निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. H43P9

Scale 1:50,000

Bathinda PUNJAB / Barnāla PUNJAB H43J8 (44N/8)	H43J12 (44N/12)	Sangrūr PUNJAB H43J16 (44N/16)
Mānsa PUNJAB H43P5 (44O/5)	H43P9 (44O/9)	H43P13 (44O/13)
H43P6 (44O/6)	Fatehābād HARYĀNA H43P10 (44O/10)	H43P14 (44O/14)

1 Sirsa, HARYĀNA.
2 Patiāla, PUNJAB.
3 Jind, HARYĀNA.
4 Hisar, HARYĀNA.

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1st Edition 2009. Price Rs. 30

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; meter gauge.
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: (Tibbā) Dune-hills (permanent). (3)dune(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, tahsil or tālluk; forest
Boundary pillars: surveyed; unlocated; village trijunction
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 R F P F
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

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Tanks, shown dry, in this area usually contain water from July to March.
Unmetalled roads and cart-tracks in this sheet are generally motorable in dry season. Permission to use those along canals is required from the Irrigation authorities.
A relative height , 4r , 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 along Boha Distributary, Budhlāda Branch (SIRHIND CANAL), Saidewāla Branch, (SIRHIND CANAL), Suṅām Distributary, Kukrān Branch and Minor No.5 are 5,000 feet apart every existing stone is shown whereas along BHAKRA CANAL Main Branch, Bareta Drain, Sirhind Choe, Bādalgarh Distributary and Ratangarh Distributary these are 1,000 feet apart and every existing fifth stone is shown.
The state boundary between Haryāna 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.
3,000-acre rectangulation stones of Bhākra Dam Project Surveys based on Origin. 30°00' N, 75°15' E with their numbers are shown as tertiary bench-marks thus X 556/7 BM 219·3.

COMPILATION INDEX

A. Compiled from 1:25,000 survey, 1984-85.
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).

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

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 10 METRES

For further details about this map, please contact
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Fax : 0172 – 2604671

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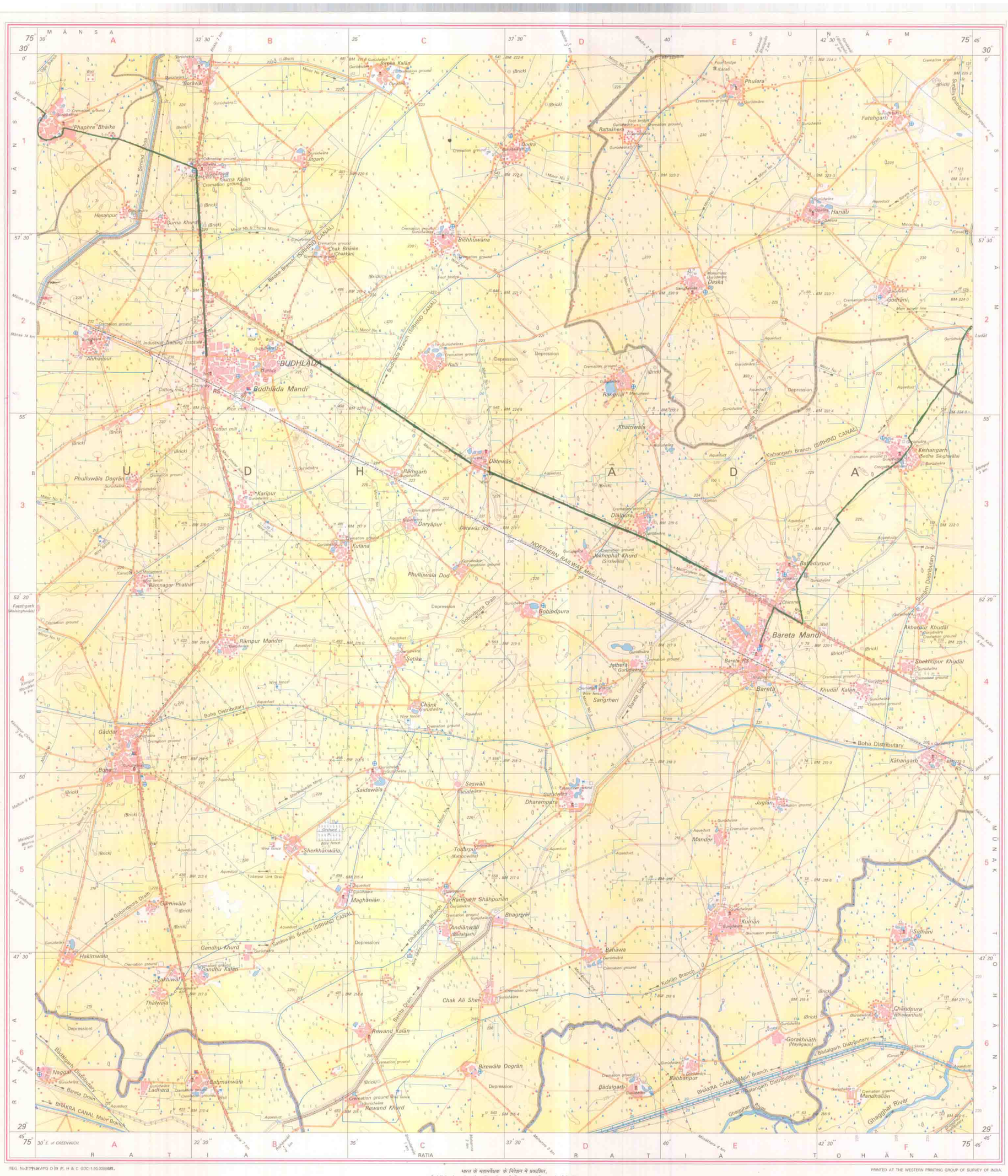

REG. No. 3779(08) WPG D (9) (F, H & C GDC-1:50,000) (08).

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Department of Science & Technology, Government of India.

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NOT FOR EXPORT

OPEN SERIES MAP

No. H43P5

Scale 1:50,000

H43J4 Bathinda PUNJAB	H43J8	Sangrūr PUNJAB H43J12
H43P1	Mānsa PUNJAB H43P5	H43P9
Sirsa HARYĀNA H43P2	H43P6	Hisār HARYĀNA H43P10

1 Sangrūr, PUNJAB.

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1st Edition 2006. Price Rs. 50/-

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. Resifs
Wells: lined; unlined. Tube-well. Spring. Tanks: perennial; dry
Embankments: road or rail; tank. Broken ground
Railways, broad gauge: double; single with station; under constrn
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, tahsil or tāluk; forest
" Pillars: surveyed; unlocated; village trijunction
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 — CG, RF, PF
Spaced names: administrative; locality or tribal — KIKRI, NAGA
Hospital. Dispensary. Veterinary hospital
Aerodrome. Helipad. Tourist site
Power line: with pylons surveyed; with poles unsurveyed

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height; e.g., 4r, 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.
Unmetalled roads and cart-tracks in this sheet are generally motorable in dry season. Permission to use those along canals is required from the Irrigation authorities.
Canal distance stones along BHAKRA CANAL Main Branch and Sirhind Drain are 1,000 feet apart and every existing fifth stone is shown. Other canal distance stones are 5,000 feet apart and existing ones have been shown.
Avenues of trees, exist along all main and branch canals in this sheet.
The state boundary between Haryāna 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.
3,000-acre rectangulation stones of Bhākra Dam Project Surveys based on Origin 30°00′ N. 75°15′ E with their numbers are shown as tertiary bench-marks thus:- E 7/307 BM 212·7.

COMPILATION INDEX

A. Surveyed during 1984-85.
Compiled from 1:25,000 survey, with additions and alterations based on rapid verification survey carried out during 2005-06.

Projection – UTM Datum – WGS 84

Magnetic Variation from True North about 1° East in 2000.
(Increasing by about 2′ 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 METRES

For further details about this map, please contact
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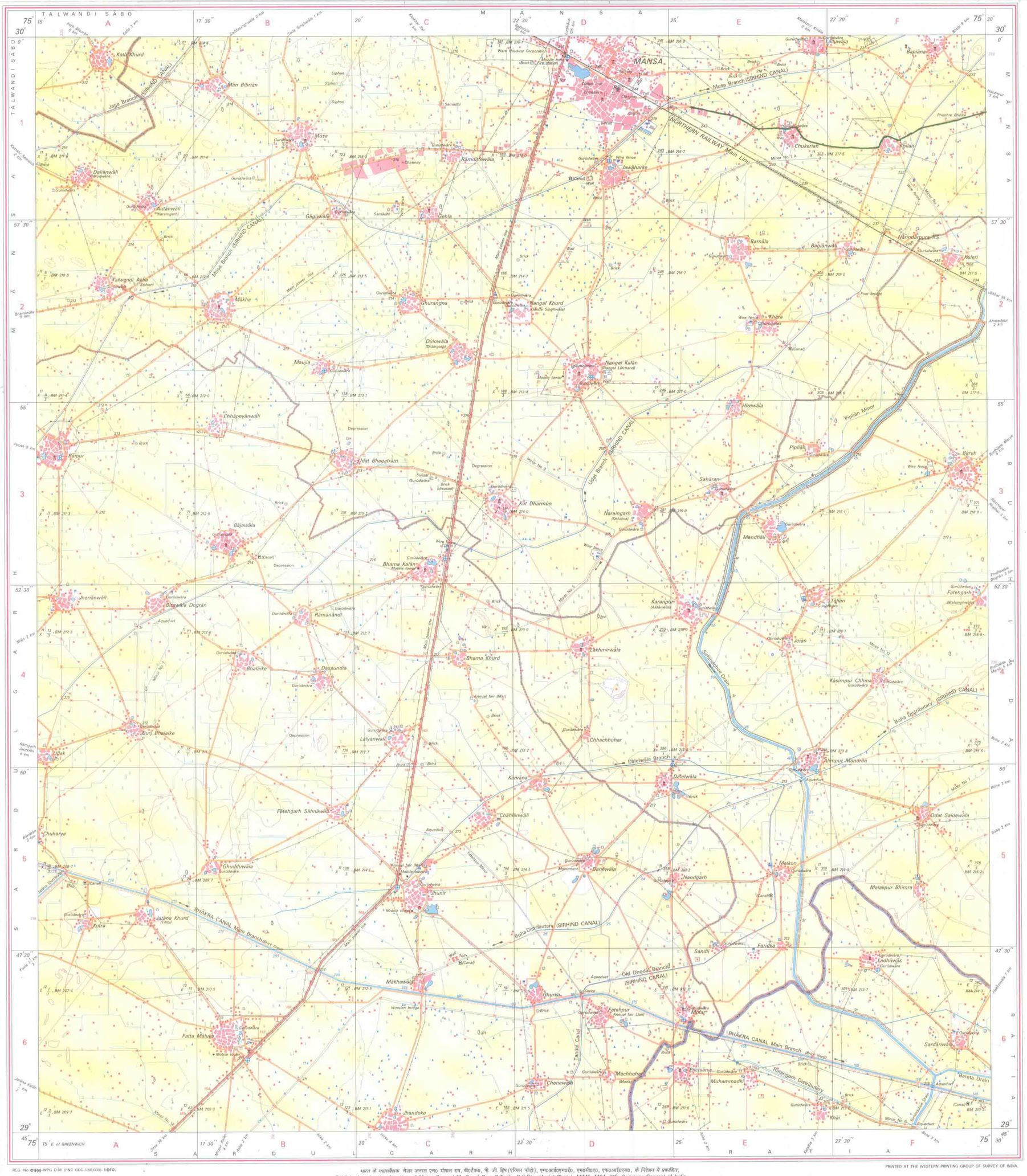

REG. No. O 9(i)-WPG D.B. (P&C GDC-1:50,000)- 1 0 7 0.

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Published under the direction of Major General M. Gopal Rao, B.Tech., P.G.Dip. (Aerial Photo), MIME, MCA, FIS, Surveyor General of India,
Survey of India, Hāthibarkala Estate, Post Box No. 37, Dehra Dūn – 248001 (Uttarānchal)
Department of Science & Technology, Government of India.

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निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. H43J8

Scale 1:50,000

H43J3 (44N/3)	H43J7 (44N/7) Bamāla PUNJAB	H43J11 (44N/11)
H43J4 (44N/4) Bathinda PUNJAB	H43J8 (44N/8) Mānsa PUNJAB	H43J12 (44N/12) Sangrūr PUNJAB
H43P1 (44O/1) Sirsa HARYĀNA	H43P5 (44O/5)	H43P9 (44O/9)

1 Farīdkot, PUNJAB.
2 Fatehābād, HARYĀNA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

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Temple. Chhatri. Church. Mosque. Idgāh. Tomb. Graves
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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 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 .63
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

NOTES :-

Permission to use cart-tracks and unmetalled roads along canals is required from the Irrigation authorities.
A relative height, e.g. ‗3r‗ marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.
Distance stones along canals are 5,000 feet apart and every existing one is shown, whereas along protective embankment these are 1,000 feet apart and every existing fifth stone is shown.
A relative height, e.g. ‗4‗ represents the approximate height, in metres, between the top and bottom of a steep slope.
Tube-wells are numerous throughout the sheet; only the important ones have been shown.
The administrative boundaries and names have been brought up to date to 2007.

COMPILATION INDEX

A

A. Compiled from 1:25,000 Survey, 1984-85. 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).

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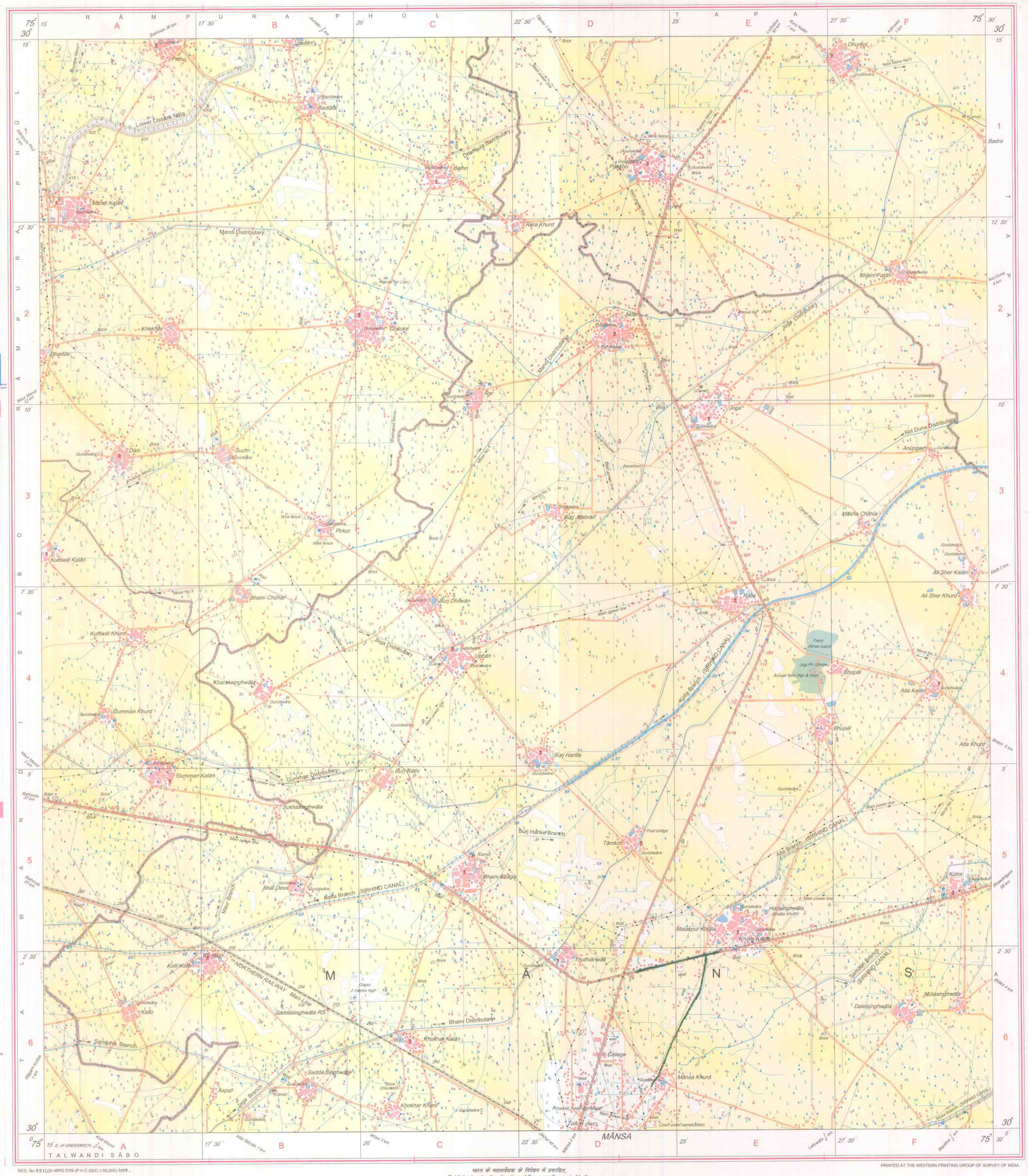

REG. No. ३ ९ (C)9 -WPG D'09 (P H C GDC-1:50,000)-1015 .

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