

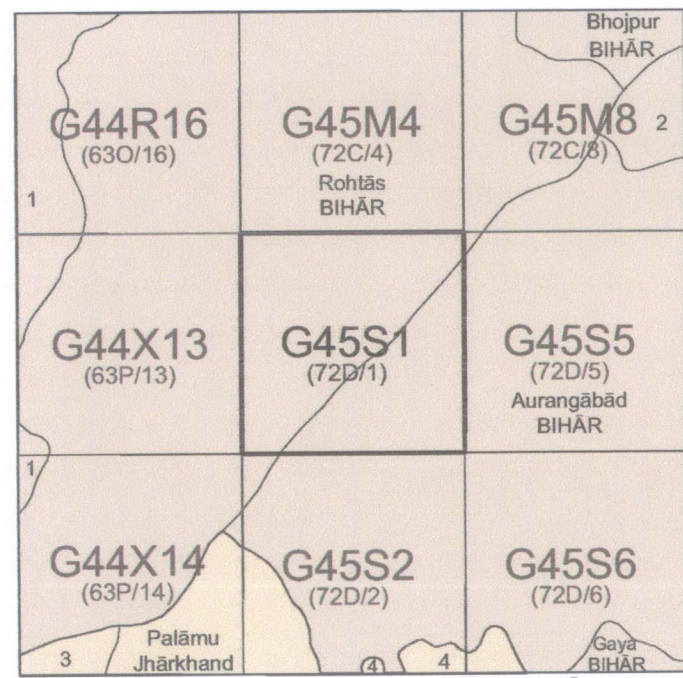


निर्गत के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. G45S1

Scale 1:50,000



1 Bhabua, BIHAR  
2 Arwal, BIHAR  
3 Garwa, JHARKHAND  
4 Palamu, JHARKHAND

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

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

CONVENTIONAL SYMBOLS

- Express highway with toll; with bridge; with distance stone
Roads, metalled; according to importance
Roads, double cartway; 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. Tank: perennial; dry.
Embankments: road or rail; tank. Broken ground.
Railways, broad gauge; double; single with station; under constn.
Railways, other gauges; double; single with distance stone; do.
Mineral line or tramway. Kdn. Cutting with tunnel.
Contours with sub-features. Rocky slopes. Cliffs.
Sand features: (1) flat. (2) Jaan-hills(permanent). (3) Dunes(shifting).
Towns or Villages: inhabited; deserted. Fort.
Huts: permanent; temporary. Tower. Antiquities.
Temple. Chattri. Church. Mosque. Idgah. 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 siluk; forest.
Boundary pillars: surveyed; unlocated.
Heights, triangulated; station; point; approximate.
Benchmark: geodetic; tertiary; canal.
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. Helipad. Tourist site.
Power line with pylons surveyed; with poles unsurveyed.

REFERENCES

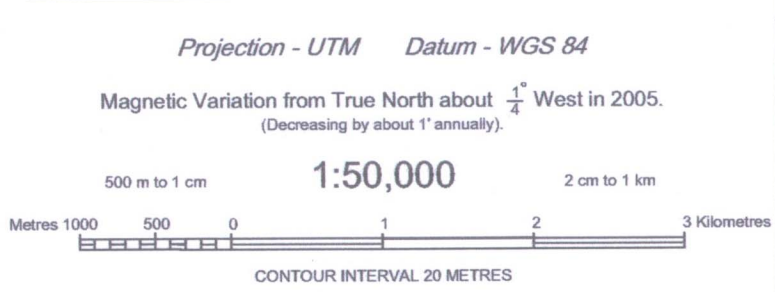
NH 2 National Highway No. 2 BDO Block Development Office

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g., &lt;math>R</math>, represents the approximate height, in metres, between the top and bottom of a steep slope.
The triangulated &lt;math>T</math> and traverse heights and contours in this sheet have not been adjusted to the heights of the spot-levelled benchmarks and may not be strictly in accordance with them.
The kilometre stone numbers along the railway are shown in slant type, e.g., '5' whereas milestone numbers are shown in upright type, e.g., '5'.
A relative height, e.g., &lt;math>R</math>, marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.
Cart-tracks and unmetalled roads in this sheet are generally motorable in dry season.
Tanks, shown dry, in this area usually contain water from July to March.
The area adjoining the Son River is liable to change owing to continual fluctuation in the course of the river.

COMPILATION INDEX

A. Surveyed during 1974-75. Updated for major details during 2006-07.



Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1/2 West in 2005.
(Decreasing by about 1' annually).

For further details about this map, please contact
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