8" dia. steel P/L
4" dia. steel P/L
125 mm dia. MDPE P/L

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OPEN SERIES MAP

No. G45N8

Scale 1:50,000

	Patna BIHĀR	2
G45N3 (72G/3)	G45N7 (72G/7)	G45N11 (72G/11)
Jahānābād BIHĀR	Nālanda BIHĀR	
G45N4 (72G/4)	G45N8 (72G/8)	G45N12 3 (72G/12)
Gaya BIHĀR		Nawāda BIHĀR
G45T1 (72H/1)	G45T5 (72H/5)	G45T9 (72H/9)
		4

1 Vaishāli, BIHĀR.
2 Samastipur, BIHĀR.
3 Sheikhpura, BIHĀR.
4 Kodarma, JHĀRKHAND.

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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 constn.
Railways, other gauges: double; single with distance stone; do.
Mineral line or tramway. Kiln. Cutting with tunnel.
Contours with sub-features. Rocky slopes. Cliffs.
Sand features:(1)flat. (2)sand-hills(permanent). (3)dunes(shifting).
Towns or Villages: inhabited; deserted. Fort.
Huts: permanent; temporary. Tower. Antiquities.
Temple. Chhatri. Church. Mosque. Idgāh. 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; tahsīl or tāluk; forest.
Boundary pillars: surveyed; unlocated
Heights, triangulated: station; point; approximate. △200 .200 .200
Bench-mark: geodetic; tertiary; canal. BM 63·3 .BM 63·3
Post office. Telegraph office. Overhead tank.
Rest house or Inspection bungalow. Circuit house. Police station.
Camping ground. Forest: reserved; protected. RF PF
Spaced names: administrative; locality or tribal. KIKRI NĀGA
Hospital. Dispensary. Veterinary: Hospital / Dispensary
Aerodrome. Helipad. Tourist site.
Power line: with pylons surveyed; with poles unsurveyed.

REFERENCES

NH 110 National Highway No. 110.
PWD Public works department.
T B Tourist Bungalow.

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g.,8r, represents the approximate height, in metres, between the top and bottom of a steep slope.
This sheet has been compiled from 1:25,000 survey.
A relative height, e.g.,6r, marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.
Tanks, shown dry, in this area usually contain water from Jun to November.
Contours are drawn at 10 metres vertical interval upto 100 metres, and above at 20 metres vertical interval.
The place of Antiquarian importance falling in square E/3 belongs to Gupta and Pal period. This is a protected monument maintained by Archaeological Survey of India.

COMPILATION INDEX

A. Modern Survey 1984-85. Updated for major details during 2004-05.

A

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{4}°$ West in 2005.
(Decreasing by about 1' annually).

500 m to 1 cm 1:50,000 2 cm to 1 km

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 10 / 20 METRES

For further details about this map, please contact
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Survey of India, 164, Sheikhpura House, Sheikhpura
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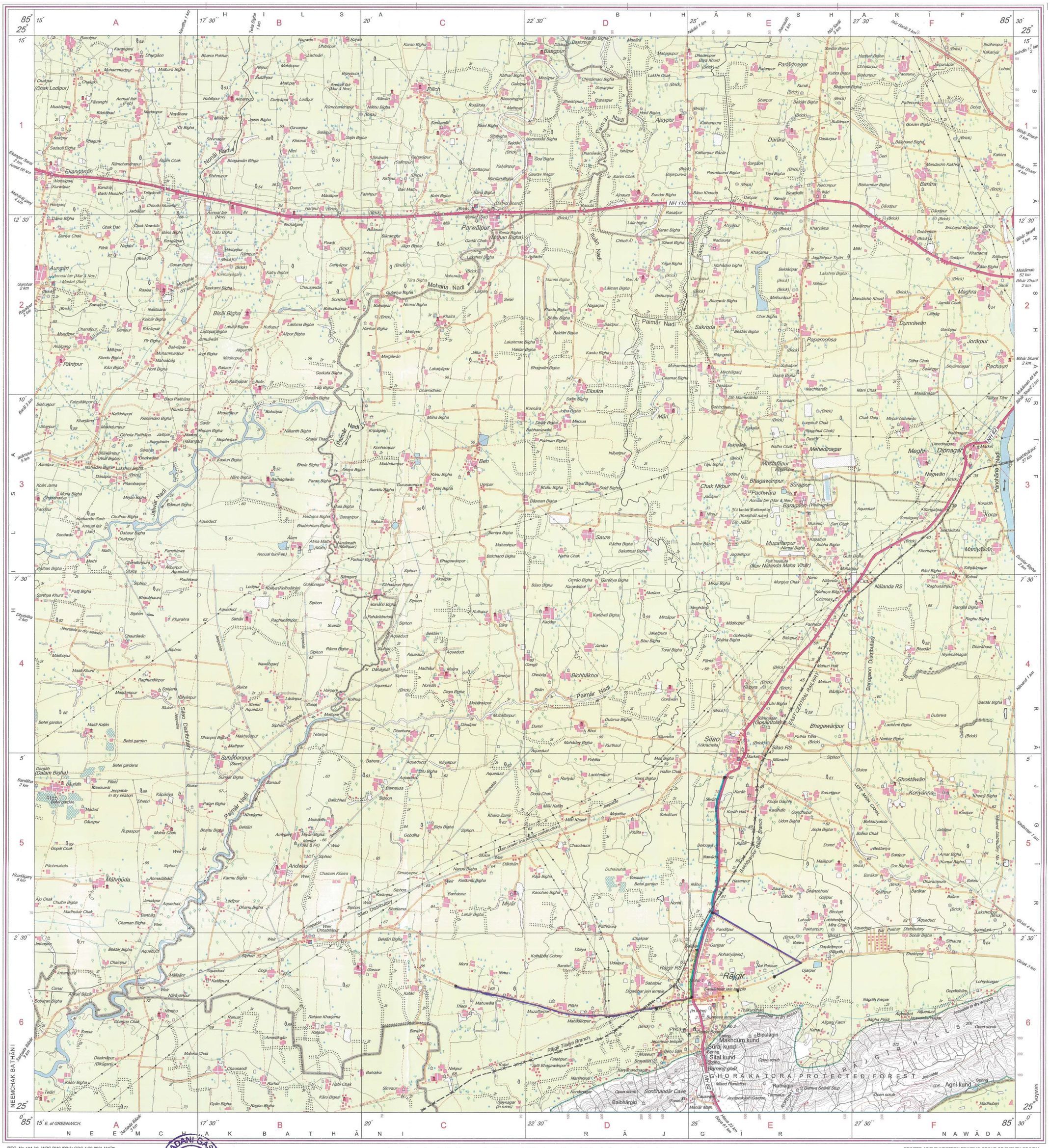

REG. No.404 (o) -WPG D'10 (Bihār GDC-1:50,000)-10ii'15.

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OPEN SERIES MAP

No. G45N12

Scale 1:50,000

1 G45N7 (72G/7)	2 Patna BIHĀR G45N11 (72G/11)	3 G45N15 (72G/15)
Nālanda BIHĀR G45N8 (72G/8)	G45N12 (72G/12)	Sheikhpura BIHĀR G45N16 (72G/16) 4
Gaya BIHĀR G45T5 (72H/5)	Nawāda BIHĀR G45T9 (72H/9)	Jamūi BIHĀR G45T13 (72H/13) Kodarma JHĀRKHAND

1 Vaishāli, BIHĀR.
2 Samstipur, BIHĀR.
3 Begusarāi, BIHĀR.
4 Lakhisarāi, BIHĀR.

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