

No. E43N15
Scale 1:50,000

E43N10 (47G/10) Ratnagiri MAHARASHTRA	E43N14 (47G/14) Sikara MAHARASHTRA	E43O2 (47K/2)
E43N11 (47G/11)	E43N15 (47G/15)	E43O3 (47K/3)
E43N12 (47G/12)	E43N16 (47K/16)	E43O4 (47K/4) Sangli MAHARASHTRA

1 Kolhapur, MAHARASHTRA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2011. Price: ₹ 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
- Dam; masonry or rock-filled; earthwork, Wall
- River; dry with water channel; with island & rocks, Tidal river
- Submerged rocks, Shoal, Swamp, Reeds
- Wells; lined; undefined, Tube-well, Spring, Tanks; permanent; dry
- Embankments; road or rail; tanks, Broken ground
- Railways, broad gauge; double; single with distance stone; do
- 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; (Flat, Dune-hills, permanent), (Dunes, shifting)
- Towns or Villages; inhabited; deserted, Fort
- Hole; permanent; temporary, Tower, Antenna
- Temples, Church, Mosque, Light, Tomb, Tower
- Lighthouses, Lightships, Buoys; lighted; unlighted, Anchorage
- Mine; View on trails, Grass, Scrub
- Palms; palmyra; 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
- Height, 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
- Speed names; administrative; locality or tribal
- Hospital, Dispensary, Veterinary; Hospital / Dispensary
- Aerodrome, Helipad, 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., 50, represents the approximate height, in metres, between the top and bottom of a steep slope.
Inhabited buildings are shown in black.
Unmetalled roads are generally motorable and cart-tracks are jeppable in dry season.
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.
This sheet has been compiled from 1:25,000 sheets.

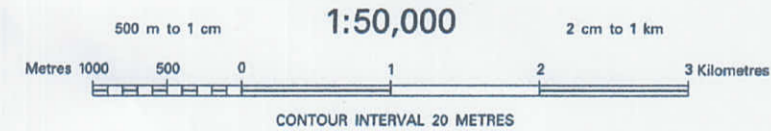
COMPILATION INDEX

A. Surveyed during 1963-64, Updated for major details during 2005-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1 1/4 West in 2005.
(Decreasing by about 1' annually).

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, Alandi Road,
Pune.

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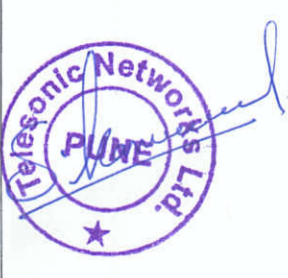


REG. No. -SPG D/11 (Maharashtra & Goa GDC-1:50,000)

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Department of Science & Technology, Government of India.

Legend
OFC in ROW of Road
in Forest Land
OFC in ROW of Road
in Non-Forest Land

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E43N15	E43O3	E43O7
Sátara MAHARASHTRA		
E43N16	E43O4	E43O8
Sangli MAHARASHTRA		
E43T13	E43U1	E43U5
Kolhapur MAHARASHTRA		

1 Ratnagiri, MAHARASHTRA.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009. Price : Rs. 50/-

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	
Dam: masonry or rock-filled; earthen. 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 constn	
Railways, other gauges: double; single with distance stone, do	
Mineral line or tramway. Kin. Cutting with tunnel	
Contours with sub-levels. Rocky slopes. Cliffs	
Sand features (1 feet. 2 sand-hills/peninsular). (2) dunes/shifting	
Towns or Villages: inhabited; deserted. Fort	
Huts: permanent; temporary. Tower. Antiquities	
Temples. Chhatri. Church. Mosque. Light. Tomb. Graves	
Lighthouse. Buoy; lighted; unlighted. Anchorage	
Mine. Vine on mallee. Grass. Scrub	
Palms: palmyra; 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; uncollected	
Heights, triangulated: station; point; approximate	
Bench-mark: 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	
Aerodrome. Helipad. Tourist site	
Power line: with pylons surveyed; with poles unsurveyed	

REFERENCES

NH 4 National Highway No. 4. CR Central Railway.

NOTES :-

Contours are approximate.
 Heights are in metres and above Indian mean sea level.
 A relative height, 'r', 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 bench-marks and may not be strictly in accordance with them.
 Wells are numerous throughout the sheet; only the important ones have been shown.
 Unmetalled roads are generally not shown in dry season.
 Tanks, shown dry, in this area usually contain water from June to January.
 Hand pump shown thus:

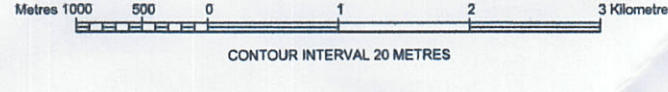
COMPILATION INDEX

A	Surveyed during 1991-92. Updated for major details during 2005-06.
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Projection - UTM Datum - WGS 84

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

Scale 1:50,000



CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
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 Department of Science & Technology, Government of India.

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Toposheet Map Showing Diversion of Forest Land For Laying of OFC Duct & Cable Within ROW of Existing Road Patan to Shevalwadi, Tal- Patan & Karad, Dist- Satara.



Legend

- OFC in ROW of Road In Forest Land.
- OFC in ROW of Road In Non-Forest Land