



No. E43U5

Scale 1:50,000



भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

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CONVENTIONAL SYMBOLS



REFERENCES

MSR & National Highway No. 4. MDC Maharashtra Industrial Development Corporation.

NOTES :-

Height in metres and above Indian mean sea level. Contours are approximate. A relative height, 'a', represents the approximate height, in metres, between the top and bottom of a steep slope. The kilometre stone numbers along roads are shown in short type e.g. '5' whereas reference numbers are shown in upright type e.g. '5.5'. Tanks, shown dry, in this area usually contain water from July to February. Unsurfaced roads, in this sheet, are generally metalled in dry season. Position of pillars between turning points of survey lines has not been surveyed. Throughout the sheet numerous small faults occur across streams; only the important ones are shown. Wells and hand-dug wells are numerous throughout the sheet; only the important ones have been shown. The interpolated heights and contours in this sheet have not been adjusted to the heights of the spot levelled bench-marks and may not be strictly in accordance with them.

COMPILED INDEX

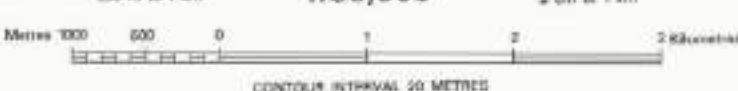
A. Surveyed during 1975-79. Updated for major details during 2005-06.



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
Maharashtra & Goa Geo-Spatial Data Centre
Survey of India, Phulnagar, Aland Road
Pune.

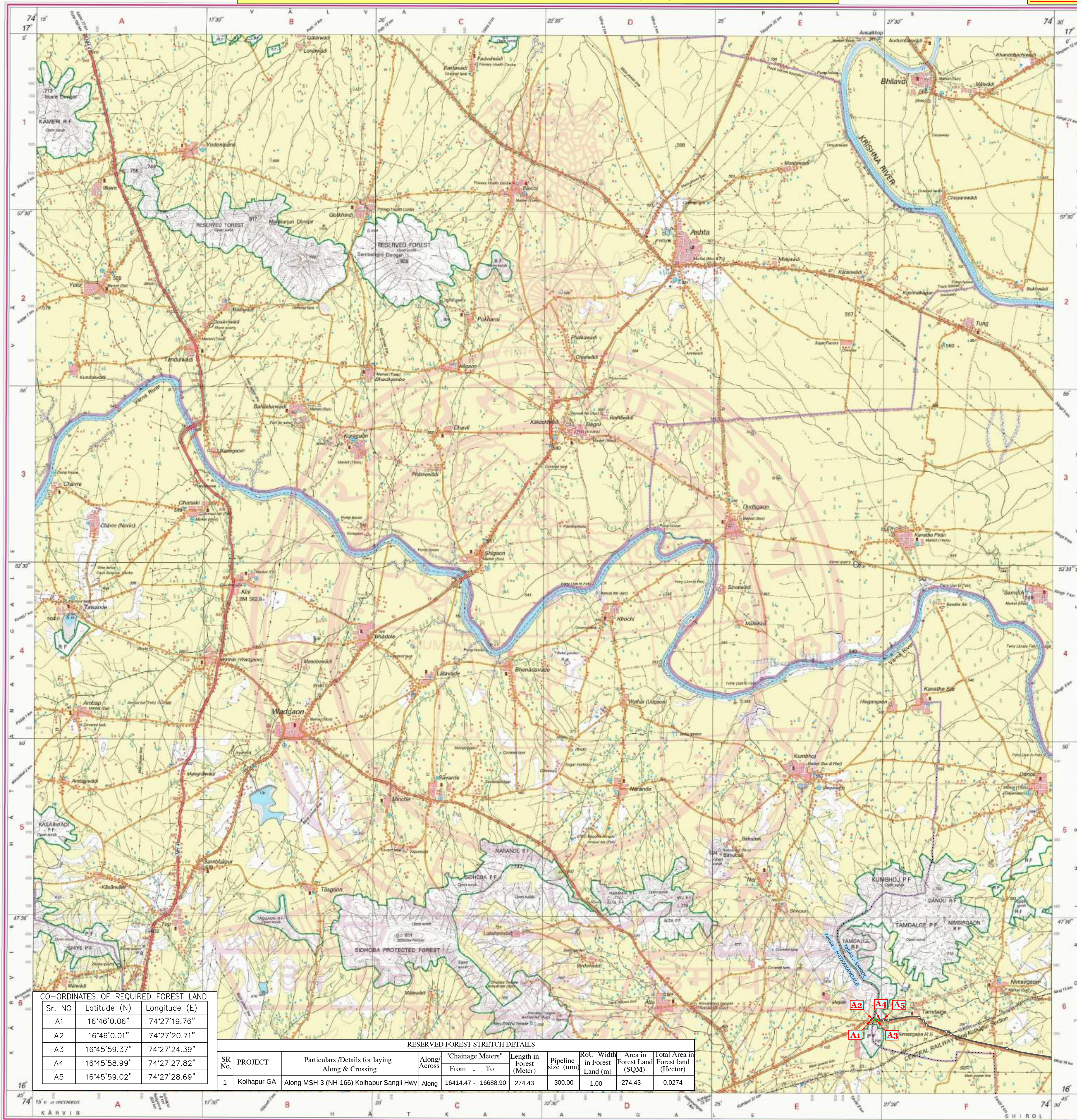
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MAP SHOWING RESERVED AND NON FOREST AREA ON PROPOSED HPOIL GAS PRIVATE LIMITED'S (HOGPL) PIPELINE ROUTE - KOLHAPUR DISTRICT

TOPOSHEET



CO-ORDINATES OF REQUIRED FOREST LAND

Sr. NO	Latitude (N)	Longitude (E)
A1	16°46'0.06"	74°27'19.76"
A2	16°46'0.01"	74°27'20.71"
A3	16°45'59.37"	74°27'24.39"
A4	16°45'58.99"	74°27'27.82"
A5	16°45'59.02"	74°27'28.69"

RESERVED FOREST STRETCH DETAILS

SR No.	PROJECT	Particulars/Details for laying Along & Crossing	Along/ Across	"Chainage Meters"		Length in Forest (Meter)	Pipeline size (mm)	RoU Width in Forest Land (m)	Area in Forest Land (SQM)	Total Area in Forest land (Hector)
				From	To					
1	Kolhapur GA	Along MSH-3 (NH-166) Kolhapur Sangli Hwy	Along	16414.47	16688.90	274.43	300.00	1.00	274.43	0.0274

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NOT FOR EXPORT
OPEN SERIES
MAP
No. E43U9
Scale 1:50,000

E4308 (47K/8)	E43012 (47K/12) Sangli MAHARASHTRA	E43016 (47K/16)
E43U5 (47L/5)	E43U9 (47L/9)	E43U13 (47L/13)
Kolhapur MAHARASHTRA E43U6 (47L/6)	E43U10 (47L/10)	E43U14 (47L/14) Belgaum KARNATAKA

1 Solapur, MAHARASHTRA

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
Streams, with track in bed, unmetalled, Canal
Dams, masonry or rock-filled, earthenwork, Weir
River, dry with water channel, with island & rocks, Tidal river
Submerged rocks, Shoal, Swamp, Reeds
Wells, hand, unmetalled, Tube-well, Spring, Tanks, 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, K.M., Cutting with tunnel
Contours with sub-features, Rocky slopes, C.R.F.
Sand features (Wind-blown ridges, dunes, etc.)
Towns or Villages, inhabited, deserted, Fort
Hills, permanent, temporary, Tower, Antiquities
Temple, Chhatra, Church, Mosque, Light, Tomb, Ghoree
Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage
Mine, Vire on hill, Grass, Scrub
Palms, palm, other, Plantain, Conifer, Bamboo, Other trees
Areas, cultivated, wooded, Surveyed tree
Boundary, international
state, demarcated, undemarcated
district, subdivision, taluk or M.L.A. forest
Boundary pillar, surveyed, uncoloured
Heights, triangulation station, point, approximate
Bench-mark, geodetic, tertiary, canal
Post office, Telegraph office, Overhead tank
Road house or inspection bungalow, Circular house, Police station
Camping ground, Forest, reserved, protected
Special names, administrative, locality or tribal
Hospital, Dispensary, Veterinary Hospital/Dispensary
Aerodrome, Helipad, Tourist site
Power line, with pylons surveyed, with poles unsurveyed

SYMBOL	DESCRIPTION
	NON FOREST AREA

NOTES :-

Heights are in metres and above Indian mean sea level.
Contours are approximate.
The triangulated heights and contours in this sheet have not been adjusted to the heights of the work levelled bench-marks and may not be strictly in accordance with them.
Towns, shown dry, in this area usually contain water from July to January.
All unmetalled roads are motorable and cart tracks possible in dry season.
A relative height, ->, represents the approximate height, in metres, between the top and bottom of a steep slope.
Hand pump is shown thus

COMPILATION INDEX

B	A. Compiled from 1:25000 survey, 1972-73 and rapid verification survey, 1979-79.
A	B. Surveyed during 1979-79.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1 1/2° West in 1995.

1:50,000

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

Director
Maharashtra & Goa Geo-Spatial Data Centre
Survey of India, Phule Nagar, Aland Road
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