

सर्वेक्षण नकाशा *NOT FOR EXPORT*

OPEN SERIES MAP

No. G45T3

Scale 1:50,000

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 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; tank, Broken ground			
Railways, broad gauge: double, single with station; under constr			
Railways, other gauges: double, single with distance stone, do			
Mineral line or tramway, Kilm. Cutting with tunnel,			
Contours with sub-features, Rocky slopes, Cliffs			
Sand features (Tidal, (Grazed hills) permanent), (3) dunes (shifting)			
Towns or Villages: inhabited, deserted, Fort,			
Huts, permanent, temporary, Tower, Antiquities			
Temple, Chhatra, Church, Mosque, Gāth, Tomb, Graves,			
Lighthouse, Lightship, Buoy: lighted, unlighted, Anchorages			
Mine: vein on hill, Grass, Scrub			
Palm: palmyra, other, Plantain, Conifer, Bamboo, Other trees			
Areas: cultivated, wooded, Surveyed tree			
Boundary, international			
state demarcated, undemarcated,			
district subdivision, tahsil or taluk, forest			
Boundary pillars: surveyed, unlocated			
Heights, triangulated: station; point, approximate			
Bench-mark: geodetic, levelling, canal			
Post office, Telegraph office: Overhead tank			
Rest house or inspection bungalow, Chout house, Police station			
Camping ground, Forest: reserve; protected			
Spaced names: administrative, locality or tribal			
Hospital, Dispensary, Veterinary: Hospital / Dispensary			
Aerodrome, Helipad, Tourist site			
Power line, with pylons surveyed; with poles unsurveyed			

REFERENCE
NH 2 National Highway No. 2

NOTES -

Contours are approximate.
Heights are in metres and above Indian mean sea level.
A relative height, *h*, 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 height of the spirit-levelled bench-marks and may not be strictly in accordance with them.
The kilometre stone numbers along roads are shown in slant type, e.g., '5' whereas milestone numbers are shown in upright type, e.g., '5'.
Cart tracks along canals are feasible in dry season. Permission to use these is required from the authorities.
Rivers and united wells exist throughout the cultivated portions of this sheet only the important ones have been shown.
Cultivation is perennial and dependent on rainfall.
COMBINATION INDEX

Legend

Proposed_Road_HazWild_Division

Proposed_Road_Haz_WestDiv

Projection - UTM Datum - WGS 84

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

1:50,000

500 m to 1 cm 2 cm to 1 km 3 Kilometres

Metre 1000 9 1 2 3

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
Director
Bihar Geo-Spatial Data Centre



1:50,000



निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. G45T7

Scale 1:50,000

<p>Gaya BIHAR</p> <p>G45T2 (72H/2)</p>	<p>Nawāda BIHAR</p> <p>G45T6 (72H/6)</p>	<p>G45T10 (72H/10)</p>
<p>G45T3 (72H/3)</p>	<p>G45T7 (72H/7)</p>	<p>Kodama JHARKHAND</p> <p>G45T11 (72H/11)</p>
<p>Chatra JHARKHAND</p> <p>G45T4 (72H/4)</p>	<p>Hazārdinā JHARKHAND</p> <p>G45T8 (72H/8)</p>	<p>G45T12 (72H/12)</p>

1 Giridih, JHARKHAND.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009

Price : Rs. 50/-

CONVENTIONAL SYMBOLS

- Express highway, with toll, with bridge, with distance stone
- Roads, marked according to importance
- Roads, double arrangement, according to importance
- Unmarked road, dirt-track, back-track with pass, foot-path
- Streamline, with track in both ends and line, General
- Dams, masonry or rock-work, with lock-work
- River, dry with water channel, with sand & rocks, Tidal river
- Submerged rocks, Shoal, Shallow, Reeds
- Wells, in line, unlined, Tube Wells, in Park, Terrace, dry
- Embankments, road or rail, track, bare ground
- Railways, broad gauge, double, single, with station, under construction
- Railways, other gauge, double, single, with distance stone, etc.
- Military line or railway, line, Cutting with trench
- Fortification with sub-basins, Rocky slopes, General
- Sand features (Hill, Zoroichi, etc.) permanent or transitory
- Towers or Villages, inhabited, deserted, Fort
- Hubs, permanent, temporary, Tower, Ambulances
- Temple, Zhihiat Church, Mosque, Loggia, Tomb, Shrine
- Lighthouses, Lighthouse, Beacon, Lighted, unlighted, Anemometer
- Power line or cable, Gas, Scrub
- Palms, palms, other Plantain, Cinnamon, Bamboo, Other trees
- Arise, cultivated, wooded, Surveyed trees
- Boundary, international
- State, demarcated, undemarcated
- District, subdivision, town or village, forest
- Boundaries, plains, surveyed, uncoloured
- Height, (uncoloured) station, point, approximate
- Bench mark, geodetic, tertiary, exact
- Post office, Telegraph office, Overland link
- Rest house or inspection bungalow, Court, House, Police station
- Camping ground, Forest, reserved, protected
- Speed limit, administrative, locality or tribal
- Hospital, Dispensary, Veterinary, Hospital / Dispensary
- Aerodrome, Heliport, Tourist site
- Power line, with pylons, surveyed, with poles unsurveyed

REFERENCE

AR 33 National highway No. 33

NOTES :-

Heights are in metres and above Indian mean sea level.

Consider now a cross-section

A relative height, H_r , is present; the approximate height, in metres, between the top and bottom of a steep slope.

The triangulated heights and contours in the sheet have not been adjusted to the heights of the spirit-levelled bench-marks and may not be accurate in accordance with them.

A relative height, e.g., R_1 marked along a contour, indicates the height of the top of the contour measured above the adjacent contour.

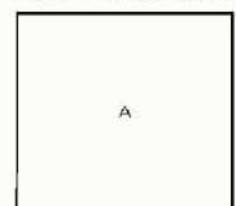
It will be seen, however, throughout the sheet, that the important ones have been shown.

Unadjusted data in this sheet are generally not available in dry season.

Tanks, shown dry, in the area usually contain water from July to February.

Lege

Proposed_Road_Haz_WestDiv



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.

1:50,000

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CONTOUR INTERVAL 30 METRES

COUNTDOWN INTERVAL 20 METRES

