

|                     |                     |                    |
|---------------------|---------------------|--------------------|
| G45S5<br>(72D/5)    | G45S9<br>(72D/9)    | G45S13<br>(72D/13) |
| Aurangabad<br>BIHAR | G45S10<br>(72D/10)  | Gaya<br>BIHAR      |
| G45S6<br>(72D/6)    |                     | G45S14<br>(72D/14) |
| G45S7<br>(72D/7)    | G45S11<br>(72D/11)  | G45S15<br>(72D/15) |
| Palamu<br>JHARKHAND | Chatra<br>JHARKHAND |                    |

1 Rohās, BIHAR.  
2 Jāhānābād, BIHAR.

**भारतीय सर्वेक्षण विभाग** SURVEY OF INDIA

1st Edition 2009. 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: Tanks: perennial; dry        |  |  |  |
| Embankments: road or rail: Broken ground                               |  |  |  |
| Railways: broad gauge: double; single with distance stone; do.         |  |  |  |
| Railways, other gauges: double; single with distance stone; do.        |  |  |  |
| Mineral line or tramway: Kin. Cutting with tunnel                      |  |  |  |
| Contours with sub-features: Rocky slopes: Cliffs                       |  |  |  |
| Sand features: (1) flat, (2) sand-hills(permanent), (3) dunes(sifting) |  |  |  |
| Towns or Villages: inhabited; deserted: Fort                           |  |  |  |
| Huts: permanent; temporary: Tower: Antiquities                         |  |  |  |
| Temple: Chhatti: Church: Mosque: Idgah: Tomb: Graves                   |  |  |  |
| Lighthouse: Lightship: Buoys: lighted; unlighted: Anchorage            |  |  |  |
| Mine: Vine on trellis: Grass: Scrub                                    |  |  |  |
| Plains: 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; 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 PWD Public Works Department.

**NOTES**

Heights are in metres and above Indian mean sea level.

Contours are approximate.

A relative height, e.g., 5r, represents the approximate height, in metres, between the top and bottom of a steep slope.

Cart-tracks and unmetalled roads are generally motorable in dry season. Permission to use those along canals and in forest areas is required from the Irrigation and Forest authorities respectively.

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 kilometre stone numbers along the railway are shown in slant type, e.g., 's' whereas milestone numbers are shown in upright type, e.g., '15'.

A relative height, e.g., 5r, marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.

Names of Protected Forests falling in this sheet have not been shown for want of reliable information. Numerous wells exist throughout the cultivated portions of this sheet; only the important ones have been shown.

Tanks, shown dry, in this area usually contain water from July to March.

**COMPILATION INDEX**

A. Surveyed during 1975-76. Updated for major details during 2006-07.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/4° West in 2005. (Decreasing by about 1' annually).

Scale: 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  
Bihar Geo-Spatial Data Centre  
Survey of India, 164, Sheikhpura House, Sheikhpura  
Patna - 800014.  
Fax: 0612 - 2280265

WEBSITE - www.surveyofindia.gov.in

