed: unlocated: village: trig-station  
Height: triangulation: station: point: approximate  
Bench-mark: geodetic: tertiary: local  
Post office: Telegraph office: Overhead tank  
Rest house or inspection bungalow: Circuit house: Police station  
Camping ground: Forest reserved: protected  
Special names: administrative: locality or tribal  
Hospital: Dispensary: Veterinary hospital  
Aerodrome: Helipad: Tourist site  
Power line: with pylons surveyed: with poles unsurveyed

#### REFERENCES

NH 200 National Highway No. 200. PWD Public Works Department.  
PWC Primary Health Centre.

#### NOTES :-

Heights are in metres and above Indian mean sea level.  
Contours are approximate.  
A relative height,  $\Delta$ , represents the approximate height, in metres, between the top and bottom of the same slope.  
The administrative boundary between Jharsuguda and Sambalpur Subdivisions has been upgraded to district boundary as per the information provided in the Gazette Notification, 1993 of Government of Orissa.  
The triangulation 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.  
Tanks, shown dry, in this area usually contain water from July to December.  
Unmetalled roads and cart-roads in this sheet are generally metalled in dry season.  
Hand Pump is shown thus:

#### COMPILATION INDEX

A. Compiled from 1:25,000 survey 1961-62.

Updated for major details during 2003-04 गणेश्वर कंधपानी

मुख्य प्रबंधक (फॉर्मल)

पुनः इलेक्ट्रॉनिक लिमिटेड

भुवनेश्वर

G. KANDHAPANI

Chief Manager (Const.)

GAAIL (India) Ltd.

Bhubaneswar

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about  $\frac{1}{2}^{\circ}$  West in 2005.

(Decreasing by about  $1'$  annually).

1:50,000

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 10 METRES

For further details about the map, please contact

Director

Orissa Geo-Spatial Data Centre

Survey of India

Survey Bhawan, PO - R R Laboratory

Bhubaneswar.

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OPEN SERIES  
MAP

No. F45M5

Scale 1:50,000

|                                          |                                         |                                         |
|------------------------------------------|-----------------------------------------|-----------------------------------------|
| F45G4<br>(73B/4)                         | F45G8<br>(73B/8)                        | F45G12<br>(73B/12)                      |
| F45M1<br>(73C/1)<br>Jharsuguda<br>ORISSA | F45M5<br>(73C/5)<br>Sambalpur<br>ORISSA | F45M9<br>(73C/9)                        |
| F45M2<br>(73C/2)                         | F45M6<br>(73C/6)                        | F45M10<br>(73C/10)<br>Deogarh<br>ORISSA |

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2008.

Price : Rs. 60/-

#### CONVENTIONAL SYMBOLS

|                                                                   |     |     |
|-------------------------------------------------------------------|-----|-----|
| Roads, metalled: according to importance                          | ... | ... |
| Roads, double cartway, according to importance                    | ... | ... |
| Unmetalled road, Cart-track, Pack-track with pass, Foot-path      | ... | ... |
| Streets: with track in bed, unmetalled, Canal                     | ... | ... |
| Dam: masonry or rock-filled, earthwork, Weir                      | ... | ... |
| River: dry with water channel, with island & rocks, Tidal, river  | ... | ... |
| Submerged rocks, Shoal, Swamp, flood                              | ... | ... |
| Well: fixed, unlined, Tube well, Spring, Tank, perennial, dry     | ... | ... |
| Entertainment: road or rail, tank, broken ground                  | ... | ... |
| Railways, broad gauge: double, single with distance station, 60"  | ... | ... |
| Railways, other gauges: double, single with distance station, 60" | ... | ... |
| Mineral: line or tramway, Kite, Cutting with tunnel               | ... | ... |
| Contours with sub-features: Rocky slopes, Cliff                   | ... | ... |
| Sand features: (1) flat, (2) sand-hill (dune), (3) dunes (hill)   | ... | ... |
| Towns or Villages: inhabited, deserted, Fort                      | ... | ... |
| Hole: permanent, temporary, Tower, Antenna                        | ... | ... |
| Temple, Chhatra, Church, Mosque, Light, Tomb, Gown                | ... | ... |
| Lighthouse, Lightship, Buoy: lighted, unlighted, Anchor           | ... | ... |
| Mine: Vise on surface, Gase, Scrub                                | ... | ... |
| Palms: palm, other, Plantain, Conifer, Bamboo, Other trees        | ... | ... |
| Areas: cultivated, wooded, Surveyed tree                          | ... | ... |
| Boundary: international                                           | ... | ... |
| State: demarcated, undemarcated                                   | ... | ... |
| District: subdivision, small or little forest                     | ... | ... |
| Boundary: P.W.D. surveyed, unlocated                              | ... | ... |
| Height: triangulated, station, peak, approximate                  | ... | ... |
| Bench-mark: geodetic, tertiary, aneroid                           | ... | ... |
| Post office, Telegraph office, Overhead tank                      | ... | ... |
| Rest house or inspection bungalow, Circuit house, Police station  | ... | ... |
| Camping ground, Forest: reserved, protected                       | ... | ... |
| Spaced names: administrative, locality or tribal                  | ... | ... |
| Hospital, Dispensary, Veterinary Hospital / Dispensary            | ... | ... |
| Aerodrome, Heliport, Tourist site                                 | ... | ... |
| Power line: with pylons surveyed, with poles unsurveyed           | ... | ... |

#### REFERENCES

NY 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, or, 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. The administrative boundaries have been surveyed as pointed out by the local officials on the ground, but have not been verified by the District authorities. The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribbons. Towns, shown dry, in this area usually contain water from July to December. Hand pump is shown thus: ...

#### COMPILED INDEX

A. Compiled from 1:25,000 survey 1981-82. Updated for major details during 2003-04. गणेश्वर केन्द्रीय सर्वेक्षण विभाग (सर्वेक्षण) गैल इंडिया लिमिटेड भुवनेश्वर G. KANDHAPANI Chief Manager (Const.) GAIL (India) Ltd. Bhubaneswar

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/2° West in 2005. (Decreasing by about 1' annually).

1:50,000

Scale 1:50,000

CONTOUR INTERVAL: 10 METRES

For further details about this map, please contact

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Orissa Geo-Spatial Data Centre

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