



OPEN SERIES MAP

No. H43013

Scale 1:50,000

H43112 (44J/12) Muktsar PUNJAB	H43116 (44J/16) Bathinda PUNJAB	H43J4 (44N/4)
H4309 (44K/9)	H43013 (44K/13)	H43P1 (44O/1)
H43010 (44K/10)	H43014 (44K/14) Simsa HARYANA	H43P2 (44O/2)

1 Mansa, PUNJAB.

2 Hanumangarh, RAJASTHAN.

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; underfed; Canal	
Dams: masonry or rock-filled; earthwork; Weir	
River: city with water channel; with island & rocks; Tidal river	
Submerged rocks, Shoal, Swamp, Reeds	
Wells: lined unlined; Tub-well; Spring; Tanks: perennial; dry	
Enclosures: road or rail; tank; broken ground	
Railways, broad gauge: double; single with station; under control	
Railways, other gauges: double; single with distance stone; dis.	
Mixed line or tramway, Kin. Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features: (Wind-blown hills, Sparrows, Sandunes/shifting)	
Towns or Villages: inhabited; deserted; Fort	
Hut: permanent; temporary; Tower, Antennae	
Tumuli, Chhani, Church, Mosque, Igala, Tomb, Graves	
Lighthouses, Lightships, Buoy, Lighted, unlighted, Anchorage	
Mine, Vine or trellis, Grass, Scrub	
Palms: palms; other, Plane, 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, Circle 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 poles surveyed; with poles unsurveyed	

REFERENCE

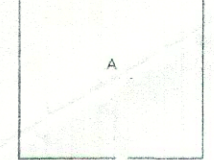
NH 10 National Highway No. 10

NOTES

A relative height, e.g., 30, marked along a canal, indicates the height of the top of the canal embankment above the adjacent country.
 A relative height, e.g., 50, 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.
 Tank-wells are numerous throughout the sheet, only the important ones have been shown.
 Permission to use unmetalled roads and cart-tracks along canals is required from the irrigation authorities.
 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 Government's concerned.

COMPILATION INDEX

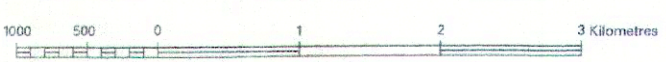
A. Surveyed during 1997-98



Projection - UTM Datum - WGS 84

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

Scale 1:50,000



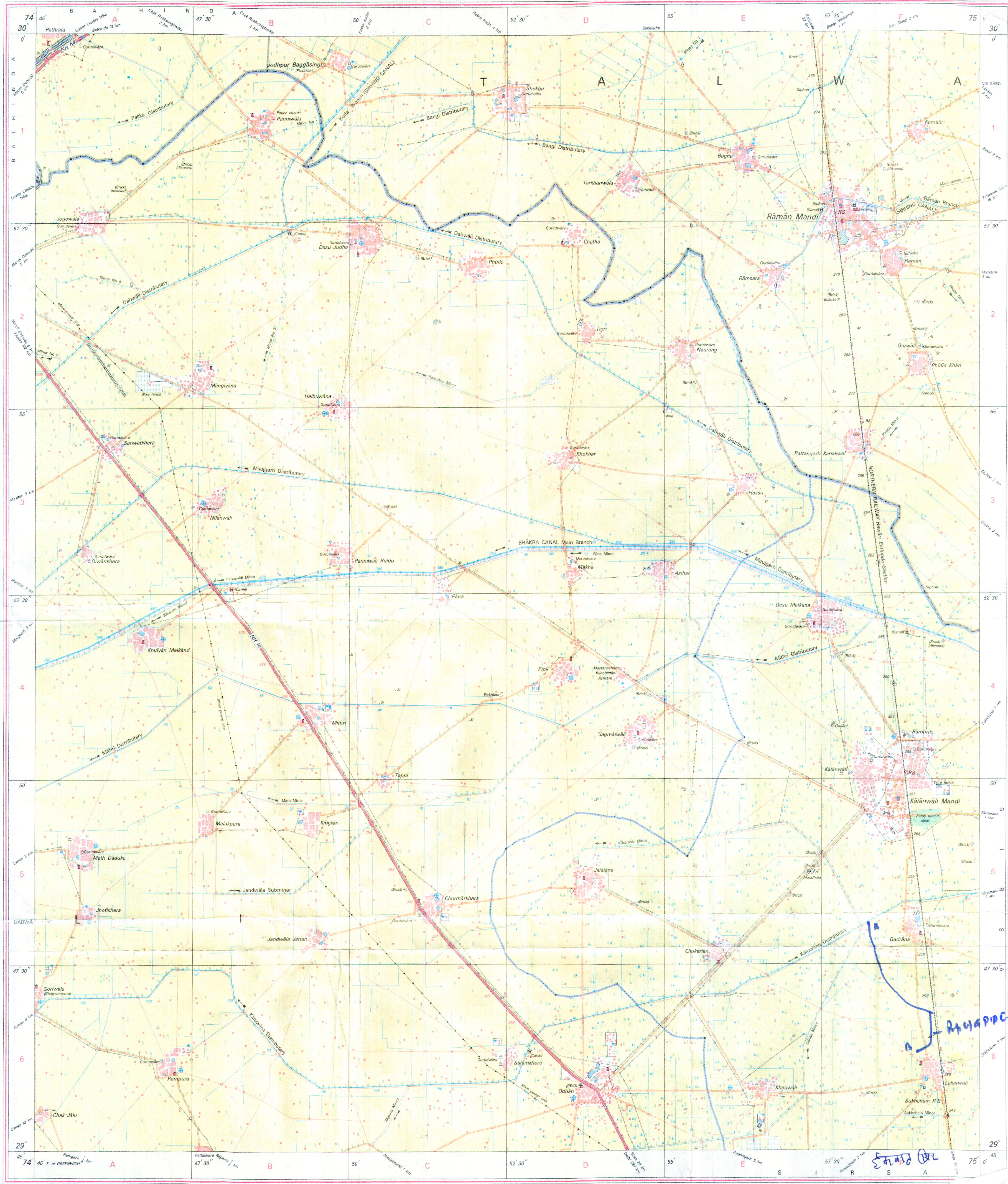
For further details about this map, please contact

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