



No. F42L13

Scale 1:50,000

Kachchh GUJARAT F42F12 (41M/12)	F42F16 (41M/16)	F43A4 (46A/4)
F42L9 (41N/9)	Surendranagar GUJARAT F42L13 (41N/13)	2 Ahmedabad GUJARAT F43G1 (46B/1)
F42L10 (41N/10)	F42L14 (41N/14)	F43G2 (46B/2)

1 Mehsana, GUJARAT.

1st Edition 2011.

Price : Rs. 70/-

CONVENTIONAL SYMBOLS

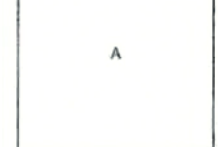
Express highway: with toll; with bridge; with distance shown	
Roads, metalled: according to importance	
Roads, double carriageway: according to importance	
Unmetalled road: Cart-track, Pack-track with pass, Foot-path	
Streams: with track in bed, undefined, Canal	
Dams: masonry or rock-filled; earthwork, 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 construction	
Railways, other gauges: double, single with station; under construction	
Mineral line or tramway, Kin. Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features (Tidal, (2) sand-hills, (3) dunes, (4) shifting)	
Towns or Villages: inhabited, deserted, Fort	
Huts: permanent, temporary, Tower, Antiquities	
Temples, Chhatra, Church, Mosque, Idgah, Tomb, Graves	
Lighthouse, Lightship, Buoys: lighted, unlighted, Anchorage	
Mine: Vene on reefs, 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, tertiary, canal	
Post office, Overhead tank	
Rail house or inspection bungalow, Ginnel 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	

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.
Tanks, shown dry, in this area usually contain water from July to December.
Cultivation is periodic and dependent on rainfall.

COMPILATION INDEX

A. Surveyed during 1955-56. Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.

1:50,000

500 m to 1 km
CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
Director
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TOPOSHEET Point 1 to 7, 10, 11

LEGENDS

Canal Alignment
Forest Land

POINT	LATITUDE	LONGITUDE
CP-1	22° 53' 17.46 N	71° 48' 41.89 E
1/1	22° 53' 17.47 N	71° 48' 41.35 E
1/2	22° 53' 17.76 N	71° 48' 41.49 E
1/3	22° 53' 17.70 N	71° 48' 41.66 E
1/4	22° 53' 17.41 N	71° 48' 41.52 E
1/5	22° 53' 17.19 N	71° 48' 42.18 E
1/6	22° 53' 17.49 N	71° 48' 42.33 E
1/7	22° 53' 17.44 N	71° 48' 42.48 E
1/8	22° 53' 17.14 N	71° 48' 42.34 E

POINT	LATITUDE	LONGITUDE
CP-2	22° 52' 03.39 N	71° 47' 56.14 E
2/1	22° 52' 03.52 N	71° 47' 55.62 E
2/2	22° 52' 03.80 N	71° 47' 55.82 E
2/3	22° 52' 03.70 N	71° 47' 55.97 E
2/4	22° 52' 03.44 N	71° 47' 55.76 E
2/5	22° 52' 03.09 N	71° 47' 56.34 E
2/6	22° 52' 03.33 N	71° 47' 56.56 E
2/7	22° 52' 03.24 N	71° 47' 56.70 E
2/8	22° 52' 03.00 N	71° 47' 56.49 E

POINT	LATITUDE	LONGITUDE
CP-3	22° 50' 41.51 N	71° 47' 31.81 E
3/1	22° 50' 41.12 N	71° 47' 31.46 E
3/2	22° 50' 41.60 N	71° 47' 31.16 E
3/3	22° 50' 41.67 N	71° 47' 31.32 E
3/4	22° 50' 41.19 N	71° 47' 31.63 E
3/5	22° 50' 41.45 N	71° 47' 31.21 E
3/6	22° 50' 41.97 N	71° 47' 31.99 E
3/7	22° 50' 42.04 N	71° 47' 32.16 E
3/8	22° 50' 41.51 N	71° 47' 32.74 E

POINT	LATITUDE	LONGITUDE
CP-4	22° 48' 23.43 N	71° 49' 27.21 E
4/1	22° 48' 23.05 N	71° 49' 26.95 E
4/2	22° 48' 23.43 N	71° 49' 26.45 E
4/3	22° 48' 23.52 N	71° 49' 26.60 E
4/4	22° 48' 23.14 N	71° 49' 27.09 E
4/5	22° 48' 23.40 N	71° 49' 27.69 E
4/6	22° 48' 23.86 N	71° 49' 27.26 E
4/7	22° 48' 23.94 N	71° 49' 27.41 E
4/8	22° 48' 23.52 N	71° 49' 27.83 E

POINT	LATITUDE	LONGITUDE
CP-5	22° 49' 05.25 N	71° 48' 41.39 E
5/1	22° 49' 04.70 N	71° 48' 41.26 E
5/2	22° 49' 04.96 N	71° 48' 41.03 E
5/3	22° 49' 05.10 N	71° 48' 41.12 E
5/4	22° 49' 04.84 N	71° 48' 41.35 E
5/5	22° 49' 05.42 N	71° 48' 41.66 E
5/6	22° 49' 05.68 N	71° 48' 41.44 E
5/7	22° 49' 05.82 N	71° 48' 41.54 E
5/8	22° 49' 05.57 N	71° 48' 41.75 E

POINT	LATITUDE	LONGITUDE
CP-6	22° 49' 32.11 N	71° 48' 18.27 E
6/1	22° 49' 31.85 N	71° 48' 17.88 E
6/2	22° 49' 32.24 N	71° 48' 17.55 E
6/3	22° 49' 32.25 N	71° 48' 17.73 E
6/4	22° 49' 31.89 N	71° 48' 18.05 E
6/5	22° 49' 31.97 N	71° 48' 18.78 E
6/6	22° 49' 32.34 N	71° 48' 18.46 E
6/7	22° 49' 32.38 N	71° 48' 18.63 E
6/8	22° 49' 31.99 N	71° 48' 18.95 E

POINT	LATITUDE	LONGITUDE
CP-7	22° 50' 16.18 N	71° 47' 47.82 E
7/1	22° 50' 16.09 N	71° 47' 47.39 E
7/2	22° 50' 16.39 N	71° 47' 47.21 E
7/3	22° 50' 16.38 N	71° 47' 47.39 E
7/4	22° 50' 16.07 N	71° 47' 47.56 E
7/5	22° 50' 15.98 N	71° 47' 48.25 E
7/6	22° 50' 16.31 N	71° 47' 48.10 E
7/7	22° 50' 16.29 N	71° 47' 48.27 E
7/8	22° 50' 15.97 N	71° 47' 48.42 E

POINT	LATITUDE	LONGITUDE
CP-10	22° 46' 23.00 N	71° 50' 54.93 E
10/1	22° 46' 22.70 N	71° 50' 54.51 E
10/2	22° 46' 23.00 N	71° 50' 54.37 E
10/3	22° 46' 23.06 N	71° 50' 54.54 E
10/4	22° 46' 22.76 N	71° 50' 54.67 E
10/5	22° 46' 22.95 N	71° 50' 55.31 E
10/6	22° 46' 23.27 N	71° 50' 55.22 E
10/7	22° 46' 23.33 N	71° 50' 55.39 E
10/8	22° 46' 23.02 N	71° 50' 55.47 E

POINT	LATITUDE	LONGITUDE
CP-11	22° 45' 10.27 N	71° 51' 02.05 E
11/1	22° 45' 09.98 N	71° 51' 01.56 E
11/2	22° 45' 10.34 N	71° 51' 01.52 E
11/3	22° 45' 10.37 N	71° 51' 01.69 E
11/4	22° 45' 10.03 N	71° 51' 01.74 E
11/5	22° 45' 10.18 N	71° 51' 02.40 E
11/6	22° 45' 10.53 N	71° 51' 02.37 E
11/7	22° 45' 10.57 N	71° 51' 02.55 E
11/8	22° 45' 10.22 N	71° 51' 02.57 E

REG. No. SPG D11 (GD&D GDC-150,000)

सुरेन्द्रनगर, तमिल नाडु / Gujarat, Daman & Diu
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सुरेन्द्रनगर, तमिल नाडु / Gujarat, Daman & Diu

Executive Engineer,
Saurashtra Branch Canal No. 4/2,
Limbdi

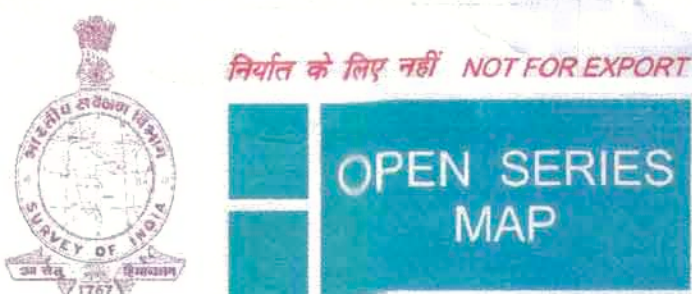
C.R.V. GUJARAT

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Survey of India, Hattibarkala Estate, Post Box No.37, Dehra Dun-248001 (Uttarakhand),
Department of Science & Technology, Government of India.

Deputy Executive Engineer
S.B.C. Sub. Dn. No. 4/2-A
SURENDRANAGAR
(P.N. Twenty)

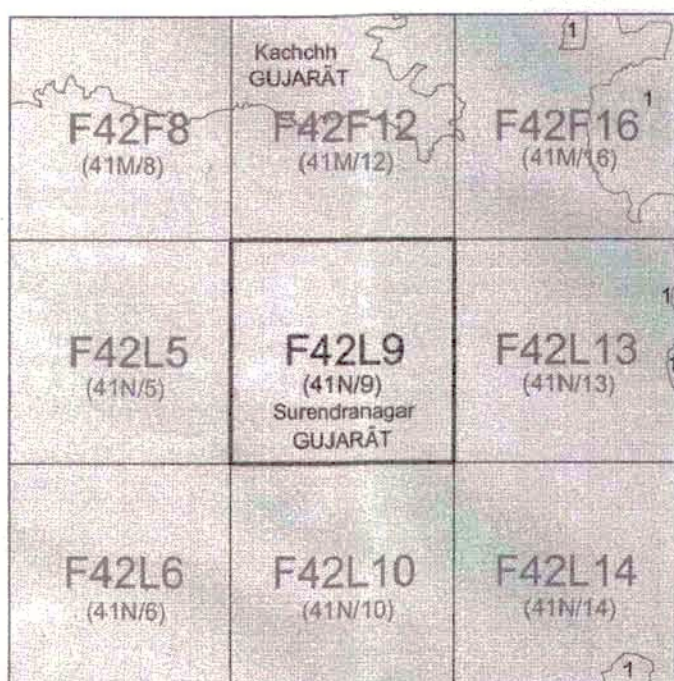
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SURENDRANAGAR

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Scale 1:50,000



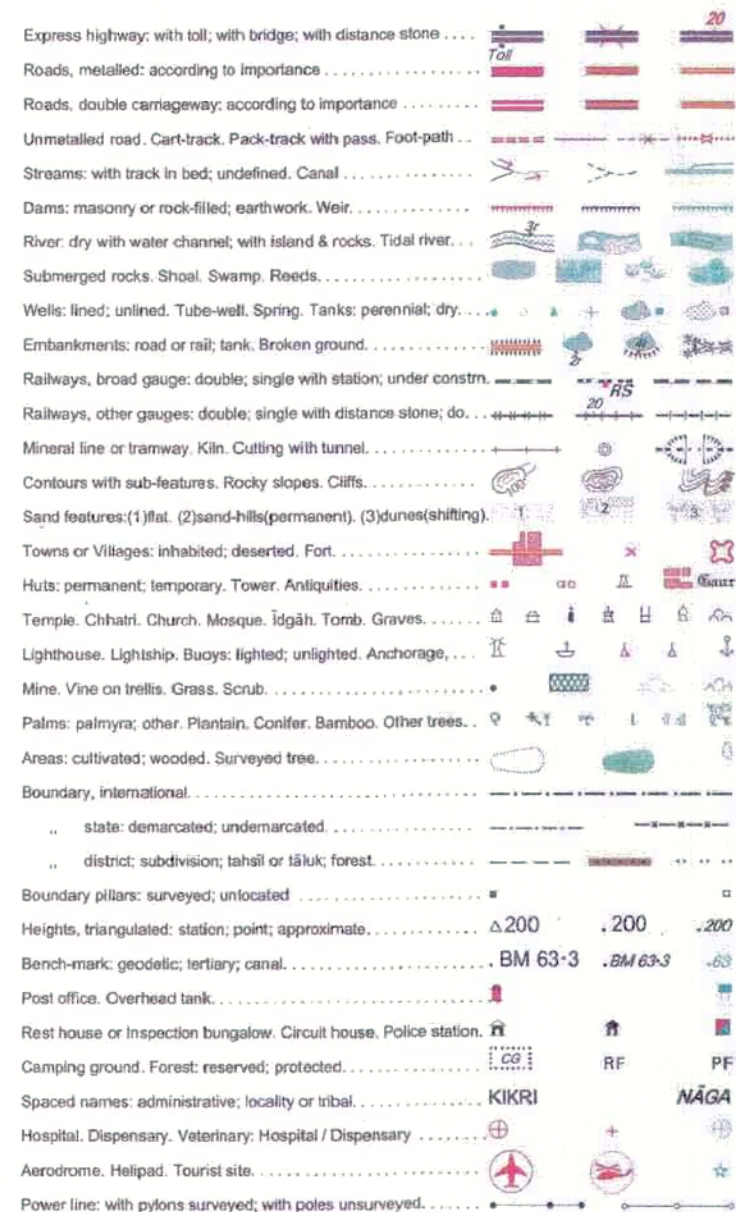
1 Ahmedabad, GUJARAT.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2011.

Price : Rs. 118/-

CONVENTIONAL SYMBOLS

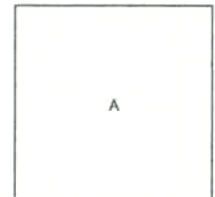


NOTES:-

Heights and contours are in metres.
Contours are approximate.
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.
Cart tracks in this sheet are generally motorable in dry season.
Tanks, shown dry, in this area usually contain water from July to December.

COMPILATION INDEX

A Surveyed during 1966-67. Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

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

1:50,000



CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

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Survey of India, Sector-10(A)
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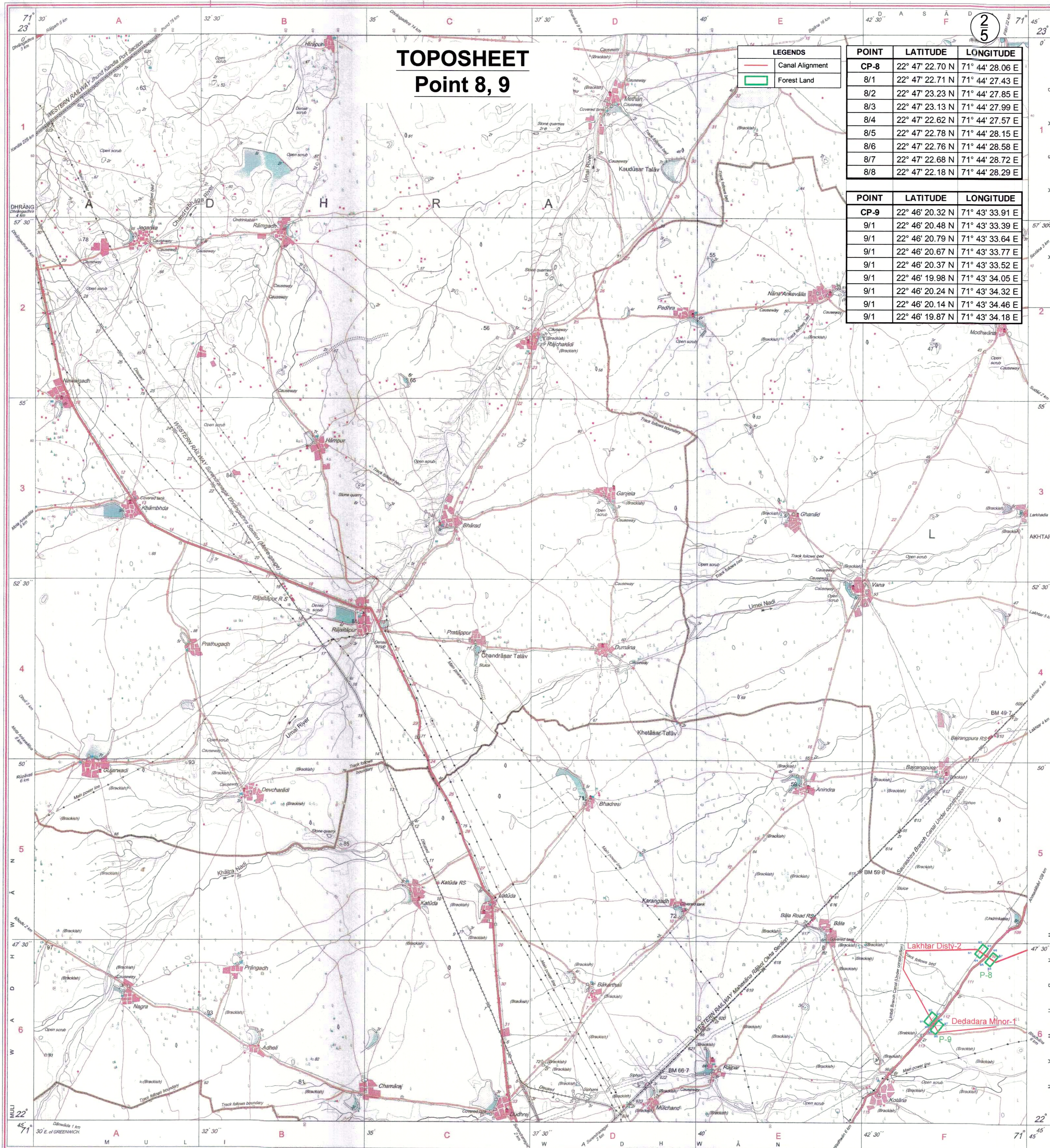
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TOPOSHEET
Point 8, 9

LEGENDS	
	Canal Alignment
	Forest Land

POINT	LATITUDE	LONGITUDE
CP-8	22° 47' 22.70 N	71° 44' 28.06 E
8/1	22° 47' 22.71 N	71° 44' 27.43 E
8/2	22° 47' 23.23 N	71° 44' 27.85 E
8/3	22° 47' 23.13 N	71° 44' 27.99 E
8/4	22° 47' 22.62 N	71° 44' 27.57 E
8/5	22° 47' 22.78 N	71° 44' 28.15 E
8/6	22° 47' 22.76 N	71° 44' 28.58 E
8/7	22° 47' 22.68 N	71° 44' 28.72 E
8/8	22° 47' 22.18 N	71° 44' 28.29 E

POINT	LATITUDE	LONGITUDE
CP-9	22° 46' 20.32 N	71° 43' 33.91 E
9/1	22° 46' 20.48 N	71° 43' 33.39 E
9/1	22° 46' 20.79 N	71° 43' 33.64 E
9/1	22° 46' 20.67 N	71° 43' 33.77 E
9/1	22° 46' 20.37 N	71° 43' 33.52 E
9/1	22° 46' 19.98 N	71° 43' 34.05 E
9/1	22° 46' 20.24 N	71° 43' 34.32 E
9/1	22° 46' 20.14 N	71° 43' 34.46 E
9/1	22° 46' 19.87 N	71° 43' 34.18 E



REG. No. 9668-SPG D 11 (GD & D GDC-1:50,000-1:508 15.

Executive Engineer,
Saurashtra Branch Canal Dn. 4/2,
Limbdi

भारत के सर्वेक्षण विभाग द्वारा तैयार किया गया, पुनः प्रकाशित, भू-सर्वेक्षण विभाग (भू-सर्वेक्षण विभाग) के निदेशन में प्रकाशित।
Published under the direction of Rajendra Mani Tripathi, M.Sc. (Physics), P.G. Diploma (Carto) (ITC, The Netherlands) Surveyor General of India,
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Department of Science & Technology, Government of India.

Survey Executive Engineer
S.B.C. Sub. Dn. No. 4/2-A
SURENDRANAGAR
(R.N. Tripathi)

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No. F42L14

Scale 1:50,000

F42L9 (41N/9)	F42L13 (41N/13)	F43G1 (46B/1) Ahmedabad GUJARAT
F42L10 (41N/10)	F42L14 (41N/14)	F43G2 (46B/2)
F42L11 (41N/11)	F42L15 (41N/15) Ahmedabad GUJARAT	F43G3 (46B/3)

1 Bhavnagar, GUJARAT.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010.

Price: Rs. 70/-

CONVENTIONAL SYMBOLS

Express highway, with toll, with bridge, with distance stone	
Roads, metalled, according to importance	
Roads, double camargue, according to importance	
Unmetalled road, Cart-track, Pack-track with pass, Foot-path	
Streams, 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 construction	
Railways, other gauges, double, single with distance stone, do.	
Mineral line or tramway, Kin, Cutting with distance stone, do.	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features (1 flat, 2 sand-hills permanent), (3 dunes) (chilling)	
Towns or Villages, inhabited, deserted, Fort	
Huts, permanent, temporary, Tower, Antiquities	
Temple, Chhatri, Church, Mosque, Igah, Tomb, Graves	
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage	
Mine, open on trellis, Grass, Scrub	
Palms, palms, 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, uncollocated	
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, Helipad, Tourist site	
Power line, with pylons surveyed, with poles unsurveyed	

REFERENCE

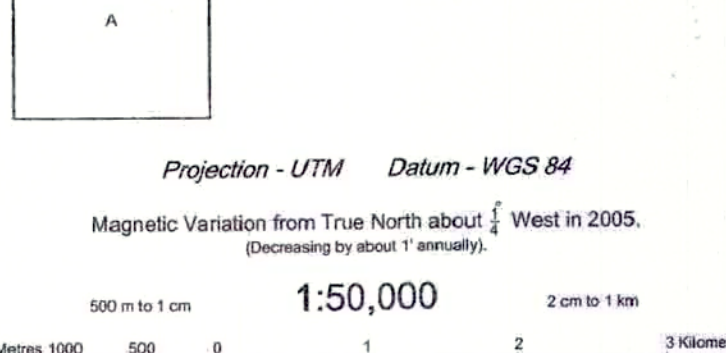
NH 64 National Highway No. 64

NOTES

Heights and Contours have not been shown.
A relative height, or 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.
Cultivation is periodic and dependent on rainfall.
Most of the wells in this sheet are brackish.

COMPILED INDEX

A. Compiled from 1:25,000 survey, 1986-87. Updated for major details during 2005-06.



For further details about this map, please contact
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TOPOSHEET
Point 12 to 17, 21 to 37

LEGENDS	
	Canal Alignment
	Forest Land

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-12	22° 44' 15.75 N	71° 51' 06.18 E	CP-27	22° 32' 20.19 N	71° 48' 17.93 E
12/1	22° 44' 15.62 N	71° 51' 05.72 E	27/1	22° 32' 19.89 N	71° 48' 17.42 E
12/2	22° 44' 15.95 N	71° 51' 05.61 E	27/2	22° 32' 20.47 N	71° 48' 17.41 E
12/3	22° 44' 15.94 N	71° 51' 05.78 E	27/3	22° 32' 20.48 N	71° 48' 17.59 E
12/4	22° 44' 15.61 N	71° 51' 05.89 E	27/4	22° 32' 19.90 N	71° 48' 17.60 E
12/5	22° 44' 15.55 N	71° 51' 06.57 E	27/5	22° 32' 19.92 N	71° 48' 18.27 E
12/6	22° 44' 15.90 N	71° 51' 06.51 E	27/6	22° 32' 20.51 N	71° 48' 18.31 E
12/7	22° 44' 15.89 N	71° 51' 06.68 E	27/7	22° 32' 20.51 N	71° 48' 18.48 E
12/8	22° 44' 15.54 N	71° 51' 06.74 E	27/8	22° 32' 19.94 N	71° 48' 18.44 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-13	22° 42' 21.43 N	71° 50' 46.59 E	CP-28	22° 31' 56.90 N	71° 48' 04.56 E
13/1	22° 42' 21.15 N	71° 50' 45.82 E	28/1	22° 31' 56.72 N	71° 48' 03.86 E
13/2	22° 42' 21.75 N	71° 50' 46.34 E	28/2	22° 31' 57.05 N	71° 48' 04.05 E
13/3	22° 42' 21.74 N	71° 50' 46.52 E	28/3	22° 31' 57.08 N	71° 48' 04.27 E
13/4	22° 42' 21.14 N	71° 50' 45.99 E	28/4	22° 31' 56.73 N	71° 48' 04.06 E
13/5	22° 42' 21.17 N	71° 50' 46.66 E	28/5	22° 31' 56.76 N	71° 48' 04.88 E
13/6	22° 42' 21.69 N	71° 50' 47.23 E	28/6	22° 31' 57.09 N	71° 48' 05.16 E
13/7	22° 42' 21.59 N	71° 50' 47.41 E	28/7	22° 31' 57.09 N	71° 48' 05.39 E
13/8	22° 42' 21.10 N	71° 50' 46.84 E	28/8	22° 31' 56.76 N	71° 48' 05.12 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-14	22° 40' 20.25 N	71° 49' 50.36 E	CP-29	22° 32' 54.49 N	71° 48' 30.76 E
14/1	22° 40' 19.78 N	71° 49' 49.90 E	29/1	22° 32' 54.19 N	71° 48' 30.12 E
14/2	22° 40' 20.58 N	71° 49' 49.81 E	29/2	22° 32' 54.60 N	71° 48' 30.25 E
14/3	22° 40' 20.60 N	71° 49' 49.99 E	29/3	22° 32' 54.63 N	71° 48' 30.45 E
14/4	22° 40' 19.80 N	71° 49' 50.07 E	29/4	22° 32' 54.21 N	71° 48' 30.31 E
14/5	22° 40' 19.91 N	71° 49' 50.75 E	29/5	22° 32' 54.34 N	71° 48' 31.07 E
14/6	22° 40' 20.71 N	71° 49' 50.66 E	29/6	22° 32' 54.77 N	71° 48' 31.27 E
14/7	22° 40' 20.74 N	71° 49' 50.84 E	29/7	22° 32' 54.80 N	71° 48' 31.48 E
14/8	22° 40' 19.94 N	71° 49' 50.93 E	29/8	22° 32' 54.36 N	71° 48' 31.27 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-15	22° 38' 35.99 N	71° 45' 45.81 E	CP-30	22° 34' 29.66 N	71° 49' 27.68 E
15/1	22° 38' 35.51 N	71° 45' 45.56 E	30/1	22° 34' 30.41 N	71° 49' 27.41 E
15/2	22° 38' 36.08 N	71° 45' 45.08 E	30/2	22° 34' 30.41 N	71° 49' 27.83 E
15/3	22° 38' 36.21 N	71° 45' 45.40 E	30/3	22° 34' 29.83 N	71° 49' 27.87 E
15/4	22° 38' 35.65 N	71° 45' 45.88 E	30/4	22° 34' 29.82 N	71° 49' 27.46 E
15/5	22° 38' 35.77 N	71° 45' 46.17 E	30/5	22° 34' 29.52 N	71° 49' 27.48 E
15/6	22° 38' 36.56 N	71° 45' 45.76 E	30/6	22° 34' 29.51 N	71° 49' 27.91 E
15/7	22° 38' 36.48 N	71° 45' 46.08 E	30/7	22° 34' 29.93 N	71° 49' 27.95 E
15/8	22° 38' 35.89 N	71° 45' 46.49 E	30/8	22° 34' 29.93 N	71° 49' 27.55 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-16	22° 39' 08.88 N	71° 45' 17.15 E	CP-31	22° 34' 04.77 N	71° 48' 31.14 E
16/1	22° 39' 08.71 N	71° 45' 16.57 E	31/1	22° 34' 05.32 N	71° 48' 30.49 E
16/2	22° 39' 09.03 N	71° 45' 16.24 E	31/2	22° 34' 05.44 N	71° 48' 30.81 E
16/3	22° 39' 09.02 N	71° 45' 16.77 E	31/3	22° 34' 04.93 N	71° 48' 30.23 E
16/4	22° 39' 08.73 N	71° 45' 17.04 E	31/4	22° 34' 04.84 N	71° 48' 30.87 E
16/5	22° 39' 08.74 N	71° 45' 17.46 E	31/5	22° 34' 04.59 N	71° 48' 31.08 E
16/6	22° 39' 09.04 N	71° 45' 17.19 E	31/6	22° 34' 04.66 N	71° 48' 31.44 E
16/7	22° 39' 09.04 N	71° 45' 17.68 E	31/7	22° 34' 04.16 N	71° 48' 31.86 E
16/8	22° 39' 08.75 N	71° 45' 17.94 E	31/8	22° 34' 04.09 N	71° 48' 31.47 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-17	22° 37' 51.39 N	71° 46' 44.18 E	CP-32	22° 32' 24.21 N	71° 49' 17.54 E
17/1	22° 37' 51.02 N	71° 46' 43.87 E	32/1	22° 32' 23.89 N	71° 49' 17.13 E
17/2	22° 37' 51.24 N	71° 46' 43.60 E	32/2	22° 32' 24.45 N	71° 49' 16.76 E
17/3	22° 37' 51.42 N	71° 46' 43.89 E	32/3	22° 32' 24.48 N	71° 49' 17.19 E
17/4	22° 37' 51.20 N	71° 46' 44.16 E	32/4	22° 32' 23.90 N	71° 49' 17.54 E
17/5	22° 37' 51.38 N	71° 46' 44.48 E	32/5	22° 32' 23.92 N	71° 49' 17.89 E
17/6	22° 37' 51.60 N	71° 46' 44.21 E	32/6	22° 32' 24.49 N	71° 49' 17.99 E
17/7	22° 37' 51.77 N	71° 46' 44.50 E	32/7	22° 32' 24.52 N	71° 49' 17.98 E
17/8	22° 37' 51.55 N	71° 46' 44.75 E	32/8	22° 32' 23.94 N	71° 49' 18.23 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-21	22° 35' 08.53 N	71° 47' 54.76 E	CP-33	22° 32' 55.65 N	71° 48' 58.08 E
21/1	22° 35' 08.14 N	71° 47' 54.37 E	33/1	22° 32' 55.25 N	71° 48' 57.78 E
21/2	22° 35' 08.79 N	71° 47' 54.11 E	33/2	22° 32' 55.49 N	71° 48' 57.78 E
21/3	22° 35' 08.82 N	71° 47' 54.29 E	33/3	22° 32' 55.67 N	71° 48' 57.78 E
21/4	22° 35' 08.16 N	71° 47' 54.54 E	33/4	22° 32' 55.44 N	71° 48' 58.08 E
21/5	22° 35' 08.24 N	71° 47' 55.20 E	33/5	22° 32' 55.60 N	71° 48' 58.38 E
21/6	22° 35' 08.92 N	71° 47' 55.02 E	33/6	22° 32' 55.88 N	71° 48' 58.09 E
21/7	22° 35' 08.94 N	71° 47' 55.20 E	33/7	22° 32' 56.03 N	71° 48' 58.38 E
21/8	22° 35' 08.27 N	71° 47' 55.37 E	33/8	22° 32' 55.78 N	71° 48' 58.66 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-22	22° 35' 39.74 N	71° 49' 19.39 E	CP-34	22° 34' 30.09 N	71° 50' 15.06 E
22/1	22° 35' 39.57 N	71° 49' 18.81 E	34/1	22° 34' 30.82 N	71° 50' 14.84 E
22/2	22° 35' 40.32 N	71° 49' 19.02 E	34/2	22° 34' 30.82 N	71° 50' 15.29 E
22/3	22° 35' 40.25 N	71° 49' 19.18 E	34/3	22° 34' 30.23 N	71° 50' 15.29 E
22/4	22° 35' 39.50 N	71° 49' 18.96 E	34/4	22° 34' 30.25 N	71° 50' 14.85 E
22/5	22° 35' 39.23 N	71° 49' 19.57 E	34/5	22° 34' 29.94 N	71° 50' 14.85 E
22/6	22° 35' 39.96 N	71° 49' 19.87 E	34/6	22° 34' 29.94 N	71° 50' 15.30 E
22/7	22° 35' 39.90 N	71° 49' 20.03 E	34/7	22° 34' 29.34 N	71° 50' 15.29 E
22/8	22° 35' 39.18 N	71° 49' 19.73 E	34/8	22° 34' 29.35 N	71° 50' 14.85 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-23	22° 36' 27.12 N	71° 47' 48.04 E	CP-35	22° 31' 20.30 N	71° 47' 34.87 E
23/1	22° 36' 26.81 N	71° 47' 47.59 E	35/1	22° 31' 20.47 N	71° 47' 34.37 E
23/2	22° 36' 27.15 N	71° 47' 47.48 E	35/2	22° 31' 20.74 N	71° 47' 34.51 E
23/3	22° 36' 27.25 N	71° 47' 47.81 E	35/3	22° 31' 20.64 N	71° 47' 34.66 E
23/4	22° 36' 26.91 N	71° 47' 47.93 E	35/4	22° 31' 20.36 N	71° 47' 34.51 E
23/5	22° 36' 27.00 N	71° 47' 48.25 E	35/5	22° 31' 20.99 N	71° 47' 35.07 E
23/6	22° 36' 27.34 N	71° 47' 48.15 E	35/6	22° 31' 20.23 N	71° 47' 35.23 E
23/7	22° 36' 27.43 N	71° 47' 48.49 E	35/7	22° 31' 20.14 N	71° 47' 35.37 E
23/8	22° 36' 27.09 N	71° 47' 48.58 E	35/8	22° 31' 19.89 N	71° 47' 35.20 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-24	22° 35' 53.38 N	71° 49' 21.03 E	CP-36	22° 31' 15.19 N	71° 49' 55.09 E
24/1	22° 35' 53.17 N	71° 49' 20.52 E	36/1	22° 31' 14.92 N	71° 49' 54.66 E
24/2	22° 35' 53.53 N	71° 49' 20.51 E	36/2	22° 31' 15.35 N	71° 49' 54.41 E
24/3	22° 35' 53.54 N	71° 49' 20.68 E	36/3	22° 31' 15.39 N	71° 49' 54.80 E
24/4	22° 35' 53.18 N	71° 49' 20.70 E	36/4	22° 31' 14.94 N	71° 49' 55.02 E
24/5	22° 35' 53.23 N	71° 49' 21.37 E	36/5	22° 31' 14.99 N	71° 49' 55.40 E
24/6	22° 35' 53.58 N	71° 49' 21.39 E	36/6	22° 31' 15.42 N	71° 49' 55.17 E
24/7	22° 35' 53.60 N	71° 49' 21.56 E	36/7	22° 31' 15.45 N	71° 49' 55.54 E
24/8	22° 35' 53.24 N	71° 49' 21.55 E	36/8	22° 31' 15.02 N	71° 49' 55.74 E

POINT	LATITUDE	LONGITUDE	POINT	LATITUDE	LONGITUDE
CP-25	22° 34' 59.06 N	71° 49' 11.17 E	CP-37	22° 34' 30.76 N	71° 53' 14.99 E
25/1	22° 34' 58.87 N	71° 49' 10.66 E	37/1	22° 34' 31.52 N	71° 53' 14.79 E
25/2	22° 34' 59.26 N	71° 49' 10.65 E	37/2	22° 34' 31.50 N	71° 53' 15.18 E
25/3	22° 34' 59.26 N	71° 49' 10.83 E	37/3	22° 34' 30.82 N	71° 53' 15.19 E
25/4	22° 34' 58.87 N	71° 49' 10.84 E	37/4	22° 34' 30.93 N	71° 53' 14.80 E
25/5	22° 34' 58.87 N	71° 49' 11.53 E	37/5	22° 34' 30.62 N	71° 53' 14.80 E
25/6	22° 34' 59.25 N	71° 49' 11.53 E	37/6	22° 34' 30.81 N	71° 53' 15.19 E
25/7	22° 34' 59.25 N	71° 49' 10.71 E	37/7	22° 34' 30.03 N	71° 53' 15.19 E
25/8	22° 34' 58.87 N	71° 49' 11.02 E	37/8	22° 34' 30.02 N	71° 53' 14.81 E



1. Bhāvnagar, GUJARAT
2. Rāikot, GUJARAT

1st Edition 2011.

Price : Rs. 77/-

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. Waterfall

River; dry with water channel; with island & rocks. Tidal river

Swampland; reeds. 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. Kilm. Cutting with tunnel

Contours with sub-fences. Rocky slopes. Cattle

Salt features (1 flut. 22-lane-hls) permanent. Dykes (shifting)

Towns or Villages; inhabited; deserted. Fort

Huts or hamlets; temporary. Tower. Antiquities

Temple. Chhatti. Church. Mosque. Igloo. Tomb. Graves

Lighthouse. Lighthouse. Boats; lighted; unlighted. Anchorage

Mine. Vine on trellis. Grass. Scarb.

Palm; palmyra; other. Plantan. Cori. Bambu. Other trees

Area: cultivated; wooded. Surveyed tree

Boundary, international

= state; demarcated, undemarcated

district; subdivision; taluk or taluk forest

Boundary plants; surveyed; unlocated

Hedges; triangulated; station; post; approximate

Post mark; geodetic; tertiary; canal

Bench mark. Overland tank

Rest house or inspection bungalow. Circuit house. Police station

Camping ground. Forest reserved; protected

Spaced names: administrative, locality or tribal

Police Dispensary. Veterinary. Hospital / Dispensary

Aeroplane. Helipad. Tourist site

Power line; with pylons surveyed; with poles unsurveyed

REFERENCE

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MH-84 National Highway No. 8

NOTES :-

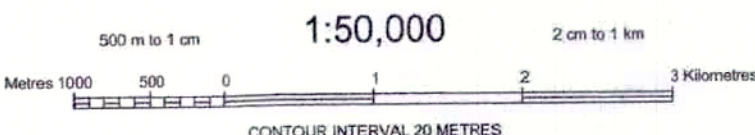
Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, h_r , represents the approximate height, in metres, between the top and bottom of a steep slope.
Wells are numerous throughout the sheet; only the important ones have been shown.
Car-tracks along which there is no descriptive remark are generally jeepable in dry season.
There are three countries at southern edge is not adjusted due to difference of surveyed season.

COMPILATION INDEX

	A	Surveyed during 1966-67. Updated for major details from 1:25,000 Survey, 2001-02.
	B	Surveyed during 1966-67. Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{4}^{\circ}$ West in 2005.
(Decreasing by about $1'$ annually).



For further details about this map, please contact

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Gujarāt, Dāman & Diu Geo-Spatial Data Centre
Survey of India, Sector 10(A)
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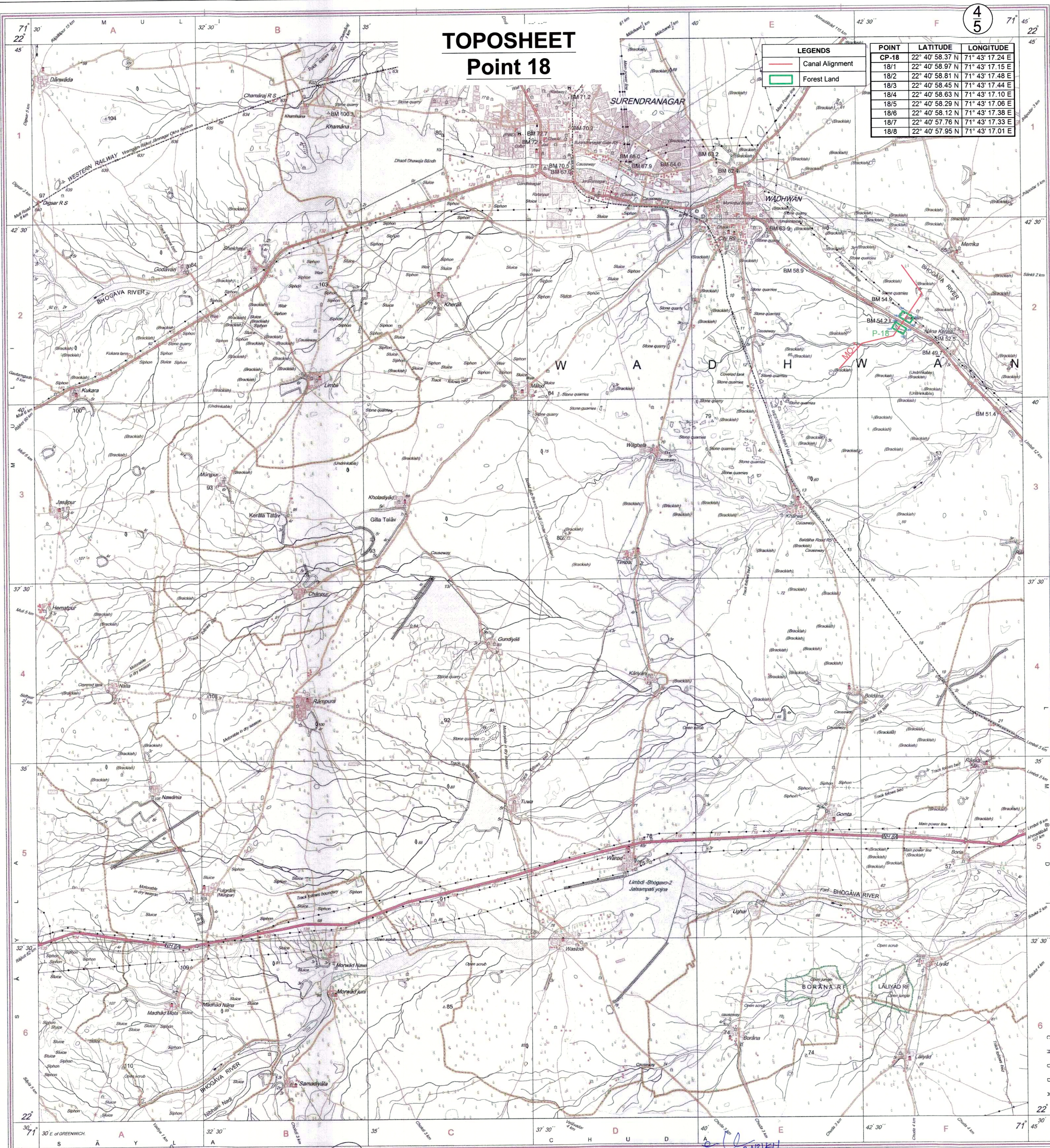
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TOPOSHEET

Point 18

POINT	LATITUDE	LONGITUDE
CP-18	22° 40' 58.37 N	71° 43' 17.24 E
18/1	22° 40' 58.97 N	71° 43' 17.15 E
18/2	22° 40' 58.81 N	71° 43' 17.48 E
18/3	22° 40' 58.45 N	71° 43' 17.44 E
18/4	22° 40' 58.63 N	71° 43' 17.10 E
18/5	22° 40' 58.29 N	71° 43' 17.06 E
18/6	22° 40' 58.12 N	71° 43' 17.38 E
18/7	22° 40' 57.76 N	71° 43' 17.33 E
18/8	22° 40' 57.95 N	71° 43' 17.01 E



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Mashra Branch Canal Dn. 4/2
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Department of Science & Technology, Government of India.

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S.B.C. Sub Dn. No. 4/2-C
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F42L12 (41N/12) Bhavnagar GUJARAT	F42L16 (41N/16)	F43G4 (46B/4)

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भारतीय सर्वेक्षण विभाग

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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: Floods	
Wells: lined: unlined: Tube-well: Spring: Tanks: permanent: dry	
Embarkments: road or rail: tank: Broken ground	
Railways: broad gauge: double: single with station: under construction	
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-hills (permanent): (3) dunes (shifting)	
Towns or Villages: inhabited: deserted: Fort	
Huts: permanent: temporary: Tower: Antiquities	
Temple: Chhatra: Church: Mosque: Jogh: 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: land: or: Mula: 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: Happed: Tourist site	
Power line: with pylons surveyed: with poles unsurveyed	

NOTES :-

Heights and Contours have not been shown.
A relative height, or 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.
Cultivation is periodic and dependent on rainfall.

COMPILATION INDEX

A. Surveyed during 1966-67. Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/2° West in 2005.
(Decreasing by about 1" annually)

500 m to 1 cm
1:50,000
2 cm to 1 km
Metres 1000 500 0 1 2 Kilometres

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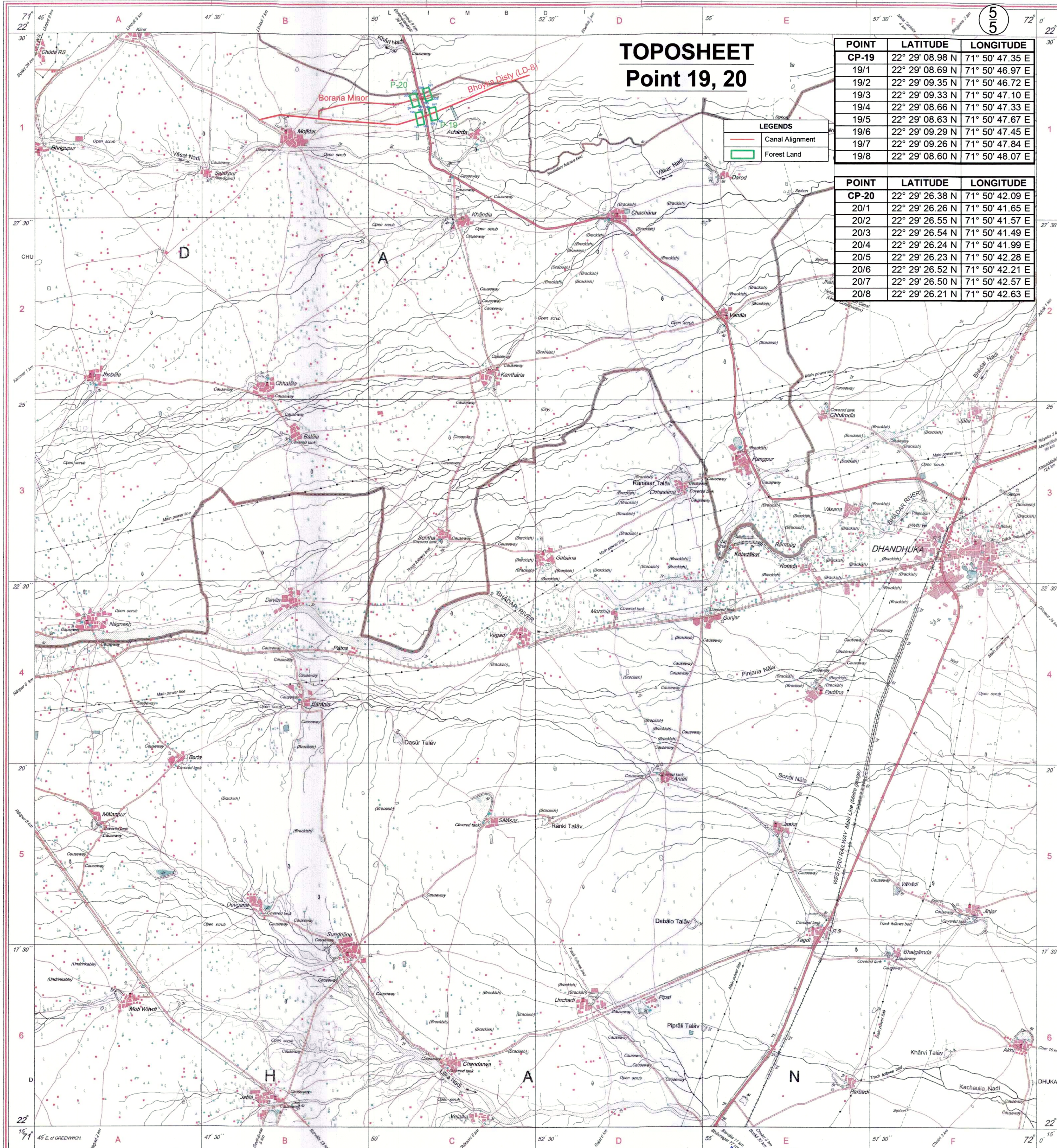
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TOPOSHEET Point 19, 20

LEGENDS	
	Canal Alignment
	Forest Land

POINT	LATITUDE	LONGITUDE
CP-19	22° 29' 08.98 N	71° 50' 47.35 E
19/1	22° 29' 08.69 N	71° 50' 46.97 E
19/2	22° 29' 09.35 N	71° 50' 46.72 E
19/3	22° 29' 09.33 N	71° 50' 47.10 E
19/4	22° 29' 08.66 N	71° 50' 47.33 E
19/5	22° 29' 08.63 N	71° 50' 47.67 E
19/6	22° 29' 09.29 N	71° 50' 47.45 E
19/7	22° 29' 09.26 N	71° 50' 47.84 E
19/8	22° 29' 08.60 N	71° 50' 48.07 E

POINT	LATITUDE	LONGITUDE
CP-20	22° 29' 26.38 N	71° 50' 42.09 E
20/1	22° 29' 26.26 N	71° 50' 41.65 E
20/2	22° 29' 26.55 N	71° 50' 41.57 E
20/3	22° 29' 26.54 N	71° 50' 41.49 E
20/4	22° 29' 26.24 N	71° 50' 41.99 E
20/5	22° 29' 26.23 N	71° 50' 42.28 E
20/6	22° 29' 26.52 N	71° 50' 42.21 E
20/7	22° 29' 26.50 N	71° 50' 42.57 E
20/8	22° 29' 26.21 N	71° 50' 42.63 E



REG. No. 9437-SFC D-11 (G.D. & D.G.C. 1:50,000-1508-15)

Executive Engineer,
Saurashtra Branch Canal Dn-4/2,
Limbdi

(A.V. Gajjar)

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