

F43U18 (46P16)	F43V4 (46P14)	F43V8 (46P18)
E43C13 (47V13)	E43D1 (47M1) Aurangabad MAHARASHTRA	E43D5 (47M5)
E43C14 (47V14)	E43D2 (47M2)	E43D6 (47M6)

1 Ahmadnagar
MAHARASHTRA
2 Nashik, MAHARASHTRA.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2012.

Price : ₹ 77/-

CONVENTIONAL SYMBOLS

Express highway, with toll, with bridge, with distance stone	
Road, metalled, according to importance	
Road, double cartage-way, according to importance	
Unmetalled road, Cart-track, Pack-track with cross, Foot-path	
Sewer, with track in bed, unadorned, Canal	
Dam, masonry or rock-filled, earthwork, Weir	
Superimposed route, Canal, Swamp, Floods	
Water, tank, without, Tank, well, Spring, Tanka, perennial, dry	
Embankment, road or rail, bank, water ground	
Railways, broad gauge, double, single, with station, other gauges	
Railways, other gauges, double, single, with station, other gauges	
Miscellaneous line or tramway, Kila, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features, (Wind-blown, dunes, permanent), (Shifting, dunes)	
Towns or Villages, inhabited, deserted, Fort	
Temples, Churches, Mosques, Temples, Towers, Ancestral	
Lightnings, Lightnings, Beacon, Lighted, unlighted, Anchorage	
Mines, Mine on trails, Mines, Quarries, Sand-pits	
Palms, palm-trees, other, Plantations, Coffee, Rubber, Other trees	
Areas, cultivated, wooded, Surveyed tree	
Boundary, International	
State, demarcated, undemarcated	
District, sub-division, taluk or tehsil, forest	
Boundary pillars, surveyed, unlocated	
Height, triangulated station, public, approximate	
Barometrical, geodetic, levelling, BM 63-3, BM 63-2	
Post office, Telegraph office, Overland tank	
Rail house or inspection bungalow, Cross House, Police Station	
Camping ground, Forest, reserved, protected, reserved	
Spaced names, administrative, locality or trail	
Hospital, Dispensary, Veterinary hospital, dispensary	
Aerodrome, Heliport, Tourist site	
Power line, with pylons surveyed, with poles unsurveyed	

Route of Proposed Pipeline
Samruddhi Highway ROW

REFERENCE

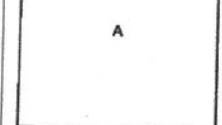
NS 211 National Highway No. 211.

NOTES:-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A station height 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 spot-heights and may not be exactly in accordance with them.
Tanks, shown dry, in this area usually contain water from July to January.
Unmetalled roads are generally metalled in dry season.
Practice of pylons between surveying points of power line has not been surveyed.

COMPILED INDEX

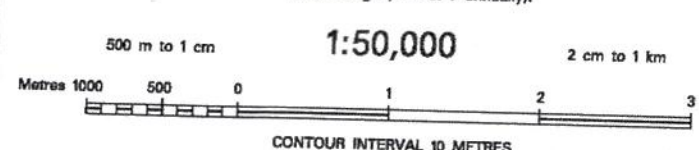
A. Compiled from 1:25,000 survey, 1989-90. Updated for major details during 2005-2006.



Projection - UTM Datum - WGS 84

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

(Increasing by about 1° annually).



CONTOUR INTERVAL 10 METRES

For further details about this map, please contact

Director

Maharashtra & Goa Geo-Spatial Data Centre

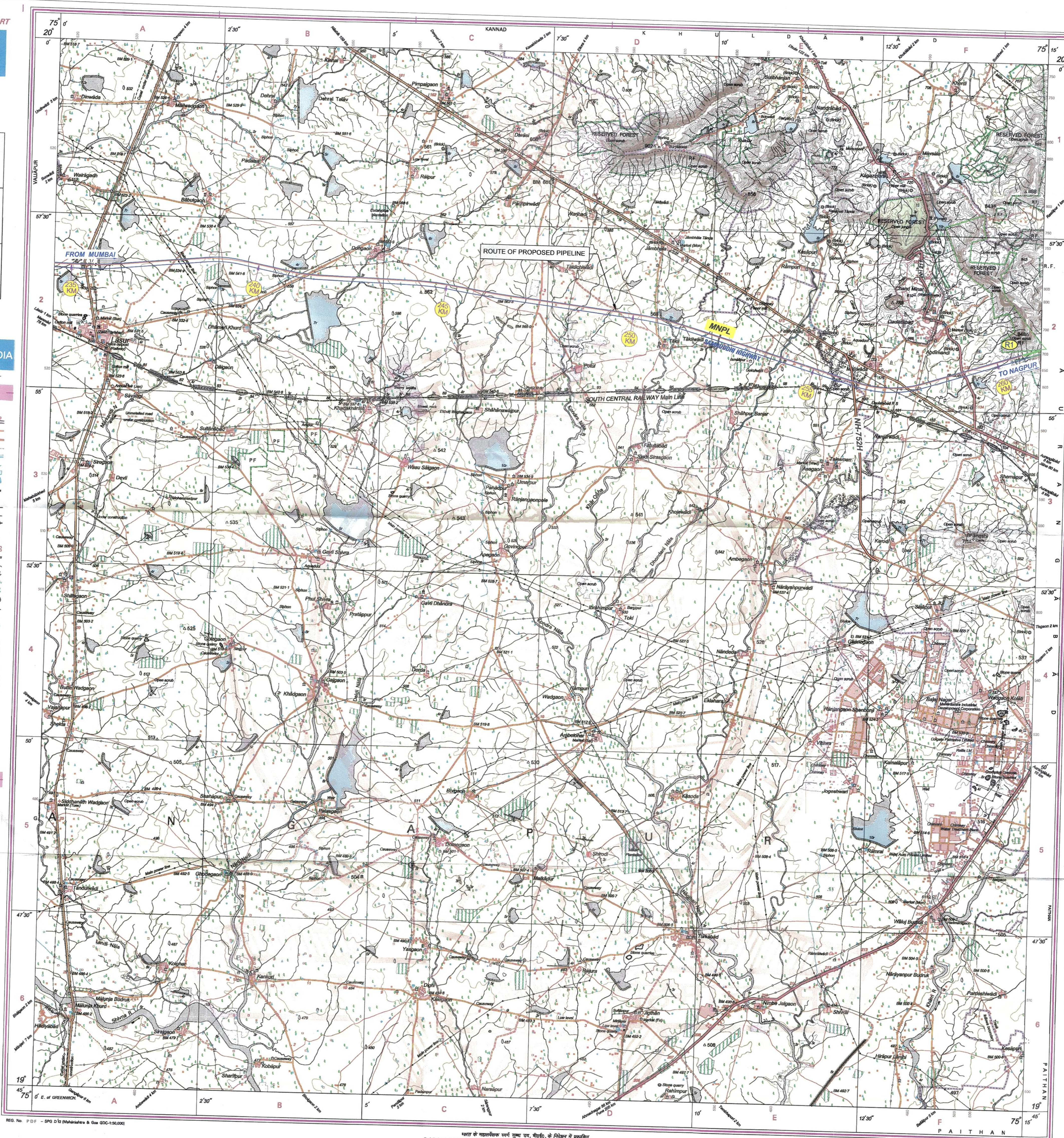
Survey of India, Phule Nagar, Andani Road

Pune.

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

GOVERNMENT OF INDIA COPYRIGHT, 2012.



GAIL (INDIA) LIMITED
Project - Mumbai - Nagpur Pipeline Project
Rediversion Proposal in Aurangabad Forest Division, Aurangabad District

List of Forest Land					
Ref. No.	Forest Land Description	Length in Forest (m)	Width (m)	Area in (Sqm)	Village
R1	Forest Land in Plot No. 17	407.10	3.00	1221.30	0.1221

Patch	Code	Easting	Northing	Longitude	Latitude
R1	1	525731.666	2203808.770	75°14'45.59" E	19°55'47.99" N
	2	525726.324	2203810.239	75°14'45.59" E	19°55'51.60" N
	3	526116.694	2203932.658	75°15'00.00" E	19°55'55.19" N
	4	526118.188	2203929.982	75°15'00.00" E	19°55'55.19" N

GAIL (India) LIMITED.
(A Govt. of India Undertaking)
JUBILEE TOWER, 8 & 9 DEPARTMENT 8TH FLOOR,
B-35, 36 SECTOR-1, NOIDA 201301, G.B. NAGAR (U.P.) India

PROJECT: MUMBAI NAGPUR SECTION OF MNPL PROJECT
SECTION: MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)
SECTION: Details of Reserved Forest to be Diverted District Aurangabad

SOI MAP
THEODESH CONSULTANTS
82-83, 3rd Floor, Suryakiran Complex, Old Padra Road Vadodra - 390 015
Phone: (0265) 2339115 / 2339492 Tele Fax No: (0265) 2339492
Email: theodesh@soi.in, theodesh@gmail.com

Scale	Job No.	Drawing / Document No.	Sheet	Rev.
1:50,000	TDC/GAIL/19-20	TDC-GAIL-MNPL-20-P19-RF-AURANGABAD-RM-01	01-03	0B

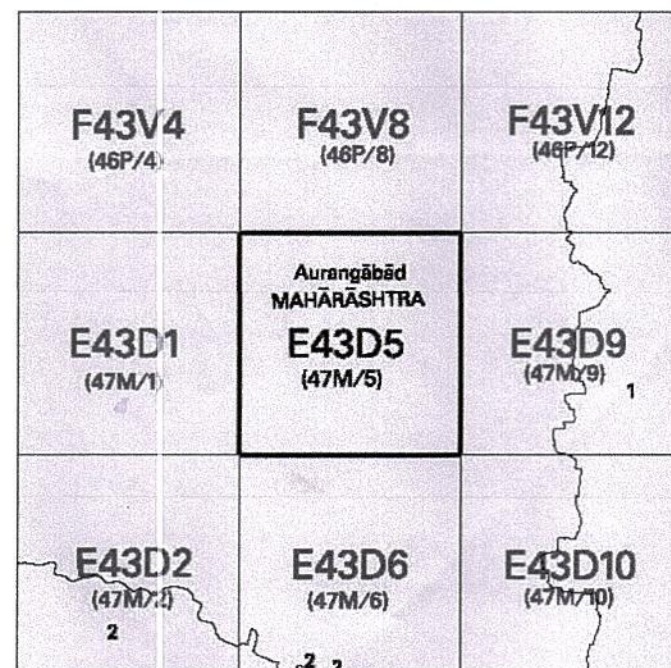
यह नक्शा भारत सरकार द्वारा तैयार किया गया है, और इसे सर्वेक्षण विभाग द्वारा तैयार किया गया है।
Published under the direction of Survey of India, B.E. Surveyor General of India,
Survey of India, Hattibarkata Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand),
Department of Science & Technology, Government of India.



OPEN SERIES
MAP

No. E43D5

Scale 1:50,000



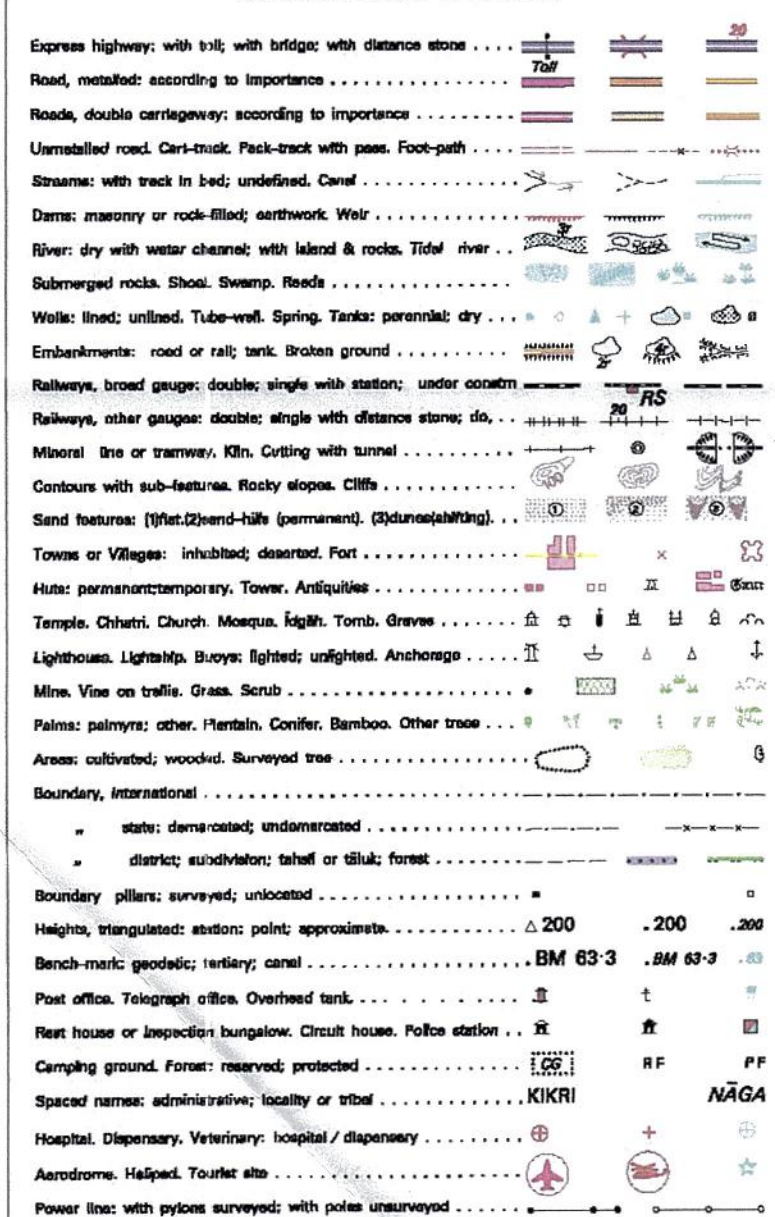
1 Jilna, MAHARASHTRA
2 Ahmadnagar, MAHARASHTRA

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2011

Price : ₹ 77/-

CONVENTIONAL SYMBOLS



Route of Proposed Pipeline
Samruddhi Highway ROW

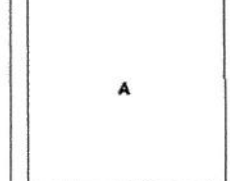
REFERENCE

NV 201 National Highway No. 201

NOTES :-
Contours are approximate.
A relative height, 3, represents the approximate height, in metres, between the top and bottom of a steep slope.
Important buildings are shown in black with names.
Unsettled areas are indicated by dry season.
Tides in this area usually extend from July to December.
The administrative boundaries in this sheet have been surveyed as posted out by the local officials on the ground, but have not been verified by the District authorities concerned.
Position of pylons between turning points of power lines has not been surveyed.

COMPILED INDEX

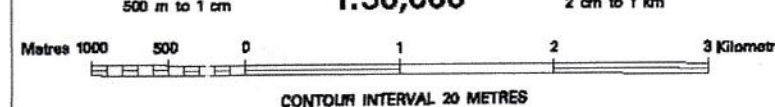
A Surveyed during 1972-76. Updated for major details during 2005-06.



Projection - UTM Datum - WGS 84

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

1:50,000



For further details about this map, please contact

Director

Madhavshikha & Geo Geo-Spatial Data Centre

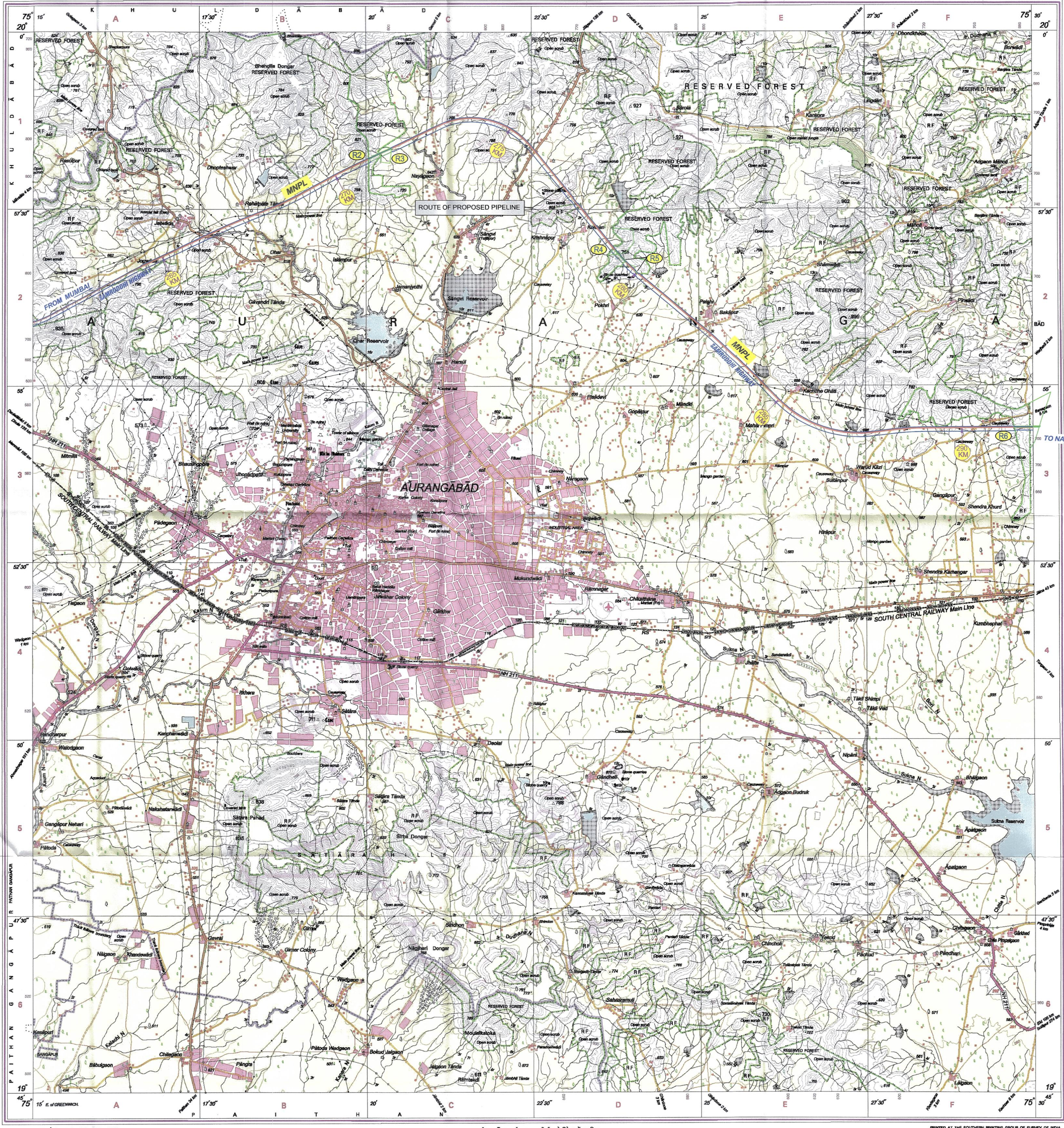
Survey of India, Phulsegar, Ahmed Road

Pune.

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

GOVERNMENT OF INDIA COPYRIGHT, 2011.



REG. NO. - SP-01 Maharashtra & Goa GOO-00-0005

नकाशे मंडळीतर्फे तयार केलेले हे नकाशा, ते सर्वोच्च, ते अधिकृत नकाशा आहे.
Published under the direction of Shri. R. S. Rao, R.E., Surveyor General of India.
Survey of India, Hishikar Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand),
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.



02/03

GAIL (INDIA) LIMITED					
Project : - Mumbai - Nagpur Pipeline Project					
Rediversion Proposal in Aurangabad Forest Division, Aurangabad District					
List of Forest Land					
Ref. No.	Forest Land Description	Length in (m)	Width in (m)	Area in (Ha)	Village
R2	Forest Land in Plot No. 12	248.21	3.00	744.62	Bhikapur
R3	Forest Land in Plot No. 10	425.63	3.00	1261.88	Sal
R4	Forest Land in Plot No. 5	117.56	3.00	353.83	Kishanpur Nadi
R5	Forest Land in Plot No. 7	258.83	3.00	776.49	Pokhari
R6	Forest Land in Plot No. 7	59.37	3.00	178.10	Pokhari
R6	Forest Land in Plot No. 56	627.60	3.00	1882.81	Shendran

Patch	Code	Easting	Northing	Longitude	Latitude
R2	1	535158.350	2208326.554	75°20'09.59" E	19°58'15.60" N
	2	534934.079	2208220.398	75°20'02.40" E	19°58'11.99" N
	3	534931.648	2208222.566	75°20'02.40" E	19°58'11.99" N
	4	535156.065	2208328.791	75°20'09.59" E	19°58'15.60" N
R3	1	535537.128	2208505.846	75°20'24.00" E	19°58'22.79" N
	2	535393.385	2208437.805	75°20'16.79" E	19°58'19.20" N
	3	535158.350	2208326.554	75°20'09.59" E	19°58'15.60" N
	4	535156.065	2208328.791	75°20'09.59" E	19°58'15.60" N
R4	5	535392.102	2208440.517	75°20'16.79" E	19°58'19.20" N
	6	535537.659	2208509.416	75°20'24.00" E	19°58'22.79" N
	1	541511.997	2205760.010	75°23'49.20" E	19°56'52.80" N
	2	541508.652	2205759.154	75°23'49.20" E	19°56'52.80" N
R5	3	541431.362	2205847.103	75°23'45.60" E	19°56'56.40" N
	4	541433.515	2205849.201	75°23'45.60" E	19°56'56.40" N
	1	541685.392	2205569.127	75°23'52.79" E	19°56'45.60" N
	2	541683.342	2205566.929	75°23'52.79" E	19°56'45.60" N
R6	3	541508.748	2205759.179	75°23'49.20" E	19°56'52.80" N
	4	541511.997	2205760.010	75°23'49.20" E	19°56'52.80" N
	5	541959.102	2205306.733	75°24'03.59" E	19°56'38.39" N
	6	541959.726	2205302.419	75°24'03.59" E	19°56'38.39" N
R6	7	542003.676	2205263.997	75°24'03.59" E	19°56'34.80" N
	8	542010.746	2205261.645	75°24'03.59" E	19°56'34.80" N
	1	552494.927	2201251.476	75°30'07.19" E	19°54'25.20" N
	2	551843.058	2201245.545	75°29'42.00" E	19°54'25.20" N
R6	3	551842.300	2201248.210	75°29'42.00" E	19°54'25.20" N
	4	552495.954	2201254.486	75°30'07.19" E	19°54'25.20" N

गैल (इंडिया) लिमिटेड / GAIL (India) Limited
एन-एनएलएस प्रोजेक्ट / DGM Construction
(A Govt. of India Undertaking) Nagpur Maharashtra
JUBILEE TOWER, 8 & 9 DEPARTMENT 8TH FLOOR,
B-35, 36 SECTOR-1, NOIDA 201301, G.B. NAGAR (U.P.) India

PROJECT:	MUMBAI NAGPUR SECTION OF MNPL PROJECT			
SECTION:	MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)			
SECTION:	Details of Reserved Forest to be Diverted District Aurangabad			
TITLE:	SOI MAP		CODE:	MNPL
 THEODESH CONSULTANTS AN ISO 9001:2015 CERTIFIED COMPANY 82-83, 3rd Floor, Surveykheda, Keshavnagar, Old Pashan Road, Aurangabad - 390 015 Phone: - (0205) 2339115 / 2339492 Tele Fax No. : (0205) 2339492 Email: theodeshtdci@tdci.in, theodesh@gmail.com				
Scale	Job No.	Drawing / Document No.	Sheet	Rev.
1:50,000	TDC/GAIL/19-20	TDC-GAIL-MNPL-20-P19-RF-AURANGABAD-RM-02	02-03	08



निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. E43D9

Scale 1:50,000

F43V8 (46P/8)	F43V12 (46P/12)	F43V16 (46P/16)
E43D5 (47M/5) Aurangabad MAHARASHTRA	E43D9 (47M/9) Jalna MAHARASHTRA	E43D13 (47M/13) Jalna MAHARASHTRA
E43D6 (47M/6)	E43D10 (47M/10)	E43D14 (47M/14)

1 Ahmadnagar, MAHARASHTRA

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009.

Price: Rs 50/-

CONVENTIONAL SYMBOLS

Express Highway: with toll: with bridge: with distance shown	
Roads, metalled: according to importance	
Roads, double carriageway: according to importance	
Unmetalled road: Grit-track: Pack-track with pass: Footpath	
Streams: with track in bed: defined: Canal	
Dams: masonry or rock fill: earthen: Weir	
River: dry with water channel: with island & rocks: Tidal river	
Submerged rocks: Shoal: Scum: Rocks	
Wells: hand: windmill: Tubewell: Spring: Tank: perennial: dry	
Embankments: road or rail: Link: Broken ground	
Railways: broad gauge: dual line: single with station: under construction	
Railways: other gauges: dual line: single with distance shown, do	
Mineral line or tramway: Kin: Cutting with tunnel	
Contours with sub-feetures: Rocky slopes: Cliffs	
Sand features: (1) flat: (2) dunes: (3) dunes: (4) dunes	
Towns or Villages: inhabited: deserted: Fort	
Huts: permanent: temporary: Tower: Antiquities	
Temples: Chhatra: Church: Mosque: Light: Tomb: Graves	
Lighthouse: Lightship: Buoy: Lighted: unlighted: Anchorage	
Mine: Vene on traffic: Grass: Scrub	
Palms: peepals, other: Plantain: Conifer: Bamboo: Other trees	
Areas: cultivated: wooded: 1 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: levelling: canal	
Post office: Telegraph office: Overhead tank	
Head house or inspection in railway: Canal house: Police station	
Camping ground: Forest: in reserve: protected	
Spaced names: administrative: locality or tribal	
Hospital: Dispensary: Vetter: Hospital: Dispensary	
Aerodrome: Helipad: Tourist: site	
Power line: with pylons: sun-ray: with poles: unsurveyed	

Route of Proposed Pipeline
Samrudhi Highway ROW

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, 35, means the approximate height, in metres, between the top and bottom of a steep slope.
A relative height e.g., 35, in a valley along a canal, indicates the height of the top of the canal embankment above the adjacent country.

COMPILED INDEX

A. Compiled from 1:50,000 survey 1980-81. 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)

Scale 1:50,000

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

Director

Maharashtra & Goa Geo-Spatial Data Centre

Survey of India, Phule Nagar, Band Road

Pune.

Fax : 020 - 26614665

VESITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

GOVERNMENT OF INDIA COPYRIGHT 2009



REG. No. 8455 SP/01/09 (Maharashtra & Goa GEO-1 50,000) 1011

भारत के सर्वेक्षण के विभाग में प्रकाशित,
Published under the direction of Surveyor General of India,
Survey of India, Hattibarkala Estate, Post Box No. 37, Dehra Dun - 248001 (Uttarakhand),
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA



03/03

GAIL (INDIA) LIMITED
Project :- Mumbai - Nagpur Pipeline Project
Rediversion Proposal in Aurangabad Forest Division, Aurangabad District

List of Forest Land								
Ref. No.	Forest Land Description	Length in Forest (m)	Width (m)	Area in (Sqrft)	Area in (Ha)	Village	Tehsil	District
R7	Forest Land in Comp No. 241B	259.27	3.00	777.80	0.0778	Wazadi	Aurangabad	Aurangabad
R8	Forest Land in Plot No. 275	74.72	3.00	224.15	0.0224	Wazadi	Aurangabad	Aurangabad
R9	Forest Land in Plot No. 12	276.09	3.00	828.26	0.0828	Jalpur	Aurangabad	Aurangabad
R10	Forest Land in Plot No. 181	409.43	3.00	1228.29	0.1228	Jalpur	Aurangabad	Aurangabad

Patch	Code	Easting	Northing	Longitude	Latitude
R7	1	552754.551	2201253.812	75°30'14.40" E	19°54'25.20" N
	2	552598.786	2201252.411	75°30'10.80" E	19°54'25.20" N
	3	552494.927	2201251.476	75°30'07.19" E	19°54'25.20" N
	4	552495.954	2201254.486	75°30'07.19" E	19°54'25.20" N
	5	552598.759	2201255.411	75°30'10.80" E	19°54'25.20" N
R8	6	552754.840	2201256.815	75°30'14.40" E	19°54'25.20" N
	1	553920.542	2201168.313	75°30'54.00" E	19°54'21.59" N
	2	553848.984	2201181.239	75°30'50.39" E	19°54'21.59" N
	3	553847.812	2201184.480	75°30'50.39" E	19°54'21.59" N
R9	4	553923.325	2201170.854	75°30'54.00" E	19°54'21.59" N
	1	554496.296	2201024.248	75°31'15.60" E	19°54'18.00" N
	2	554358.283	2201064.899	75°31'08.40" E	19°54'18.00" N
	3	554232.792	2201097.958	75°31'04.80" E	19°54'18.00" N
	4	554230.686	2201101.615	75°31'04.80" E	19°54'18.00" N
	5	554359.080	2201067.791	75°31'08.40" E	19°54'18.00" N
R10	6	554498.878	2201026.596	75°31'15.60" E	19°54'18.00" N
	1	556451.694	2200524.005	75°32'20.40" E	19°53'59.99" N
	2	556383.943	2200530.984	75°32'20.40" E	19°53'59.99" N
	3	556171.164	2200559.128	75°32'13.20" E	19°53'59.99" N
	4	556045.408	2200580.288	75°32'05.99" E	19°54'03.59" N
	5	556043.251	2200583.638	75°32'05.99" E	19°54'03.59" N
	6	556171.622	2200562.093	75°32'13.20" E	19°54'03.59" N
	7	556384.272	2200533.966	75°32'20.40" E	19°53'59.99" N
	8	556451.635	2200527.002	75°32'20.40" E	19°53'59.99" N

GAIL (India) LIMITED
A Govt. of India Undertaking
JUBILEE TOWER, 8 & 9 DEPARTMENT 8TH FLOOR,
B-35, 36 SECTOR-1, NOIDA 201301, G.B. NAGAR (U.P.) India

PROJECT: MUMBAI NAGPUR SECTION OF MNPL PROJECT
SECTION: MUMBAI - NAGPUR PROPOSED GAS PIPELINE (MNPL)

Details of Reserved Forest
to be Diverted District Aurangabad

TITLE: SOI MAP CODE: MNPL

THEODESH CONSULTANTS
82-83, 3rd Floor, Suryakiran Complex, Old Padra Road Vadodra - 390 015
Phone - (0265) 2339115 / 2339492 Tele Fax No. : (0265) 2339492
Email - theodesh@tdc.in, theodesh@gmail.com

Scale 1:50,000 Job No. TDC-GAIL-MNPL-20-P19-RF-AURANGABAD-RM-03 Drawing / Document No. Sheet 03-03 Rev. 0B