निर्यात के लिये नहीं NOT FOR EXPORT

OPEN SERIES MAP

# No. F43L10

Scale 1:50,000

| | | |
|---|---|---|
| | Raisen MADHYA PRADESH | |
| F43L5 (55F/6) | F43L9 (55F/9) | F43L13 (55F/13) |
| Sehore MADHYA PRADESH | | |
| F43L6 (55F/6) | F43L10 (55F/10) | F43L14 (55F/14) |
| | Hoshangābād MADHYA PRADESH | |
| F43L7 (55F/7) | F43L11 (55F/11) | F43L15 (55F/15) |

1 Harda, MADHYA PRADESH.
2 Betūl, MADHYA PRADESH.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009.

Rs. 35 (Rupees Eighty Five)

## CONVENTIONAL SYMBOLS

Expressway: 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
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 station; under construction
Railways, other gauges: double; single with distance stone; disused
Mineral line or tramway. Kiln. Cutting with tunnel
Contours with sub-features. Rocky slopes. Cliffs
Sand features: (Wat.-)Sand-hills (permanent). (Bdunsjahifting)
Towns or Villages: inhabited; deserted. Fort
Huts: permanent; temporary. Tower. Antiquities
Temple. Chhatri. Church. Mosque. Idgah. Tomb. Gaoua
Lighthouse. Lightship. Buoys: lighted; unlighted. Anchorage
Mine. Vine on trellis. Grass. Scrub
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
Areas: cultivated; wooded. Surveyed tree
Boundary, international
" state: demarcated; undemarcated
" district; subdivision, tahsil or tāluq; forest
Boundary pillars: surveyed; unlocated.
Heights. triangulated: station; point; approximate. 200 . 200 . 200
Bench-mark: geodetic; tertiary, canal . BM 63·3 . BM 63·3 . 63
Post office. Telegraph office. Overhead tank.
Rest house or Inspection bungalow. Circuit house. Police station
Camping ground. Forest: reserved; protected CG RF PF
Spaced names: administrative; locality or tribal KIKRI NAGA
Hospital. Dispensary. Veterinary: Hospital / Dispensary
Aerodrome. Helipad. Tourist site
Power line: with pylons surveyed; with poles unsurveyed

New Alignment
Existing Alignment
Tunnel

## REFERENCE

NH 69 National Highway No. 69.

## 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 spot levels and bench-marks and may not be strictly consistent with them.
A relative height, e.g.,·3r, represents the approximate height of the contour below the spot level or bench-mark of a steep slope.
The new tahsil boundary of Harda and Hoshangabad has been shown as per information collected out by the local officials on the ground but has not been [illegible]

COMPILATION INDEX

A

Surveyed [illegible]; Updated for major detail [illegible] 2004-05.

Projection – UTM Datum – WGS 84

Magnetic Variation from True North: about ½° West in 2005.
(Decreasing by about 1' annually).

1:50,000

500 m to 1 cm 2 cm to 1 km

Metres '000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact
Director
Madhya Pradesh Geo-Spatial Data Centre
Survey of India
Survey Colony, Vijaynagar
Jabalpur.
Fax : 0761 – 2644683

WEBSITE – www.surveyofindia.gov.in

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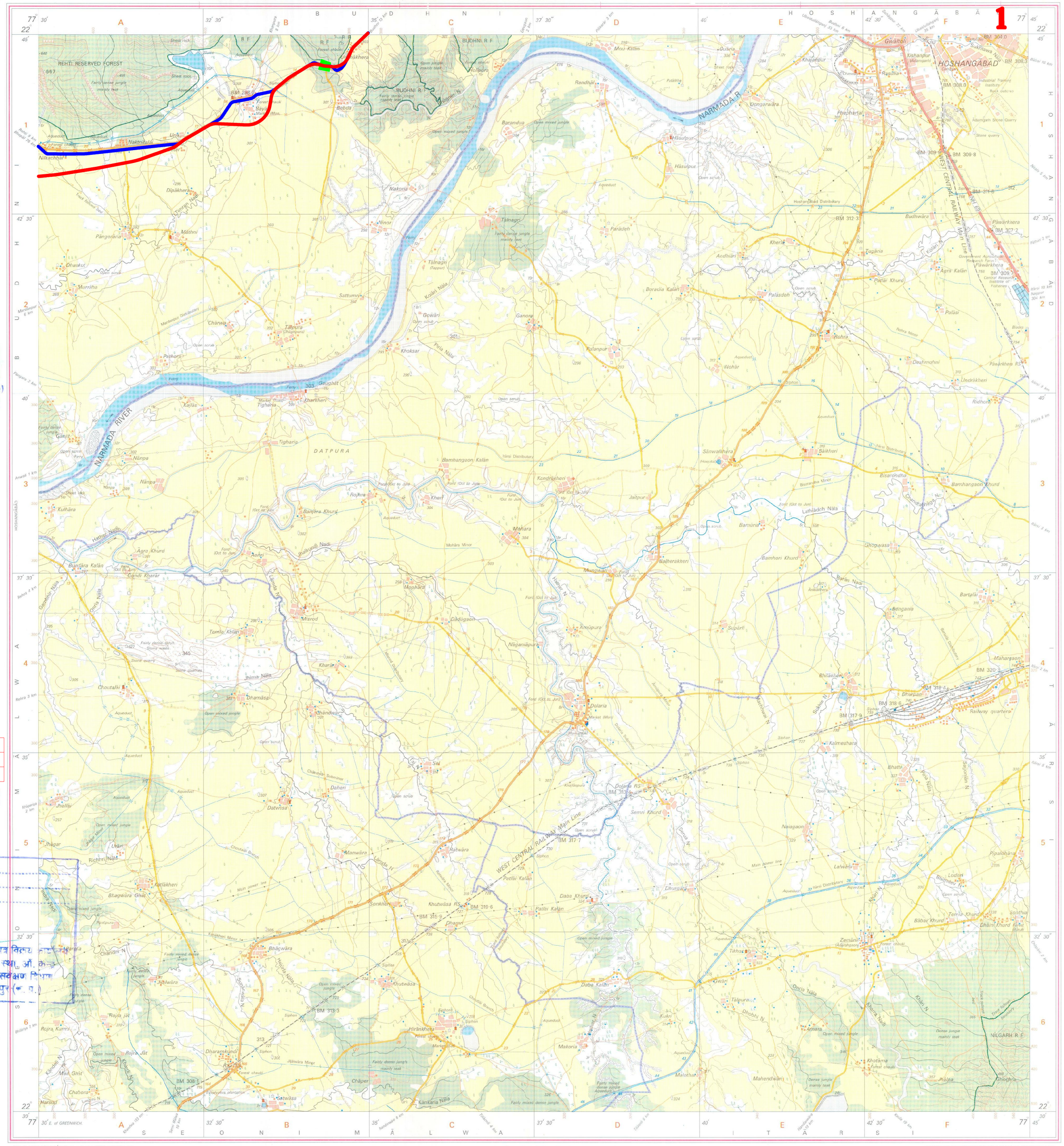
प्रापति सं. 3-2-2
दिनांक 17/9/12
प्रभारी मानचित्र विक्रय
म. प्र. भू. स्था. आँ. केन्द्र
भारतीय सर्वेक्षण विभाग
जबलपुर (म. प्र.)




REG. No. 25 3 0/MPC D 09 (Madhya Pradesh) GDC-1-50,000,1515.

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INDIA

REFER TO THIS MAP AS :- 1:50,000
SHEET 55 F/9 FIRST EDITION

HOSHANGĀBĀD, RAISEN AND SEHORE DISTRICTS.

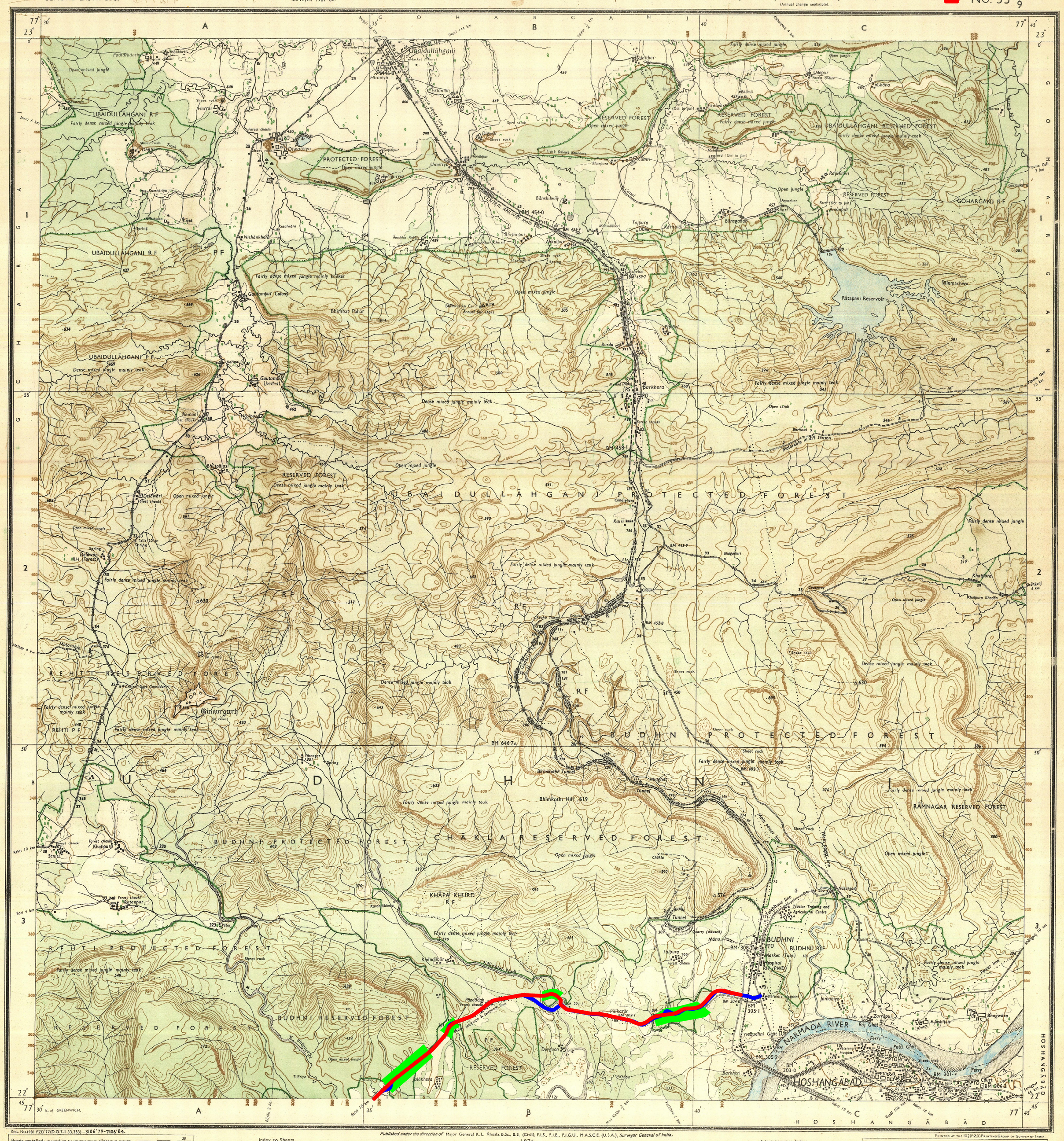
Surveyed 1967-68.

# MADHYA PRADESH

FIRST EDITION

Magnetic Variation from True North about $\frac{3}{4}°$ West in 1975.
(Annual change negligible).

2 No. 55 $\frac{F}{9}$




Reg. No 4981 P2D'77 (D.O.7-1.33.333)-3106'79-7106'84.

Roads, metalled: according to importance; distance stone
" unmetalled; do. do. ; bridge
Cart-track, Pack-track and pass. Foot-path with bridge
Bridges: with piers; without. Causeway. Ford or Ferry
Streams: with track in bed; undefined. Canal
Dams: masonry or rock-filled; earthwork. Weir
River banks: shelving; steep. 3 to 6 metres; over 6 metres
" 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 constr.
" other gauges: do.; do. with distance stone; do.
Mineral line or tramway. Telegraph line. Cutting with tunnel
Contours with sub-features. Rocky slopes. Cliffs
Sand features: (1) flat (2) sand-hills and dunes (surveyed) (3) shifting dunes

1st Edition 1976.

REFER TO THIS MAP AS :- 1:50,000
SHEET 55 F/9 FIRST EDITION

INDIA

Index to Sheets

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|---|---|---|
| 55 E/8 | 55 E/12 | 55 E/16 |
| 55 F/5 | 55 E/9 | 55 F/13 |
| 55 F/6 | 55 F/10 | 55 F/14 |

New Alignment

Existing Alignment

Tunnel

*Water features are shown in blue where they generally contain water.
Cultivated areas are coloured yellow.
Exterior boundaries of areas of Reserved or Protected Forests are shown by green grounds.

*Not applicable.

Contours are approximate.
A relative height, .8r, represents the approximate height, in metres, between the top and bottom of a steep slope.
Wooded areas are coloured green. Scattered trees and other vegetation are in green, but prominent surveyed trees are in black.

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.
The kilometre stone numbers along roads and the railway are shown in slant type, e.g., '5' whereas milestone numbers are shown in upright type, e.g., '5'.
Unmetalled roads inside the forest areas are maintained by the Forest Department. Permission to use these roads is required from the Forest authorities.

REFERENCE
NH 12 National Highway No. 12.

*Published under the direction of* Major General K. L. Khosla, B.Sc., B.E. (Civil), F.I.S., F.I.E., F.I.G.U., M.A.S.C.E. (U.S.A.), *Surveyor General of India.*
1976.

1:50,000

500 m to 1 cm — 2 cm to 1 km
Metres 1000 500 0 1 2 3 4 5 6 7 Kilometres

HEIGHTS & CONTOURS IN METRES
CONTOUR INTERVAL 20 METRES

Administrative Index

1 HOSHANGĀBĀD.

PRINTED AT THE I03(P.Z.O.) PRINTING GROUP OF SURVEY OF INDIA.

Towns or Villages: inhabited; deserted. Fort
Huts: permanent; temporary. Tower. Antiquities
Temple. Chhatri. Church. Mosque. Idgāh. Tomb. Graves
Lighthouse. Lightship. Buoys: lighted; unlighted. Anchorage
Mine. Vine on trellis. Grass. Scrub ... M
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
Boundary, international
" state: demarcated; undemarcated
" district; subdivn. tahsil or tāluk; forest
Boundary pillars: surveyed; unlocated; village trijunction
Heights, triangulated: station, point; approximate ... △ 200 .200 .200
Bench-mark: geodetic; tertiary; canal ... BM 63·3 .BM 63·3 .63
Post office. Telegraph office. Combined office. Police station ... PO TO PTO PS
Bungalows: dāk or travellers'. Inspection. Rest-house ... DB IB (Canal) RH (Forest)
Circuit house. Camping ground. Forest: reserved; protected ... CH CG
Spaced names: administrative; locality or tribal ... KIKRI NĀGA

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