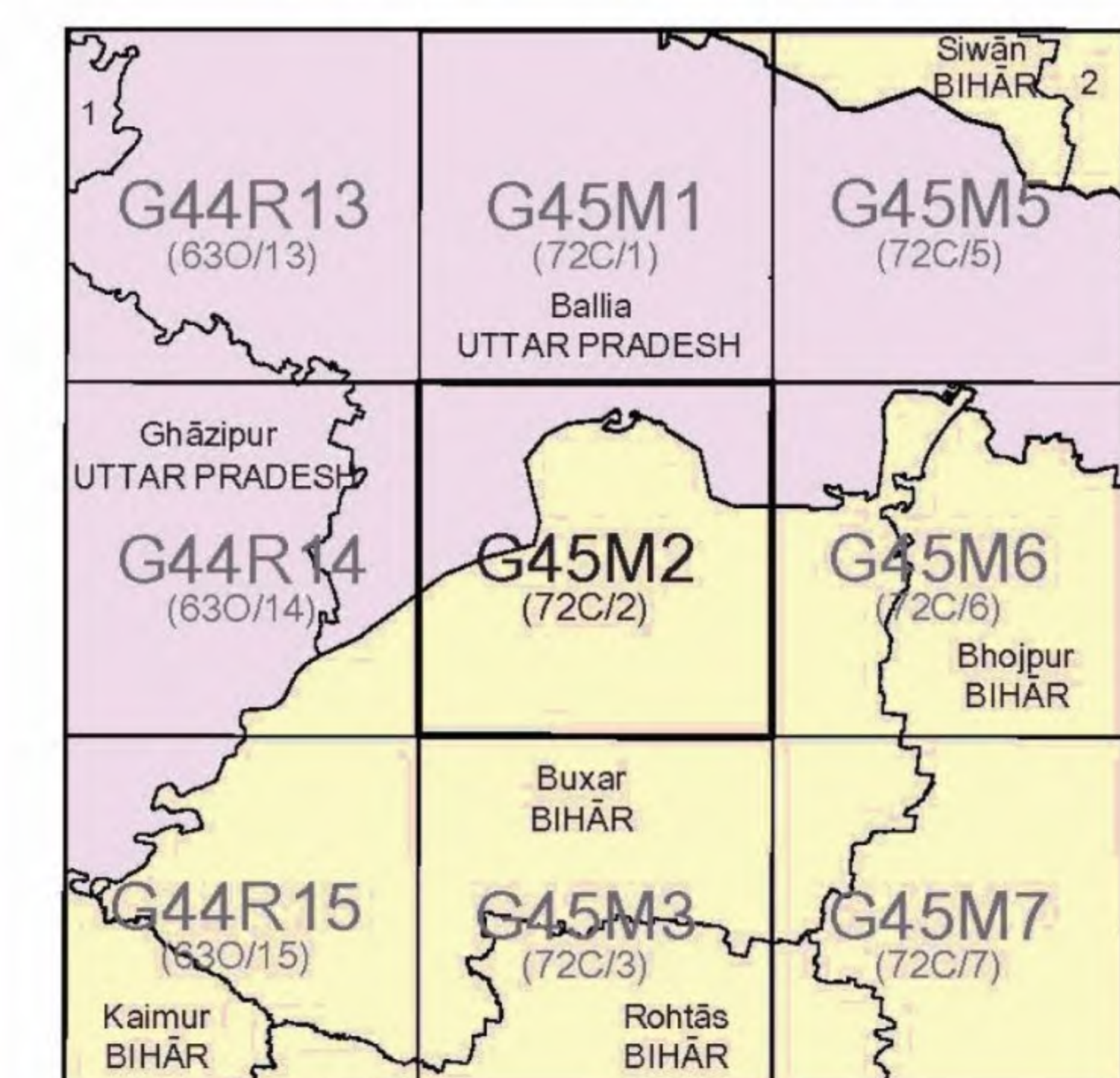


No. G45M2

Scale 1:50,000



1 Mau, UTTAR PRADESH.
2 Sāran, BIHĀR.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2018.

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CONVENTIONAL SYMBOLS

Bridges: highway with toll; with bridge; with distance stone			
Roads, related: according to importance			
Roads, double carriageway according to importance			
Unmarked road: Cart-track: Road-track with pees: Foot-path			
Streams: with track in bed; underground: Canal			
Dams: masonry or rock-filled; earthen: Weir			
River: dry with water channel; with island & rocks: Tidal river			
Submerged rocks: Shoal: Swamp: Roads			
Valms: lined; unlined: Tube-well: Spring: Tanks: perennial; dry			
Embankments: road or rail; bank: Broken ground			
Railways, broad gauge: double; single; station; through; 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			
Steep features (f): Flat (2 band hills): permanent (2) dunes (shingle)			
Towns or Villages: (settled, deserted: Fort)			
Huts: permanent; temporary: Tower: Antiquities			
Temple: Chattr: Church: Mosque: Edgah: Tomb: Graves			
Lighthouse: Lightship: Buoy: lighted, unlighted: Anchorage			
Pine: Pines on table: Grass: Scrub			
Palms: Palmyra or other: Parasit: Conifer: Bamboo: Other trees			
Areas: cultivated; wooded: Surveyed tree			
Boundary: international			
<div> <div> state demarcated: undemarcated </div> <div> distict; subdivision; tribal or SUK; forest </div> </div>			
Boundary plane: surveyed; unsailed			
Heights: triangulated station; spot; approximate			
Benchmark: geodetic; tertiary; canal			
Post: office: Telegraph: office: Overland: tank			
Rail: house or inspection: bungalow: Court: house: Police: station			
Camping ground: Forest: reserved; protected			
Spaced names: administrative; locality or tribal			
Railroad: Dispensary: Veterinary: Hospital: Dispensary			
Aerodrome: Heliped: Tourist: etc.			
Power line: with pylons: unsurveyed; 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. $6'$, 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. $6'$, $5'$, whereas milestone numbers are shown in upright type, e.g. $5'$.
The area adjoining the Ganges River is liable to change owing to continual fluctuation in the course of the river.
Unmetalled roads and cart-tracks along canals in this sheet are moticable. Permission to use these roads is issued from the Irrigation authorities. Other unmetalled roads and cart-tracks are generally moticable in dry season.
The area shown on the map is magnificently 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 $1\frac{3}{4}^{\circ}$ West in 2005.
(Decreasing by about $1'$ annually)

1:50,000

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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Published under the direction of Lt Gen Girish Kumar, VSM Surveyor General of India
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Department of Science & Technology, Government of India.

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Executive Engineer
N.H. Division, Gaya

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

Price : Rs. 50 / -

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Revised Price Rs.-118/-

CONVENTIONAL SYMBOLS

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

roads, metalled: according to importance

roads, double carriageway: 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

boundary, international

state: demarcated; undemarcated

district: subdivision, taluk or taluk; forest

boundary pillars: surveyed; unlocated; village junction

heights, triangulated: station; point; approximate

benchmark: geodetic; tertiary; canal

post office. Telegraph office. Overhead tank

rest house or inspection bungalow. Circuit house. Police station

camping ground. Forest: reserved; protected

names: administrative; locality or tribal

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

as 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

marks 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

COMPILED INDEX

A. Surveyed during 1992-93. 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

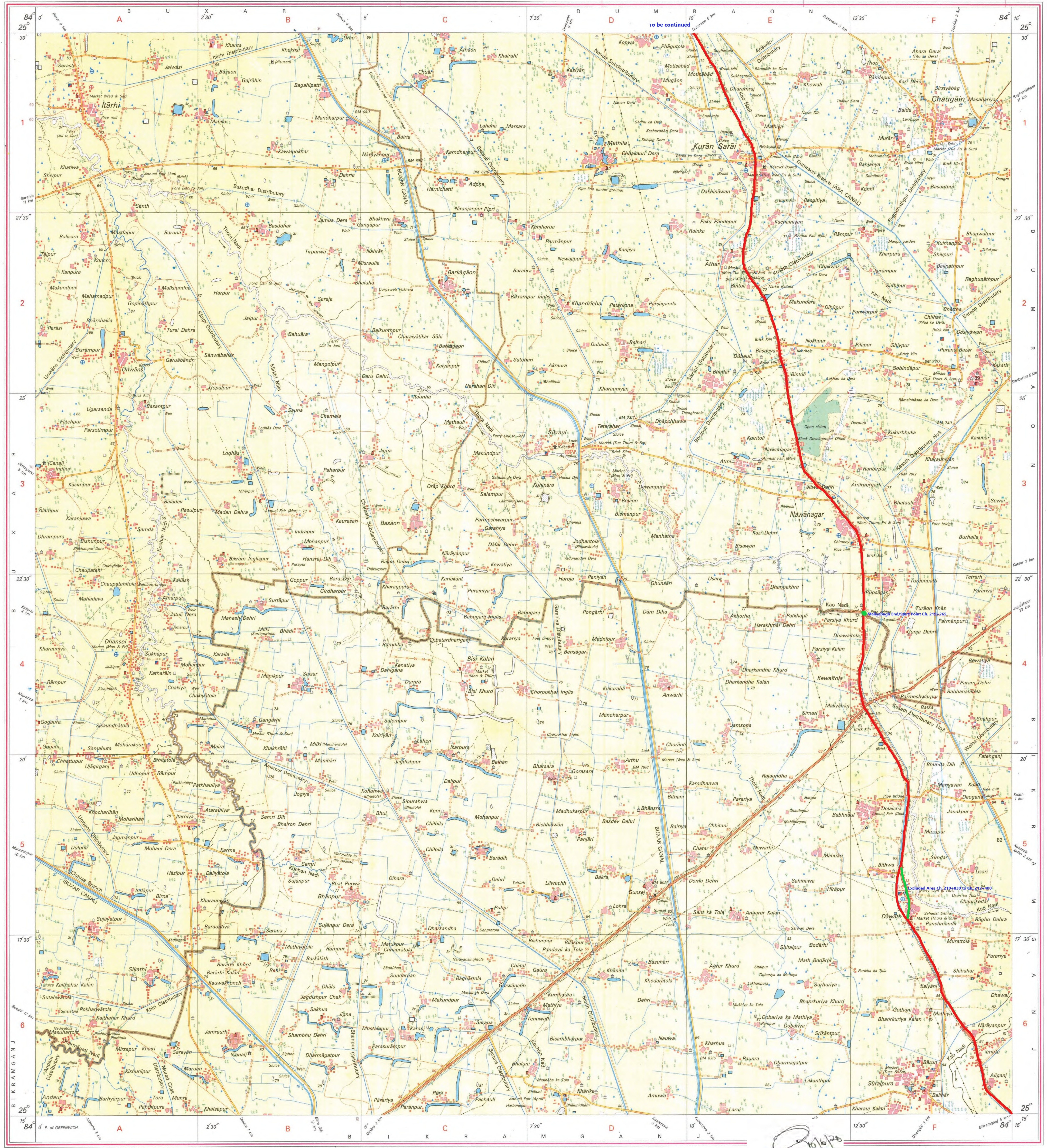
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Survey of India, 164, Sheikhpura House, Sheikhpura

Patna - 800014.

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AND ROHTAS DISTRICTS.

Surveyed 1974-75.

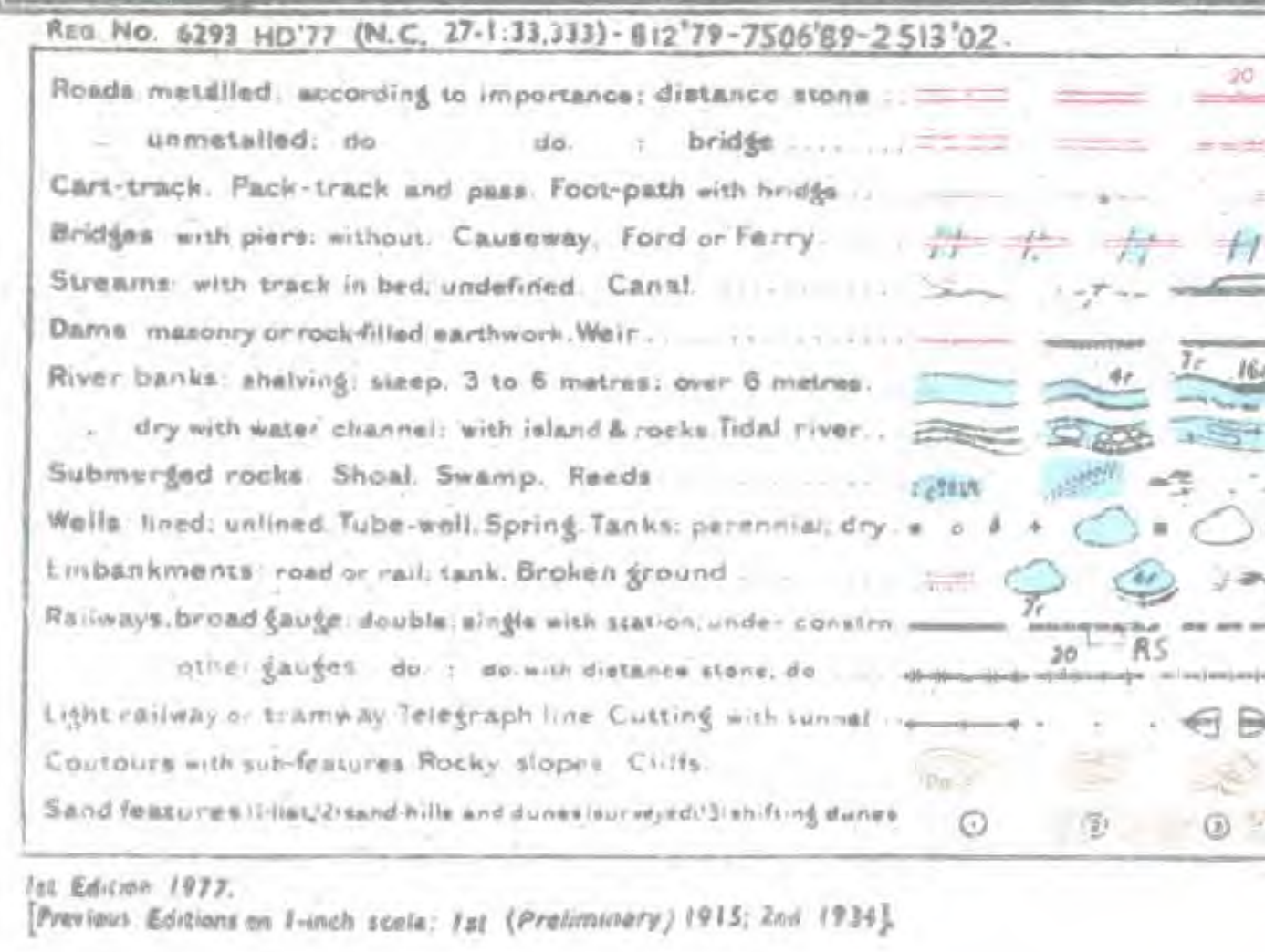
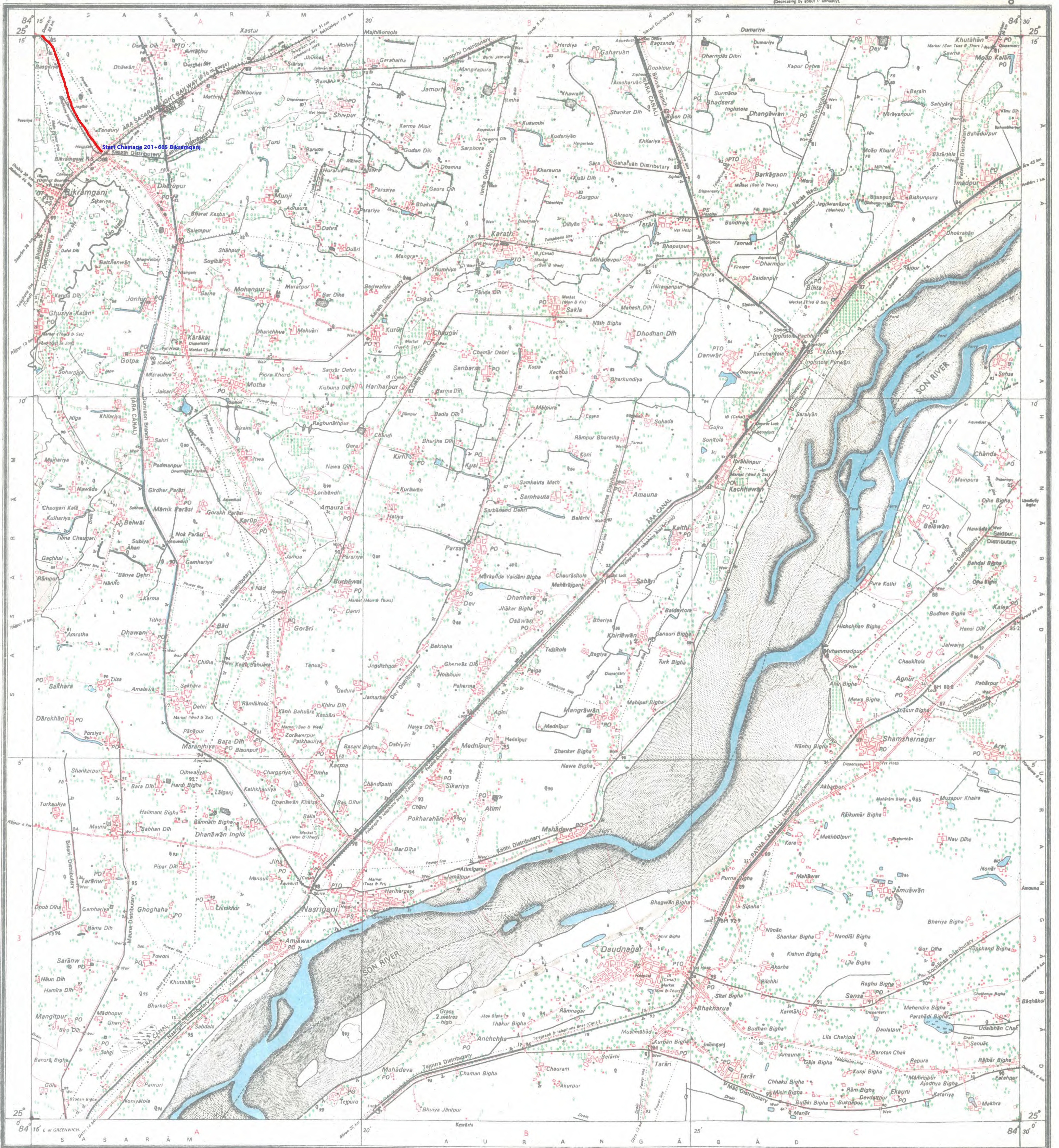
BIHAR

FIRST EDITION

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

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No. 72 C/8



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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

Contours are shown in blue where they generally contain water.
Contours are shown in brown where they generally do not contain water.
Contours are shown in green where they generally contain water.
Contours are shown in red where they generally do not contain water.
Contours are shown in black where they generally do not contain water.

Administrative Index



Towns or Villages: inhabited, deserted, fort, ruins, permanent, temporary, tower, antiquities, etc.
Temples, Churches, Mosques, etc.
Lighthouses, Lightships, Buoys, etc.
Mines, Vines, etc.
Boundary pillars, surveyed, unsurveyed, village, etc.
Boundary pillars, surveyed, unsurveyed, village, etc.
Boundary pillars, surveyed, unsurveyed, village, etc.

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REFERENCES
V. N. Rao, Surveyor General of India, 1977.
N.H. 30 National Highway No. 30.