



निर्वात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F42D11

Scale 1:50,000

F42D6 (41E/6)	F42D10 (41E/10)	F42D14 (41E/14)
F42D7 (41E/7)	Kachchh GUJARAT F42D11 (41E/11)	F42D15 (41E/15)
F42D8 (41E/8)	F42D12 (41E/12)	F42D16 (41E/16)

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010.

Price : Rs. 208/-

CONVENTIONAL SYMBOLS

Express highway with toll, with bridge, with distance stone	
Roads, metalled, according to importance	
Unmetalled road, Cart-track, Foot-track with pass, Foot-path	
Stream with track in bed, undrained 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, Tank, perennial, dry	
Embankments, road or rail, tank, Broken ground	
Railways, broad gauge, double, single with station, under construction	
Roadways, other gauges, double, single with distance stone, do.	
Mineral line or tramway, Kib, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features (1/10 ft. (30mm) permanent), (2/10 ft. (30mm) shifting)	
Towns or Villages, inhabited, deserted, Fort	
Huts, permanent, temporary, Tower, Antiquities	
Temples, Ghats, Church, Mosque, High, Tomb, Shrine	
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage	
Mine, View on hills, Grass, Scrub	
Palms, palms, other, Plantain, Canebr, Bamboo, Other trees	
Areas, cultivated, wooded, Surveyed tree	
Boundary, international	
state, demarcated, undemarcated	
district, sub-division, taluk or Taluk, forest	
Boundary pillars, surveyed, unbordered	
Heights, triangulated, station, point, approximate	
Benchmark, geodetic, tertiary, canal	
Post office, Telegraph 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	
Airport, Helipad, Tourist site	
Power line, with pylons surveyed, with poles unsurveyed	

NOTES

Heights and Contours have not been shown.
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 November.
Cultivation is periodic and dependent on rainfall.

COMPILATION INDEX

A. Surveyed during 1980-85. Updated for major details during 1990-94 & 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 0° in 2005.

(Increasing by about 1° East annually).

Scale 1:50,000

For further details about this map, please contact

Director

Gujarat, Daman & Diu Geo-Spatial Data Centre

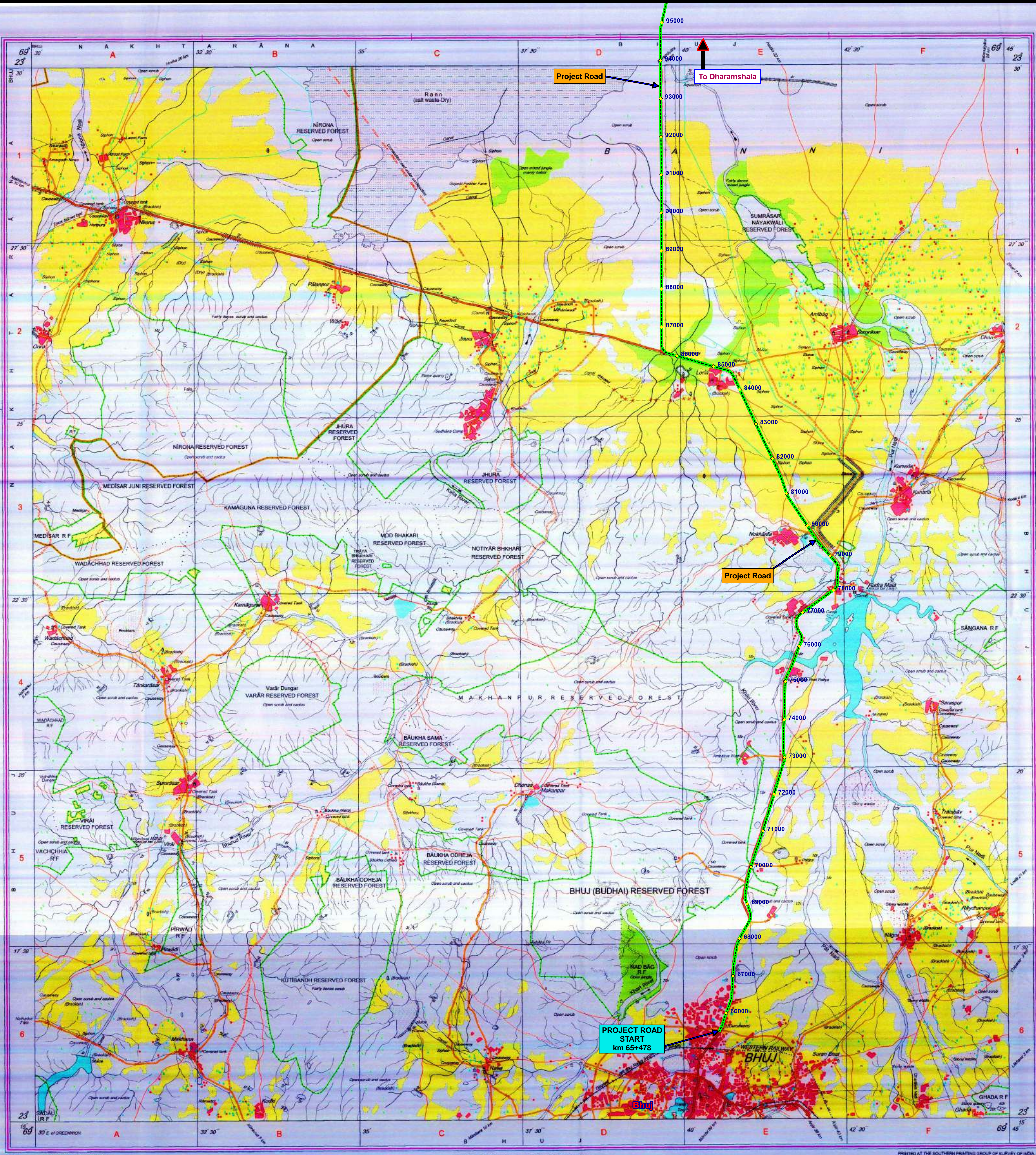
Survey of India, Sector-10(A)

Gandhinagar.

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Map Showing Proposed Alignment of 2/4 laning of Bhuj - Khavda - Dharmshala Section NH-341 from km 65+475 to km 162+185 (Package II) on Survey of India Toposheet (1:50000 Scale) in the State of Gujarat

CLIENT
Indian Academy of Highway Engineers
Ministry of Road Transport and Highways, Government of India



CONSULTANT
Intercontinental Consultants & Technocrats Pvt. Ltd.
A-8, Green Park, New Delhi-110016



Prepared By: Kiran Kumar
Checked By: T Banerjee

Scale
1:50,000



No. F42D10

Scale 1:50,000

F42D5 (41E/5)	F42D9 (41E/9)	F42D13 (41E/13)
F42D6 (41E/6)	F42D10 (41E/10) Kachchh GUJARAT	F42D14 (41E/14)
F42D7 (41E/7)	F42D11 (41E/11)	F42D15 (41E/15)

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010.

Price: Rs. 100/-

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 distance stone, do	
Railways, other gauges, double, single with distance stone, do	
Mineral line or tramway, Km, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features (1 flat, 2 sand-hills, permanent), (3) dunes (shifting)	
Towns or Villages (2 inhabited, 3 deserted, 4 Fort, 5	
Huts, permanent, temporary, Tower, Antiquities	
Temple, Chattri, Church, Mosque, Idgah, Tomb, Graves	
Lighthouse, Lightship, Buoys, 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, 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	

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

COMPILATION INDEX

A. Surveyed during 1985-86. Updated for major details during 2004-05.



Projection - UTM Datum - WGS 84

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

1:50,000

Metres 1000 500 0 1 2 3 Kilometres

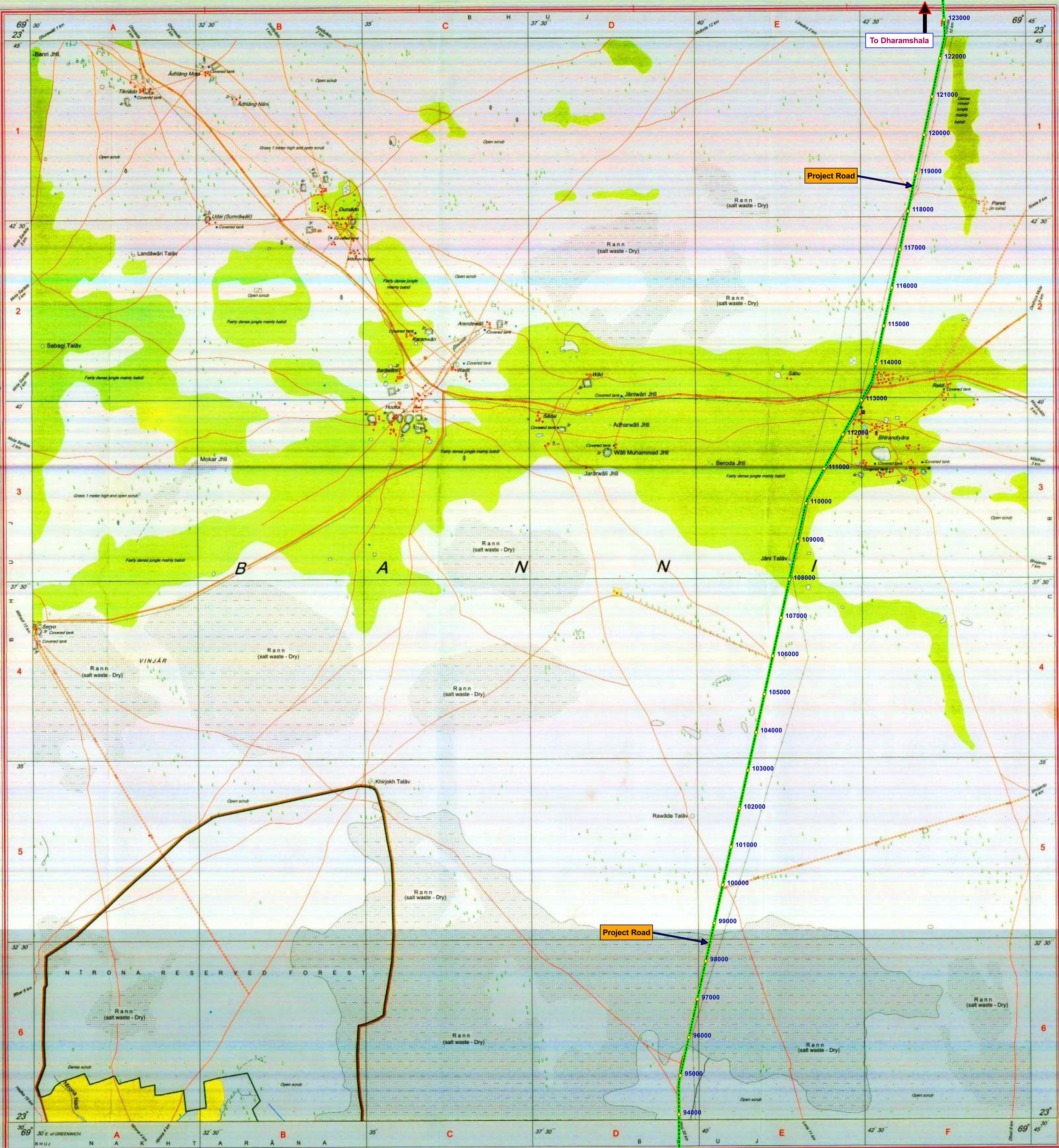
For further details about this map, please contact

Director
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Survey of India, Sector-10(A)
Gandhinagar.

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Indian Academy of Highway Engineers
Ministry of Road Transport and Highways, Government of India



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A-8, Green Park, New Delhi-110016



Prepared By: Kiran Kumar

Checked By: T Banerjee

Scale
1:50,000

No. F42D9

Scale 1:50,000

G42V8 (40H/8)	G42V12 (40H/12)	Sind PAKISTAN G42V16 (40H/16)
F42D5 (41E/5)	F42D9 (41E/9) Kutch GUJARAT	F42D13 (41E/13)
F42D6 (41E/6)	F42D10 (41E/10)	F42D14 (41E/14)

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010.

Price : Rs. 28/-

CONVENTIONAL SYMBOLS

Express highway, with toll with bridge, with distance stone	...
Roads, installed according to importance	...
Roads, double cartage, according to importance	...
Unimproved road, Cart track, Pack track with poles, Footpath	...
Stream, with track in bed, undrained, Canal	...
Ditch, masonry or rock-lined, earthen, weir	...
River, dry with water channel, with island & rocks, Tidal river	...
Submerged rocks, Shoal, Swamp, Reeds	...
Well, lined, unlined, Tube-well, Spring, Tanks, perennial, dry	...
Embankments, road or rail, bank, broken ground	...
Highways, broad gauge, double, single with station, under construction	...
Highways, other gauges, double, single with distance stone, do	...
Mineral line or tramway, K.M. Cutting with tunnel	...
Contours with spot heights, Rocky slopes, C.M.R.	...
Sand features (T.M., (2) sand-hill (permanent), (3) dunes (shifting)	...
Towns or Villages, inhabited, deserted, Fort	...
Huts, permanent, temporary, Tower, Antiquities	...
Temples, Chhatri, Church, Mosque, Dargah, Tomb, Graves	...
Lighthouses, Lightships, Buoys, lighted, unlighted, Anchorage	...
Mine, View on hills, Grass, Scrub	...
Palms, palm trees, other, Plantain, Coconut, Bamboo, Other trees	...
Arabs, cultivated, wooded, Surveyed trees	...
Boundary, international	...
state demarcated, undemarcated	...
district, subdivision, taluk or taluk forest	...
Boundary pillars, surveyed, unlocated	...
Height, triangulated station, point, approximate	...
BM 63-3, BM 63-3, BM 63-3	...
Post office, Telegraph office, Overhead tank	...
Rest house or Inspector bungalow, Court 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	...

NOTES :-

Heights and Contours have not been shown.
Area falling in this sheet, other than that of Bhuj Taluk is not included in any 18A but is part of Kutch District.
Tanks, shown dry, in this area usually contain water from July to January.
Cultivation is periodic and dependent on rainfall.

COMPILATION INDEX

A Surveyed during 1985-86, Updated for major details during 2004-05



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 2 Kilometres

For further details about this map please contact

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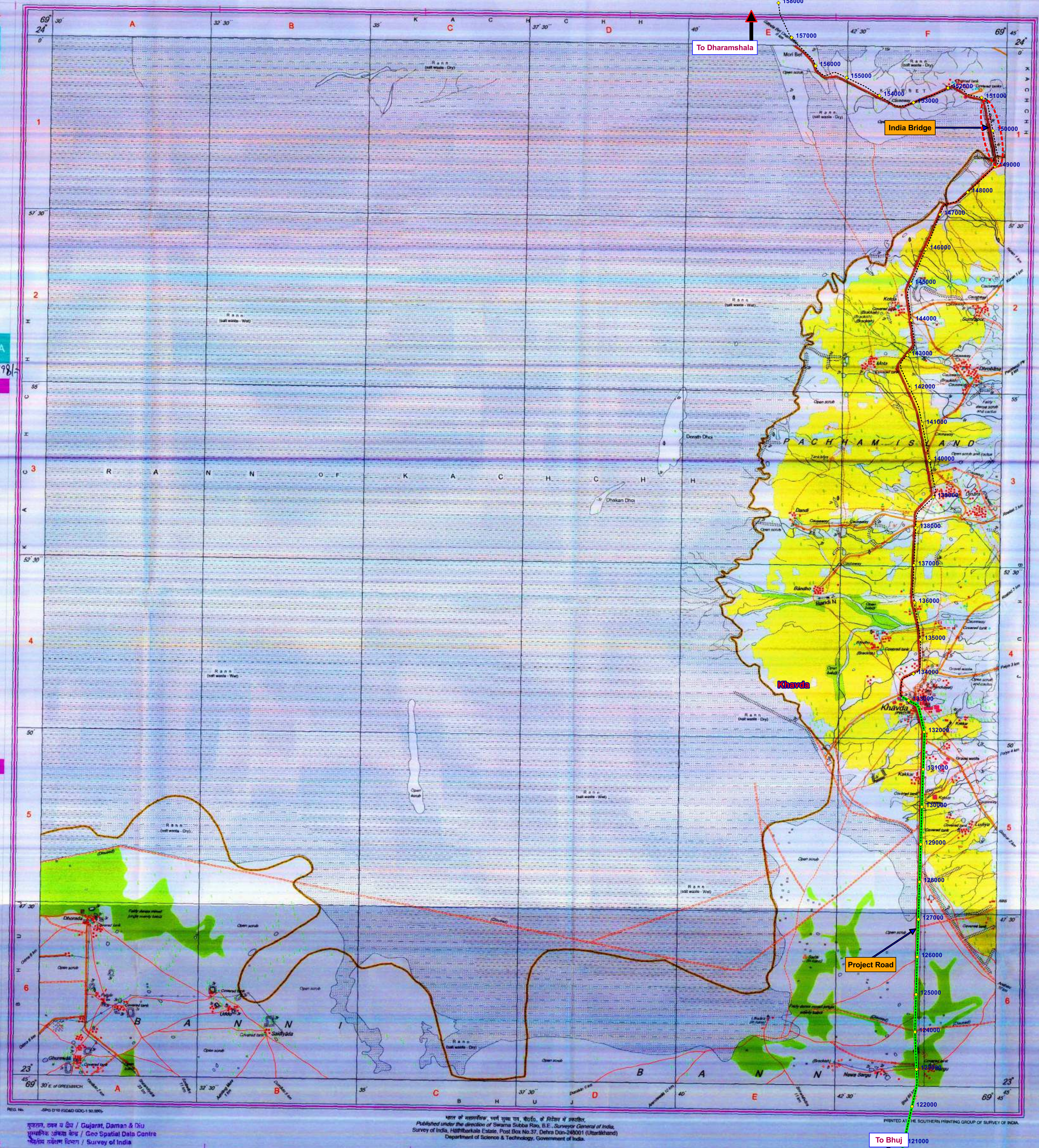
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A-8, Green Park, New Delhi-110016



Prepared By: Kiran Kumar

Checked By: T Banerjee

Scale
1:50,000



No. G42V12
Scale 1:50,000

G42V7 (40H/7)	Sind PAKISTAN G42V11 (40H/11)	G42V15 (40H/15)
G42V8 (40H/8)	G42V12 (40H/12) Kutch GUJARAT	G42V16 (40H/16)
F42D5 (41E/5)	F42D9 (41E/9)	F42D13 (41E/13)

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1st Edition 2011.

Price : Rs. 298/-

67x46 cm (67x46)

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 back in bed, unbridged, 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, Tank, perennial dry	
Embankments, road or rail, bank, Broken ground	
Railways, broad gauge, double, single with station, under construction	
Railways, other gauges, double, single with station, under construction	
Mineral line or tramway, Kib, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features (Vibet, (Shand-Hill) (Shand-Hill))	
Towns or Villages, inhabited, deserted, Fort	
Huts, permanent, temporary, Tent, Antiquities	
Temples, Chhatra, Church, Mosque, Ghat, Tomb, Graves	
Lighthouse, Lightship, Buoy, Lighted, unlighted, Anchorage	
Mine, Veta on valley, Grass, Scrub	
Palms, palmeyrs, other Plantain, Conifer, Bamboo, Other trees	
Areas, cultivated, wooded, Surveyed tree	
Boundary, International	
State, demarcated, undemarcated	
District, sub-division, taluk or thikar, forest	
Boundary pillars, surveyed, uncoloured	
Height, 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	

NOTES :-

Heights and Contours have not been shown.
Position of International boundary pillars have not been shown in this sheet.
Areas of Kutch District, in this sheet, is not included in any block.

COMPILATION INDEX

A Revision Survey during 1959-60.
B Compiled from various sources.

Projection - UTM Datum - WGS 84

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

1:50,000

500 m to 1 cm 2 cm to 1 km

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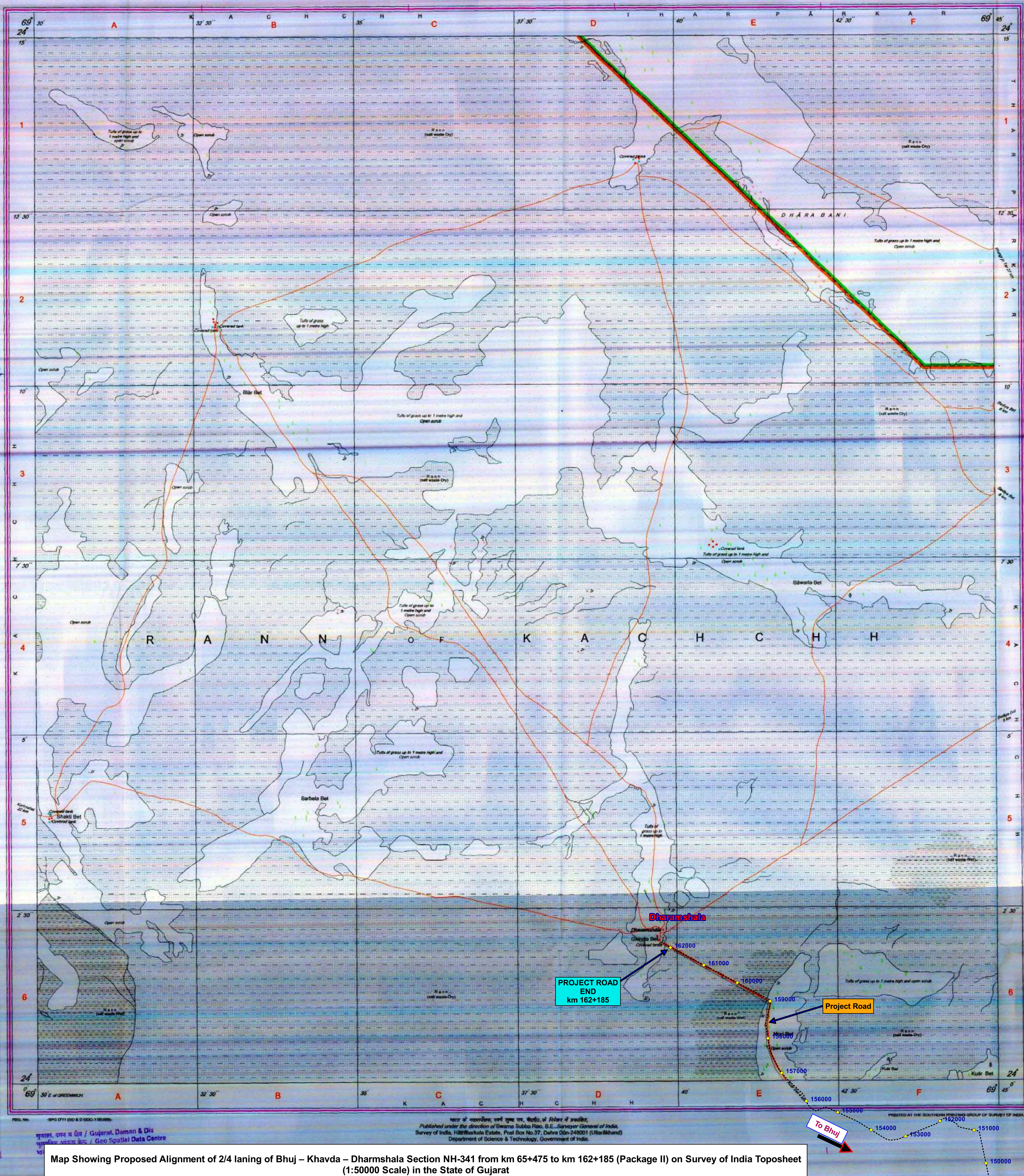
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