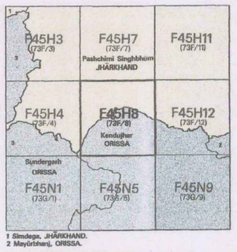
निर्यात के लिए नहीं NOT FOR EXPORT

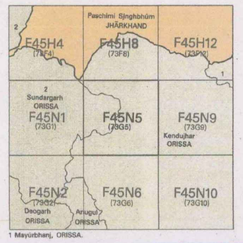
OPEN SERIES MAP

No. F45H8



1 Simdega, JHARKHAND.
2 Mayurbhanj, ORISSA.

No. F45N5



1 Mayurbhanj, ORISSA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010. Price : Rs. 50/-

CONVENTIONAL SYMBOLS

Express highway: with toll; with bridge; with distance stone
Road metalled: according to importance
Route 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 earth-filled, earthwork, Weir
River: dry with winter channel; with island & rocks, Tidal river
Submerged rocks, Shoal, Swamp, Reeds
Wells: lined; outlined, Tube-well, Spring, Tanks: perennial; dry
Embankments: road or rail; tanks, Broken ground
Railways, broad gauge: double; single with station; under construction
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: (Rha,Dhand-hills (permanent), (Dj)unes(shifting))
Towns or Villages: inhabited; deserted, Fort
Huts: permanent; temporary, Tower, Antiquities
Temples, Chhatri, Church, Mosque, Idgah, Tomb, Graves
Lighthouse, Lighship, Beacon: 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, tehsil or thiki; forest
Boundary pillars: surveyed; unsurveyed
Heights, triangulated: station; point; approximate
Bench-mark: geodetic; tertiary; zonal
Post office, Telegraph office, Overhead tank
Rest house or Inspection bungalow, Circuit house, Police station
Camping ground, Forest: reserved; protected
Spared names: administrative; locality or tribal
Hospital, Dispensary, Veterinary: Hospital / Dispensary
Aerodrome, Heliport, 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 show 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. 7.
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 shands.

COMPILATION INDEX

A. Surveyed during 1970 - 71. Updated for major details from satellite imagery of 2007 during 2009-09.

Projection – UTM Datum – WGS 84

Magnetic Variation from True North about ½° West in 2005. (Decreasing by about 1' annually).

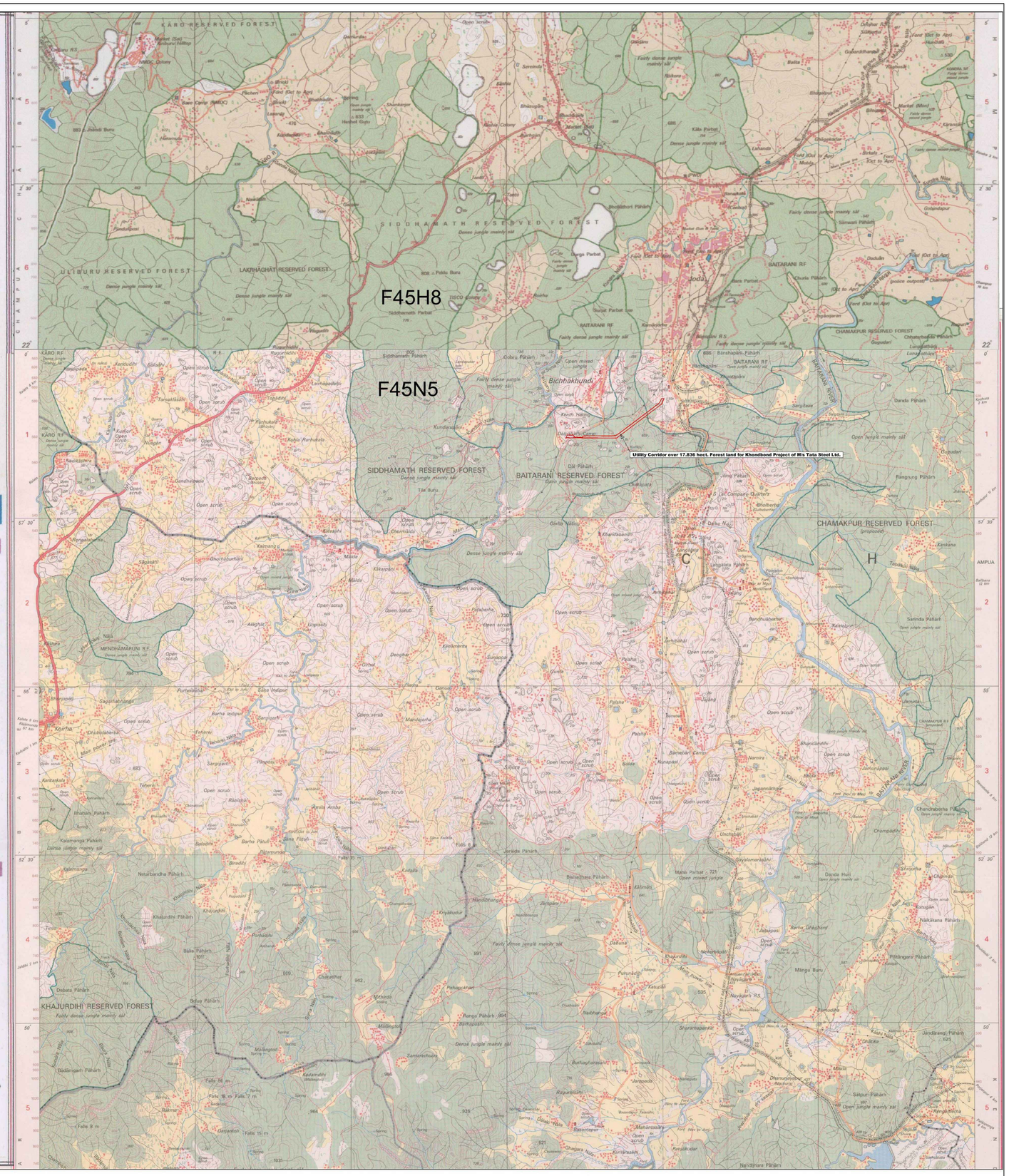
1:50,000

500 m to 1 cm 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
Jharkhand Geo-Spatial Data Centre
Survey of India, Doranda
Ranchi – 834002.
Fax : 0651- 2482789



FOR TATA STEEL LTD.
By their Constituted Attorney
(GANESH PRASAD SAHU)
Head (Ferro Alloys Production)
Ferro Alloys & Minerals Divisio