



निर्वात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. G45T1

Scale 1:50,000

1 Arwal BIHAR G45M16 (72C/16)	Jahānābād BIHAR G45N4 (72G/16)	Nālandā BIHAR G45N8 (72G/8)
Gaya BIHAR G45S13 (72D/13)	G45T1 (72H/1)	G45T5 (72H/5) Nālandā BIHAR
G45S14 (72D/14)	G45T2 (72H/2)	G45T6 (72H/6)
1 Patna, BIHAR. 2 Arwal, BIHAR.		3 Chātrā, JHARKHAND. 4 Koderma, JHARKHAND.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2010.

Price: Rs. 16/-

CONVENTIONAL SYMBOLS

Express Highway, with toll; with bridge; with distance stone	20
Roads, metalled; according to importance	10
Roads, double carriageway; according to importance	5
Unmetalled road, Cart-track, Pack-track with pass, Foot-path	2
Streams: with track in bed; undefined, Canal	1
Dam: masonry or rock-filled, earthwork, Weir	1
River: dry with water channel; with island & rocks, Tidal river	1
Submerged rocks, Shoal, Swamp, Reeds	1
Wells: lined; unlined, Tube-well, Spring, Tank; perennial, dry	1
Embankment: road or rail; tank, Broken ground	1
Railways, broad gauge; double; single with distance stone; do.	1
Railways, other gauges: double; single with distance stone; do.	1
Mineral line or tramway, K.M. Cutting with tunnel	1
Contours with sub-features, Rocky slopes, Cliffs	1
Sand features (72d-84d) permanent, (72d-84d) shifting	1
Towns or Villages: inhabited, deserted, Fort	1
Huts, permanent; temporary, Tower, Antiquities	1
Temple, Chhatra, Church, Mosque, Lighted, Tomb, Gavi	1
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage	1
Mine, View on India, Coast, Sand, Coral, Bamboo, Other trees	1
Plains, paddy; other, Paddy, Cotton, Bamboo, Other trees	1
Areas: cultivated, wooded, Surveyed trees	1
Boundary, International	1
state, demarcated, undemarcated	1
district, subdivision, tahsil or taluk, forest	1
Boundary pillars: surveyed, unlocated	1
Heights, triangulated; station, point, approximate	1
Bench-mark: geodetic; tertiary, canal	1
Post office, Telegraph office, Overhead tank	1
Rest house or inspection bungalow, Circuit house, Police station	1
Camping ground, Forest reserved, protected	1
Speed names: administrative, locality or tribal	1
Hospital, Dispensary, Veterinary Hospital / Dispensary	1
Aerodrome, Helipad, Tourist site	1
Power line: with pylons surveyed; with poles unsurveyed	1

REFERENCES

NH 82 National Highway No. 82
SH 5 State Highway No. 5

ECR East Central Railway
Chhannay

NOTES:-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g. 100, represents the approximate height, in metres, between the top and bottom of a steep slope.
Tide-gauge are numerous throughout the sheet, only the important ones have been shown.
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.

COMPILATION INDEX

A. Surveyed during 1976-77. Updated for map details during 2005-06.

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

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.

WEBSITE - www.surveyofindia.gov.in



4/11/2020
नियंत्रणक
महार् पमल ग



No. G45T5

Scale 1:50,000

Jahānābād BIHAR G45N4 (72G14)	Nālandā BIHAR G45N8 (72G18)	G45N12 (72G12)
G45T1 (72H11) Gaya BIHAR	G45T5 (72H5) Nawāda BIHAR	G45T9 (72H19) Kodama JHARKHAND
G45T2 (72H2)	G45T6 (72H6)	

1 Patna, BIHAR
2 Sheikhpura, BIHAR

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009.

Revised Price
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, Well	...
River, dry with water channel, with island & rocks, Tidal river	...
Submerged rocks, Shoal, Swamp, Reeds	...
Vegetation, 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	...
Mixed line or railway, 10th. Cutting with tunnel	...
Contours with sub-features, Rocky slopes, Cliffs	...
3rd features (1 flat, 2 stand, 3 permanent), (3) (3) (3) (3) (3) (3)	...
Towns or villages, inhabited, deserted, Fort	...
Huts, permanent, temporary, Tower, Antiquities	...
Temple, Chattri, Church, Mosque, Idgah, Tomb, Graves	...
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage	...
Mine, Vine on trellis, Grass, Scrub	...
Palm, palm, other, Plantain, Conifer, Bamboo, Other trees	...
Areas, cultivated, wooded, Surveyed tree	...
Boundary, international	...
state, demarcated, undemarcated	...
district, subdivision, taluk or block, 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	...
Airport, Dispensary, Veterinary Hospital / Dispensary	...
Aerodrome, Helipad, Tourist site	...
Power line, with pylons surveyed, with poles unsurveyed	...

REFERENCE

NH 52 National Highway No. 52

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g., 20, represents the approximate height, in metres, between the top and bottom of a steep slope.
The interpolated 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 solid type, e.g., 5, whereas milestone numbers are shown in upright type, e.g., 5.
Forest boundaries are not demarcated but have been surveyed as pointed out by the local officials on the ground.
Numerous field-bands of less than 2 metres in height occur throughout the cultivated areas.
Tanks, shown dry, in this area usually contain water from July to December.
Tube-wells are numerous throughout the sheet, only the important ones have been shown.

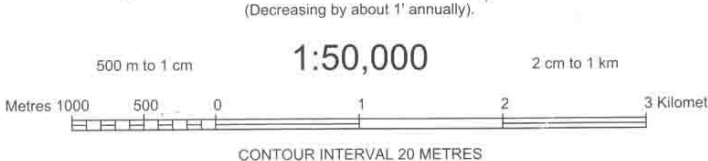
COMPILED INDEX

A. Surveyed during 1970-77. Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

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



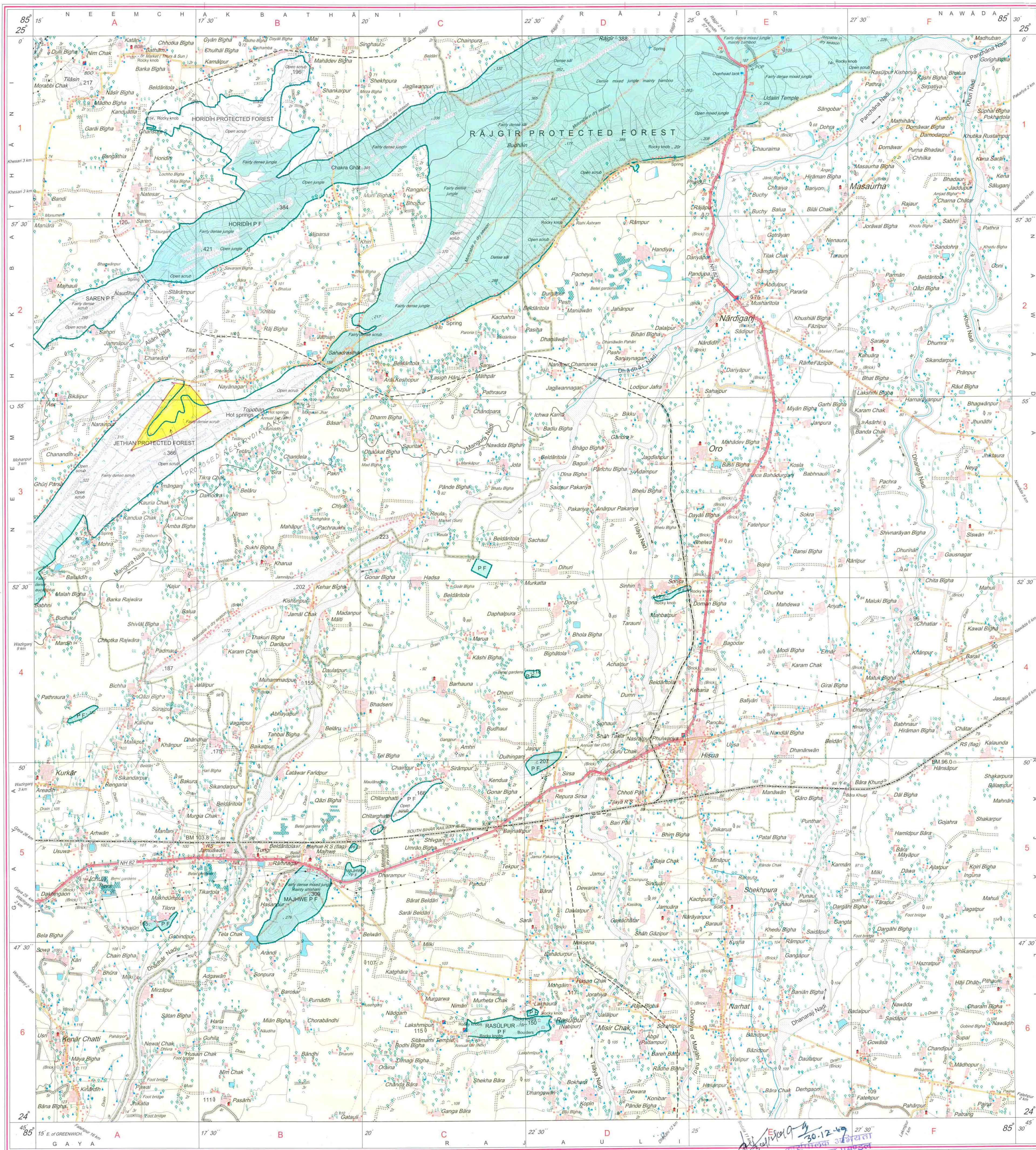
For further details about this map, please contact:

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