

No. G45014

[illegible]

1 Supaul, BIHAR.
2 Araria, BIHAR.
3 Katiach, BIHAR.

SURVEY OF INDIA

1st Edition, 2009.

Price : Rs. 50 / -

CONVENTIONAL SYMBOLS

[illegible]

PROPOSED GAIL PIPELINE

PROTECTED FOREST

REFERENCES

NR 106 National Highway No. 106 AER 02 North Eastern Railway Darrangah (Shirdar) Section

NOTES :-

Heights are in metres and above Indian mean sea level.
 Contours are approximate.
 A relative height, e.g., 50 , represents the approximate height, in metres between the top and bottom of a steep slope.
 A relative height, e.g., 50 , marked along a road, indicates the height of the top of the road embankment above the adjacent country.
 Tents, shown dry, in this area usually contain water from July to March.
 Unsettled roads and cam-trails in this sheet are generally moveable in dry season. Permission to use these along roads is required from irrigation authorities.

COMPILED BY J. H. HARRIS

☐ A. Summed data: 1975-84. Divided for easier display: 1975-84.

Projection - UTM Datum - WGS 84

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{2}^{\circ}$ West

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

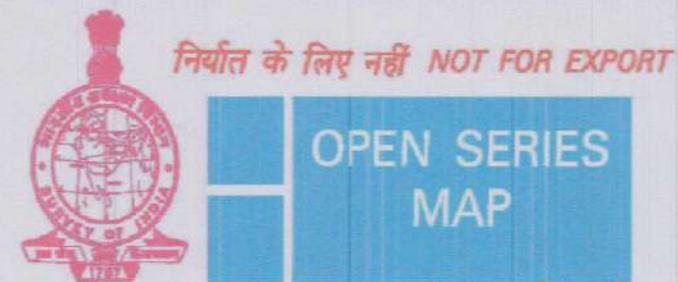
For further details about this map, please contact
Director
Bihar Geo-Spatial Data Centre
Survey of India, 194, Shaikhupura House, Shaikhupura
Patna - 800014.
Fax : 0612 - 2280265

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

© GOVERNMENT OF INDIA. COPYRIGHT, 2009.





No. G45P2
Scale 1:50,000

G45O13 (720/13)	G45P1 (720/1)	G45P5 (720/5)
G45O14 (720/14)	G45P2 (720/2)	G45P6 (720/6)
G45O15 (720/15)	G45P3 (720/3)	G45P7 (720/7)

1 Saharsa, JHARKHAND.
2 Araria, BIHAR.
3 Khatwa, BIHAR.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2005.

Price : Rs. 50/-

CONVENTIONAL SYMBOLS

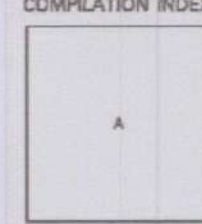
- Express highway with toll; with bridge; with distance stone
- Road, metalled according to importance
- Road, double carriageway according to importance
- Unmetalled road, cart-track, path, track with pass, foot-path
- Railway with track in both directions
- Canal
- Dam, masonry or rock-filled, with sluice, weir
- River, dry with water channel, with island & rocks, 'dead' river
- Submerged road, bridge, stream, rivulet
- Wells, hand, windmill, 'tube-well', spring, 'tanka', 'chandi', 'dug'
- Embankment, road or rail track, broken ground
- Railway, broad gauge, double, single with station, under construction
- Railway, meter gauge, double, single with station, under construction
- Mineral, ore or quarry, Kib, cutting with tunnel
- Contours with sub-features, rocky slopes, cliffs
- Sand features: (Mud) (Sand) (Gravel) (Shale) (Limestone)
- Towns or Villages: inhabited, deserted, Fort
- Habit permanent, temporary, Town, Archaic
- Temples, Church, Mosque, Ghat, Tomb, Grave
- Lighthouse, Light, Beacon, Light, Signal, Anchorage
- Min. Vm on scale, Great, Small
- Pier: jetty, other, Piers, Coffer, Buoys, Old pier
- Forest: cultivated, wooded, Surveyed tree
- Boundary: International
- State boundary, sub-division, level or high, forest
- Boundary: Piers, surveyed, unmetalled
- Height, (unpublished) station, point, spot, elevation
- Bench-mark, geodetic, tertiary, semi
- Post office, Telegraph office, Overhead tank
- River house or inspection bungalow, Check house, Police station
- Camping ground, Forest, reserved, protected
- Boat, canoe, administrative, hospital or school
- Hospital, Dispensary, Veterinary, Hospital, Dispensary
- Airplane, Helicopter, Tourist site
- Power line with poles surveyed, with poles unsurveyed

PROPOSED GAIL PIPELINE
PROTECTED FOREST

NOTES

A relative height, 'R' represents the approximate height, in meters, between the top and bottom of a steep slope.
The contour lines indicate along roads and railways are shown in solid type, e.g., '2' whereas intermediate contours are shown in dotted type, e.g., '2'.
A relative height, e.g., '3', marked along a road, indicates the height of the top of the road embankment above the adjacent country.
Embankments for the proposed GAIL pipeline are shown in solid type. Permission to use these embankments is required from the irrigation authorities.
Height and contour are not shown in this sheet.

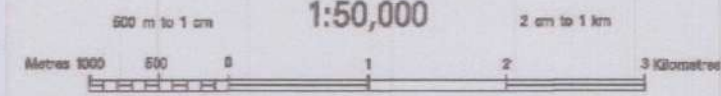
COMPILED INDEX



Projection - UTM Datum - WGS 84

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

1:50,000



For further details about this map, please contact

Director
Bihar Geo-Spatial Data Centre
Survey of India, 184, Sheikhpura House, Sheikhpura
Patna-800004.
Fax : 0612-2262285

WEBSITE - www.surveyofindia.gov.in

