



No. F42E4
Scale 1:50,000

F42D15 (41E/15)	F42E3 (41I/3)	F42E7 (41I/7)
F42D16 (41E/16)	F42E4 (41I/4)	F42E8 (41I/8)
F42J13 (41F/13)	F42K1 (41J/1)	F42K5 (41J/5)

1 Rajkot, GUJARAT.

भारतीय सर्वेक्षण विभाग
1st Edition 2018. Price : ₹ 116/-

CONVENTIONAL SYMBOLS	
Express highway, with toll, with bridge, with distance stone	20
Roads, metalled, according to importance	10
Roads, double cartway, according to importance	5
Unmetalled road, Cart-track, Pack-track with pass, Foot-path	2
Streams, with track in bed, undefined, Canal	1
Dams: masonry or rock-filled, earthwork, Weir	0.5
River: dry with water channel, with island & rocks, Tidal river	0.2
Submerged rocks, Shoal, Swamp, Reeds	0.1
Wells: lined, unlined, Tube-well, Spring, Tanks: perennial, dry	0.05
Embankments: road or rail, tank, Broken ground	0.02
Railways, broad gauge, double, single with station, under constn.	0.01
Railways, other gauges: double, single with distance stone, do.	0.005
Mineral line or tramway, Kin, Cutting with tunnel	0.002
Contours with sub-features, Rocky slopes, Cliffs	0.001
Sand features: (1) flat, (2) sand-hills(permanent), (3) dunes(chifting)	0.0005
Towns or Villages: inhabited, deserted, Fort	0.0002
Huts: permanent, temporary, Tower, Antiquities	0.0001
Temple, Chhatri, Church, Mosque, Idgh, Tomb, Graves	0.00005
Lighthouse, Lightship, Buoys: lighted, unlighted, Anchorage	0.00002
Mine, Vine on trellis, Grass, Scrub	0.00001
Palms: palmyra, other, Plantain, Conifer, Bamboo, Other trees	0.000005
Areas: cultivated, wooded, Surveyed tree	0.000002
Boundary, international	0.000001
state: demarcated, undemarcated	0.0000005
district, subdivision, tahsil or taluk, forest	0.0000002
Boundary pillars: surveyed, unlocated	0.0000001
Heights, triangulated, station, point, approximate	0.00000005
Bench-mark: geodetic, tertiary, canal	0.00000002
Post office, Overhead tank	0.00000001
Rest house or inspection bungalow, Circuit house, Police station	0.000000005
Camping ground, Forest: reserved, protected	0.000000002
Spaced names: administrative, locality or tribal	0.000000001
Hospital, Dispensary, Veterinary Hospital / Dispensary	0.0000000005
Aerodrome, Helipad, Tourist site	0.0000000002
Power line: with pylons surveyed, with poles unsurveyed	0.0000000001

LEGEND:
S.Ch:0.00m E.Ch:18.00m Pipeline Chainage
Wild Life Sanctuary Area

REFERENCES
NH 64 National Highway No. 64. (PFCCO) Indian Foods & fertilizers Corporation.

NOTES :-
Heights and Contours have not been shown.
A relative height, Δ , represents the approximate height, between the top and bottom of a steep slope.
Tanks, shown dry in this area usually contain water from July to November.
Cultivation is periodic and dependent on rainfall.
Area in this sheet, other than that of Anjar, Bhachau and Gandhidham talukas, is not included any taluk, but is part of Kachchh District.

COMPILED INDEX
A. Surveyed during 1987-88. Updated for major details during 2003-04.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about $\frac{1}{4}$ West in 2005.
(Decreasing by about 1' annually).

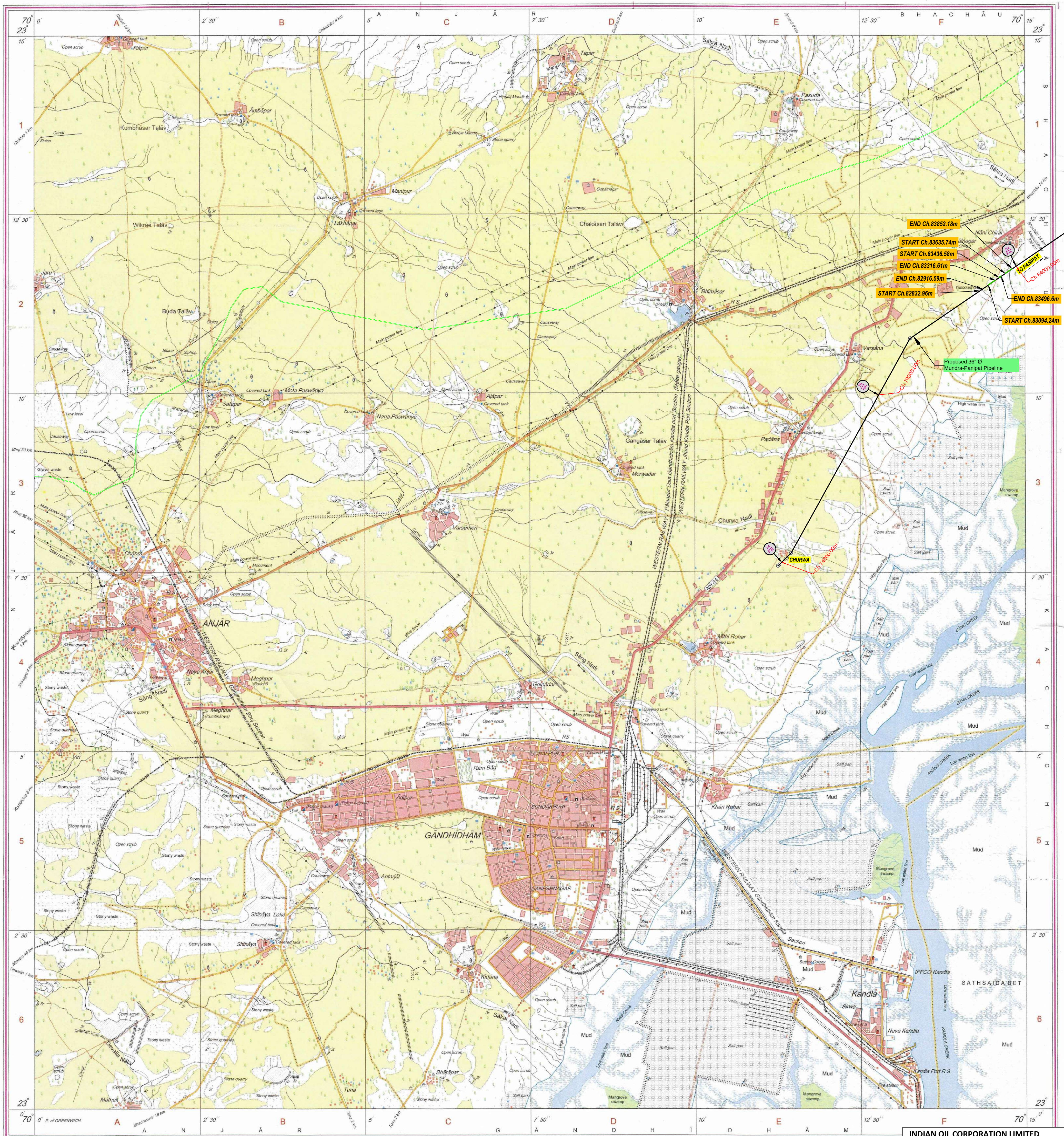
500 m to 1 cm 1:50,000 2 cm to 1 km
Metres 1000 500 0 1 2 3 Kilometres

For further details about this map, please contact
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Published under the direction of Lt Gen Grish Kumar, VSM Surveyor General of India,
Survey of India, Hattibarkala Estate, Post Box No.37, Dehra Dun-248001 (Uttarakhand),
Department of Science & Technology, Government of India.

INDIAN OIL CORPORATION LIMITED
AUTHORIZED SIGNATORY



No. F42E8
Scale 1:50,000

F42E3 (411/3)	F42E7 (411/7)	F42E11 (411/11)
F42E4 (411/4)	F42E8 (411/8)	F42E12 (411/12)
F42K1 (41J/1)	F42K5 (41J/5) Jāmnagar GUJARAT	F42K9 (41J/9)

भारतीय सर्वेक्षण विभाग
1st Edition 2011.
Price : Rs. 70/-

CONVENTIONAL SYMBOLS

Express highway, with toll, with bridge, with distance stone
Roads, metalled, according to importance
Roads, double cartage-way, 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, earthenwork, 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 constrm.
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: (1) flat, (2) sand-hill (permanent), (3) dunes (shifting)
Towns or Villages: inhabited, deserted, Fort
Huts: permanent, temporary, Tower, Antiquities
Temple, Chhatra, Church, Mosque, Igloo, Tomb, Graves
Lighthouse, Lightship, Buoys: lighted, unlighted, Anchorage
Mine, Vine on trellis, Grass, Scrub
Palms, palms; other, Plantain, Conifer, 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
Spaced names: administrative, locality or tribal
Hospital, Dispensary, Veterinary, Hospital / Dispensary
Aerodrome, Helipad, Tourist site
Power line: with pylons surveyed, with poles unsurveyed

LEGEND:
S.Ch:0.00m E.Ch:18.00m Pipeline Chainage
Wild Life Sanctuary Area

REFERENCE
NH 64 National Highway No. 64.

NOTES :-
Heights and Contours have not been shown.
A relative height, e.g., 5r, represents the approximate height, in metres, between the top and bottom of a steep slope.
Area in this sheet other than that of Bhachhu taluk, falling in squares A 1, B 1, C 1 is not included in any taluk but is a part of Kachchh District.
Cultivation is periodic and dependent on rainfall.
Tanks, shown dry, in this area, usually contain water from July to November.

COMPILATION INDEX
A. Surveyed during 1993-94. Updated for major details during 2003-04.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1/2° West in 2005.
(Decreasing by about 1° annually).

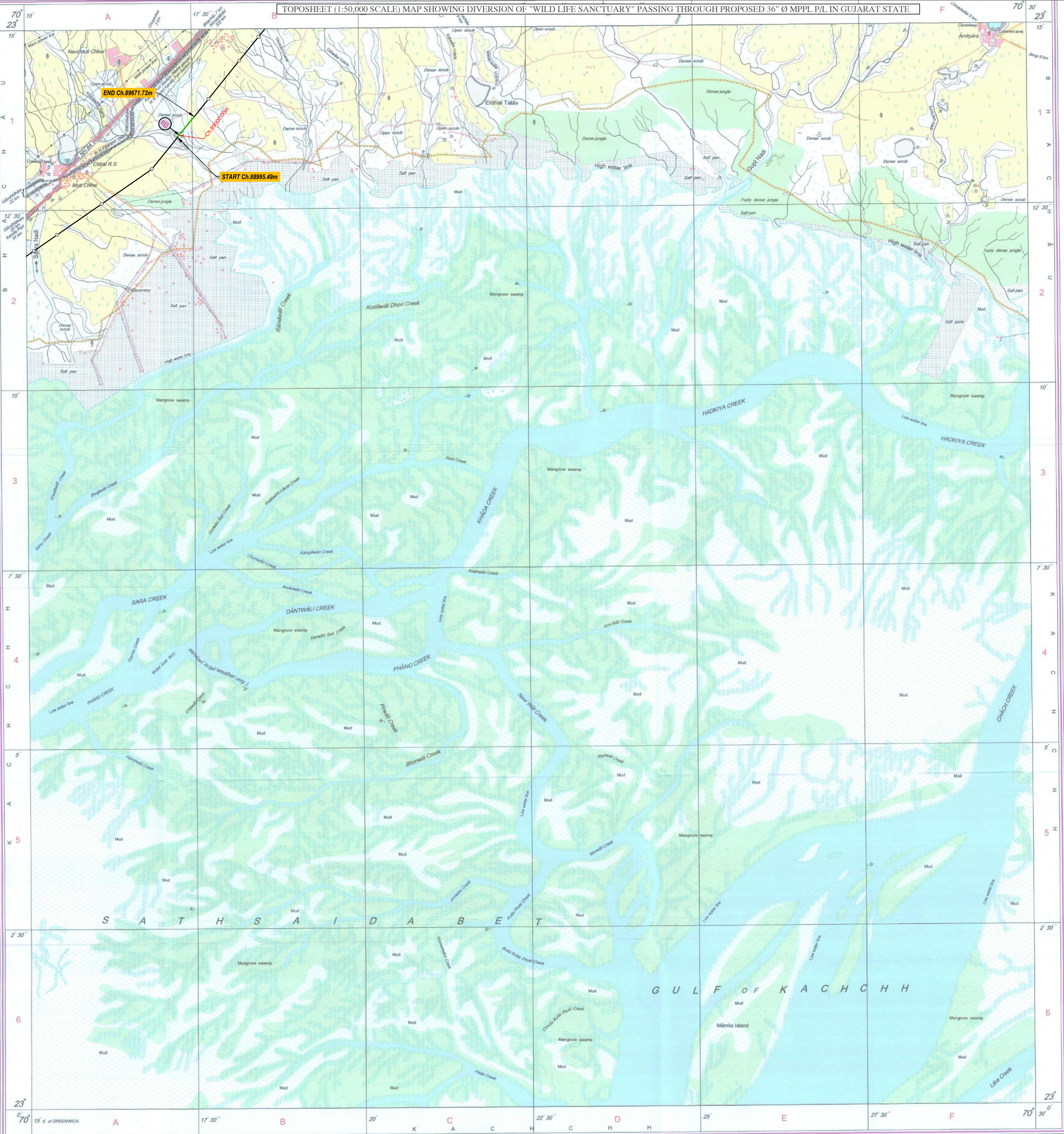
500 m to 1 cm
1:50,000
2 cm to 1 km
Metres 1000 500 0 1 2 3 Kilometres

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भारतीय सर्वेक्षण विभाग / Survey of India

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Published under the direction of Swarna Subba Rao, B.E., Surveyor General of India,
Survey of India, Hattibarkala Estate, Post Box No.37, Dehra Dun-248001 (Uttarakhand)
Department of Science & Technology, Government of India.

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OPEN SERIES
MAP

No. F42E7

Scale 1:50,000

F42E2 (41/12)	F42E6 (41/6)	F42E10 (41/10)
F42E3 (41/3)	Kachchh GUJARAT F42E7 (41/7)	F42E11 (41/11)
F42E4 (41/4)	F42E8 (41/8)	F42E12 (41/12)

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010

Price: Rs. 119/-

CONVENTIONAL SYMBOLS

Express Highway; with toll; with bridge; with distance stone . . .			RSB
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; earthenwork. 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 . . .			RS
Mine: iron or tramway. Kola. Cutting with tunnel . . .			
Contours with sub-features. Rocky slopes. Cliffs . . .			
Sand features: (1) flat. (2) sand-hill (permanent). (3) dunes (shifting) . . .			
Towns or Villages; inhabited; deserted. Fort . . .			
Huts; permanent; temporary. Tower. Antiquities . . .			
Temple. Chhatrai. Church. Mosque. Idgah. Tomb. Graves . . .			
Lighthouse. Lightship. Buoys; lighted; unlighted. Anchorage . . .			
Mine. Vine on trellis. Grass. Scrub . . .			
Palm; palms; other. Plantain. Conifer. Bamboo. Other trees . . .			
Areas: cultivated; wooded. Surveyed tree . . .			
Boundary, international . . .			
state; democratic; undemocratic . . .			
district; subdivision; tahsil or taluk; forest . . .			
Boundary pillars: surveyed; unlocated . . .			
Heights, triangulated; station; point; approximate . . .			A200 .200 .200
Bench-mark; geodetic; tertiary; canal . . .			BM 63-3 BM 63-3 BM 63-3
Post office. Overhead tank. Circuit house. Police station . . .			
Rest house or Inspection bungalow. Circuit house. Police station . . .			
Camping ground. Forest: reserved; protected . . .			RF PF
Spaced names: administrative; locality or tribal . . .			KIKRI NAGA
Hospital. Dispensary. Veterinary; Hospital / Dispensary . . .			
Aerodrome. Helipad. Tourist site . . .			
Power line; with poles supported; with poles unsuported . . .			

LEGEND

S.Ch:0.00m E.Ch:18.00m	Pipeline Chainage
	Wild Life Sanctuary Area

REFERENCE

NH 84 National Highway No. 84

NOTES :

Heights and Contours have not been shown.
A relative height, e.g., .8r, 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.
The area falling in this sheet other than that of Bhachāu and Rāpar tālūks is not included in any tālūk but is a part of Kachchh District.

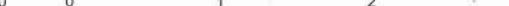
COMPILATION INDEX

A. Surveyed during 1992-93. Updated for major details during 2006-07.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{1}{4}^{\circ}$ West in 2005.

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

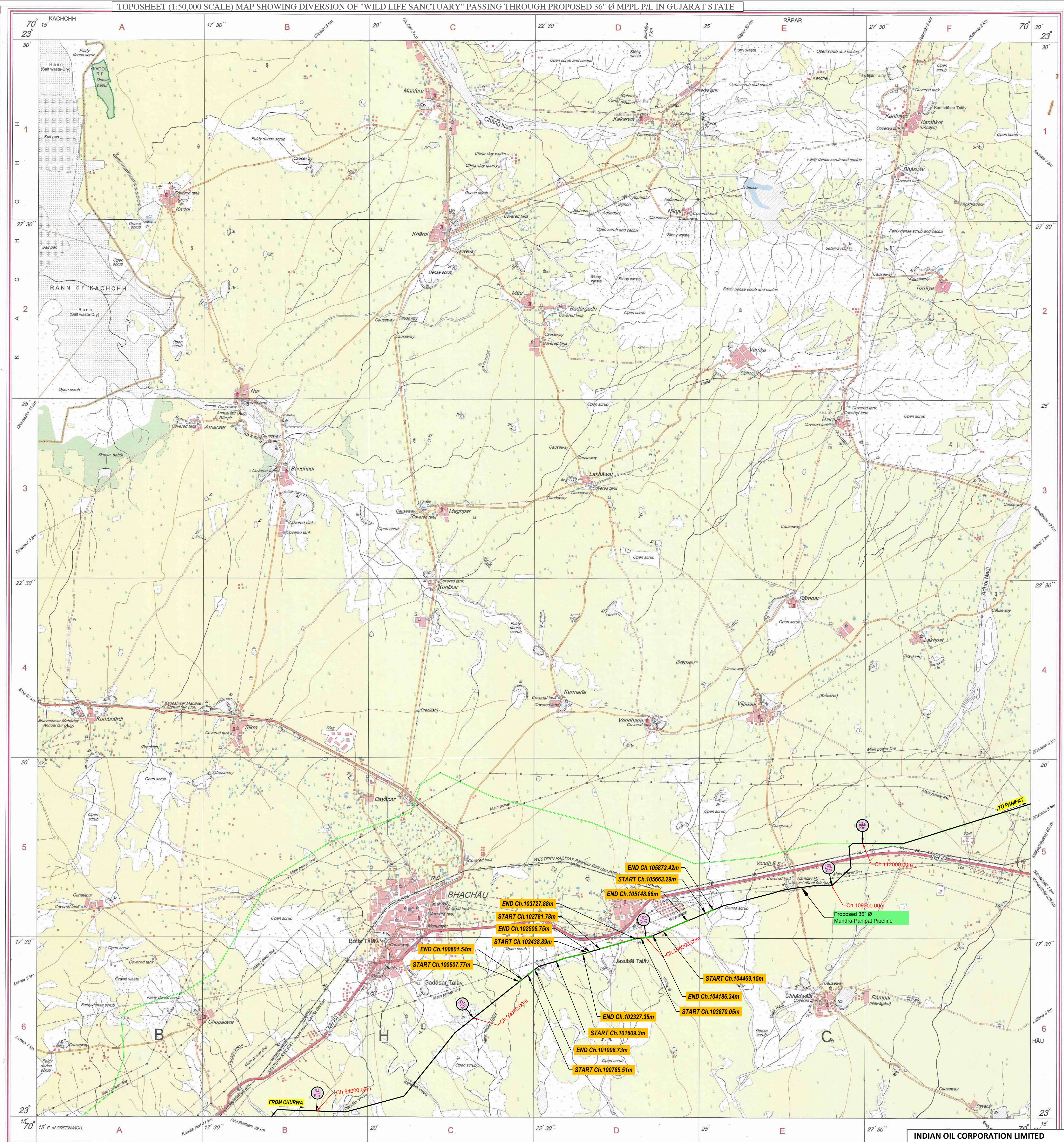


0 500 1 2 3 Kilometre

For further details about this map, please contact
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REG. No. 9499-SPG D '10 (GD & DGDC-1:50,000)-1508 '1

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Published under the direction of Rajendra Mani Tripathi, M.Sc. (Physics), P.G. Diploma (Carto) (ITC, The Netherlands) Surveyor General of India
Survey of India, Hathiabarkala Estate, Post Box No. 37, Dehra Dūn - 248001 (Uttarākhānd),
Department of Science & Technology, Government of India.

INDIAN OIL CORPORATION LIMITED

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निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F42E14

Scale 1:50,000

F42E9 (41I/9)	F42E13 (41I/13)	F42F1 (41M/1) Pātan GUJARĀT
F42E10 (41I/10)	Kachchh GUJARĀT F42E14 (41I/14)	F42F2 (41M/2)
F42E11 (41I/11)	F42E15 (41I/15)	F42F3 (41M/3)

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2011.

Price: Rs.118/—

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. Pack-track with pass. Foot-path  

Streams: with track in bed; undefined. Canal  

Dams: masonry or rock-filled, island. Weir  

River: dry with water channel; with water; 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 constrn  

Railways, other gauges: double; single with distance stone, do  

Mine: line of tramway, kiln. Cutting with tunnel  

Contours with spot-heights. Rocky slopes. Cliffs  

Salt features (1st. 2 (sand-lifts (permanent) 3 (dunes (shifting)  

Towns or Villages: inhabited; deserted. Fort  

Huts: permanent; temporary. Tower. Antiquities  

Kempe. Ghats: Church. Mosque. Idgah. Tomb. Graves  

Lighthouse. Lightship. Buys: lighted; unlighted. Anchorage  

Mine. Vine on trellis. Grass. Scrub  

Palms; palmrya; other. Plantain. Conifer. Bamboo. Other trees  

Areas: cultivated; wooded. Surveyed forest  

Boundary, international  

..... state; demarcated; undemarcated  

..... district subdivision; tahsil or taluk; forest  

Boundary pillars: surveyed; unlocated  

Heights, triangulated; station; point; approximate  

Benchmark 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  

LEGEND:

S.Ch:0.00m E.Ch:18.00m	Pipeline Chainage
	Wild Life Sanctuary A

REFERENCES

NH 15 National Highway No. 15 SW Stony waste

NOTES :-

Heights and Contours have not been shown.

A relative height, e.g., $8r$, represents the approximate height, in metres, between the top and bottom of a steep slope.

Cart-tracks in this sheet are generally motorable (four wheel drive) in dry season.

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

Cultivation is periodic and dependent on rainfall.

The area falling in this sheet, other than that of Rápar Táluk is not included in any táluk, but is a part of Kachchh District.

COMPILATION INDEX

A. Surveyed during 1960-61. Revision surveyed during 1992-93 and 98-99. Updated for major detail during 2006-07.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° in 2005

1:50,000

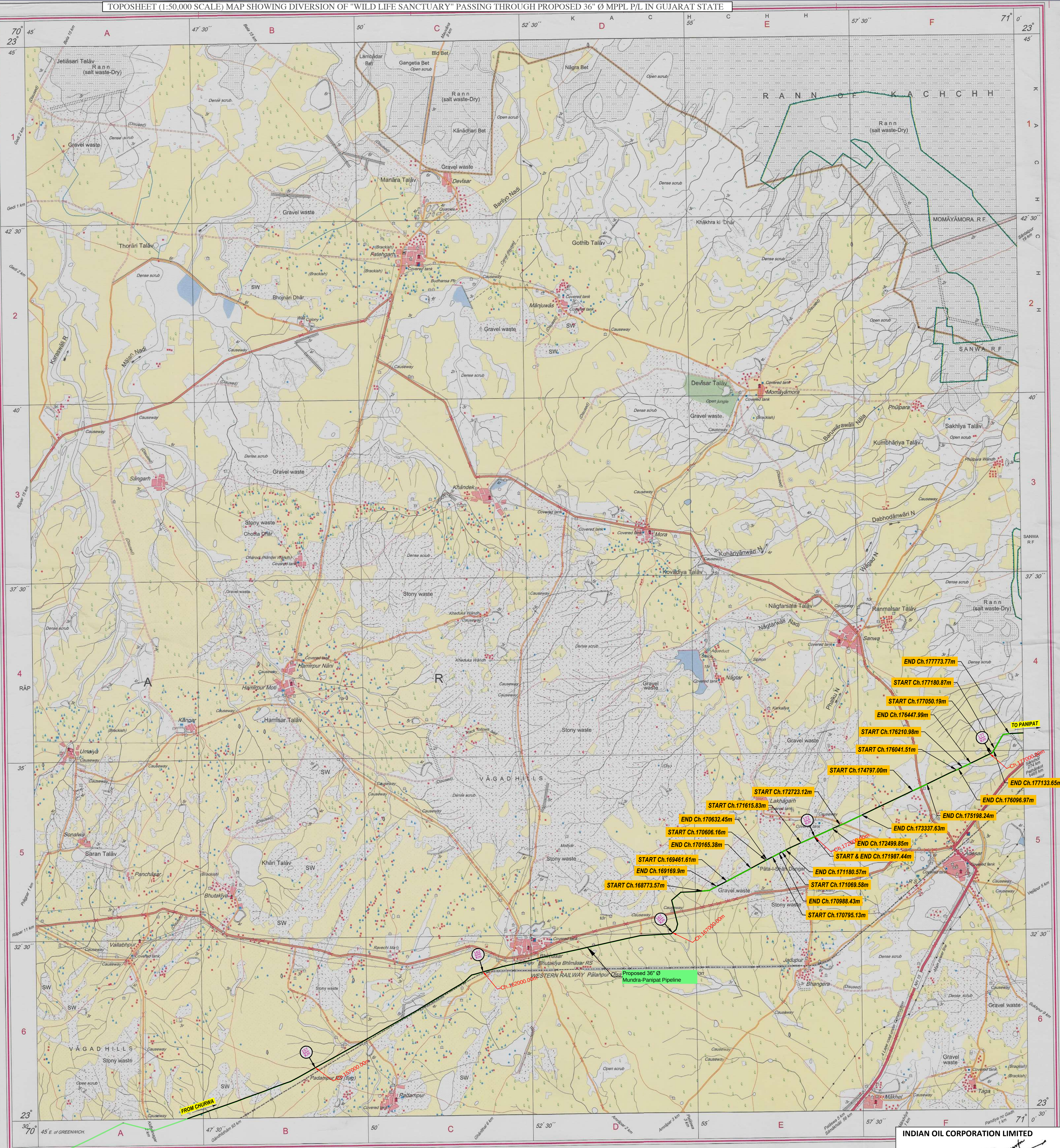
500 0 1 2 3 Kilometre

For further details about this map, please contact

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Survey of India, Sector-10 (A)
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AUTHORIZED SIGNATORY

No. F42F2

Scale 1:50,000

F42E13 (41/13)	F42F1 (41M/1)	F42F5 (41M/5) Pālan GUJARĀT
F42E14 (41/14)	F42F2 (41M/2) Kachchh GUJARĀT	F42F6 (41M/6)
F42E15 (41/15)	F42F3 (41M/3)	F42F7 (41M/7)

1 Surendranagar, GUJARĀT.
2 Banās Kāntha, GUJARĀT.

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, Kln, Cutting with tunnel
Contours with sub-features: Rocky slopes, Cliffs
Sand features: (1)flat, (2)band-hills(permanent), (3)dunes(shifting)
Towns or Villages: inhabited, deserted, Fort
Huts: permanent, temporary, Tower, Antiquities
Temple, Chhatra, Church, Mosque, Āgāh, 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; tahsil 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
Spaced names: administrative; locality or tribal
Hospital, Dispensary, Veterinary; Hospital / Dispensary
Aerodrome, Helipad, Tourist site
Power line: with pylons surveyed; with poles unsurveyed

LEGEND:
S.Ch:0.00m E.Ch:18.00m Pipeline Chainage
Wild Life Sanctuary Area

REFERENCE
NH 15 National Highway No. 15.

NOTES :-
Heights and Contours have not been shown.
A relative height, e.g., & 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 January.
Area in this sheet other than of Rāpar tāluk is not included in any tāluk, but is a part of Kachchh District.

COMPIATION INDEX
A Surveyed during 1985-86, Updated for major details during 2000-01 and 2006-07.

Projection - UTM Datum - WGS 84
Magnetic Variation from True North about 1/4 West in 2005.
(Decreasing by about 1' annually).

1:50,000
500 m to 1 cm 2 cm to 1 km
Metres 1000 500 0 1 2 3 Kilometres

For further details about this map, please contact
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