

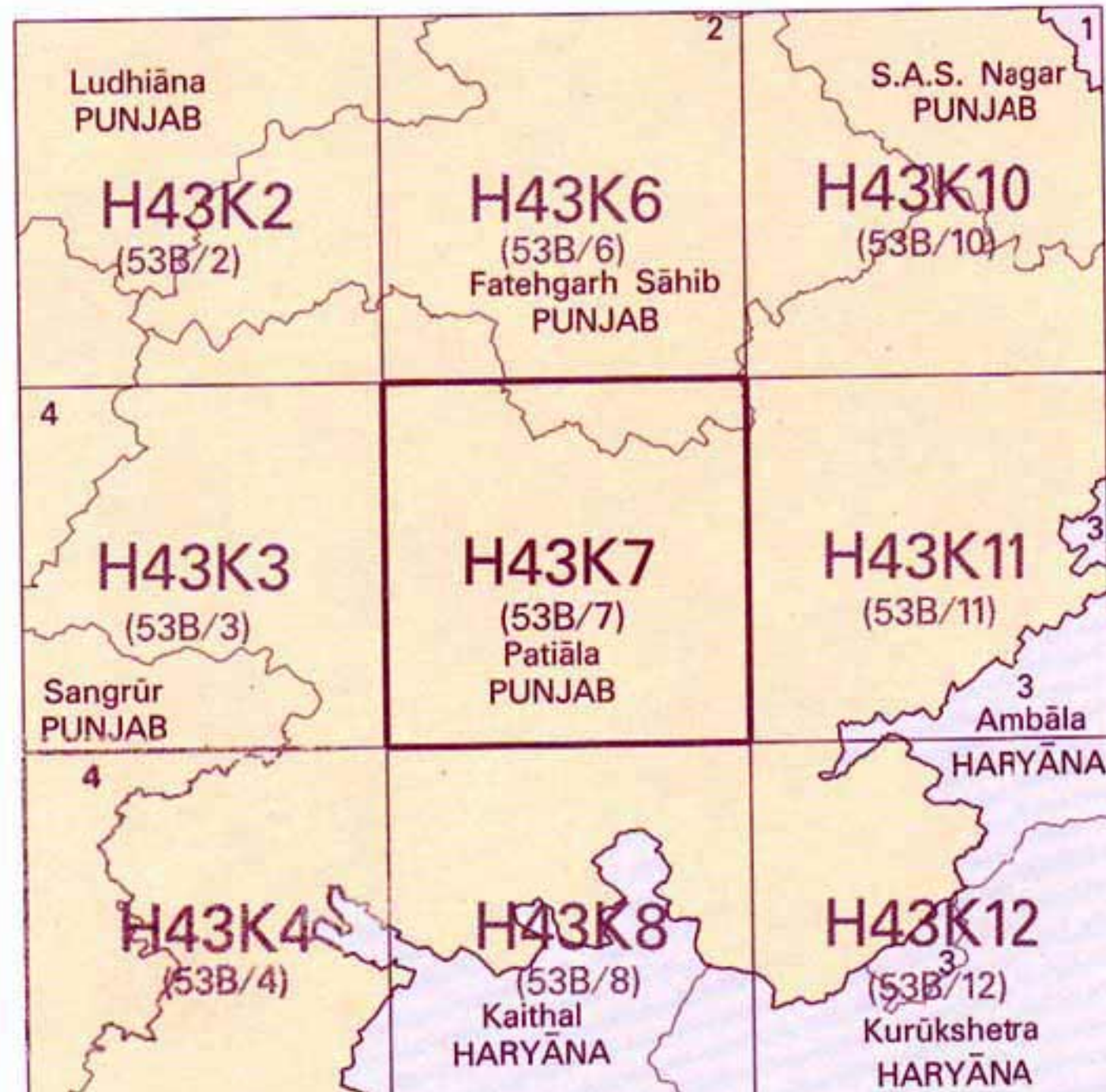


निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. H43K7

Scale 1:50,000



1 Chandigarh, U.T.
2 Rupnagar, PUNJAB.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

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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; 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; under constr.
Railways, other gauges: double; single with distance stone; do
Mineral line or tramway, Kila, Cutting with tunnel
Contours with sub-features, Rocky slopes, Cliffs
Sand features: (Tidal) Sand-hills (permanent), (Sludges) Shifting
Towns or Villages: inhabited; deserted, Fort
Hubs: 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; village junction
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
Hospital, Dispensary, Veterinary: Hospital / Dispensary
Aerodrome, Helipad, Tourist site
Power line: with pylons surveyed; with poles unsurveyed

REFERENCE

NH 64 National Highway No. 64

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
The triangulated 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.
A relative height, 6r, represents the approximate height, in metres, between the top and bottom of a steep slope.
A relative height, e.g., 3r marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.
Canal distance stones are 1000 feet apart and every existing fifth stone is shown.
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.
3000-acre reclamation of Bhakra Dam Project surveys based on Origin 30° 00' N, 75° 15' E with their numbers are shown as tertiary bench-marks thus: F 312, BM 246.7.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribbons.

COMPILATION INDEX

A. Compiled from 1:25,000 Survey, 1993-94.
Updated for major details during 2004-05.

Projection - UTM Datum - WGS 84

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

1:50,000

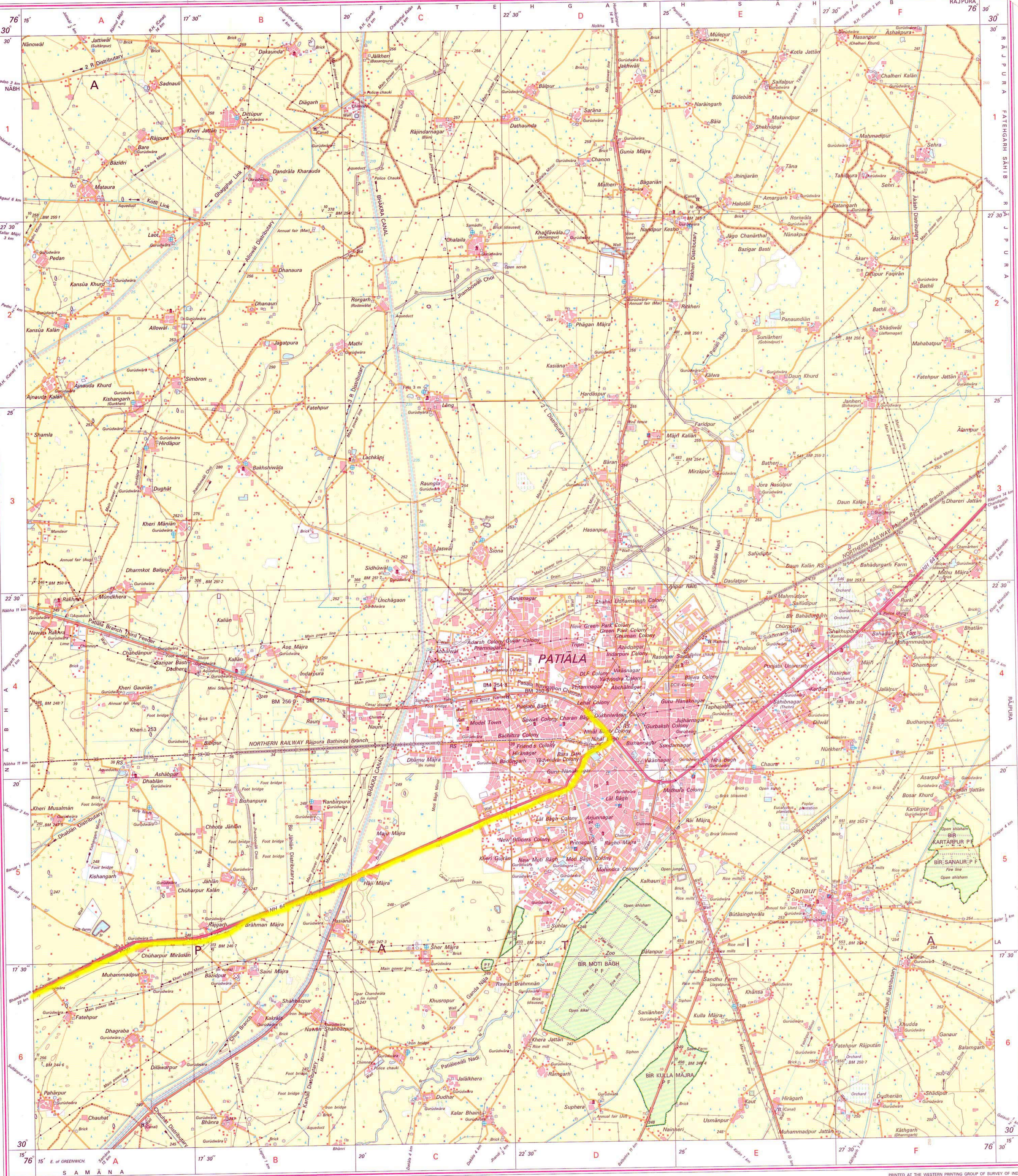
Metres 1000 500 0 1 2 3 Kilometres
CONTOUR INTERVAL 10 METRES

For further details about this map, please contact

Director
Punjab & Chandigarh Geo-Spatial Data Centre
Survey of India, Sector 32 A
Chandigarh.
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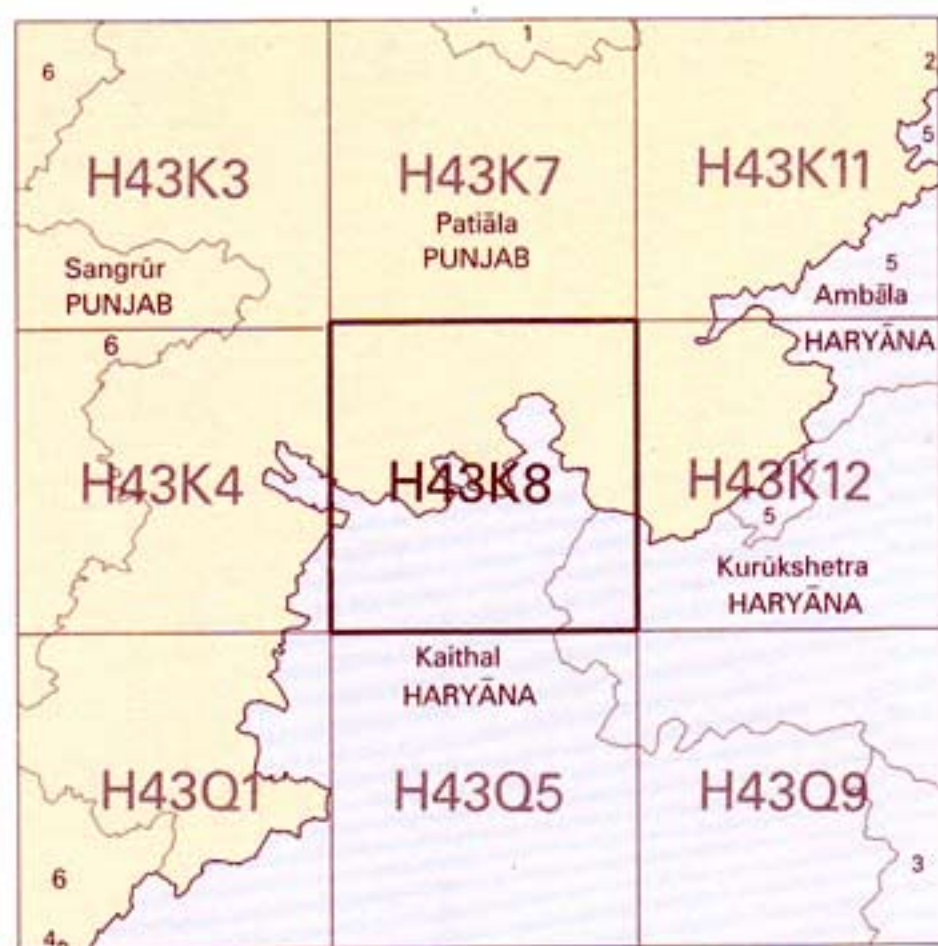
REG. No. 145/MWP/D 09 (P&C) GDC-150,000-1C24

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Department of Science & Technology, Government of India.

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No. H43K8

Scale 1:50,000



1 Fatehgarh Sahib, PUNJAB.
2 Sahibzada Ajit Singh Nagar, PUNJAB.
3 Karnal, HARYANA.
4 Kaithal, HARYANA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2007.

Price **RS 178**

CONVENTIONAL SYMBOLS



NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g., 3m, marked along a canal, indicates the height of top of the canal embankment above the adjacent country.
Tanks shown dry, in this area usually contain water from July to October.
Tube-wells are numerous throughout the sheet; only the important ones have been shown.
Important buildings are shown in black with name.
The 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.
All cart-tracks and unmetalled roads along canals are motorable throughout the year. Permission to use these is required from the irrigation authorities. Other cart-tracks are generally motorable in dry season.
Canal distance stones are 1000 feet apart and every existing fifth stone is shown.
The state boundary between Haryana and Punjab States has been surveyed as pointed out by the local officials on the ground but has not been verified by the Governments concerned.
A relative height e.g., 3m, represents the approximate height in metres, between the top and bottom of a steep slope.
3,000-acre reclamation scheme of Bhakra Dam Project Survey based on Origin 30° 00' N 75° 15' E with their numbers are shown as tertiary bench-marks thus—P 375, BM 237.4.

COMPILATION INDEX
A. Compiled from 1:25,000 survey, 1993-94.
Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

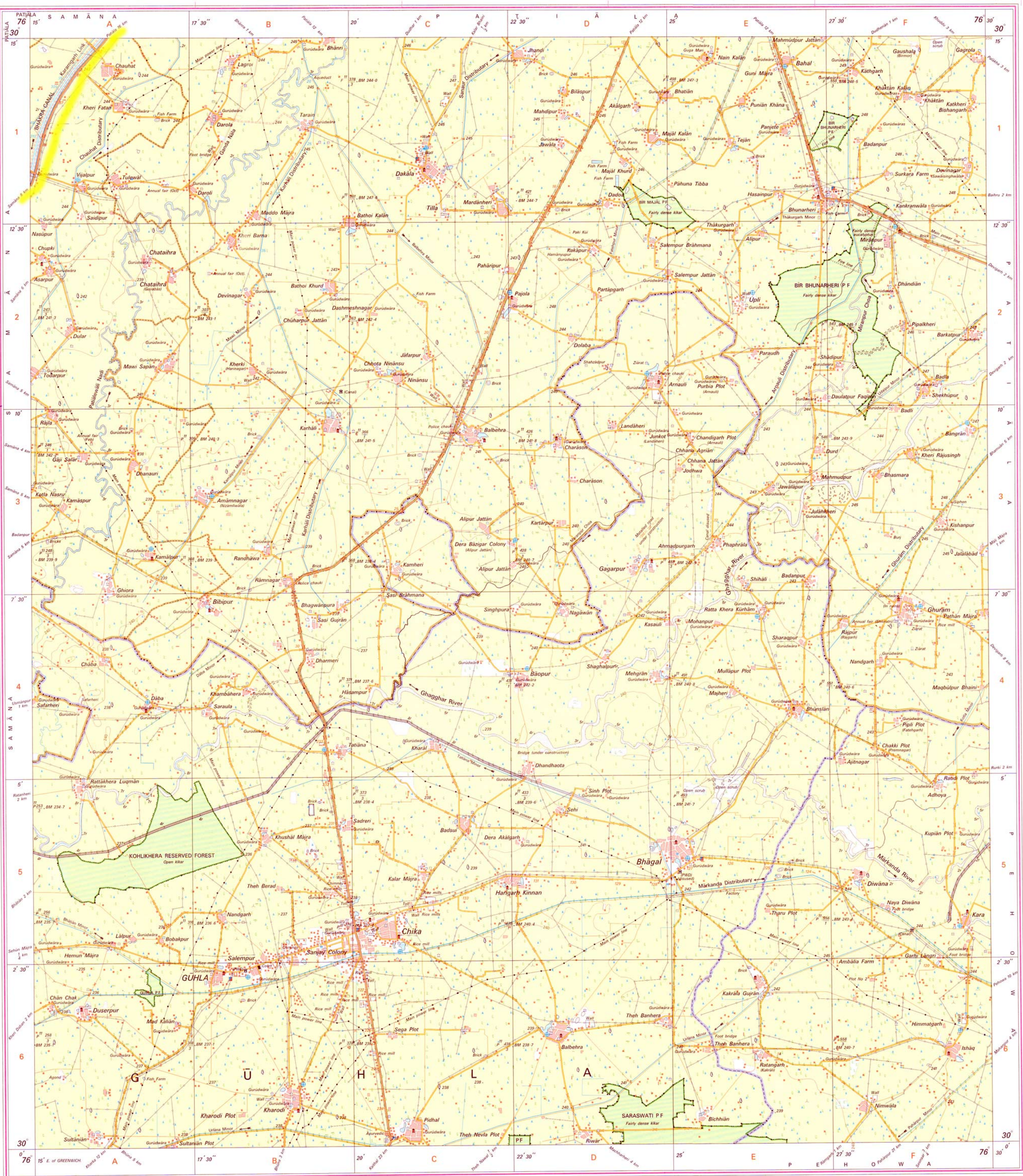
Magnetic Variation from True North about 1° East in 2005.
(Increasing by about 1° annually).

1:50,000

For further details about this map, please contact:

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REG. No. 94 (49-WP) D 07 (P&C GDC-1:50,000)-1518.

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Published under the direction of Major General M. Gopal Rao, B.Tech., P.G.Dip. (Aerial Photo), MME, MCA, FIS, Surveyor General of India,
Survey of India, Hithibarkala Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand)
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OPEN SERIES
MAP

No. H43K4

Scale 1:50,000

H43J15	H43K3	H43K7
Sangrūr PUNJAB		Patāla PUNJAB
H43J16	H43K4	H43K8
H43P13	H43Q1	H43Q5
		Kaithāl HARYANA

1 Fatehgarh Sahib, PUNJAB.
2 Mansa, PUNJAB.
3 Jind, HARYANA.

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SURVEY OF INDIA

1st Edition 2007.

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- River; dry with water channel; with island & rocks; Tidal river
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- Railways, other gauges; double; single with distance stone; do.
- Mineral line or tramway; Kin. Cutting with tunnel
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- Lighthouse; Lightship; Buoys; lighted; unlighted; Anchorage
- Mine; Vein on trelis; Grass; Scrub
- Palms; palmyra; other; Plantain; Conifer; Bamboo; Other trees
- Areas; cultivated; wooded; Surveyed tree
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- Camping ground; Forest; reserved; protected
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- Hospital; Dispensary; Veterinary hospital
- Aerodrome; Helipad; Tourist site
- Power line; with pylons surveyed; with poles unsurveyed

REFERENCE

NH 71 National Highway No. 71

NOTES

- Heights are in metres and above Indian mean sea level.
- Contours are approximate.
- A relative height, e.g. 3r represents the approximate height in metres between the top and bottom of a steep slope.
- All cart-tracks and unmetalled roads along canals are motorable throughout the year. Permission to use these is required from the irrigation authorities. Other cart-tracks and unmetalled roads are generally motorable in dry season.
- A relative height, e.g. 4r 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 July to December.
- Tube-wells 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 heights of the spirit-levelled bench-marks and may not be strictly in accordance with them.
- The state boundary between Haryana and Punjab States has been surveyed as pointed out by the local officials on the ground but has not been verified by the Governments concerned.
- Distance shown along Ghaggar Branch (SIRINDH CANAL), Ladhiana Distributary, Bahangarh Branch and Atilan Branch canals is in miles and every existing one is shown whereas along other canals and drains, these are 1,000 feet apart and every existing fifth stone is shown.
- 3,000-acre rectangulation stones of Bhakra Dam Project Survey based on Origin 36° 0' N, 75° 15' E with their numbers are shown as tertiary bench-marks thus:— g 11 558 BM 236.5

COMPILED INDEX

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Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

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

1:50,000

500 m to 1 cm

Metres 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 10 METRES

For further details about this map, please contact

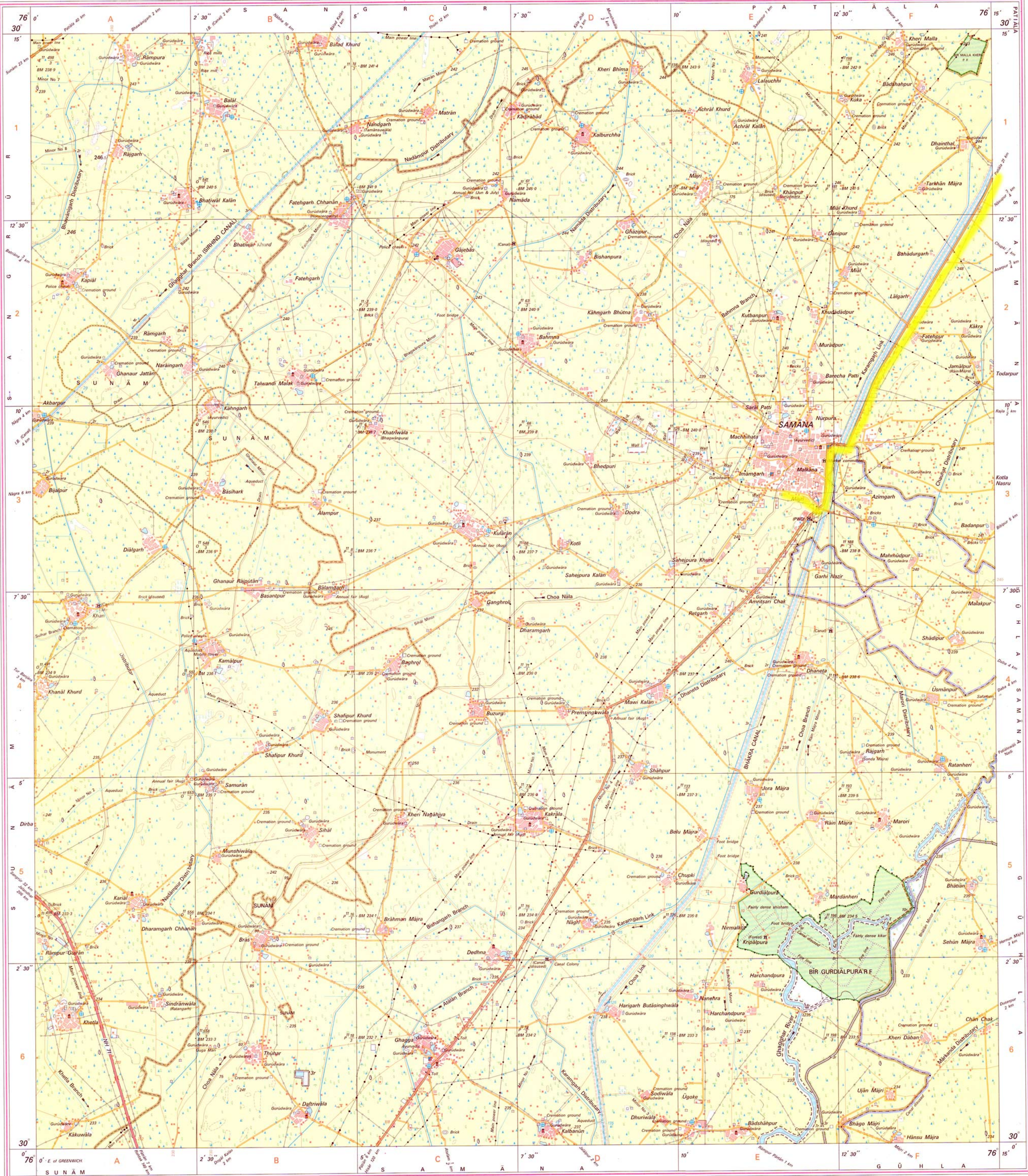
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REG. No. 10000/99 G.D. 07 (P.C. GDC-130,000-510)

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