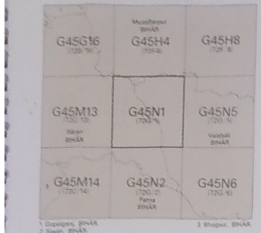
निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. G45N1

Scale 1:50,000



Muzaffarpur BIHAR
G45G16 (72B/16)
G45H4 (72F/4)
G45H8 (72F/8)
G45M13 (72C/13)
Saran BIHAR
G45N1 (72G/1)
G45N5 (72G/5)
Vaishali BIHAR
G45M14 (72C/14)
G45N2 (72G/2)
Patna BIHAR
G45N6 (72G/6)

1 Gopalganj, BIHAR
2 Siwan, BIHAR
3 Bhojpur, BIHAR

भारतीय सर्वेक्षण विभाग **SURVEY OF INDIA**

1st Edition 2010 Price: ₹ 94/-

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Rs.-118/

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: Tibba (Sand-hills) (permanent). (S)dunes(shifting)
- Towns or Villages: inhabited; deserted. Fort
- Huts: permanent; temporary. Tower. Antiquities
- Temple. Chhatri. Church. Mosque. Idgah. 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, tahsil or taluk; forest
- Boundary pillars: surveyed; unlocated
- Heights, triangulated: station; point; approximate △200 .200 200
- Bench-mark: geodetic; tertiary; canal .BM 63·3 .BM 63·3 .63
- Post office. Telegraph office. Overhead tank
- Rest house or Inspection bungalow. Circuit house. Police station
- Camping ground. Forest: reserved; protected CG RF PF
- Spaced names: administrative; locality or tribal KIKRI NAGA
- Hospital. Dispensary. Veterinary: Hospital; Dispensary
- Aerodrome. Helipad. Tourist site
- Power line: with pylons surveyed; with poles unsurveyed

■- रिटेल आउंटलेट के लिए प्रस्तावित स्थल

सीता कुमारी

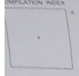
REFERENCES

NH 19 National Highway No. 19

NOTES :-

eights are in metres and above Indian mean sea level.
relative height, 3r, represents the approximate height, in metres, between the top and bottom of a eep slope.
e triangulated heights in this sheet have not been adjusted to the heights of the spirit-levelled nch-marks and may not be strictly in accordance with them.
e area adjoining the Gandak and Ganga Rivers is liable to change owing to continual fluctuation in course of the rivers.
as, shown dry, in this area usually contain water from July to February.
metalled roads and cart-tracks in this sheet are generally motorable in dry season.

OMPILATION INDEX



A. Surveyed during 1973-74. Updated for major details during 2008-09.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° in 2005.
(Increasing by about 1' East annually)

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

Metres 1000 500 0 1 2 3 Kilometres

For further details about this map, please contact
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Bihar Geo-Spatial Data Centre
Survey of India, 164, Shaikhpura house, Shaikhpura
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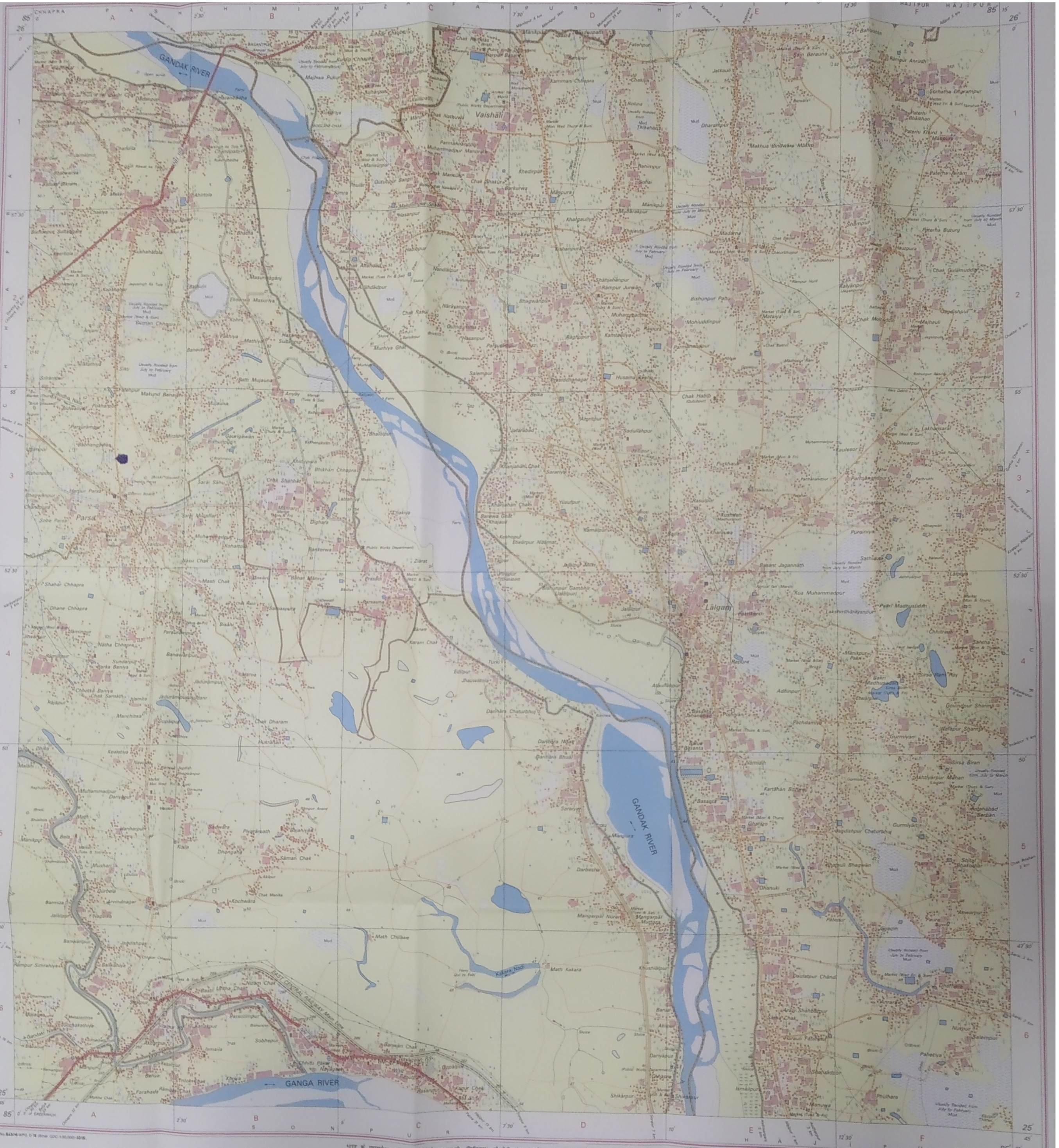

CHHAPRA
PASHCHIMI MUZAFFARPUR
HAJIPUR HAJIPUR
SONPUR
HAJIPUR
CHHAPRA
85° 0'
26° 0'
85° 15'
25° 45'
2'30"
5'
7'30"
10'
12'30"
57'30"
55'
52'30"
50'
47'30"
A
B
C
D
E
F
1
2
3
4
5
6
GANDAK RIVER
GANGA RIVER
Vaishali
Lalganj
Parsa
EAST CENTRAL RAILWAY Main Line
Kakara Nadi
Chak Dharam
Math Chilawe
Math Kakara

REG. No. 84/SHC-WPO D'18 (Bihar GDC-1:50,000-2018)

भारत के महासर्वेक्षक राजेन्द्र मणि त्रिपाठी, एम.एस.सी. (भौतिकी), पी.जी.डिप्लोमा (कार्टो) (आई.टी.सी. नीदरलैंड्स) के निर्देशन में प्रकाशित।
Published under the direction of Rajendra Mani Tripathi, M.Sc. (Physics), P.G. Diploma (Carto) (ITC, The Netherlands) Surveyor General of India,
Survey of India, Hathibarkala Estate, Post Box No. 37, Dehra Dun-248001 (Uttarakhand),
Department of Science & Technology, Government of India.

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