निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F45H8

F45H3 (73F/3)	F45H7 (73F/7) Pashchimi Singhbhūm JHĀRKHAND	F45H11 (73F/11)
F45H4 (73F/4)	F45H8 (73F/8) Kendujhar ORISSA	F45H12 (73F/12)
Sundergarh ORISSA F45N1 (73G/1)	F45N5 (73G/5)	F45N9 (73G/9)

1 Simdega, JHĀRKHAND.
2 Mayūrbhanj, ORISSA.

No. F45N5

F45H4 (73F4)	Paschimi Singhbhūm JHĀRKHAND F45H8 (73F8)	F45H12 (73F12)
Sundergarh ORISSA F45N1 (73G1)	F45N5 (73G5)	F45N9 (73G9) Kendujhar ORISSA
F45N2 (73G2) Deogarh ORISSA	F45N6 (73G6) Angul ORISSA	F45N10 (73G10)

1 Mayūrbhanj, ORISSA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010. Price : Rs. 50/–

CONVENTIONAL SYMBOLS

Express highway: with toll; with bridge; with distance stone ..... Toll
Road metalled: according to importance .....
Roads double carriageway: according to importance .....
Unmetalled road. Cart-track. Pack-track with pass. Foot-path .....
Streams: with track in bed; undefined. Canal .....
Dams: masonry or rock-filled; earthwork. Weir .....
River: dry with water channel; with island & rocks. Tidal river .....
Submerged rocks. Shoal. Swamp. Reeds .....
Wells: lined; unlined. Tube-well. Spring. Tanks: perennial; dry .....
Embankments: road or rail; tanks. Broken ground .....
Railways, broad gauge: double; single with station; under constrn ..... RS
Railways,other gauges: double; single with distance stone; do .....
Mineral line or tramway. Kiln. Cutting with tunnel .....
Contours with sub-features. Rocky slopes. Cliffs .....
Sand features: (flat,(2)sand-hills (permanent). (3)dunes(shifting) .....
Towns or Villages: inhabited; deserted. Fort .....
Huts: permanent; temporary. Tower. Antiquities ..... Obsr
Temple. Chhitri. Church. Mosque. Idgāh. Tomb. Graves .....
Lighthouse. Lightship. Buoys: lighted; unlighted. Anchorage .....
Mine. Vine on trellis. Grass. Scrub .....
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees .....
Areas: cultivated; wooded. Surveyed tree .....
Boundary, international .....
" state: demarcated; undemarcated .....
" district; subdivision, tahsil or tāluk; forest .....
Boundary pillars: surveyed; unlocated; .....
Heights, triangulated: station; point; approximate. △ 200 .200 .200
Bench-mark: geodetic; tertiary; canal ..... BM 63·3 .BM 63·3
Post office. Telegraph office. Overhead tank. .....
Rest house or Inspection bungalow. Circuit house. Police station ..... PB
Camping ground. Forest: reserved; protected ..... CG RF PF
Spaced names: administrative; locality or tribal ..... KIKRI NĀGA
Hospital. Dispensary. Veterinary: Hospital / Dispensary .....
Aerodrome. Heliped. Tourist site .....
Power line: with pylons surveyed; with poles unsurveyed .....

REFERENCES

NMDC National Mineral Development Corporation.
PWD Public Works Department.
TISCO 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.
A relative height, R, 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 Governments 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 ribands.

COMPILATION INDEX

A

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 1° West in 2005.
(Decreasing by about 1′ annually).

500 m to 1 cm 1:50,000 2 cm to 1 km

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
Director
Jhārkhand Geo-Spatial Data Centre
Survey of India, Doranda
Rānchi – 834002.
Fax : 0651– 2482789

F45H8

F45N5

Utility Corridor over 17.836 hect. Forest land for Khondbond Project of M/s Tata Steel Ltd.