

निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. H43R1

Scale 1:50,000

H43K16 H43L4 H43L8
Kurukshetra HARYANA

H43Q13 H43R1 H43R5
Saharanpur UTTAR PRADESH

H43Q14 H43R2 H43R6
Muzaffarnagar UTTAR PRADESH

1 Pānīpat, HARYANA.
2 Ambāla, HARYANA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2007. 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. 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 station; under constr.

Mineral line or tramway. Kiln. Cutting with tunnel; do

Contours: with sub-features. Rocky slopes. Cliffs

Sand features: (Tiffat) (Zisand-hills) (permanent). (Siddheshtiffat)

Huts: permanent; temporary. Tower. Antiquities

Temple. Chhatra. Church. Mosque. Idgah. Tomb. Graves

Lighthouse. Lightship. Buoy: 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 trijunction

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

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. 3r, represents the approximate height in metres, between the top and bottom of a steep slope.

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.

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

The area adjoining the Yamuna River is liable to change owing to continual fluctuation in the course of the river.

3,000-acre rectangulation stones of Bhakra Dam Project Surveys are shown as tertiary bench-marks thus: 12 258 BM 245-1

COMPILED INDEX

A. Surveyed during 1988-89. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 2° East in 2005. (Increasing 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

Haryana Geo-Spatial Data Centre

Survey of India, Sector 32 A

Chandigarh.

Fax : 0172 - 2604671

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REG. No. 83(0)-WPS D 07 (Haryana GDC-150,000)-1510.

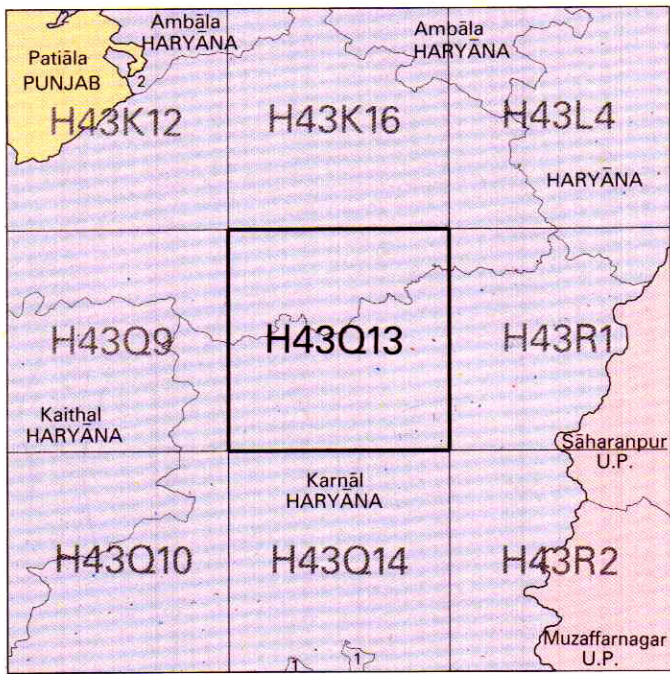
भारत के सर्वेक्षण विभाग ने जल संचयन एमो गोपाल राव, पी.जी.टी. (एरियल फोटो), एम.ए.टी. (एरियल फोटो), एम.ए.टी. (एरियल फोटो), के निदेशन में प्रकाशित, Published under the direction of Major General M. Gopal Rao, B.Tech., P.G.Dip. (Aerial Photo), MIMC, MCA, FIS, Surveyor General of India, Survey of India, Hathi Bakkala Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand) Department of Science & Technology, Government of India.

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Divisional Forest Officer, Karnal Forest Division, KARNAL

No. H43Q13

Scale 1:50,000



भारतीय सर्वेक्षण विभाग
SURVEY OF INDIA

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- CONVENTIONAL SYMBOLS
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 - Streams with track in bed; undefined, Canal
 - Dams: masonry or rock-filled; earthwork, Well
 - 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, Kiln, Cutting with tunnel; do
 - Contours with sub-features, Rocky slopes, Cliffs
 - Sand features: (Tiffat/Gizzard-hills permanent), (Sidunes/shifting)
 - Towns or Villages: inhabited; deserted, Fort
 - Huts: permanent; temporary, Tower, Antiquities
 - Temple, Chhatra, Church, Mosque, Idgah, Tomb, Graves
 - Lighthouse, Lightship, Buoy: 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
 - Pillars: surveyed; unlocated; village trijunction
 - Heights, triangulated; station; point; approximate
 - Bench-mark: geodetic; tertiary; canal
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 - Camping ground, Forest: reserved; protected
 - Spaced names: administrative; locally or tribal
 - Hospital, Dispensary, Veterinary hospital
 - Aerodrome, Helipad, Tourist site
 - Power line: with pylons surveyed; with poles unsurveyed

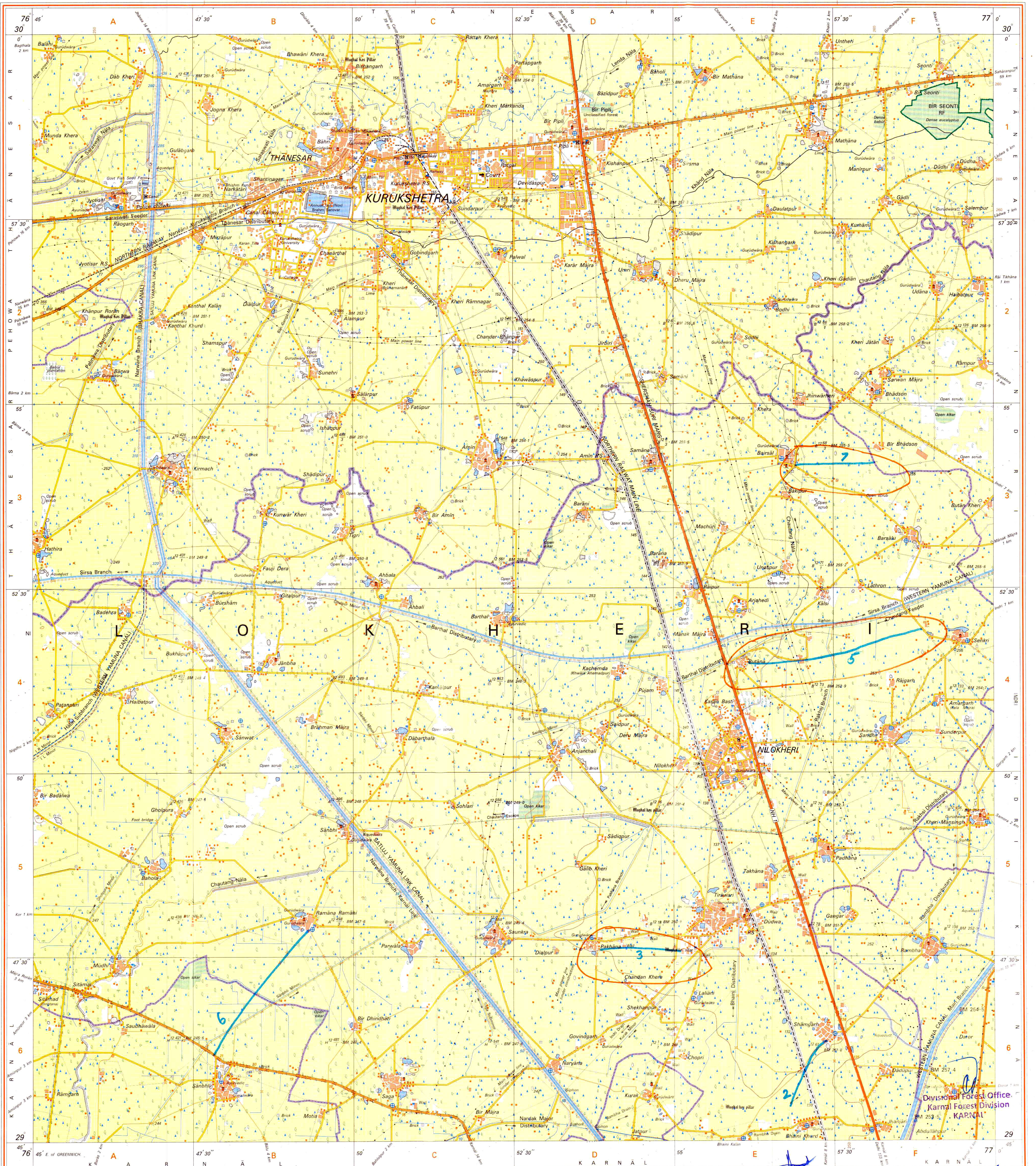
REFERENCE
NH 1 National Highway No. 1

NOTES :-
Heights are in metres and above Indian mean sea level.
Contours are approximate.
Important Government building are shown in black with names.
Tanks shown dry, in this area usually contain water from July to December.
A relative height e.g., 2 represents the approximate height in metres between the top and bottom of a steep slope.
Unmetalled roads and cart-tracks in this sheet are generally motorable in dry season. Permission to use these along canals is required from the Irrigation authorities.
3,000-acre reclamation stones of Bhakra Dam Project Surveys are shown as tertiary bench-marks thus ... B 338 BM 252.9.

COMPILED INDEX
A. Surveyed during 1989-90. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1 East in 2000.
(Increasing by about 2' annually).
1:50,000
500 m to 1 cm
2 cm to 1 km
CONTOUR INTERVAL 10 METRES
For further details about this map, please contact
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Haryana Geo-Spatial Data Centre
Survey of India, Sector 32 A
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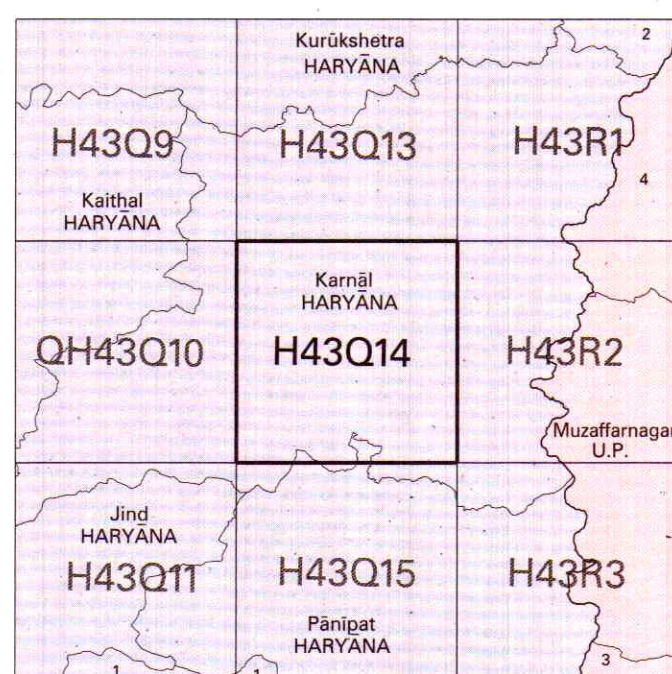


NOT FOR EXPORT

OPEN SERIES
MAP

No. H43Q14

Scale 1:50,000



1 Sonīpat, HARYĀNA	3 Bāghpat, U.P.
2 Yamunānagar, HARYĀNA.	4 Sahāranpur, U.P.

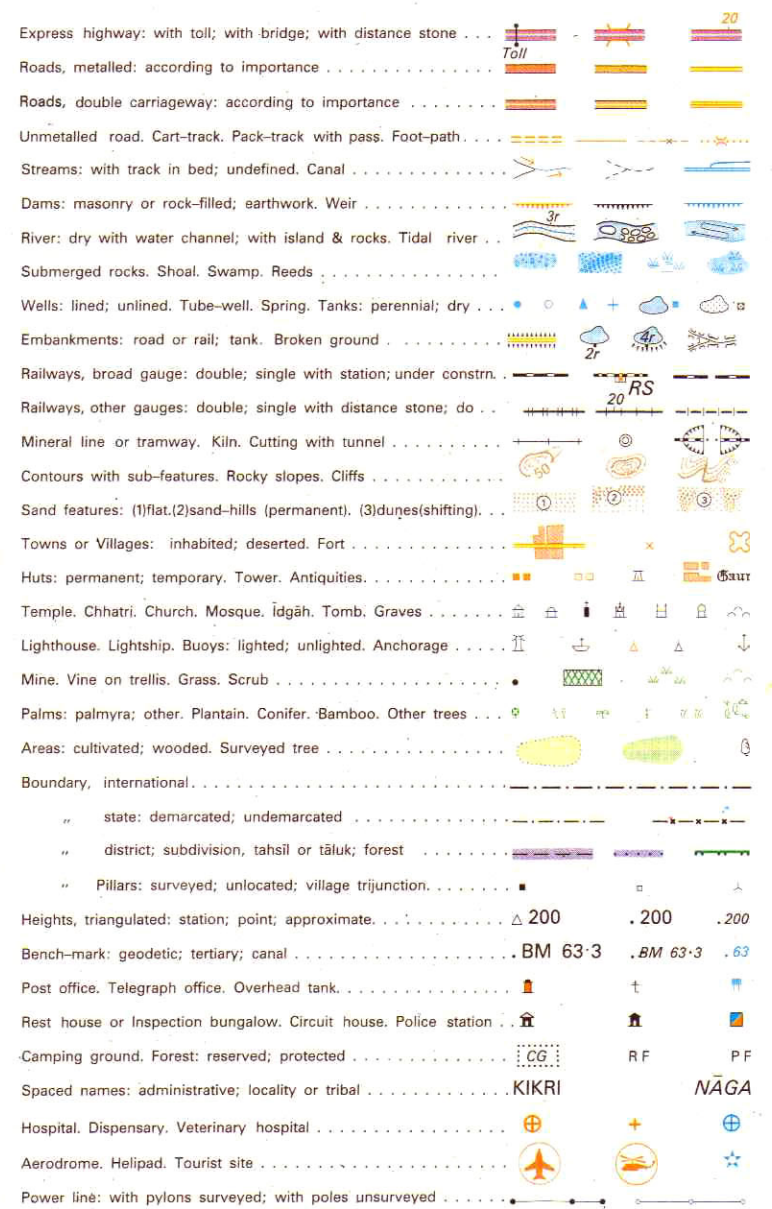
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CONVENTIONAL SYMBOLS



REFERENCE

NH 1 National Highway No. 1

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, e.g., 2c marked along a canal indicates the height of the top of the canal embankment above the adjacent country.
3,000-acre rectangulation studies of Bhakra Dam Project surveys and their numbers are shown as tertiary bench-marks thus: . . . H⁴⁹³ BM 241-3

COMPILATION INDEX

A. Surveyed during 1989–90. Updated for major details during 2005–06.

Projection – UTM Datum – WGS 84

Magnetic Variation from True North about $\frac{3^\circ}{4}$ East in 2000.
(Increasing by about $2'$ annually).

1:50,000

Metres 1000 500 0 1 2 3

CONTOUR INTERVAL 10 METRES

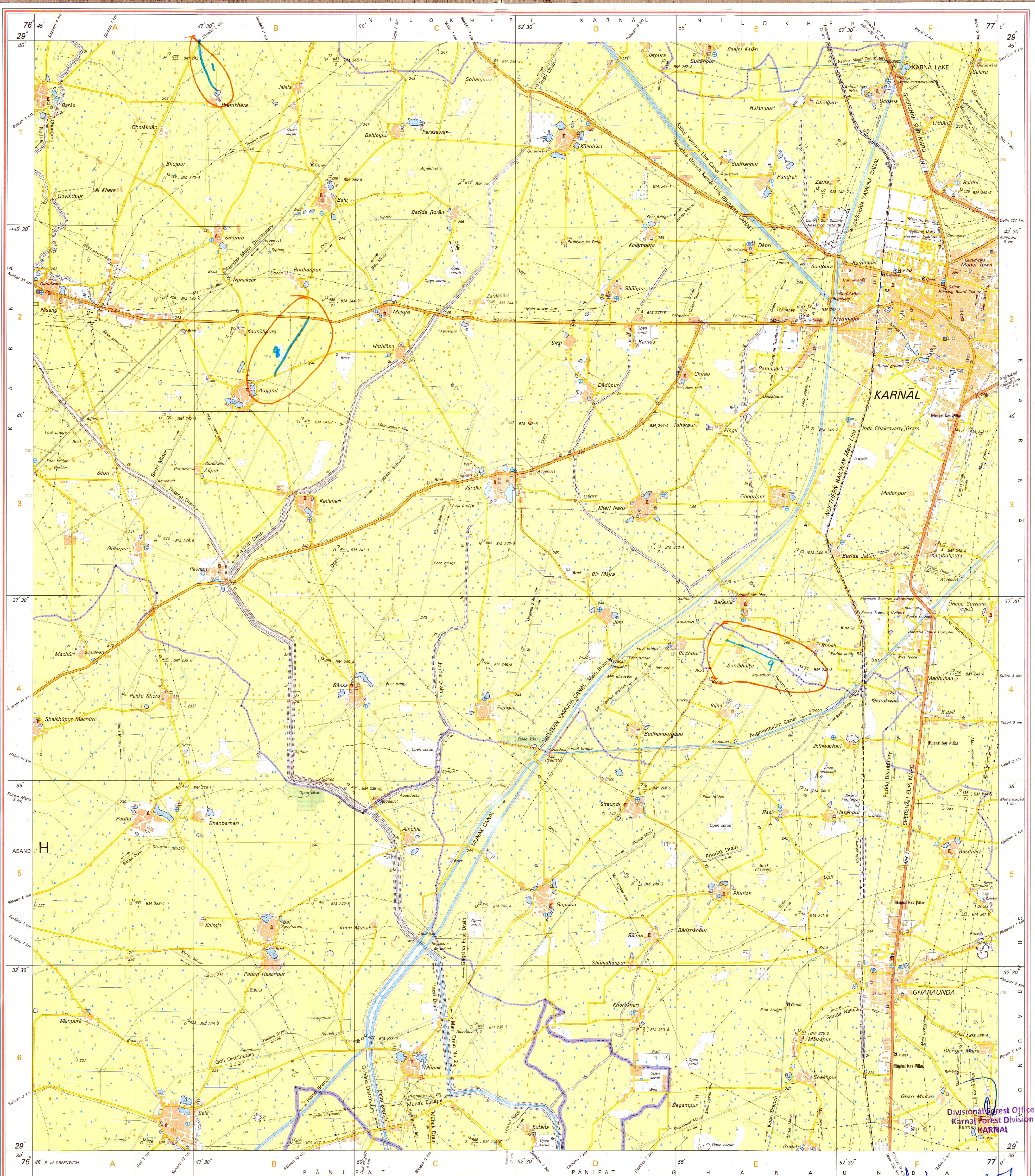
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