

Four Laning from Existing Km 182.195 to Km 219.956 (Design chainage from Km 182.556 to Km 224.000 of Sangli – Borgaon Section of NH – 166.

USER AGENCY : NATIONAL HIGHWAYS AUTHORITY OF INDIA - PIU SOLAPUR


विज्ञान के विरुद्ध नहीं NOT FOR EXPORT
OPEN SERIES MAP
No. E43U9
 Scale 1:50,000

E43O8 (47K/8)	E43O12 (47K/12)	E43O16 (47K/16)
E43U5 (47L/5)	E43U9 (47L/9)	E43U13 (47L/13)
E43U6 (47L/6)	E43U10 (47L/10)	E43U14 (47L/14)

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, double carriage way according to importance	
Unsurfaced road, Cart track, Foot path with pass, Foot path	
Stream, with track in bed, unfordable, Canal	
Canal, temporary or rock-lined, earthwork, Well	
Road dry with water stream, with wheel tracks, Road, New	
Submerged road, Road, Swamp, Road	
Walk, lead, Lull, Tubewell, Spring, Tank, perennial, dry	
Endorheic, mud or wet, bank, Bank, ground	
Railway, broad gauge, double single or single, with station, with	
Railway, other gauges, double single with distance stone, etc.	
Mensural line or traverse, Kin, Cutting with level	
Contours with sub-factors, Rocky slopes, Cliff	
Sand barometer (10m, 20m, 30m, 40m, 50m, 60m, 70m, 80m, 90m, 100m)	
Tower of 10m, 20m, 30m, 40m, 50m, 60m, 70m, 80m, 90m, 100m	
High permanent, temporary, Tower, Antenna	
Temple, Church, Mosque, Ghat, Tank, Ganga, etc.	
Lighthouse, Lighted, Lighted, Lighted, Anchorage	
Mini, line, track, Canal, Drain	
Palms, papyrus, other, Pharus, Conifer, Bamboo, Other trees	
Areas, cultivated, wooded, Surveyed, tree	
Boundary, international	
State, provincial, administrative	
Block, administrative, small or black, block	
Boundary, village, cemetery, uncoloured	
Height, triangulation station, point, approximate	
Bench mark, geodetic, tertiary, canal	
Post office, telegraph office, communication	
Rail house or traction, locomotive, Diesel, horse, Police station	
Camping ground, Forest, reserved, protected	
Special reserve, administrative, locality or block	
Hospital, Dispensary, Veterinary, Hospital, Dispensary	
Airplane, Helicopter, Transport, etc.	
Power line, with poles, suspended, with poles, unsuspended	

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 height of the earth's surface and may not be strictly in accordance with them.
 Tides shown only in the area usually covered by the tide gauge.
 All uncoloured marks are reducible and un-coloured marks are in dry season.
 In a double height, '2' represents the approximate height in metres, between the top and bottom of the steep slope.
 Road pump is shown thus:

COMPILED INDEX

A	Compiled from 1:50,000 survey, 1972-73 and scale modification
B	Surveyed during 1975-79
A	

Projection - UTM Datum - WGS 84
 Magnetic Variation from True North about 1/2° West in 1995.
 Contour interval 20 metres
 Scale 1:50,000
 300 m to 1 cm
 2000 ft to 1 inch

For further details about this map, please contact
 Director,
 Maharashtra & Goa Geo-Spatial Data Centre
 Survey of India, Phule Nagar, Ahmed Road
 Pune.

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Four Laning from Existing Km 182.195 to Km 219.956 (Design chainage from Km 182.556 to Km 224.000 of Sangli – Bargaon Section of NH – 166.

USER AGENCY : NATIONAL HIGHWAYS AUTHORITY OF INDIA - PIU SOLAPUR


निर्वाह के लिए नहीं NOT FOR EXPORT
OPEN SERIES MAP
No. E43U13
 Scale 1:50,000

E43O12 (47K12)	E43O16 (47K16)	E43P4 (47O4)
MAHARASHTRA		
E43U9 (47L9)	E43U13 (47L13)	E43V1 (47P1)
MAHARASHTRA		
E43U40 (47L10)	E43U14 (47L14)	E43V2 (47P2)
1 Solapur, MAHARASHTRA		

भारतीय सर्वेक्षण विभाग **SURVEY OF INDIA**
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CONVENTIONAL SYMBOLS

Express Highway with toll with bridge with elevation above	
Roads, established according to importance	
Roads, double cartway, according to importance	
Unsurfaced road, cart track, pack track with pass, footpath	
Stream, with track in bed, unbridged, canal	
Canal, masonry or rock faced, waterless, with	
River, dry with water channel, with island & rock, tidal river	
Submerged rocks, Shoal, Swamp, Floods	
Valley lined, unlined, Take-well, Spring, Tanks, perennial, dry	
Transmission post or pole, line, power post	
Submarine, sand, gravel, shells, single with depth, water column	
Railways, other gauges, electric, single with distance above, double	
Mineral line or tramway, Kds, Colliery with level	
Contours with sea level, Rocky slopes, Cliffs	
Boundaries (1st, 2nd, 3rd, 4th, 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th, 20th, 21st, 22nd, 23rd, 24th, 25th, 26th, 27th, 28th, 29th, 30th, 31st, 32nd, 33rd, 34th, 35th, 36th, 37th, 38th, 39th, 40th, 41st, 42nd, 43rd, 44th, 45th, 46th, 47th, 48th, 49th, 50th, 51st, 52nd, 53rd, 54th, 55th, 56th, 57th, 58th, 59th, 60th, 61st, 62nd, 63rd, 64th, 65th, 66th, 67th, 68th, 69th, 70th, 71st, 72nd, 73rd, 74th, 75th, 76th, 77th, 78th, 79th, 80th, 81st, 82nd, 83rd, 84th, 85th, 86th, 87th, 88th, 89th, 90th, 91st, 92nd, 93rd, 94th, 95th, 96th, 97th, 98th, 99th, 100th)	
Temples, Churches, Mosques, Temples, Gurdwaras, etc.	
Lighthouses, Lightships, Buoyage lighted, unlighted, Anchorage	
Wells, Vessels, Tanks, Stone, etc.	
Phone poles, other, Poles, Cables, Electric, Other lines	
Areas, cultivated, wooded, Surveyed trees	
Boundary, international	
State, demarcated, undemarcated	
Geographic, administrative, level of black, level	
Boundary, demarcated, level of black, level	
Height, spot, level, above sea level, spot, level	
Post office, Telegraph office, Chief post, etc.	
Post house or messenger, bungalow, Civil house, Police station, etc.	
Control point, Triangulation, etc.	
Special names, administrative, locality or tribal	
Hospital, Dispensary, Veterinary, Hospital, Dispensary, etc.	
Assemblies, Meeting, Town site	
Power line, with poles supported, with poles unsupported	

NOTES

Heights are in metres and above Indian mean sea level.
 Contours are approximate.
 A double black line, e.g., 20, represents the approximate height in metres, between the top and bottom of a steep slope.
 The range of heights and contours in this sheet have not been adjusted to the heights of the retriangulated bench-marks and may not be strictly in accordance with them.
 Railway and telegraph lines are shown throughout the sheet and only the important ones have been shown.
 Tanks, shown dry, in this area usually contain water from July to February.
 Throughout this sheet, numerous small tanks and other water sources are shown.
 Unsettled areas in this sheet are generally marked in dry season.
 In special names the letter 'h' has priority by the second of 'y' (to avoid the sound of 'y') and 'i' (to avoid the sound of 'i') over 'a' when the latter is not shown above the letter.

COMPILED INDEX

A. Surveyed during 1979-79. Updated for major details using 1:25,000 survey of 1988-90.

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

Scale 1:50,000
 500 m = 1 cm 2 cm = 1 km

CONTOUR INTERVAL - 10 METRES

For further details about this map, please contact
 Director
 Maharashtra & Goa Geo-Spatial Data Centre
 Survey of India, Phule Nagar, Akurdi Road
 Pune.

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