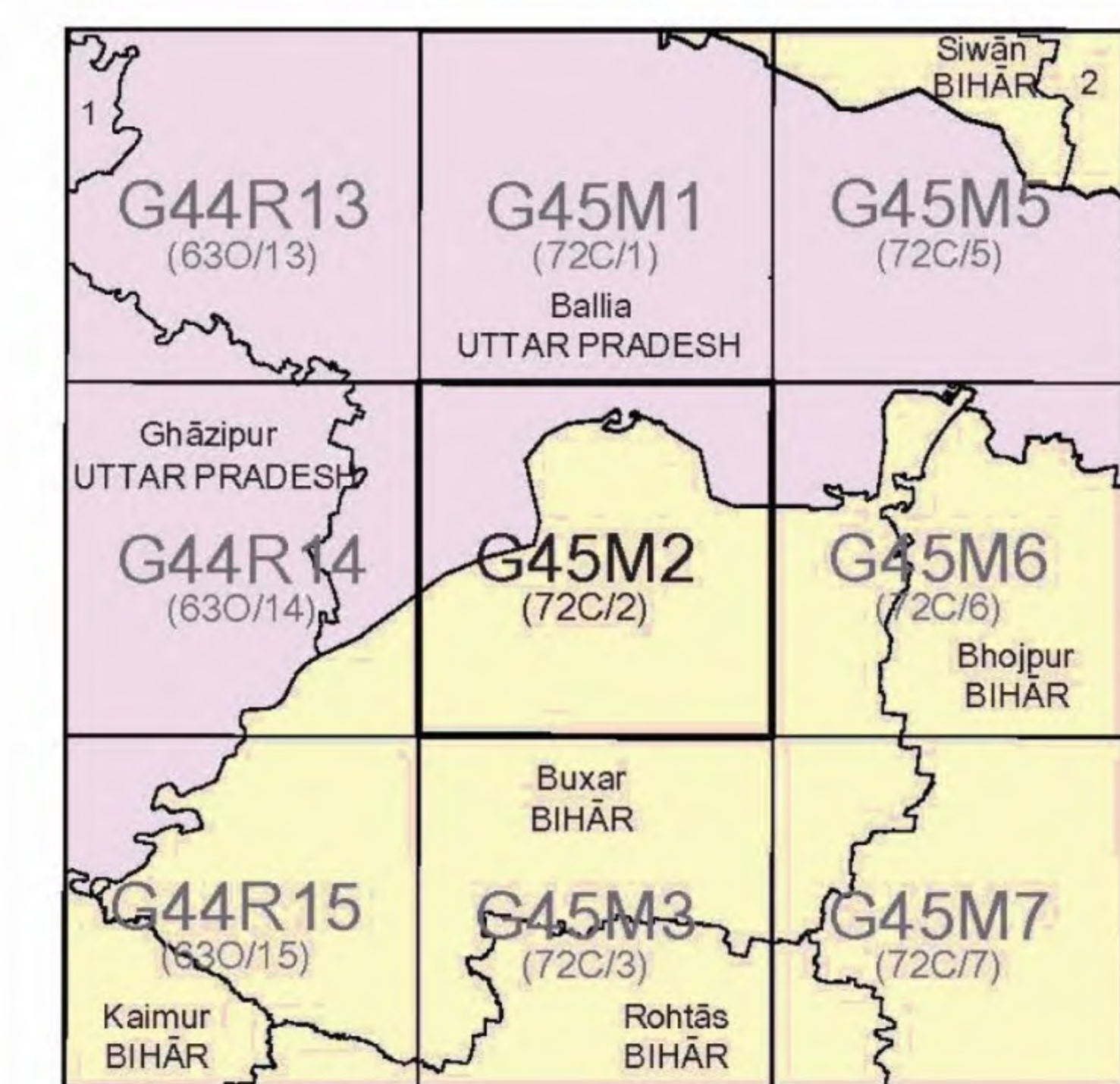


No. G45M2

Scale 1:50,000



भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2018.

Price : ₹ 118/

CONVENTIONAL SYMBOLS

Roads, highway with toll, with bridge, with distance stone		
Roads, metalled according to importance		
Roads, double camargue according to importance		
Unmetalled road. Cart-track. Pack-track with pees. Foot-path		
Streams with track on bed, underfed. Canal		
Dams; masonry or rock-filled, earthenwork. 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, on constant		
Railways, other gauges: double, single with distance stone, do.		
Mineral line or tramway. Kilm. Cutting with tunnel		
Contours with sub-features. Rocky slopes. Cliffs		
Sand features (1 flat, 2 beach hills(permanent), 3 dune(s))		
Towns or Villages: inhabited, deserted. Fort		
Hubs: permanent, temporary. Tower. Antiquities		
Temple. Chhatra. Church. Mosque. Edgah. Tomb. Graves		
Lighthouse. Lighthouse. Buoy; lighted, unlighted. Anchorage		
Mine. Pyna on trails. Grave. Scrub		
Palms. Vines or other. Plantation. Conifer: Bamboo. Other trees		
Areas: cultivated, wooded. Surveyed trees		
Boundary, international		
_____ state demarcated, undemarcated		
_____ distinct, subdivision, unsplit or h/uk, forest		
Boundary points: surveyed, unsplit		
Height, triangulation station, point, approximate		±200
Benchmark: Geodetic, tertiary, canal		BM 63.3
Post office. Telegraph office. Overhead tank		
Rest house or inspection bungalow. Court house. Police station		
Camping ground: Forest reserved, protected		RF
Spaced names: administrative, locality or tribal		KIKRI
Hospital. Dispensary. Veterinary. Hospital / Dispensary		±BM
Aerodrome. Helipad. Tourist site		
Power line: with pylons surveyed, with poles unsurveyed		

REFERENCES

NH 19 National Highway No. 19 *NER* North Eastern Railway

NOTES :-

Heights are in metres and above (Indian mean sea level).
 Contours are approximate.
 A relative height, e.g. $\delta_1 \delta_2$ represents the approximate height, in metres, between the top and bottom of a steep slope.
 The kilometre stone numbers along road and railways are shown in slant type, e.g. $\delta_1 \delta_2$ whereas milestone numbers are shown in upright type, e.g. $\delta_1 \delta_2$.
 The area adjoining the Ganga River is liable to change owing to continual fluctuation in the course of the river.
 Unmetalled roads and cart-tracks along canals in the sheet are motorable. Permission to use these roads is required from the Irrigation authorities. Other unmetalled roads and cart-tracks are generally motorable in dry season.
 The area shown on this map is magnitudinally disturbed and the variation given may differ largely from the actual value.

COMPILATION INDEX

A. Modern Survey 1963-64. Updated for major details during 2006-07

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{4}^{\circ}$ West in 2005.

1:50,000

CONTOUR INTERVAL 20 METRES.

For further details about this map, please contact

East Uttar Pradesh Geo-Spatial Data Centre
Survey of India

WEBSITE - www.surveyofindia.gov.in

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Executive Engineer
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No. G45M3

Scale 1:50,000

G44R14 (630/14)	G45M2 (72C/2)	G45M6 (72C/6)
G44R15 (630/15)	G45M3 (72C/3)	G45M7 (72C/7)
G44R16 (630/16)	G45M4 (72C/4)	G45M8 (72C/8)

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009.

Price : Rs. 50/-

Revised Price Rs.-118/-

CONVENTIONAL SYMBOLS

press highway; with toll; with bridge; with distance stone

roads, metalled; according to importance

roads, double cartage-way; according to importance

metalled road. Cart-track. Pack-track with pass. Foot-path.

streams; with track in bed; undefined. Canal

canals; masonry or rock-filled; earthwork. Weir

river; dry with water channel; with island & rocks. Tidal river

unbarged rocks. Shoal. Swamp. Reeds

islands; lined; unlined. Tube-well. Spring. Tanks; perennial; dry

embankments; road or rail; tank. Broken ground

airways; broad gauge; double; single with station; under constr.

airways; other gauges; double; single with distance stone; do

inner line or tramway. Kin. Cutting with tunnel

contours with sub-features. Rocky slopes. Cliffs

land features: (1)flat. (2)sand-hills (permanent). (3)dunes/shifting

settlements: inhabited; deserted. Fort

structures: permanent; temporary. Tower. Antiquities

monuments: Chhatra. Church. Mosque. Light. Tomb. Graves

light-houses. Light-buoys: lighted; unlighted. Anchorage

vine on trellis. Grass. Scrub

palms; palmyra; other. Plantain. Conifer. Bamboo. Other trees

reeds; cultivated; wooded. Surveyed tree

boundary, international

state; demarcated; undemarcated

200	200	200
BM 63.3	BM 63.3	BM 63.3
Post office. Telegraph office. Overhead tank		
Post house or inspection bungalow. Circuit house. Police station		
Camping ground. Forest: reserved; protected		
Placed names: administrative; locality or tribal	KIKRI	NAGA
Hospital. Dispensary. Veterinary. Hospital / Dispensary		
Aerodrome. Helipad. Tourist site		
Lower line; with pylons surveyed; with poles unsurveyed		

REFERENCE

FB Foot bridge

NOTES

heights are in metres and above Indian mean sea level

contours are approximate

cart-tracks and unmetalled roads in this sheet are generally motorable in dry season. Permission to use those along canals is required from Irrigation authorities

relative height; e.g., 50, marked along a canal, indicates the height of the top of the canal bank above the adjacent country

area shown on this map is magnetically disturbed and the variation given may differ largely from actual value

islands are numerous throughout the sheet; only the important ones have been shown

reefs, shown dry in this area, usually contain water from July to December

relative height, 50, represents the approximate height, in metres, between the top and bottom of a steep slope

COMPILATION INDEX

A. Surveyed during 1952-63. 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).

1:50,000

500 m to 1 cm

2 cm to 1 km

3 Kilometres

CONTOUR INTERVAL 10 METRES

For further details about this map, please contact

Director

Bihar Geo-Spatial Data Centre

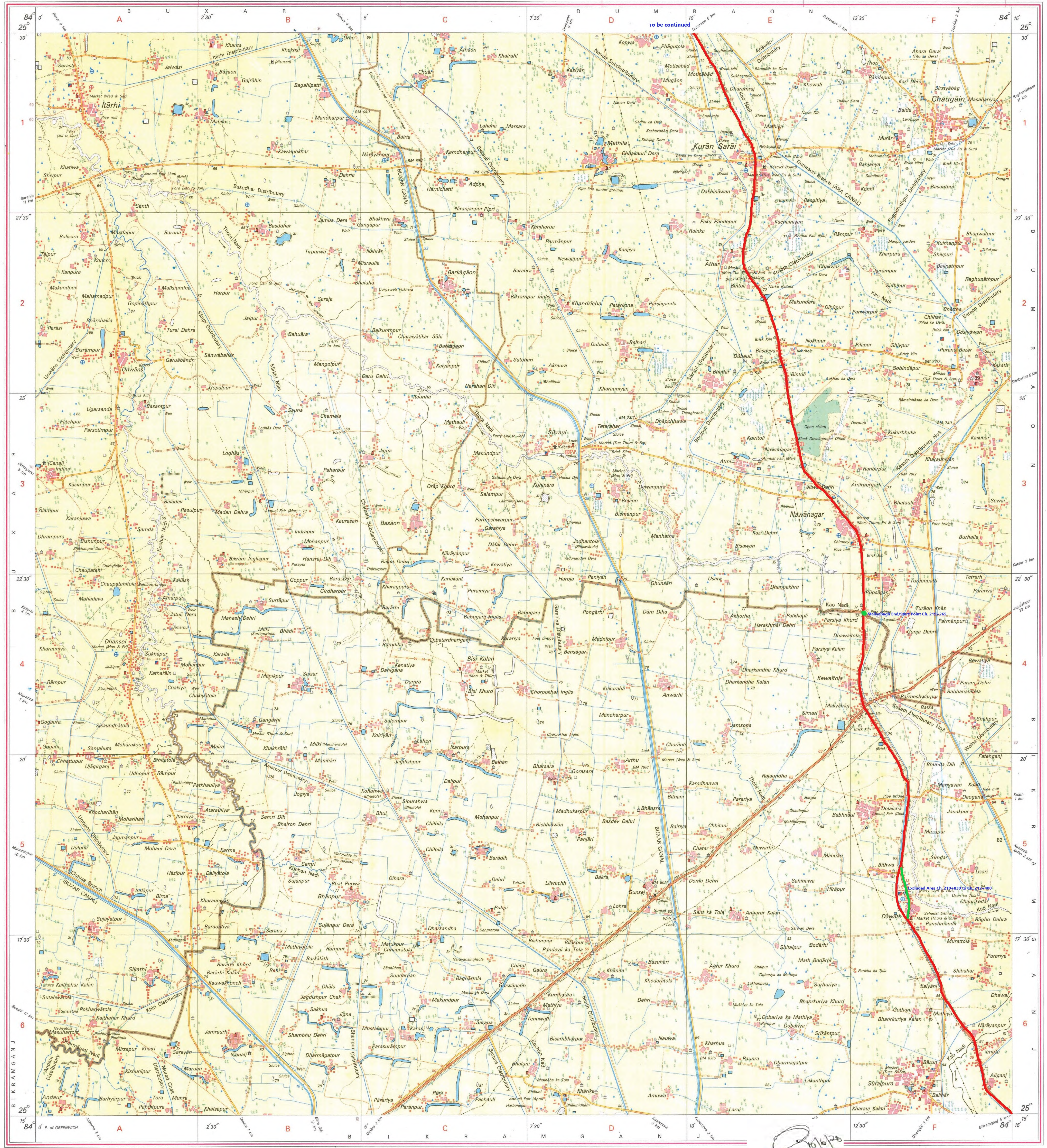
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AURANGABAD, BHOJPUR, GAYA
AND ROHTAS DISTRICTS.

Surveyed 1974-75.

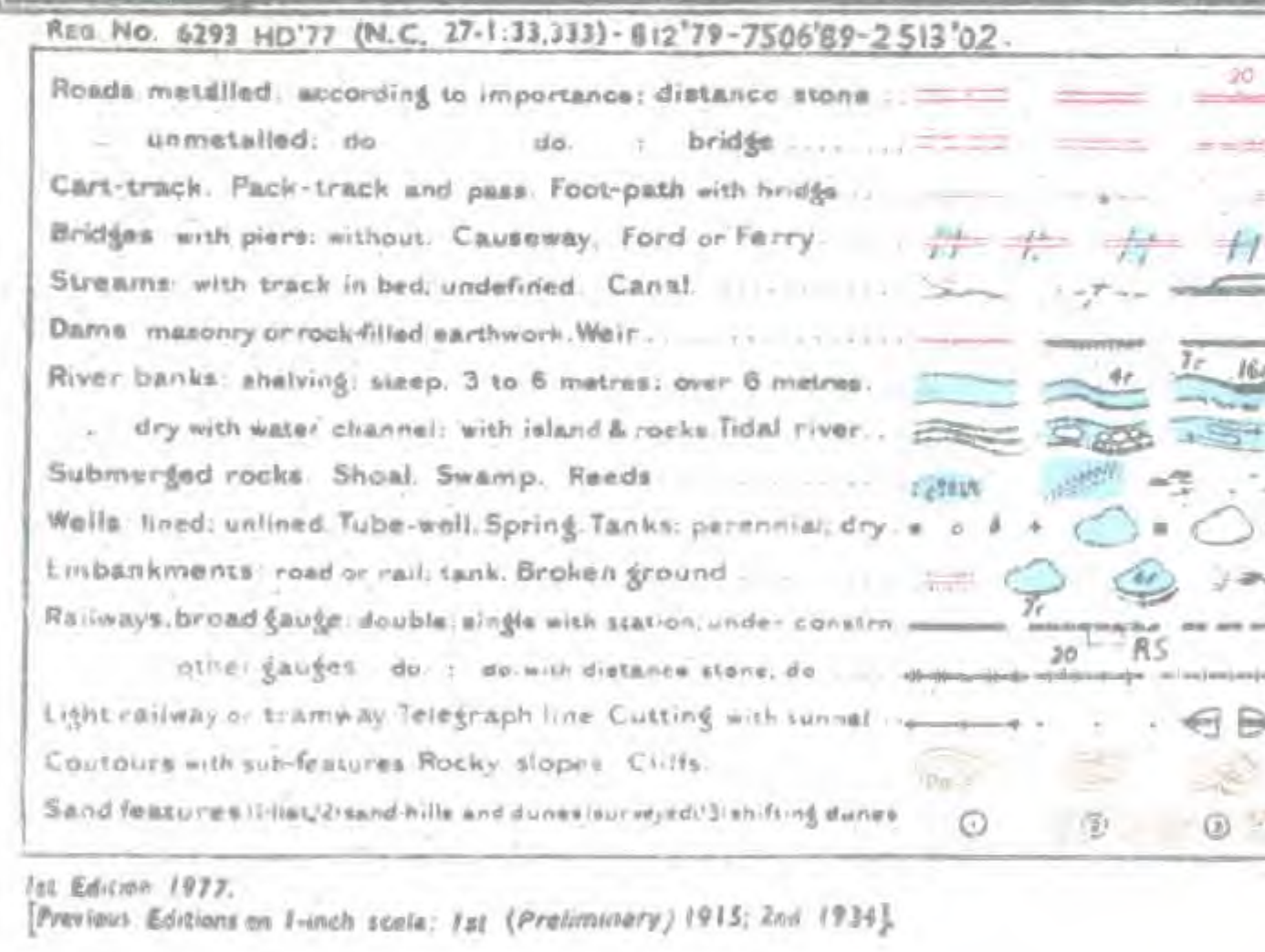
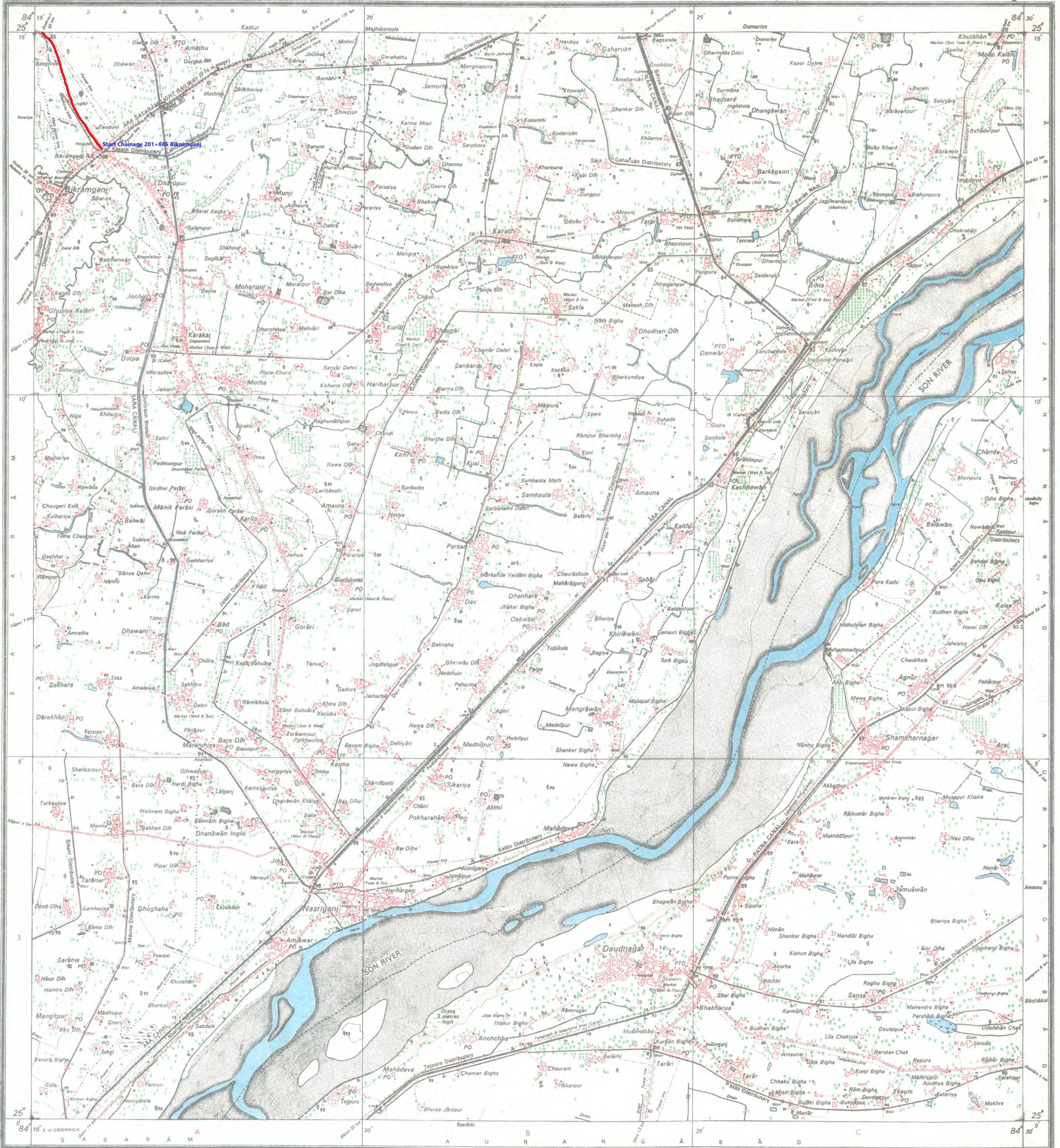
BIHAR

FIRST EDITION

Magnetic Variation from True North about $\frac{1}{2}^{\circ}$ West in 1970.
(Decreasing by about $1'$ annually).

INDIA
REFER TO THIS MAP AS:- I:50,000
SHEET 72 C/8 FIRST EDITION

No. 72 C/8



Executive Engineer
N.H. Division, Gaya

REFER TO THIS MAP AS:- I:50,000
SHEET 72 C/8 FIRST EDITION

INDIA

Published under the direction of Dr. P. V. N. Rao, Surveyor General of India, 1977.

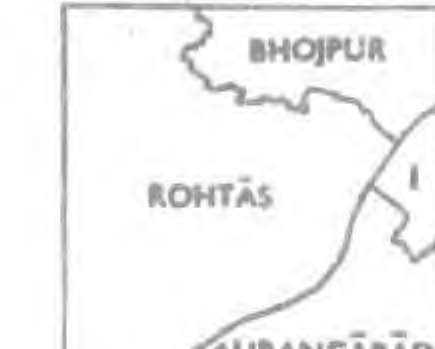
500 m to 1 cm
1:50,000
2 cm to 1 km

HEIGHTS & CONTOURS IN METRES
CONTOUR INTERVAL 20 METRES

*Water features are shown in blue where they generally contain water.
*Contoured areas are coloured yellow.
*The 'exterior' boundaries of areas of reserved or protected forests are shown by green ribbons.
*Not applicable.

The uncoloured & traversed 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.
Towns shown dry in this sheet usually contain water from July to December.
The kilometre stone numbers along the railway are shown in black type, e.g., 3, whereas kilometre numbers are shown in upright type, e.g., 3.
A relative height, e.g., 60, marked along a canal indicates the height of the top of the canal embankment above the adjacent country.
Wells are numerous throughout the sheet: only the important ones have been shown.
Cart tracks and unmetalled roads in this sheet are generally motorable in dry season. Permission to use these along canals is required from the irrigation authorities.

Administrative Index



Towns or Villages: inhabited, deserted, fort, ruins, permanent, temporary, tower, antiquities, etc.
Temples, Chhatris, Churches, Mosques, Jogh, Tomb, Graves, etc.
Lighthouses, Lightships, Buys, Lighted, unlighted, Anchorage, etc.
Mines, Vines on walls, Grass, Scrub, etc.
Palms, palm-plantations, Pans, Conifer, Bamboo, Other trees, etc.
Boundary pillars: surveyed, uncoloured, village, triangulation, etc.
Height, triangulation, station, point, approximate, 200, 300, 400, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1700, 1800, 1900, 2000, 2100, 2200, 2300, 2400, 2500, 2600, 2700, 2800, 2900, 3000, 3100, 3200, 3300, 3400, 3500, 3600, 3700, 3800, 3900, 4000, 4100, 4200, 4300, 4400, 4500, 4600, 4700, 4800, 4900, 5000, 5100, 5200, 5300, 5400, 5500, 5600, 5700, 5800, 5900, 6000, 6100, 6200, 6300, 6400, 6500, 6600, 6700, 6800, 6900, 7000, 7100, 7200, 7300, 7400, 7500, 7600, 7700, 7800, 7900, 8000, 8100, 8200, 8300, 8400, 8500, 8600, 8700, 8800, 8900, 9000, 9100, 9200, 9300, 9400, 9500, 9600, 9700, 9800, 9900, 10000, 10100, 10200, 10300, 10400, 10500, 10600, 10700, 10800, 10900, 11000, 11100, 11200, 11300, 11400, 11500, 11600, 11700, 11800, 11900, 12000, 12100, 12200, 12300, 12400, 12500, 12600, 12700, 12800, 12900, 13000, 13100, 13200, 13300, 13400, 13500, 13600, 13700, 13800, 13900, 14000, 14100, 14200, 14300, 14400, 14500, 14600, 14700, 14800, 14900, 15000, 15100, 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