

G42X11 (40P/11)	G42X15 (40P/15)	G43S3 (45D/3)
G42X12 (40P/12)	G42X16 (40P/16)	G43S4 (45D/4)
F42F9 (41M/9)	F42F13 (41M/13)	F43A1 (46A/1)

भारतीय सर्वेक्षण विभाग

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0-073 88x54 cm (67x61)

CONVENTIONAL SYMBOLS

- Express highway, with toll, with bridge, with distance label.
- 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, earthen, Weir.
- River, dry with water channel, with island & rocks, Tidal river.
- Submerged rock, 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, (1) flat, (2) sand-hill, (3) dunes, (4) shifting.
- Towns or Villages, inhabited, deserted, Fort.
- Hubs, permanent, temporary, Tower, Abutment.
- Temple, Chhatra, Church, Mosque, Mugh, Tomb, Graves.
- Lighthouse, Lightship, Buoys, lighted, unlighted, Anchorage.
- Mine, View 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, taluk.
- Boundary pillars, surveyed, unlocated.
- Heights, triangulated, station, point, approximate.
- Bench-mark, geodetic, tertiary, canal.
- Post 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, Halapad, Tourist site.
- Power line, with pylons surveyed, with poles unsurveyed.

Proposed O.C. Line

REFERENCE

AP 14 National Highway No. 14

NOTES :-

Heights and Contours have not been shown.

A relative height, h_r , represents the approximate height, in metres, between the top and bottom of a steep slope.

Tanks, in this area usually contain water from July to September.

Carton hedges generally exist along cart-tracks.

COMPILATION INDEX

A. Surveyed during 1986-87. Updated for major details during 2005-01 and 2005-07.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° East in 2005.

(Increasing by about 1° East annually).

1:50,000

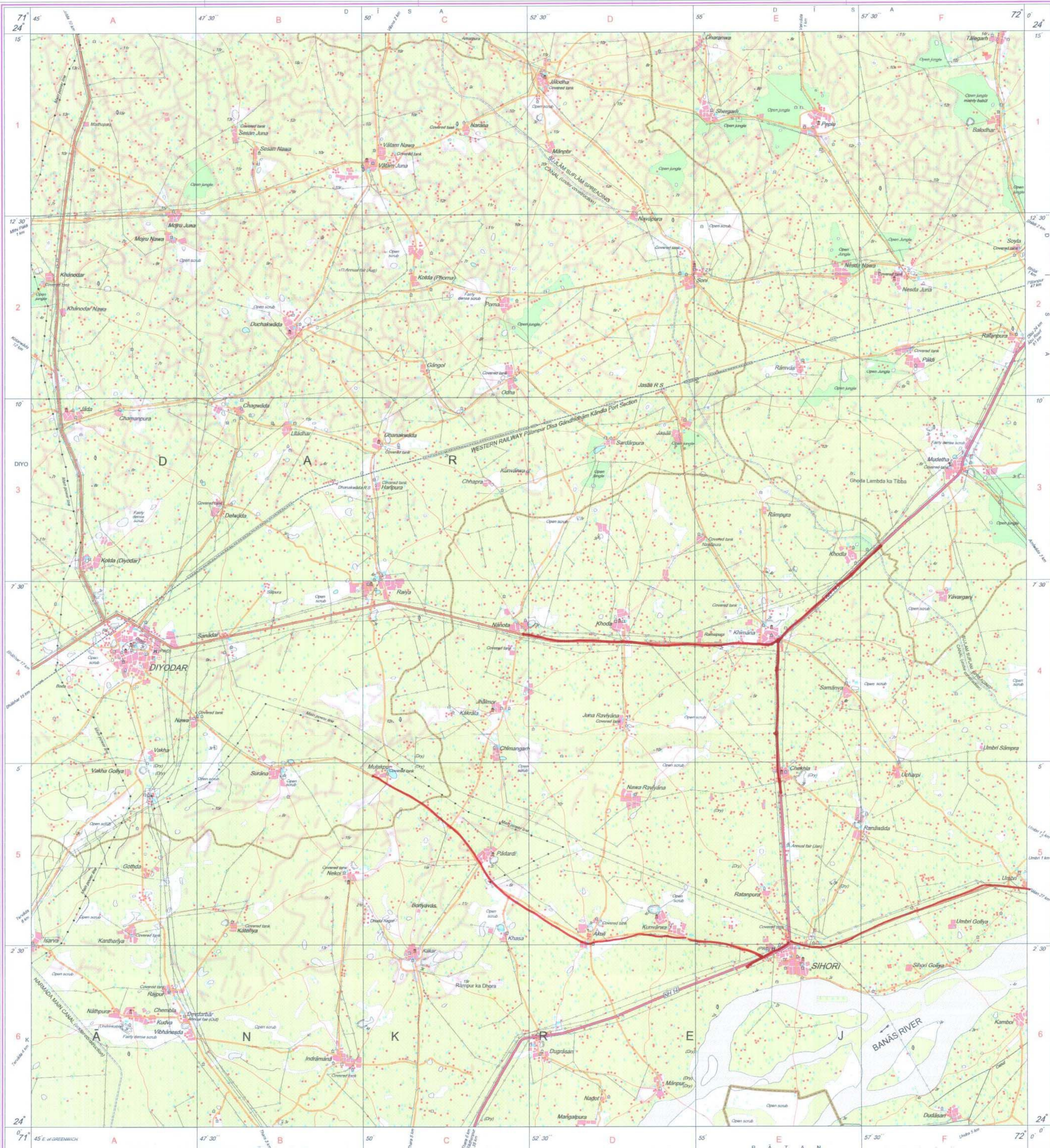
500 m to 1 cm

Metres 1000 500 0 1 2 3 Kilometres

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REG. No. -SPU 1710 (GSDC-1:50,000)-

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No. F42F9

Scale 1:50,000

G42X8 (40P/8)	G42X12 (40P/12) Banās Kānha GUJARAT	G42X16 (40P/16)
F42F5 (41M/5)	F42F9 (41M/9) Rān GUJARAT	F42F13 (41M/13)
F42F6 (41M/6)	F42F10 (41M/10)	F42F14 (41M/14)

1. Mehesāna, GUJARAT
2. Surendranagar, GUJARAT
3. Kachohi, GUJARAT

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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; do.	
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, Chhatra, Church, Mosque, Idgah, Tomb, Graves	
Lighthouse, Lightship, Buoy: lighted; unlighted; Anchorage	
Mine: Vine on trellis; Grass; Scrub	
Palm: 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	
Heights, triangulated; station; point; approximate	
Bench-mark: geodetic; levelling; canal	
Post 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	

Proposed A.C. Line

REFERENCE

NH 15 National Highway No. 15

NOTES

Contours and heights have not been shown.
A relative height, e.g., 40, represents the approximate height, in metres, between the top and bottom of a steep slope.
A relative height, e.g., 40, 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 February.
Cactus hedges generally exist along cart-tracks and field bunds.
Cultivation is periodic and dependent on rainfall.

COMPILATION INDEX

A Surveyed during 1986-87. Updation for major details during 2006-07.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° in 2005.
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1:50,000

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

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REG. No. 9673-SPG D 11 (IGD & D GDC-1:50,000)-1508 15

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Published under the direction of Rajendra Mani Topiwala, M.Sc. (Physics), P.G. Diploma (Carto), ITC, The Netherlands. Surveyor General of India.
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No. F42F13

Scale 1:50,000

G42X12 (40P/12)	G42X16 (40P/16) Banaskantha GUJARAT	G43S4 (45D/4)
F42F9 (41M/9)	F42F13 (41M/13) Patan GUJARAT	F43A1 (46A/1)
F42F10 (41M/10)	F42F14 (41M/14)	F43A2 (46A/2) Mahesana GUJARAT

1 Surendranagar, GUJARAT.

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	...
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, Perennial, dry	...
Embankments: road or rail, tank, Broken ground	...
Railways, broad gauge: double, single with station, under constr.	...
Railways, other gauge: double, single with distance stone, do.	...
Mineral line or tramway, Kib, Cutting with tunnel	...
Contours with sub-features, Rocky slopes, Cliffs	...
Sand features (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12)	...
Towns or Villages: inhabited, deserted, Fort	...
Huts: permanent, temporary, Tower, Antiquities, Fort	...
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	...
Arise: cultivated, wooded, Surveyed tree	...
Boundary, international	...
state: demarcated, undemarcated	...
district: subdivision, taluk or block, forest	...
Boundary pillars: surveyed, unlocated	...
Heights, triangulated, station, point, approximate	...
Bench-mark: geodetic, tertiary, canal	...
Post 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, Heliport, Tourist site	...
Power line: with pylons surveyed, with poles unsurveyed	...

Proposed D.F.C. Line

REFERENCE

NH 14 National Highway No. 14

NOTES:-

Heights and Contours have not been shown.
A relative height, e.g., 40, represents the approximate height, in metres, between the top and bottom of a steep slope.
Limits of cultivation are variable and dependent on rainfall.
Cactus hedges generally exist along field bunds and cart-tracks.
Tanks, shown dry, in this area usually contain water from July to October.

COMPILATION INDEX

A. Surveyed during 1986-87. Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° in 2005.
(Increasing by about 1° East annually).

1:50,000

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

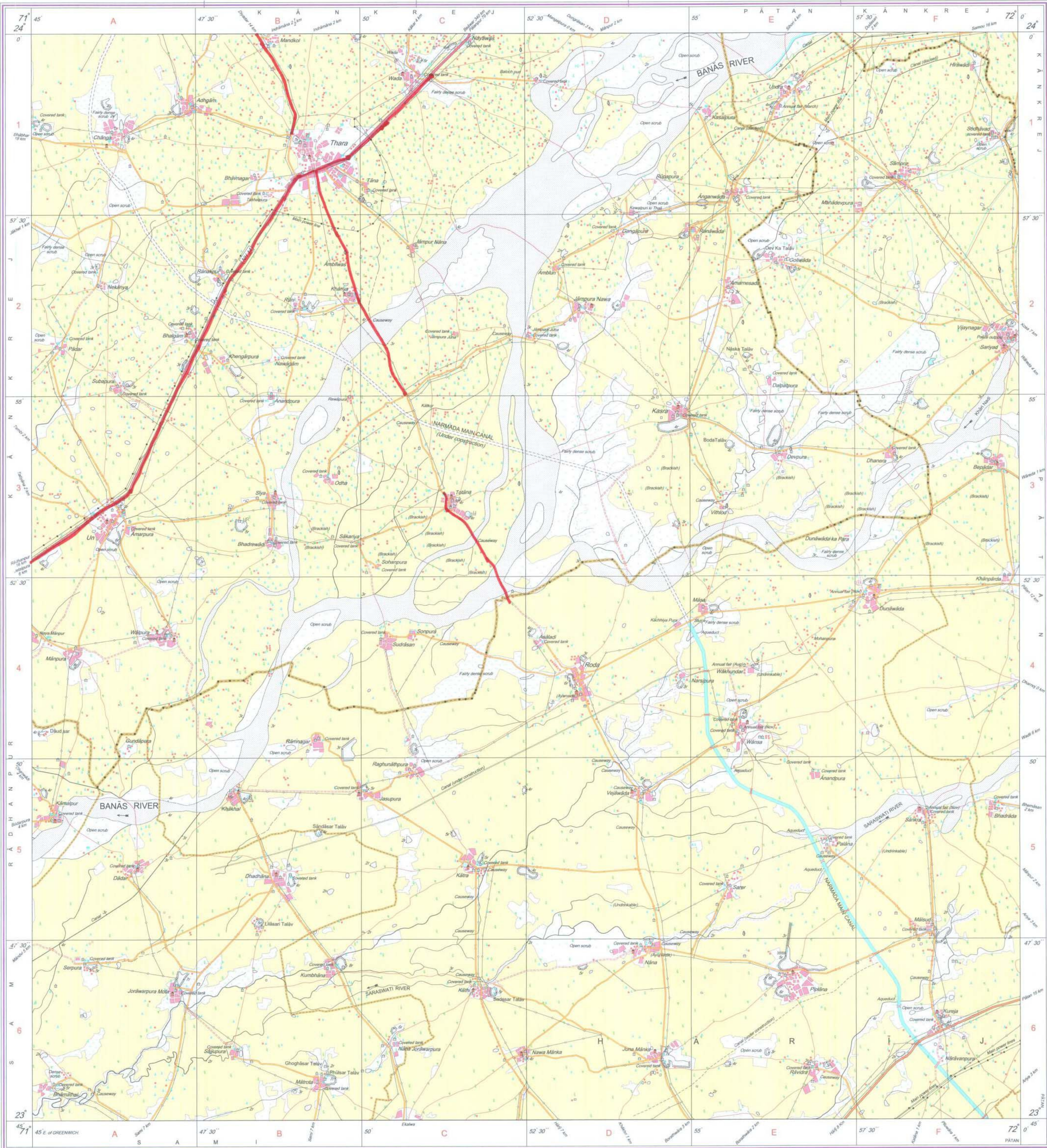
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B111 No. 61/47
dt. 07.03.2014
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Survey of India, Hattibakala Estate, Post Box No.37, Dehra Dun-248001 (Uttarakhand)
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Scale 1:50,000



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CONVENTIONAL SYMBOLS



Proposed D.A.C. Line

REFERENCE

Dep. Depression

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g., 50, represents the approximate height, in metres, between the top and bottom of a steep slope.
The triangulated heights and contours in this sheet have not been adjusted to the heights of the spirit-levelled bench-marks and are not strictly in accordance with them, but the discrepancy is unlikely to exceed 2 metres.
Tanks, shown dry, in this area usually contain water from July to October.
A relative height, e.g., 50, against a well, in blue, indicates its total depth in metres.
In sand areas, cultivation is periodic and dependent on rainfall.

COMPILATION INDEX

A Surveyed during 1959-60. Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° in 2005.

(Increasing by about 1° East annually)

1:50,000

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

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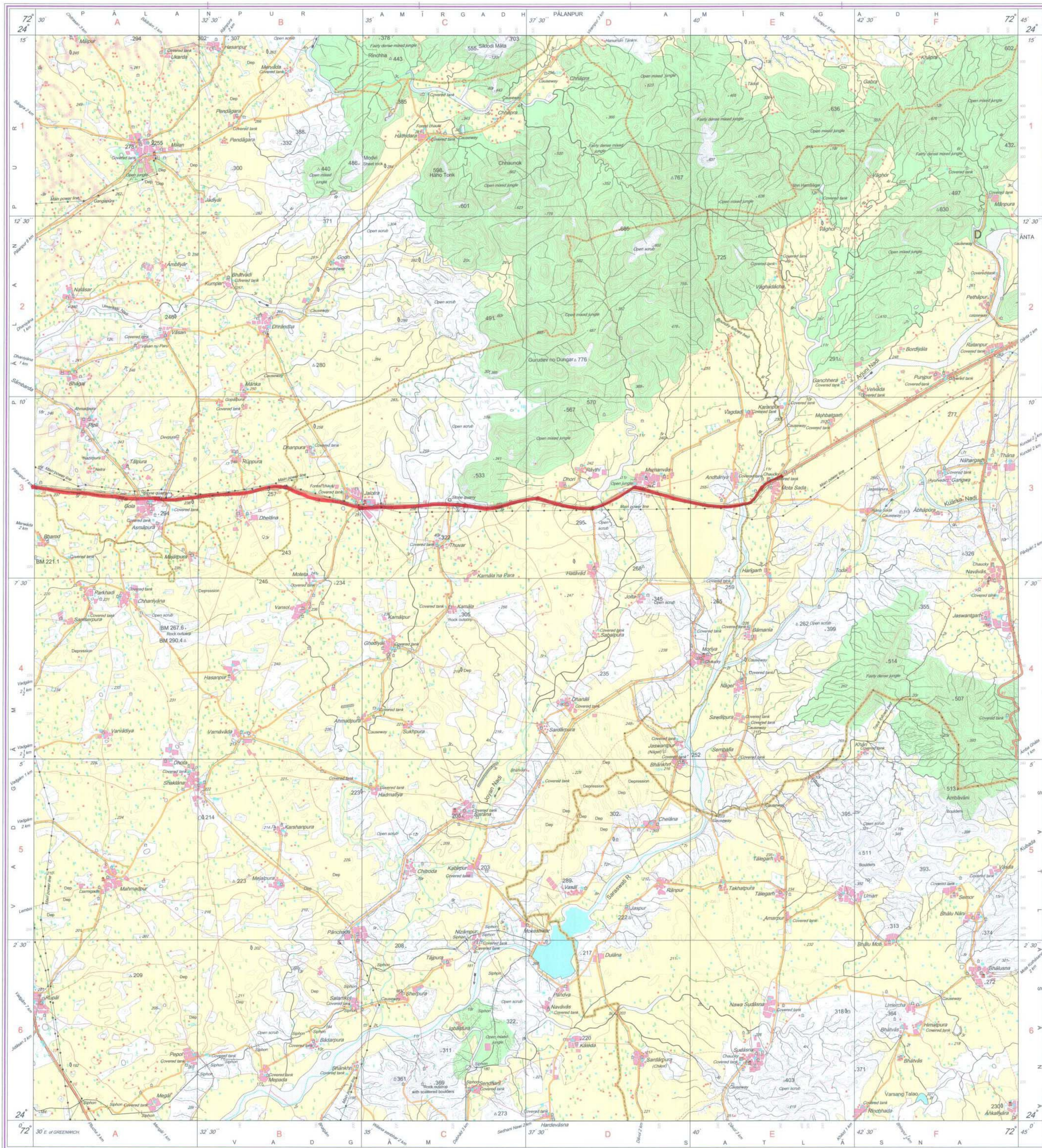
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No. F43A5

Scale 1:50,000

G43S4 (45D/4)	Banās Kāntha GUJARAT G43S8 (45D/8)	G43S12 (45D/12)
F43A1 (46A/1) Pātan GUJARAT	F43A5 (46A/5)	F43A9 (46A/9) Mahesāna GUJARAT
F43A2 (46A/2)	F43A6 (46A/6)	F43A10 (46A/10)

1 Gandhinagar, GUJARAT.
2 Ahmadabad, GUJARAT.

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 cartway, according to importance.	
Unmetalled road, Cart-track, Pack-track with pass, Foot-path.	
Stream, 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.	
Railways, broad gauge, double, single with station, under constn.	
Railways, other gauges, double, single with distance stone, do.	
Mineral line or tramway, Kān, 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, Chhatra, Church, Mosque, Idgah, Tomb, Graves.	
Lighthouse, Lightship, Buoys, lighted, unlighted, Anchorage.	
Mine, Vine on trellis, Grass, Scrub.	
Palms, palms, other, Plantain, Cuscuta, Bamboo, Other trees.	
Areas, cultivated, wooded, Surveyed tree.	
Boundary, international.	
state, demarcated, undemarcated.	
district, subdivision, taluk or taluk, forest.	
Boundary pillars: surveyed, unlocated.	
Heights, triangulated, station, point, approximate.	
Bench-mark: geodetic, tertiary, canal.	
Post office, Overhead tank.	
Rest house or inspection bungalow, Circuit house, Police station.	
Camping ground, Forest: reserved, protected.	
Speed names: administrative, locality or tribal.	
Hospital, Dispensary, Veterinary Hospital / Dispensary.	
Aerodrome, Helipad, Tourist site.	
Power line, with pylons surveyed, with poles unsurveyed.	

Proposed o.r.c. line

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Cart-tracks in this sheet are generally motorable (four-wheel drive) in dry season.
Where no low-well and canal exist, cultivation is periodic and dependent on rainfall.
Tanks, shown dry, in this area usually contain water from July to February.
Pylons are a place where there is arrangement for serving drinking water.

COMPILED INDEX

A Surveyed during 1961-62 Updated for major details from 1:25,000 survey, 1964-66 and updated from 1:50,000 survey 2005-06.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.
(Decreasing by 1° annually)

1:50,000

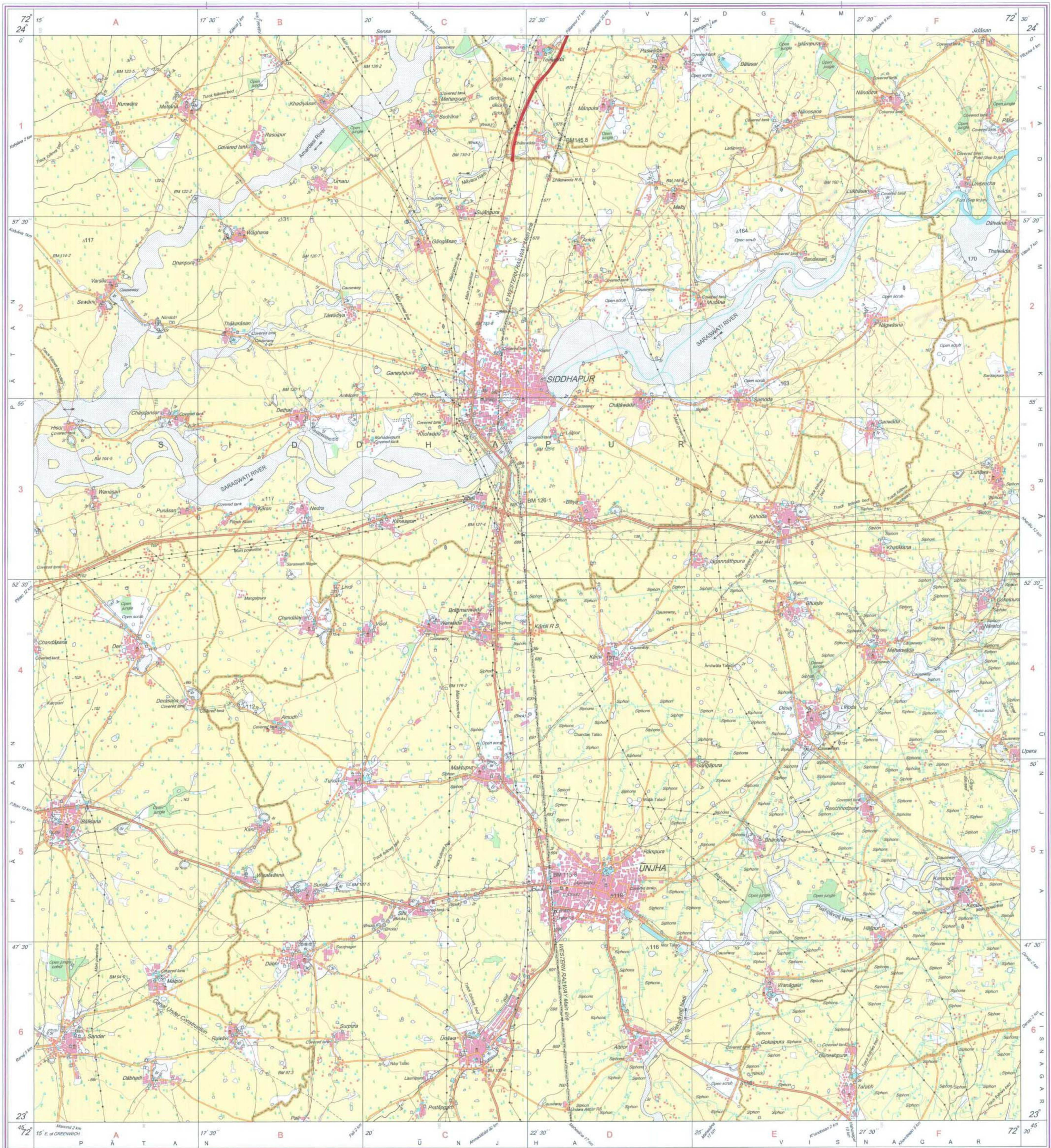
500 m to 1 km
Metres 1000 500 0 1 2 3 Kilometres
CONTOUR INTERVAL 10 METRES

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REG. No. SPO D11 (GDAD GDC-1:50,000)

Bill No. 61/47
dt. 07/03/2019
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No. G43S8

Scale 1:50,000

G43S3 (45D/3)	G43S7 (45D/7)	G43S11 (45D/11)
G43S4 (45D/4)	G43S8 (45D/8)	G43S12 (45D/12)
Patan GUJARAT F43A1 (46A/1)	F43A5 (46A/5)	F43A9 (46A/9) Mahesana GUJARAT

1 Sirahi, RAJASTHAN.

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CONVENTIONAL SYMBOLS



Proposed OFC line

REFERENCES

NH 14 National Highway No. 14. D Depression.

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, e.g., 100, represents the approximate height, in metres, between the top and bottom of a steep slope.
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, e.g., 100, against a well, in blue, indicates its total depth in metres.
Cart tracks in this sheet are generally motorable (four-wheel drive).
Tanks, shown dry, in this area usually contain water from July to April.
Limits of cultivation are variable and dependent on rainfall.
Cactus is shown thus.

COMPILATION INDEX

A. Surveyed during 1957-60. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° in 2005.
(Increasing by about 1° East annually.)

1:50,000

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

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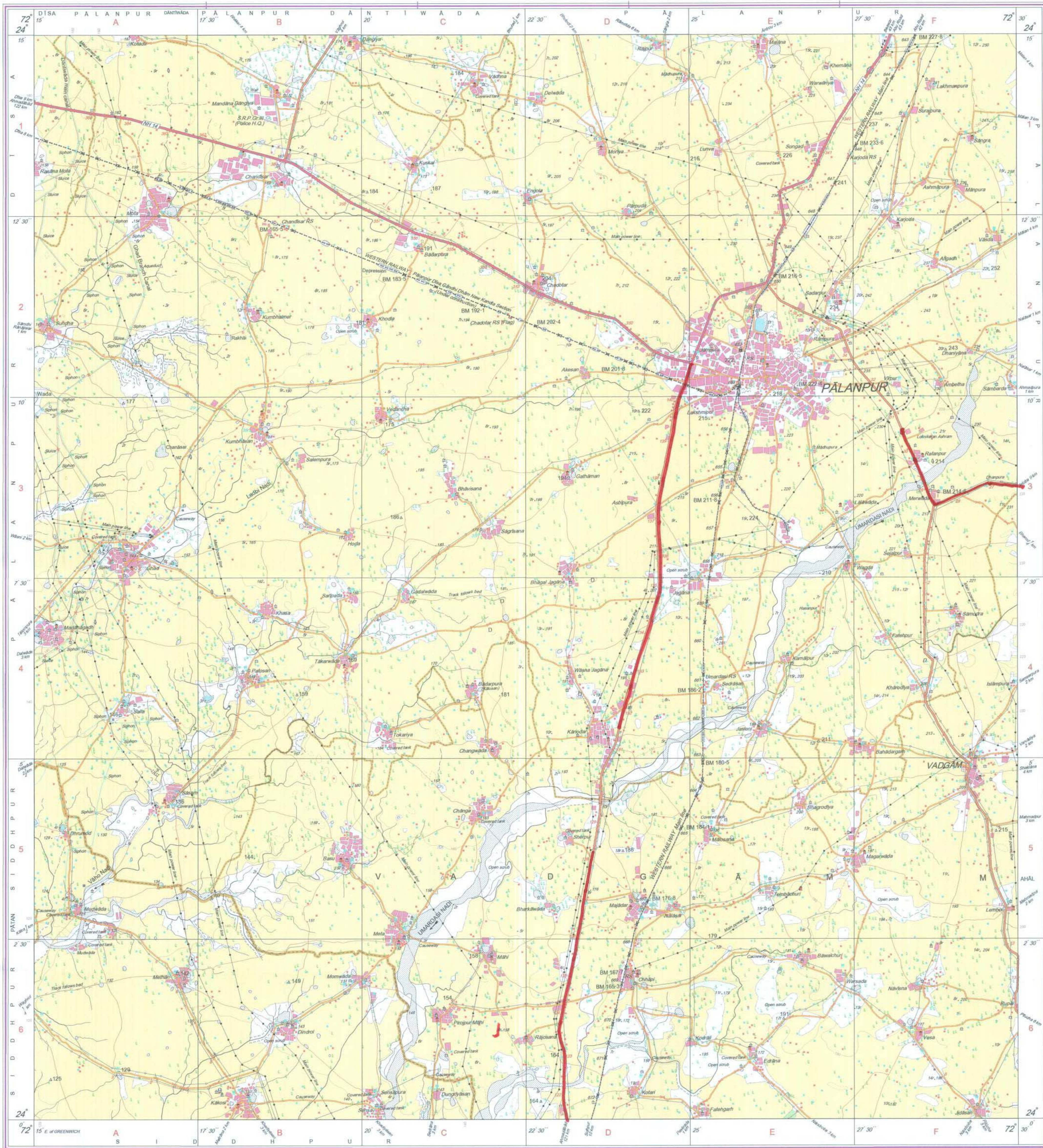
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