



NOT FOR EXPORT

OPEN SERIES
MAP

No. H43W5

Scale 1:50,000

H4304 HARYANA	H4308 HARYANA	H43012 SONPAT HARYANA
H43W1 BHIWANI HARYANA	H43W5 HARYANA	H43W9 ROHTAK HARYANA
H43W2 HARYANA	H43W6 HARYANA	H43W10 JHAJJAR HARYANA

भारतीय सर्वेक्षण विभाग
SURVEY OF INDIA

1st Edition 2005.

Rs. 18

CONVENTIONAL SYMBOLS

Express highway, with toll, with bridge, with distance stone	20
Road, metalled, according to importance	10
Road, double carriageway, according to importance	10
Unmetalled road, Cart-track, Pack-track with pass, Foot-path	10
Streams: with track in bed, underlined, Canal	10
Dams: masonry or rock-filled, earthwork, Well	10
River: dry with water channel, with island & rocks, Tidal river	10
Submerged rocks, Shoal, Swamp, Reeds	10
Wells: lined, unlined, Tube-well, Spring, Tanks: perennial, dry	10
Embankments: road or rail, tank, Broken ground	10
Railways: broad gauge, double, single with station, under construction	10
Railways, other gauges, double, single with distance stone, do	10
Mineral line or tramway, Kite, Cutting with tunnel	10
Contours with sub-features, Rocky slopes, Cliffs	10
Sand features: (Dune), (Zang-hill), (permanent), (disappearing)	10
Towns or Villages: inhabited, deserted, Fort	10
Huts: permanent, temporary, Tower, Antiquities	10
Temple, Chhatra, Church, Mosque, Jagan, Tomb, Graves	10
Lighthouse, Lightship, Buoy, Lighted, unlighted, Anchorage	10
Mine: View on trestle, Grass, Scrub	10
Palms: palm, other, Plantain, Conifer, Bamboo, Other trees	10
Areas cultivated, wooded, Surveyed tree	10
Boundary, international	10
state: demarcated, undemarcated	10
district: subdivided, tahsil or taluk, forest	10
Pillar: surveyed, unlocated, village, junction	10
Heights, triangulated, station, point, approximate	200, 200, 200
Bench-mark: geodetic, tertiary, canal	BM 63-3, BM 63-2
Post office, Telegraph office, Overhead tank	10
Rail house or inspection bungalow, Circuit house, Police station	10
Camping ground, Forest: reserved, protected	10, 10
Spaced names: administrative, locality or tribal	KIKRI, NAGA
Hospital, Dispensary, Veterinary hospital	10
Aerodrome, Helped, Tourist also	10
Power line: with pylons surveyed, with poles unsurveyed	10

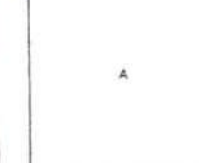
REFERENCES
NH-10 National Highway No. 10 NR Northern Railway

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.
Canal distance stone are 1,000 feet apart and every existing fifth stone is 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.
Important buildings are shown in black with names.

COMPILED INDEX

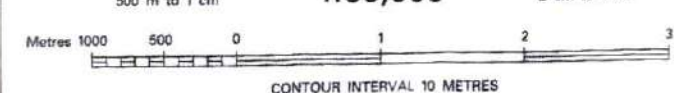
A. Surveyed during 1980-81. Updated for major details during 2004-05.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 3° East in 2000.
(Increasing by about 2' annually).

1:50,000



CONTOUR INTERVAL 10 METRES

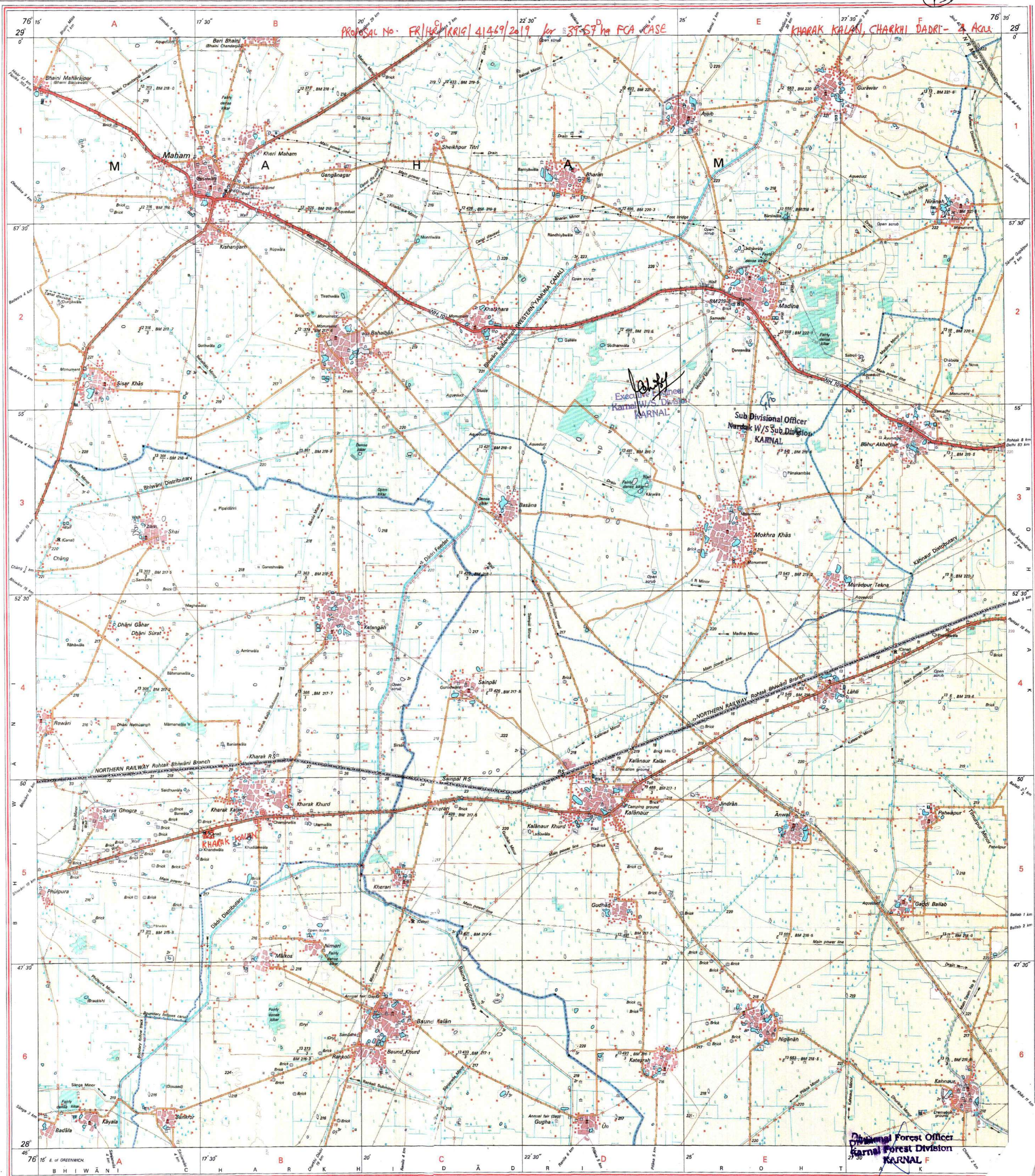
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REG. No. 26/03-WFS D 57 (Haryana GDC 1:50,000-1516)

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Department of Science & Technology, Government of India.

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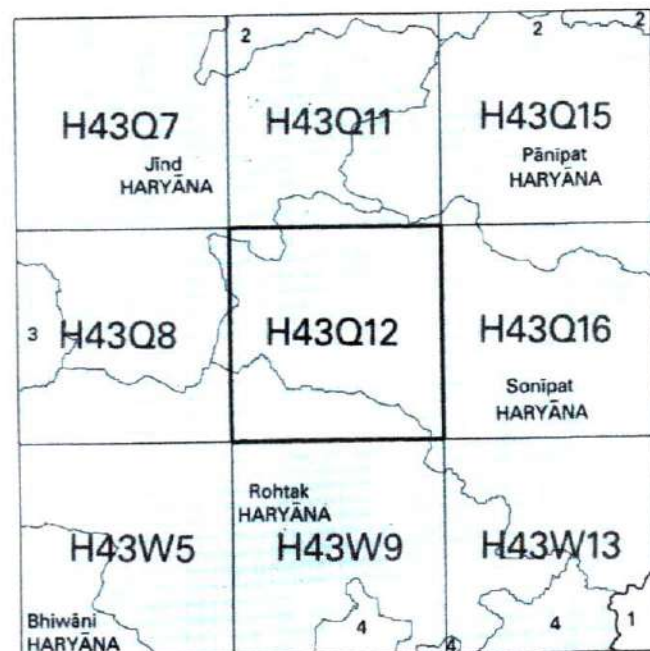


NOT FOR EXPORT

OPEN SERIES
MAP

No. H43Q12

Scale 1:50,000



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; underlined; 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 distance stone; do.
- Mineral line or tramway; Kln; Cutting with tunnel
- Contours with sub-features; Rocky slopes; Cliffs
- Sand features; (Flat/Quand-nills (permanent); (Dunes/shifting)
- Towns or Villages; inhabited; deserted; Fort
- Huts; permanent; temporary; Tower; Antiquities
- Temple; Chhatra; Church; Mosque; Idgah; Tomb; Graves
- Lighthouse; Lightship; Buoys; lighted; unlighted; Anchorage
- Mine; Vine on trellis; Grass; Scrub
- Palms; palmry; other; Plantain; Coffer; Bamboo; Other trees
- Areas; cultivated; wooded; Sunken trees
- Boundary; international
- state; demarcated; undemarcated
- subsector; subdivision; taluk or taluk; forest
- Pillars; surveyed; unlocated; village trijunction
- Height; triangulated station; point; approximate
- Bench-mark; geodetic; tertiary; canal
- Fort office; Telegraph office; Overhead tank
- Rest house or inspection bungalow; Circle 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

REFERENCE

N/71 National Highway No. 71

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Canal distance stones are 1000 feet apart and every fifth stone is shown.
Tanks shown dry, in this area usually contain water from July to March.
Tube-wells are numerous throughout the sheet, only the important ones have been shown.
Unmetalled roads and cart-roads in this sheet are generally mettable in dry season. Permission to use
roads along canals is required from the Irrigation authorities.
3,000-acre rectification stones of Bhakra Dam Project Surveys are shown as tertiary bench-marks
thus: A¹³ 68 BM 223.3.
A relative height e.g., 30, represents the approximate height in metres between the top and bottom
of a steep slope.

COMPILATION INDEX

A. Surveyed during 1990-91. Updated for major details during 2003-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 3/4 East in 2000.
(increasing by about 2' annually)

1:50,000

500 m to 1 cm 2 cm to 1 km 3 Kilometres

CONTOUR INTERVAL 10 METRES

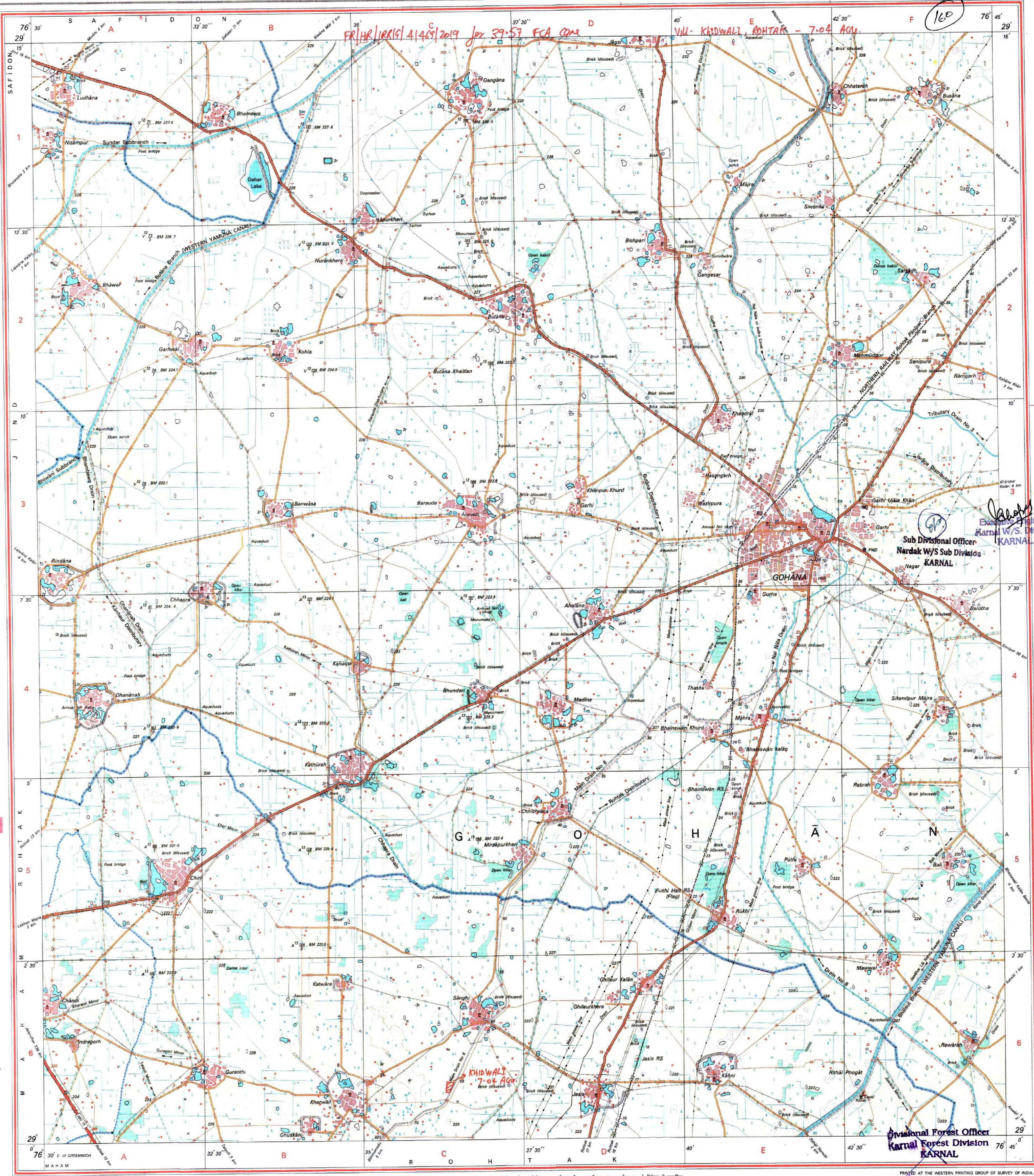
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Divisional Forest Officer
Karnal Forest Division
KARNAL

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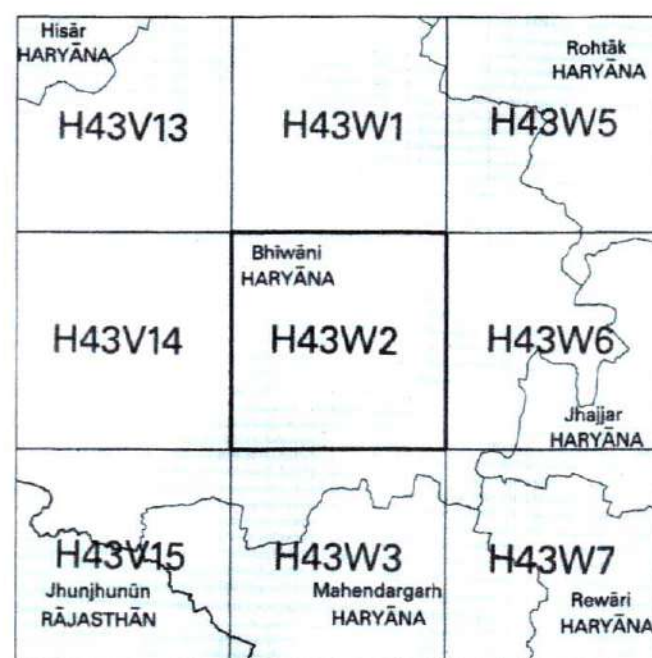


NOT FOR EXPORT

OPEN SERIES
MAP

No. H43W2

Scale 1:50,000



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CONVENTIONAL SYMBOLS

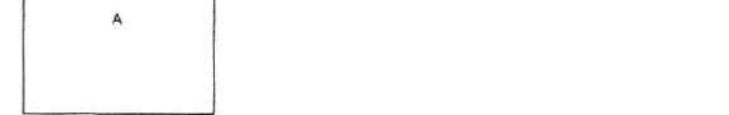
- Express highway: with toll; with bridge; with distance stone
- Roads, metalled: according to importance
- Roads, double carriageway: according to importance
- Unmetalled road: Cart-track, Pack-track with pass, Foot-path
- Streams: with track in bed; undefined, Canal
- Dams: masonry or rock-filled, 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 distance stone, do.
- Mineral line or tramway, Kin. Cutting with tunnel
- Contours with sub-features: Rocky slopes, Cliffs
- Sand features: (Tiffat, 2) sand-hills (permanent), (3) dunes (shifting)
- Towns or Villages: inhabited, deserted, Fort
- Huts: permanent, temporary, Tower, Antiquities
- Temple, Chattri, Church, Mosque, Singh, 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
- Pillar: surveyed, uncoloured, 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
- Specd 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.
- 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.
- Canal distance stones are 300 metres apart and every fifth stone is shown.
- 3,000-metre retriangulation stone of Bikaner Dam Project Survey with their numbers are shown as tertiary bench-marks thus: 13 151 BM 244.1

COMPILATION INDEX

- A. Surveyed during 1990-91. Updated for major details during 2004-05.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/2° East in 2000 (increasing by about 2' annually)

1:50,000

500 m to 1 cm 2 cm to 1 km
Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 10 METRES

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REG. No. 64, 14 WPG D 07 Haryana GDC-1:50,000 [15] 10

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MAP

No. H43W3

Scale 1:50,000

H43V14	H43W2 Bhiwani HARYANA	H43W6 Jhajar HARYANA
H43V15	H43W3 Mahendragarh HARYANA	H43W7 Rewari HARYANA 2
H43V16 Jhunjhunoi RAJASTHAN	H43W4	H43W8 Alwar RAJASTHAN

1 Bohtak. HARYĀNA.

SURVEY OF INDIA

1st Edition 2007

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CONVENTIONAL SYMBOLS

- | | | |
|---|--|-----|
| Express Highway, with toll; with bridge; with distance stone | | 20 |
| Roads, metalled; according to importance | | 20 |
| Roads, double carriage-way; according to importance | | 20 |
| Unmetalled road, Cart-track, Pack-track with pass, Foot-path | | 20 |
| Streams, with track in bed; undefined, Canal | | 20 |
| Dams; masonry or rock-filled, earthen, Weir | | 20 |
| River; dry with water channel; with island & rocks, Tidal river | | 20 |
| Submerged rocks, Shoal, Swamp, Reeds | | 20 |
| Weirs; lined; united; Tube well; Spring; Tanks; perennial; dry | | 20 |
| Embankments; road or rail; tank, Broken ground | | 20 |
| Rivers, broad gauge; double; single with station; under construction | | 20 |
| Railways, other gauges; double; single with distance stone; do | | 20 |
| Mineral line or tramway, Kink, Cutting with tunnel | | 20 |
| Contours with sea-levels; Rocky slopes; Cliffs | | 20 |
| Sand features: (Rifts) (Zand) (hills) (perforations), (3) (dunes) (hills) (f) | | 20 |
| Towns or Villages; inhabited, deserted, Fort | | 20 |
| Houses; permanent; temporary; Tower, Antiques | | 20 |
| Temples, Charni, Church, Mosque, Idgah, Tomb, Graves | | 20 |
| Lighthouse, Lightship, Buoy; lighted, unlighted, Anchorage | | 20 |
| Mine, Vine on trellis, Grass, Scrub | | 20 |
| Palms; palm-tree; other, Plantain, Conifer, Bamboo, Other trees | | 20 |
| Area: cultivated; wooded, Surveyed tree | | 20 |
| Boundary, International | | 20 |
| state demarcated; undemarcated | | 20 |
| diagonal; subdivision, shell or talka; forest | | 20 |
| Boundary pillars surveyed; unlocated; village trijunction | | 20 |
| Heights, triangulated; station point, approximate | | 200 |
| BM 63 3 | | 200 |
| Post office, Telegraph office, Overhead tank | | 200 |
| Rest house or Inspection bungalow, Circuit house, Police station | | 200 |
| Camping ground; Forest; reserved; protected | | 200 |
| Spaced names; administrative; locality or tribal | | 200 |
| Hospital; Dispensary, Veterinary hospital | | 200 |
| Aerodrome; Helicopter; Tourist site | | 200 |
| Power line; with pillars surveyed; with poles unsurveyed | | 200 |

REFERENCE

Dep Depression

NOTES :-

Contours are approximately 10 m apart.

Heights are in metres and above Indian mean sea level.

Important buildings are shown in black with names.

Tube-wells are numerous throughout the sheet only the important ones have been shown.

A relative height, e.g. 35r, marked along a canal indicates the height of the top of the canal embankment above the adjacent country.

A relative height, e.g. 32c, against a well, in blue, indicates its total depth in metres.

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.

Tanks shown in red, are usually capacity water tanks from July to December.

3,000-acre reclamation stores of Bokaro Dam Project Surveys are shown as tertiary bench marks thus:

S 17 37 25

COMPILATION INDEX

A. Surveyed during 1992-93. Updated for major details during 2005-06

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{2}^{\circ}$ East in 2005.
(Increasing by about $1'$ annually).

1.50.000

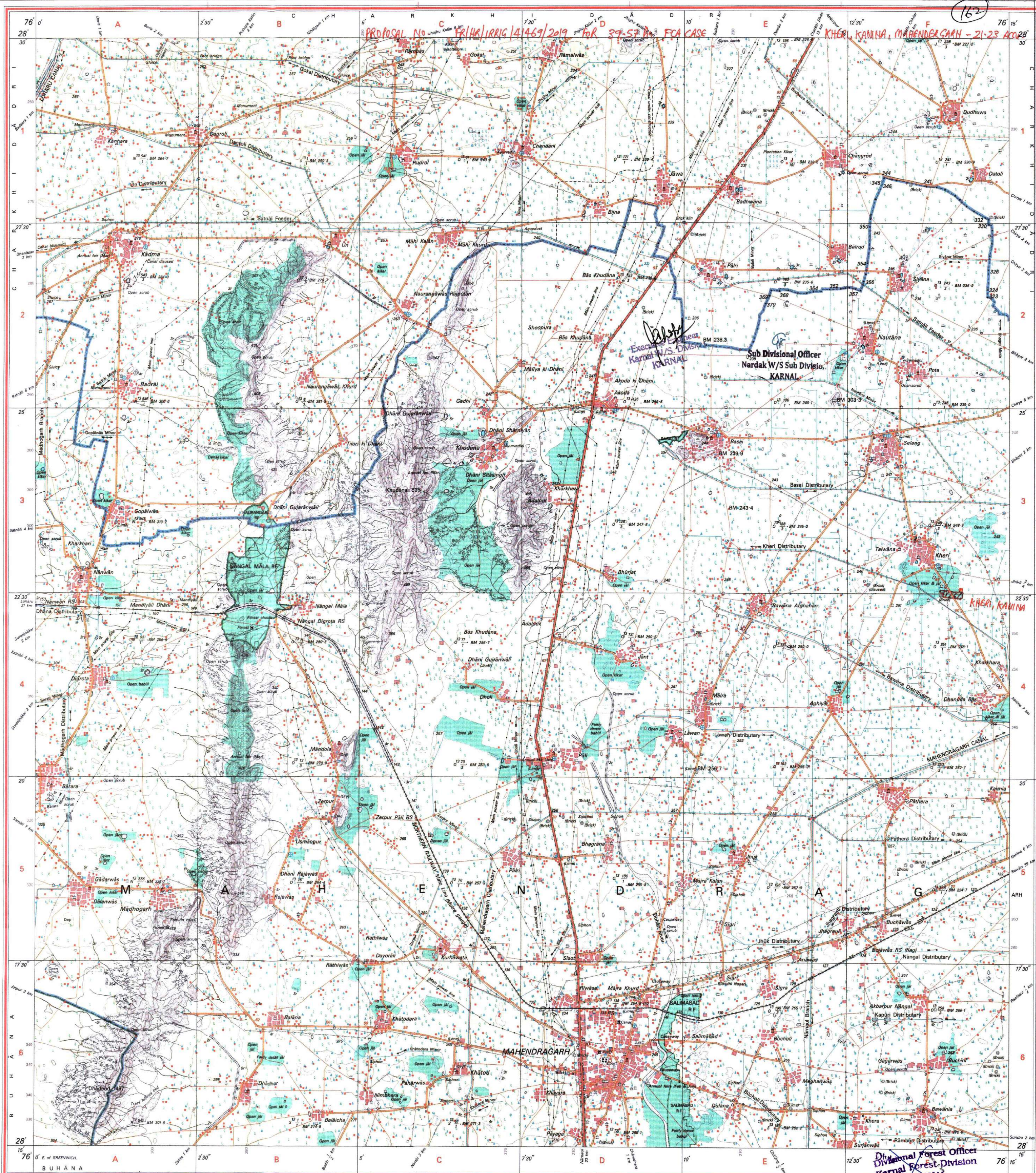
CONTOUR INTERVAL 10 METRES

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Department of Science & Technology, Government of India.

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Karnal Forest Division~~

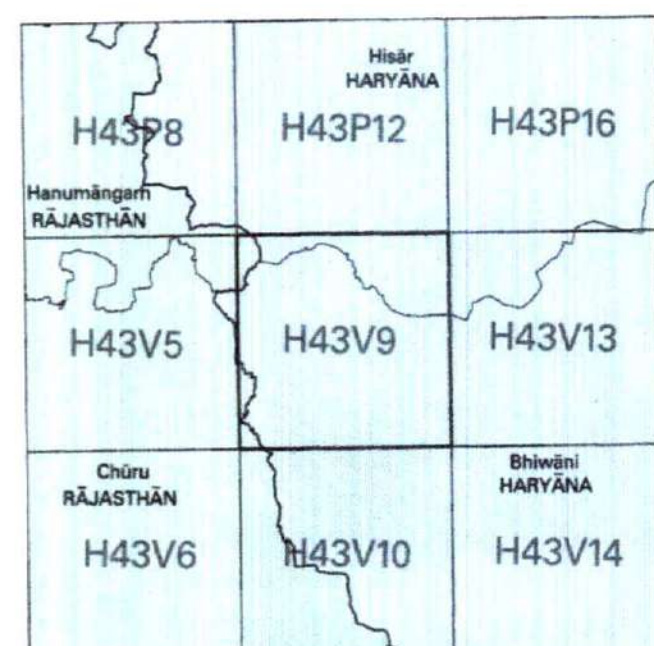
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No. H43V9

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1 JHUNJHUN, RAJASTHAN



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SURVEY OF INDIA



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CONVENTIONAL SYMBOLS



Express highway: with or without bridge, with distance stone  



Roads, metalled: according to importance  



Roads, double carriageway: according to importance  



Unmetalled road: Cart-track, Pucc-track with pebb. Foot-path  



Streams: with track in bed, undefined, Canal  



Dam: masonry or rock-filled, sandwork, Well  



River: dry with water channel, with island & rocks Tidal river  



Submerged rocks, Shoal, Swamp: Reeds  



Wells: lined, Unlined, Tube-well, Spring, Tank: perennial, dry  



Embankment 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 of tramway, Mine. Cutting with tunnel  



Contours with sub-features: Rocky slopes, Cliffs  



Sand features: (River, Ghats, islands, permanent), (Glaciers, shifting)  



Towns or Villages: inhabited: deserted, Fort  



Huts: permanent: temporary: Tourist: Antiquities  



Temples, Church, Church, Mosque, Joghā, Tomb, Graves  



Lighthouse, Lightship: Buoy: lighted, unlighted, Anchorage  



Main Vine or trellis, Grass, Scrub  



Palms: palms; or other: Plantain, Corn: Bamboo, Other trees  



Areas: cultivated, wooded: Surveined tree  



Boundary, international  



— state: demarcated, undemarcated  



— district: subdivision, taluk or dikā, forest  



— Pillars: surveyed: unlocated, village: trunction  



Height, triangulated station, point, approximate  200  200



Bench-mark: geodetic, station, canal  BM 63.3  BM 63.3



Post office: Telegraph office: Overhead tank  

Rest house or Inspection bungalow: Circuit house: Police station  

Carrying ground: Forest: reserved: protected  

Spaced names: administrative, locality or tribal  KIKRI 

Hospital, Dispensary: Veterinary hospital  

Aerodrome, Helipad: Tourist site  

Power line: with pylons: surveyed: with poles: unsurveyed

REFERENCES

REFERENCES

NOTES :-

Heights are in metres and above Indian mean sea level.

Contours are approximate.

A relative height, e.g., $5R$ represents the approximate height, in metres, between the top and bottom of a steep slope.

Government boundaries are shown in black with names.

A relative height, e.g., $3R$, against a well, in blue, indicates its total depth in metres.

Trees are shown dry, in this area, usually contain water from July to November.

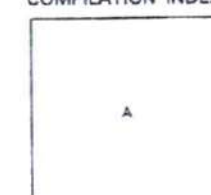
Cattle distance values are 1,000 feet apart and every existing fifth stone is shown.

United west symbols indicate covered tanks, called *Kunds* which usually contain surface collection of rain and canal water.

3,000 acre - reconstitution of Shikara Dam Project Surveys and with their numbers are shown in the following examples: $12 \times 48R$ and 207×8

COMPI LATION INDEX

☐ A. Surveyed during 1987-88. Updated for major details during 2004-05.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{3}{4}^{\circ}$ East in 2000.

1:50,000 2 cm to 1 km

For further details about this map, please contact

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Department of Science & Technology, Government of India.*

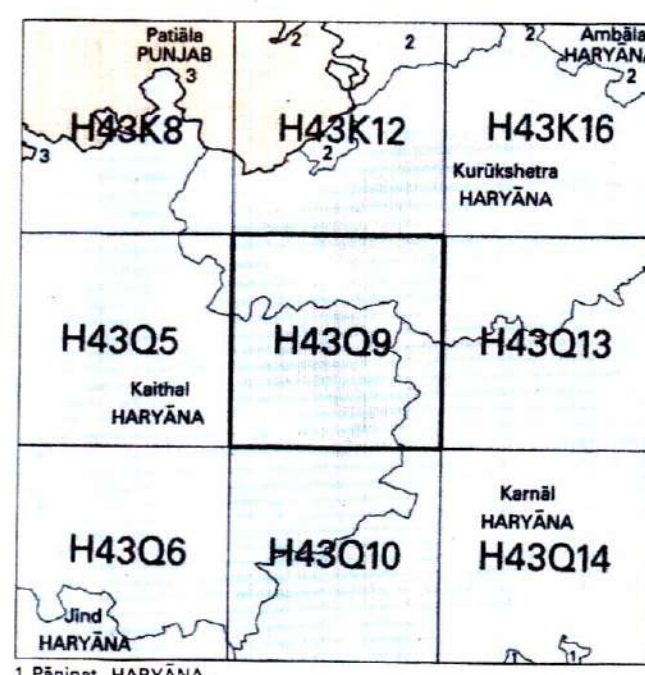
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OPEN SERIES MAP

No. H43Q9

Scale 1:50,000



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1st Edition 2007

Price : Rs. 50/-

CONVENTIONAL SYMBOLS

Express highway, with toll; with bridge; with distance stone		For	
Roads, metalled; according to importance			
Roads, double carriage-way; according to importance			
Unmetalled road; Cart-track; Pack-track; with pass; Foot-path			
Stream, with track in bed; underlined Canal			
Cave; masonry or rock-filled; with island; Well			
River: dry; with water channel; with bank; and rocks; Tidal river			
Submerged rocks; Shoal; Swamp; Reeds			
Dam: lined; unlined; Two-way; Spring; Tanks; perennial; dry			
Embankments: road or rail; tank; Broken ground			
Railways; broad gauge; double; single; with station; under control			
Railways; other gauges; double; single; with distance stone; do			
Mineral line or tramway; Kils; cutting with tunnel			
Contours with sub-features. Rocky slopes; Cliffs			
Soil features: (1)bad-lands (2)barren hills (3)desert (4)shifting			
Towns or Villages: inhabited; deserted; Fort			
Rues; permanent; temporary; Town; Antibunkes			
Temple; Chhatri; Church; Mosque; Idgah; Tomb; Graves			
Lighthouse; Lightship; Buoy; lighted; unlighted; Anchorage			
Mine; Vine on trellis; Grass; Scrub			
Palms; palms; other; Plainstan; Conifer; Bamboo; Other trees			
Area: cultivated; wooded; Surveyed tree			
Boundary, international			
states; demarcated; undemarcated			
distinct; subdivision, taluk or taluk; forest			
Boundary pillars; surveyed; unlocated; village trijunction			
Heights, triangulated; station; point; approximate		200	200
Bench-mark; geodetic; tertiary; canal		BM 63.3	BM 63.3
Post office; Telegraph office; Overhead tank			
Res; house or inspection building; Court; house; Police station			
Camping ground; Forest; reserved; protected			
Sacred names: administrative; locality or tribal		KIKRI	NAGA
Hospital; Dispensary; Veterinary hospital			
Aerodrome; Halpadd; Tourist site			
Power line; with pylons; surveyed; with poles; unsurveyed			

REFERENCE

NH 65 National Highway No. 65

NOTES :-

Heights are in metres and above Indian mean sea level.

Contours are approximate.

Important building are shown in black with name.

A relative height e.g. 3r represents the approximate heights in metres between the top and bottom of a steep slope.

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

Urns/wells are numerous throughout the street, only the important ones have been shown.

Underneath the main road on the right in this sheet are projects, mappable in dry season. Permission to use them along canals is required from the Irrigation authorities.

3,000-acre re-vegetation scheme of Bolkar Dam project with their numbers are shown as tertiary branch 241:10 A 271 BM 241:10

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 1° East in 2005.
(Increasing by about 1° annually).

1:50,000

For details about this map, please contact

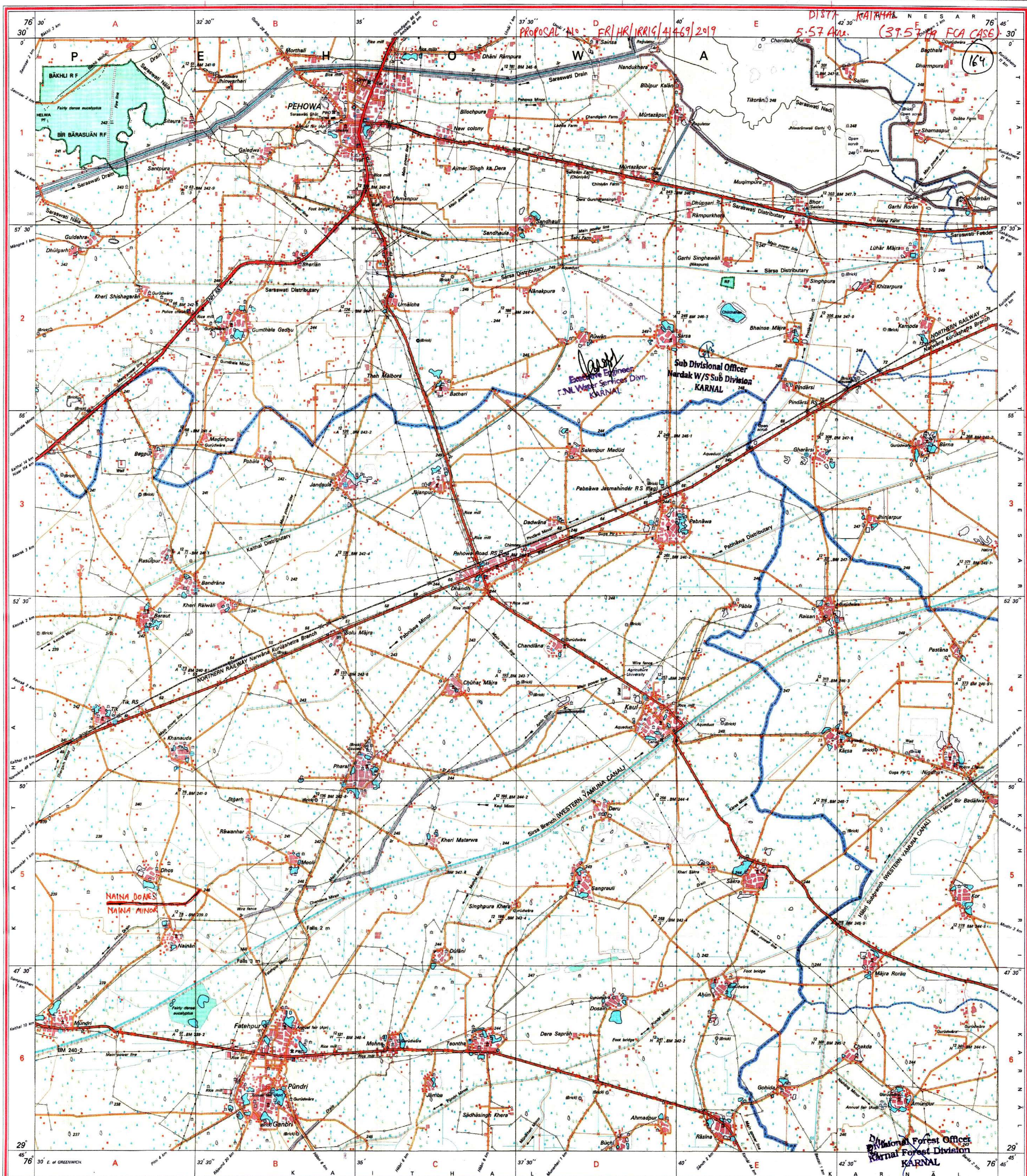
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Chandigarh.

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REG. No. ~~88(9)~~ WPG D 07 (Haryana GDC-1:50,000) -1510.

भारत के महानायक मेजर जनरल एम० गोपाल राव, बी०टेक०, पी० जी० डिप्लो (एरियल फोटो), एम०आईएफएमएन०, एम०आईएर०, एफ०आईएएस०, के निदेशन में प्रकाशित,
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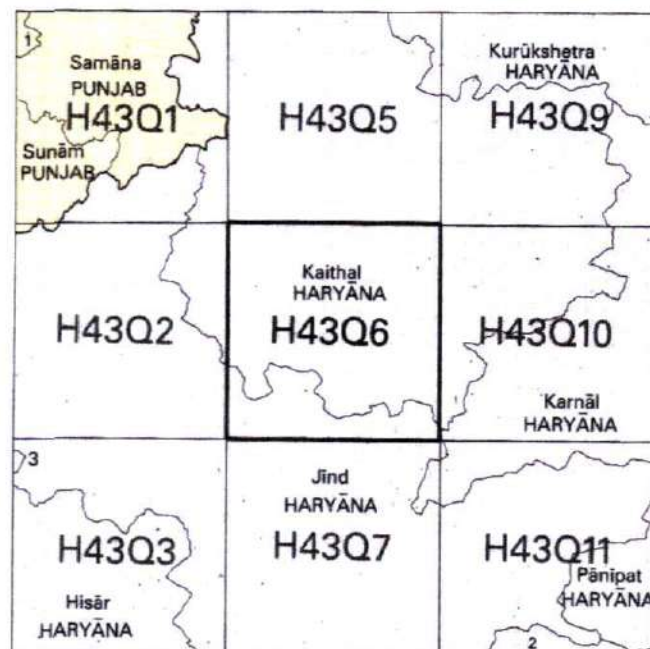


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MAP

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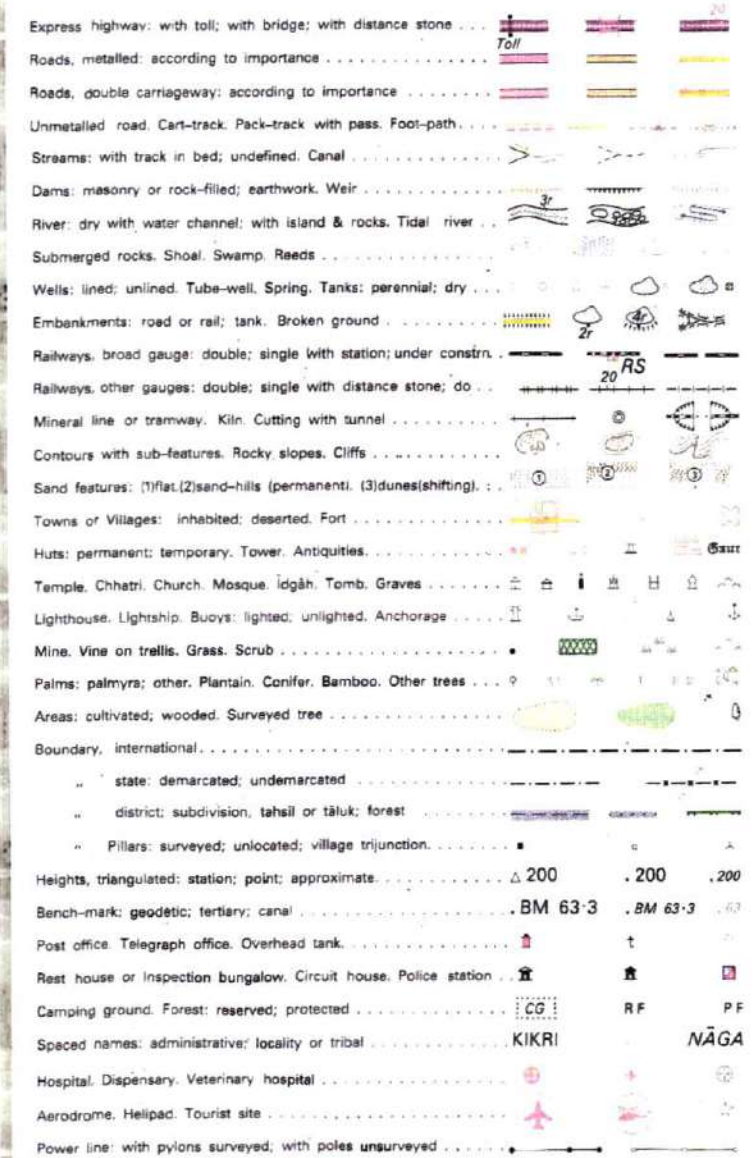
Scale 1:50,000



1 Sunam, PUNJAB
2 Sonapat, HARYANA
3 Hisar, HARYANA

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CONVENTIONAL SYMBOLS



REFERENCE

N 89 National Highway No. 65

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height of 3m 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 February.
Tube-wells are numerous throughout the sheet, only the important ones have been shown.
Unimproved roads and cart-roads in this sheet are generally motorable in dry season. Permission to use those along canals is required from irrigation authorities.
3,000-acre rectangular stones of Bhakra Dam Project Surveys are shown as tertiary bench-marks thus: BM 333 232.1

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 3° East in 2000.
(Increasing by about 2° annually).

1:50,000

500 m to 1 cm
Metres 1000 500 0 1 2 3 Kilometres

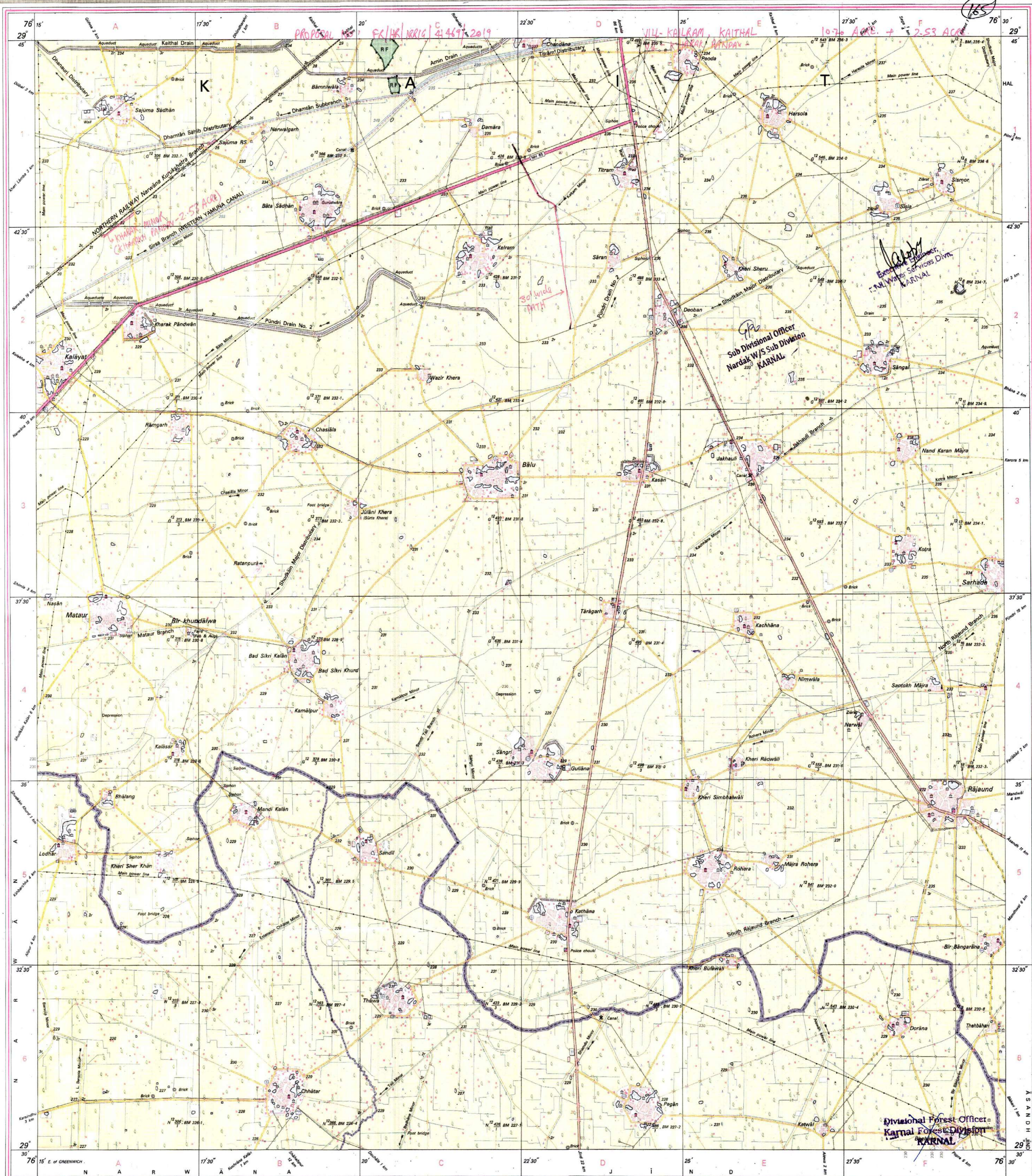
CONTOUR INTERVAL 10 METRES

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REG. No.7383-SPC D 97 (Haryana GDC 1:50,000)-1510

भारत के सर्वेक्षण के तहत जलवायु और जल, भू-संसाधन, और जल (सर्वेक्षण कोड), एरियल फोटो, MIMS, MCA, FIS, Surveyor General of India,
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Survey of India, Hithibarkala Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand)
Department of Science & Technology, Government of India.

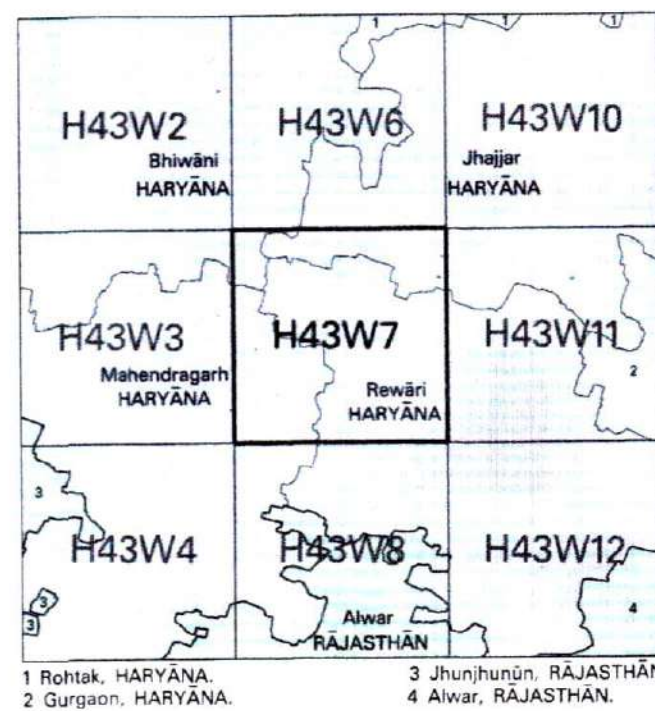
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OPEN SERIES
MAP

No. H43W7

Scale 1:50,000



भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2007.


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CONVENTIONAL SYMBOLS

Express highway, with toll booth; 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, unconfined Canal    

Dams: masonry or rock-filled, earthwork, Weir    

Rivers, with water channel, with land & rocks, Tidal river    

Submerged rocks, Shoal, Swamp, Reeds    

Wells, lined, unlined, Tub-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, Kim, Cutting with tunnel    

Contours with sub-features, Rocky slopes, Cliffs    

Sand features: (Hill, Sand-hill) (permanent) (Seasonal/shifting)    

Towns or Villages, inhabited; deserted, Fort    


Fort; permanent, unpermanent, Tower, Anticline    

Temple, Chhatri, Church, Mosque, Idgah, Tomb, Graves    

Lighthouse, Lighthouse Bays, Lighted, unlighted, Anchorage    

Mine, Vine on traffic, Grass, Scrub    

Palms; palms; other, Plain, Conifer, Bamboo, Other trees    

Area: cultivated, wooded, Surveyed tree    

Boundary, international    


state demarcated, undemarcated    

district, subdivision, taluk or taluk, forest    

Pillars surveyed, unlocated, village, junction    

Heights, triangulated, station; point; approximate    

Bench-mark geodetic, tertiary, canal    

Post office, Telegraph office, Overland tank    

Rail, Road or, Inspection bungalow, Circuit house, Police station    

Camping ground, Forest, reserved, protected    

Spatial names: administrative, locality, or tribal 

REFERENCE

Dep Depression

NOTES :-

Heights are in metres and above Indian mean sea level.
 Contours are approximate.
 A relative height e.g., 4m marked along a canal, indicates the height of the top of the canal embankment above the adjacent contour.
 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.
 Unsettled 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 discharge stations along Sārahādh canal are 500 feet apart and every existing fifth bench is shown and on other canals there are 1,000 metres apart and every existing one is shown.
 3,000-are regulation stones of Bhikar Dam Project Survey are shown as tertiary bench-mark thus—³⁰ 216 216 BM 216.4

COMPILATION INDEX

A. Surveyed during 1992-93. Updated for major details during 2005-06.

Projection – UTM Datum – WGS 84

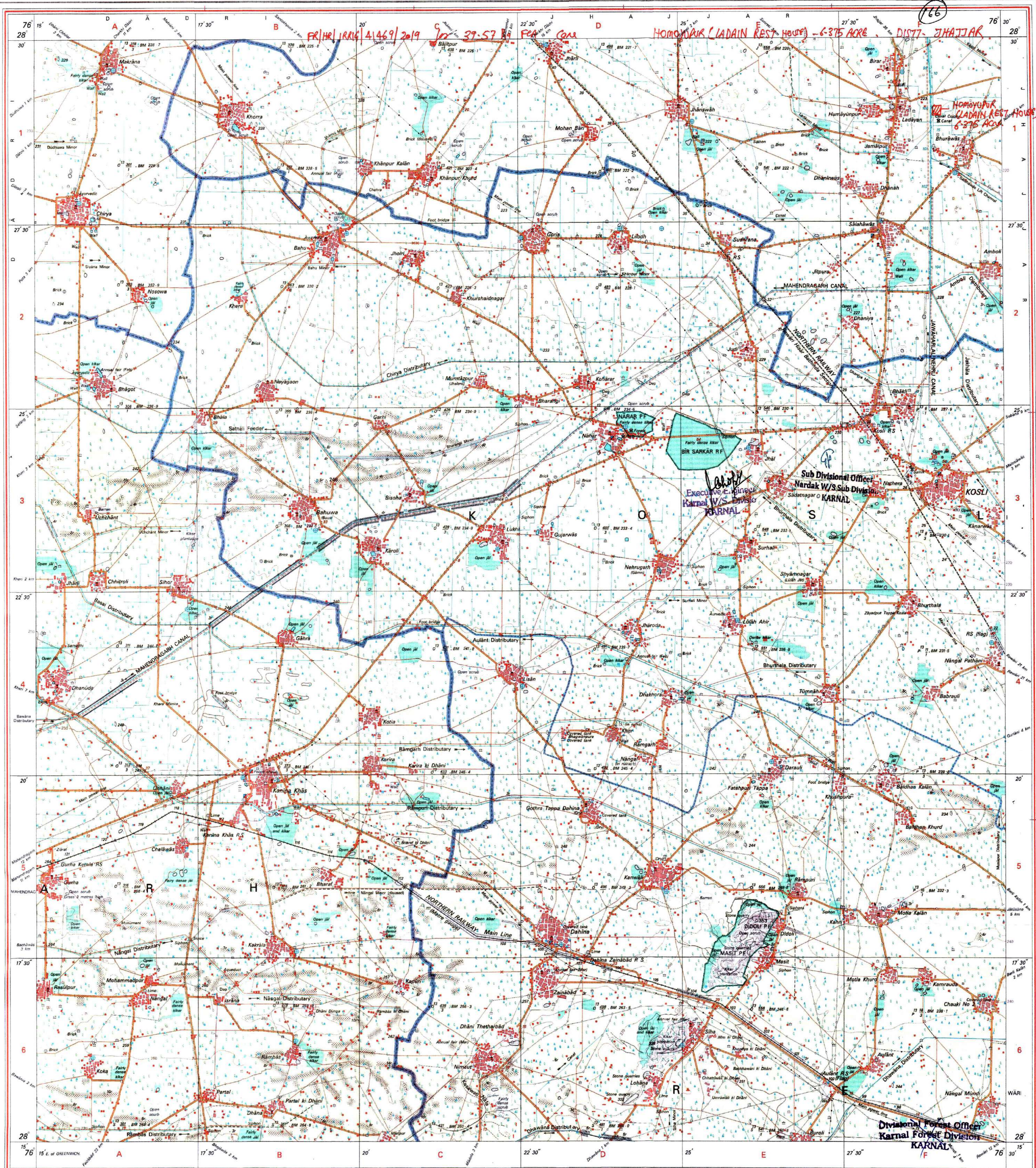
Magnetic Variation from True North about $\frac{1}{2}^{\circ}$ East in 2000.
(Increasing by about $2'$ annually)

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

CONTOUR INTERVAL: 10 METRES

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BEG. No. 76 (9) - WPG. D. 07 (Harvāṇa GDC-1:50.000)-1512.

भारत के महासर्वेक्षक मेजर जनरल एम० गोपाल राव, बी०टेक०, पी० जी० डिप्ल० (एयियल फोटो), एम०आई०एम०आई०, एम०सी०ए०, एफ०आई०एम०, के निदेशन में प्रकाशित,
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OPEN SERIES MAP

No. H43W9

Scale 1:50,000

The map shows the following districts and their corresponding block codes:

- Jind HARYANA**: H43O8, H43O12, H43O16
- Sonapat HARYANA**: H43O16
- Rohtak HARYANA**: H43W5, H43W9, H43W13
- Bhiwani HARYANA**: H43W6, H43W10, H43W14
- DELHI**: H43W14

A red dot is located in the H43W9 block, near the border of Rohtak HARYANA and Bhiwani HARYANA.

1 Hisār, HARYĀNA.
2 Pānīpat, HARYĀNA.

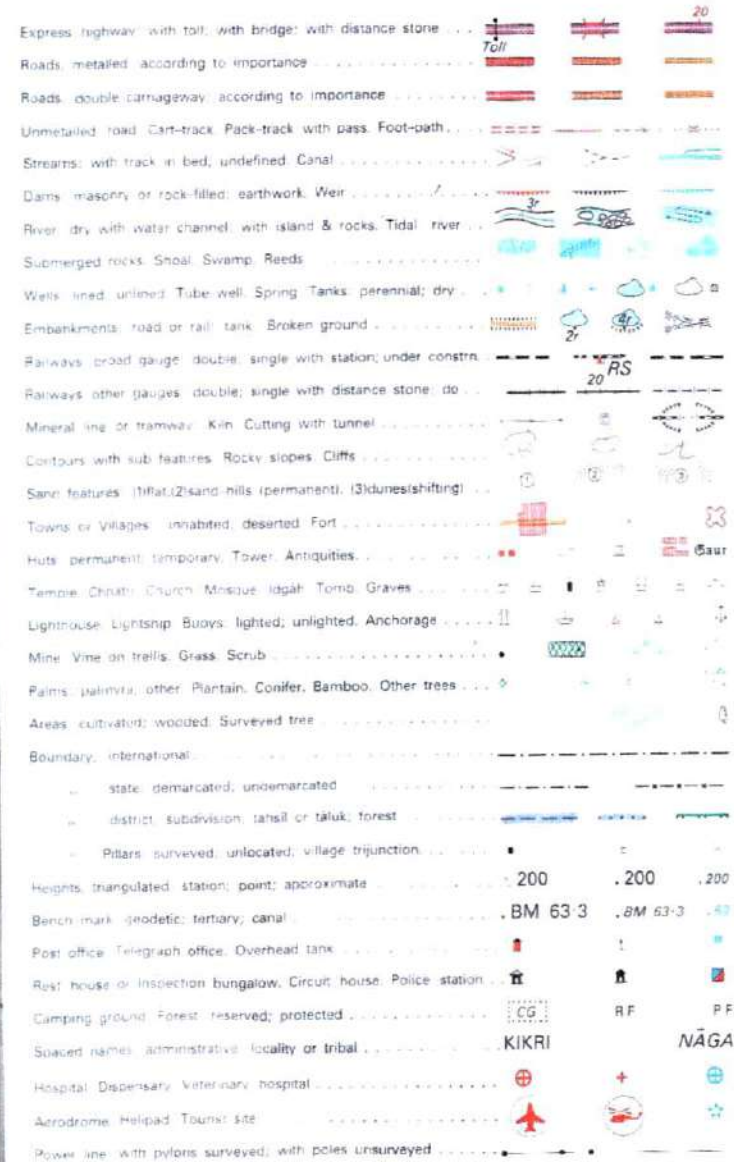
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CONVENTIONAL SYMBOLS



REFERENCE

NH-10 National Highway No. 10

NOTES :-

Heights are in metres and slope (rise:run) means rise:run
Contours are approximate
A relative height, e.g. 10, represents the approximate height, in metres, between the top and bottom of a steep slope.
Important Government buildings are shown in black with names.
Tanks, shown dry, in this area usually contain water from July to April.
Unimproved roads are 1000 feet apart and every existing foot stone is shown.
Dashed orange lines and cut-rails in this sheet are generally motorable in dry season. Permission to use these roads may be required from the District Commissioner.
300 feet reclamation surveys (see Blakers Dam Project Surveys) with their numbers are shown as tertiary benchmarks.

COMPILATION INDEX

A. Surveyed during 1990-91. Updated for major details during 2004-05.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{2}^{\circ}$ East in 2000.
(decreases by about 1° annually)

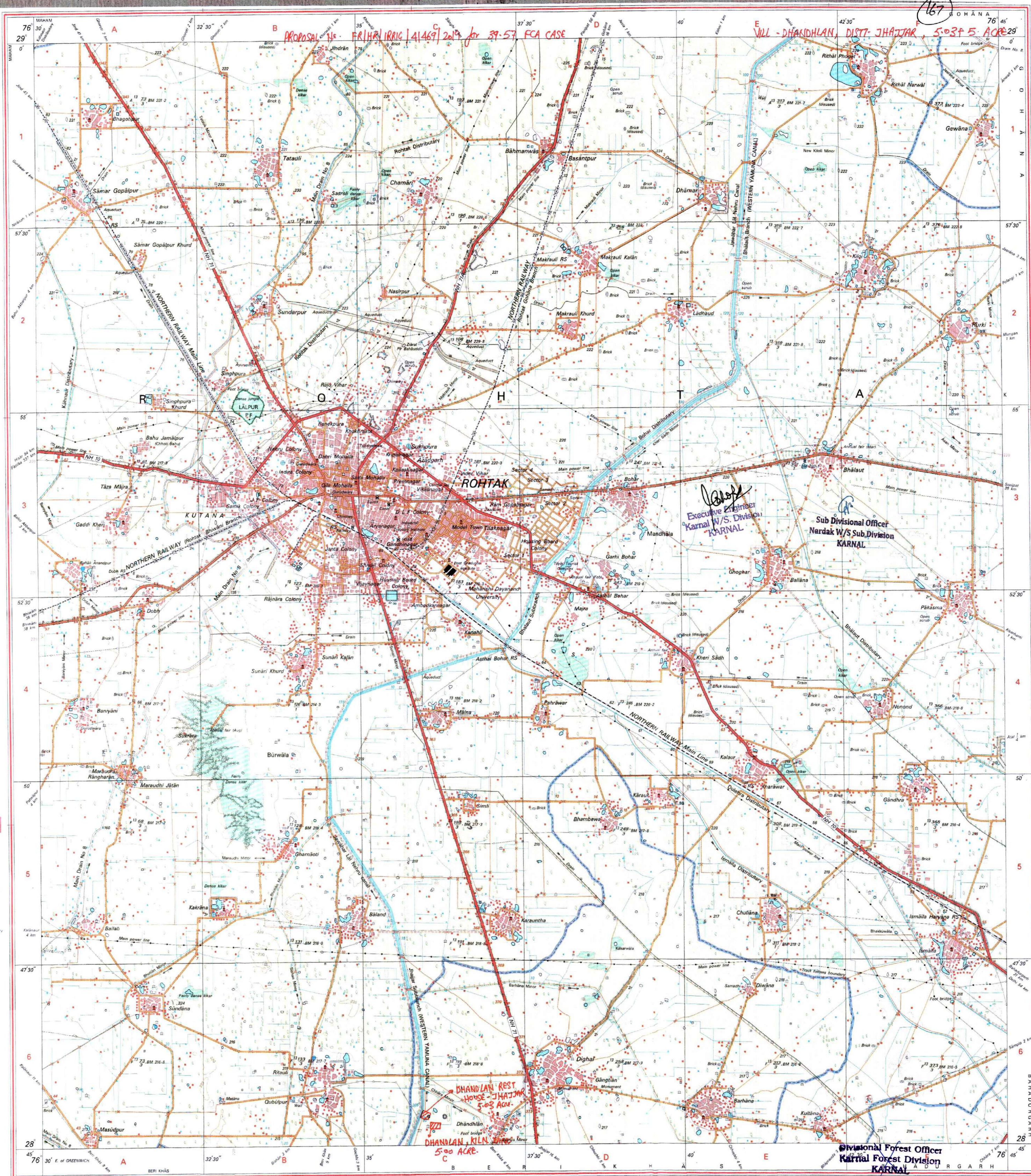
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CONTOUR INTERVAL 10 METRES

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REG. No. 5401-WPG D 07 (Harvard GDC-150,000)-1510.

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No. H43Q14

Scale 1:50,000

H43Q9	Kurukshetra HARYANA	H43R1
QH43Q10	Karnal HARYANA	H43R2
Jind HARYANA H43Q11	Panipat HARYANA	H43R3

1 Sonapat, HARYANA
2 Yamunanagar, HARYANA
3 Baghat, U.P.
4 Saharanpur, U.P.

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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	
Sewage, with track in bed, undefined, Canal	
Dam, 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, do	
Railways, broad gauge, double, single with station, under constr.	
Railways, other gauges, double, single with distance stone, do	
Mineral line or tramway, Kin, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features, (Dune, Sand-hill, permanent, Disappearing)	
Towns or Villages, inhabited, deserted, Fort	
Huts, permanent, temporary, Tower, Antiquities	
Temple, Church, Mosque, Jagin, Tomb, Graves	
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage	
Mine, Vein on tress, Grass, Scrub	
Palm, palmyra, other, Plantain, Coriander, Bamboo, Other trees	
Artes, cultivated, wooded, Surveyed tree	
Boundary, international	
state, demarcated, undemarcated	
district, subdivision, taluk or shik, forest	
Pillar, surveyed, unlocated, village, junction	
Heights, triangulation, station, point, approximate	
Benchmarks, geodetic, tertiary, canal	
Post office, Telegraph office, Overhead tank	
Rest house or inspection bungalow, Court house, Police station	
Camping ground, Forest, reserved, protected	
Sealed names, administrative, locality or official	
hospital, Dispensary, Veterinary hospital	
Aerodrome, Helipad, Tourist site	
Power line, with pylons surveyed, with poles unsurveyed	

REFERENCE

Ny 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 not shown in dry season. Permission to use
these along canals is required from the irrigation authorities.
A relative height, e.g., 2m marked along a canal indicates the height of the top of the canal embankment
above the adjacent country.
3,000-acre reorganisation survey of Bhakra Dam Project Survey and their numbers are shown as tertiary
benchmarks true

COMPILED INDEX

A. Surveyed during 1988-90. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{4}^{\circ}$ East in 2000.
(Increasing by about $\frac{1}{2}^{\circ}$ annually).

1:50,000



CONTOUR INTERVAL 10 METRES

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REG. No. 7386-SPG D/07 (Haryana GDC-1:50,000) 1510.

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