TOPO SHEET OF THE FOREST AREA FOR COMPENSATORY OF AFFORESTATION (CA) PLANTATION ON BADAGAON FOREST BLOCK, BATESHWAR FOREST BLOCK & FARERA FOREST BLOCK, DIVISION AGRA AGAINST PROTECTED FOREST LAND USEDFOR PROPOSED 4- LANNING WIDENING & STRENGTHENING OF ETAH-KASGANJROAD & BAREILLY-MATHURA ROAD FROM KM- 20.000 TO KM- 24.300 & KM145.00 TO KM161.500 BY OFFICE OF THE EXECUTIVE ENGINEER, PROVINCIAL DIVISION, P.W.D. KASGANJ (U.P.)

निर्यात के लिए नहीं NOT FOR EXPORT

मध्य प्रदेश, उत्तर प्रदेश
MADHYA PRADESH
UTTAR PRADESH

SECOND EDITION

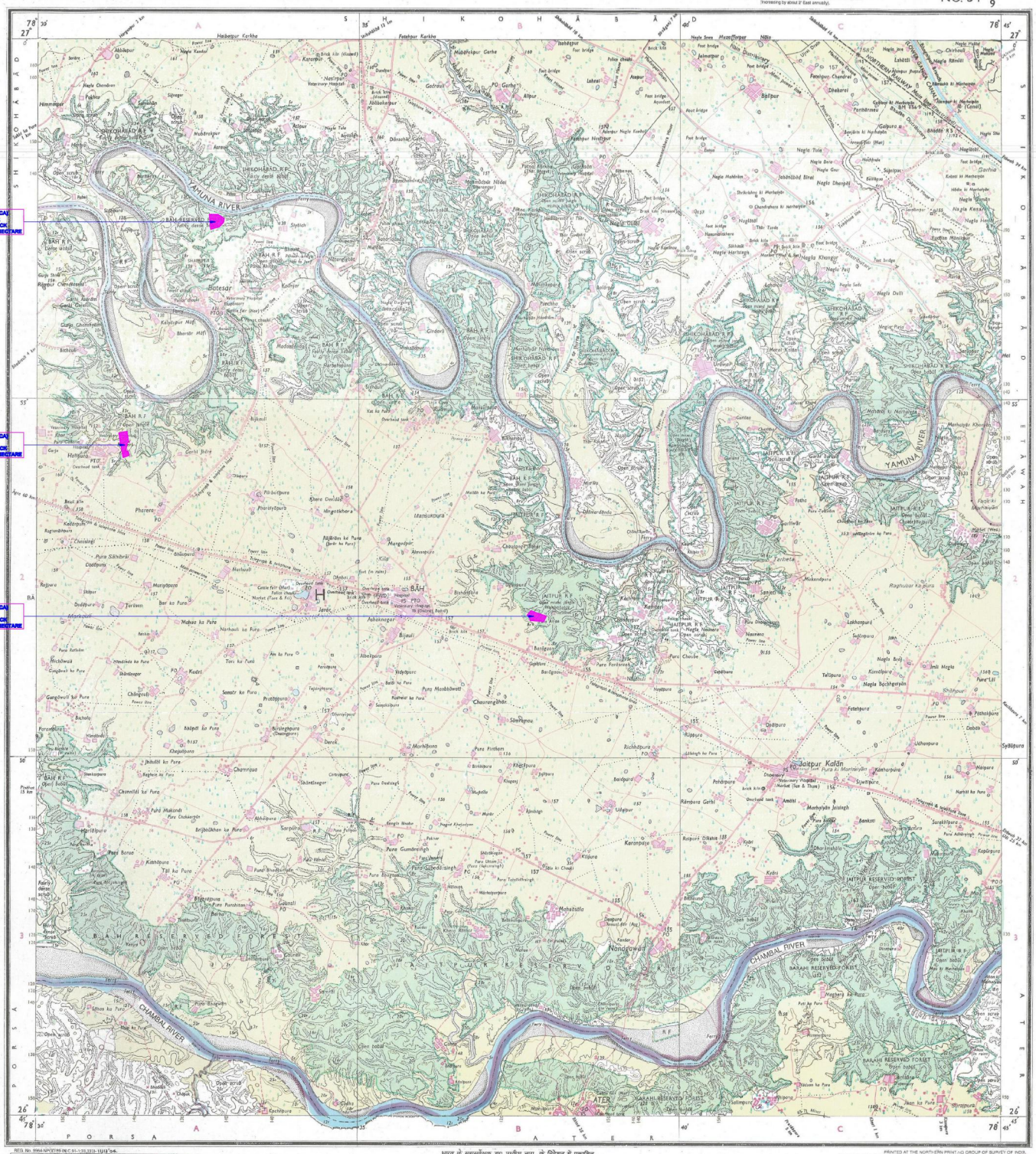
भारत INDIA
REFER TO THIS MAP AS :- 1:50,000
SHEET 54 J/9 SECOND EDITION

BHIND & MORENA DISTRICTS.
AGRA, ETAWAH & FIROZABAD DISTRICTS.

Surveyed 1985-86.

Magnetic Variation from True North about 0° in 1995.
Increasing by about 2' East annually.

No. 54 J/9



REG. No. 9964 NPD'289 (N.C.R)-1,33,333-15/8/94.

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; unidirect. 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 construction
other gauges: do. ; do. with distance stones do.
Mineral line or tramway. Telegraph line. Cutting with kurnal
Contours with sub features. Rocky slopes. Cliffs.
Sand features: Sand hills and dunes in regular (2) shifting dunes

1st Edition 1974; 2nd 2003.
(Previous Editions on 1-inch scale: 1st 1922; 2nd 1927).

Index to Sheets

54 I/8	54 I/12	54 I/16
54 I/5	54 I/9	54 I/13
54 I/4	54 I/10	54 I/14

भारत के महासर्वेक्षक द्वारा पृथ्वीश नाग, के निदेशन में प्रकाशित,
Published under the direction of Dr. Prithvish Nag, Surveyor General of India.
Survey of India, Department of Science & Technology, Government of India, Hathibarkala Estate, Post Box No.37, Dehra Dun-248001 (Uttaranchal)

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 10 METRES

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

Contours are approximate.
A relative height, 6m. 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 kilometre stone numbers along the railway and roads are shown in slant type, e.g. '7' whereas milestone numbers are shown in upright type, e.g. '51'.
Unmetalled roads and cart-tracks in this sheet are generally motorable in dry season. Permission to use these using canals is required from the irrigation authorities.
Tanks, shown dry in this area usually contain water from July to December.
Wells and tube-wells are numerous throughout the sheet; only the important ones have been shown.
A relative height, e.g. 8ft. in blue, against a well, indicates its total depth in metres.
The common boundary of the Reserved Forests between Bah R.F. & Jaitpur R.F. is square A/3 has not been shown for want of reliable information.
The state boundary in the Chambal River and the district boundary in the Yamuna River follow the main deep water channels and will change with the fluctuations of these channels.
The state boundary between Madhya Pradesh and Uttar Pradesh shown has been surveyed as pointed out by the local officials on the ground but has not been verified by the Government of Madhya Pradesh.

Administrative Index

1 MORENA, M.P.
2 BHIND, M.P.
3 ETAWAH, U.P.

PRINTED AT THE NORTHERN PRINTING GROUP OF SURVEY OF INDIA.

Towns or Villages: inhabited deserted. Fort
Huts: permanent: temporary. Tower. Antiquities
Temple. Chhatri. Church. Mosque. Idgah. Tomb. Graves
Lighthouse. Lightship. Beacon (lighted or unlighted). Anchorage
Mine. Vine on trellis. Grass. Scrub
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees
Boundary, international
" state: demarcated; undemarcated
" district: subdivisional or taluk; forest
Boundary pillars: surveyed, unsurveyed; village trijunction
Heights, triangulated: station; point; approximate 200 200 200
Bench-marks: geodetic; tertiary; canal BM 633 BM 633
Post office. Telegraph office. Combined office. Police station PO TO PTO PS
Bungalows: dak or travellers' inspection. Rest-house DB IB (Coach) RH (Rest)
Circuit house. Camping ground. Forest rest-house protected CH CG R F F
Spaced names: administrative; locality or tribal KIKRI NAGA

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Price : Twenty nine Rupees.

REFER TO THIS MAP AS :- 1:50,000
SHEET 54 J/9 SECOND EDITION
INDIA भारत

TOPO SHEET OF THE FOREST AREA FOR COMPENSATORY OF AFFORESTATION (CA) PLANTATION ON PIDHURA FOREST BLOCK-1, PIDHURA FOREST BLOCK-2 & PIDHURA FOREST BLOCK-3, FOREST DIVISION AGRA AGAINST PROTECTED FOREST LAND USED FOR PROPOSED 4- LANNING WIDENING & STRENGTHENING OF ETAH-KASGANJROAD & BAREILLY-MATHURA ROAD FROM KM- 20.000 TO KM- 24.300 & KM145.00 TO KM161.500 BY OFFICE OF THE EXECUTIVE ENGINEER, PROVINCIAL DIVISION, P.W.D. KASGANJ (U.P.)

निर्यात के लिए नहीं NOT FOR EXPORT

INDIA
REFER TO THIS MAP AS :- 1:50,000
SHEET 54 J/5 SECOND EDITION

मध्य प्रदेश, राजस्थान, उत्तर प्रदेश
MADHYA PRADESH, RĀJASTHĀN
UTTAR PRADESH

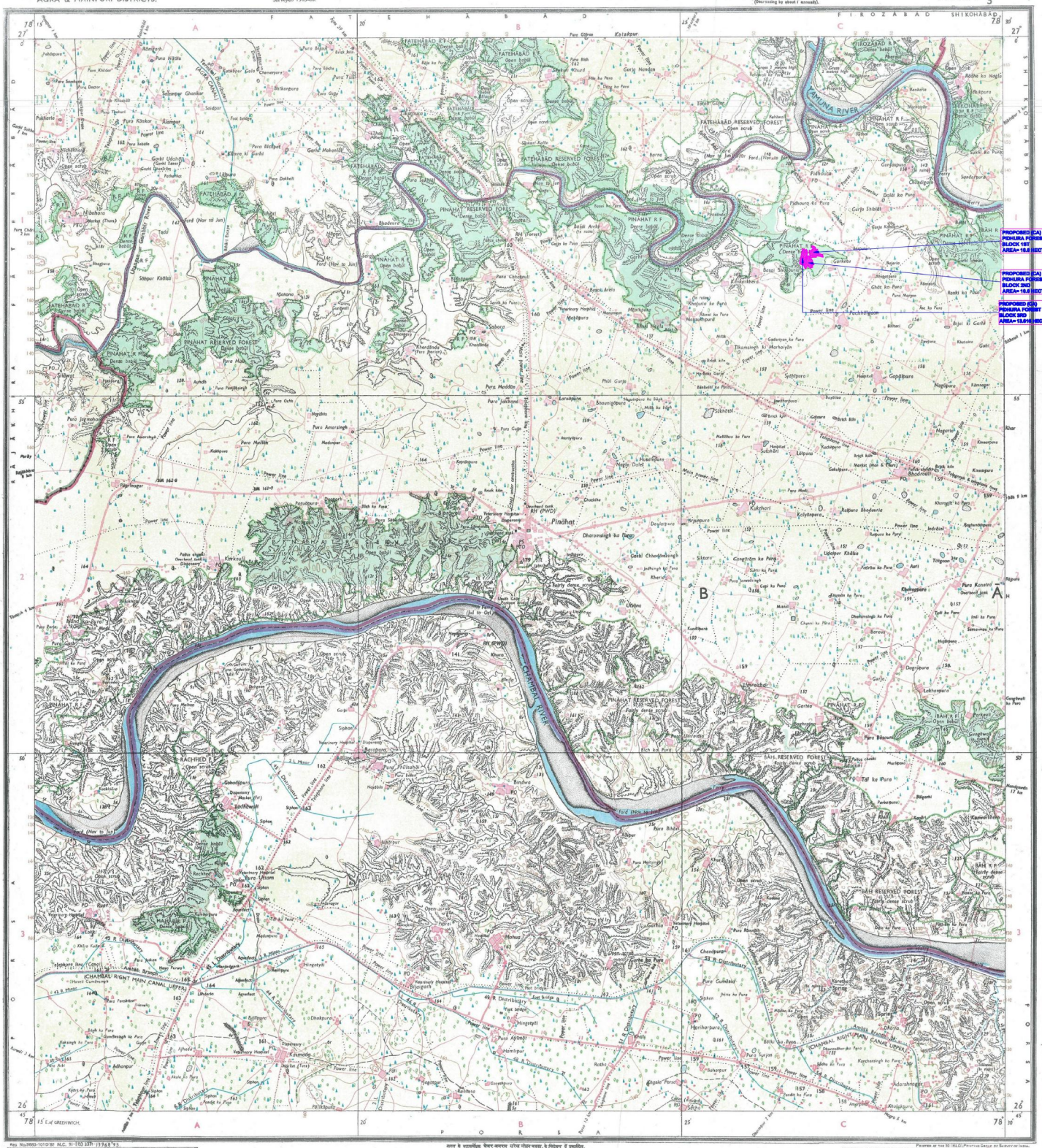
SECOND EDITION

MORENA DISTRICT.
DHAULPUR DISTRICT.
ĀGRA & MAINPURI DISTRICTS.

Surveyed 1985-86.

Magnetic Variation from True North about ½° West in 1985. (Decreasing by about 1' annually).

No. 54 J/5



Reg. No.9883-1010/81 R.L.C. 91-1103 (37)-(3768)'93.

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; unbuffered. 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 construction
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: sand dunes; shifting sand dunes; fixed sand dunes.

1st Edition 1974; 2nd 1989.
(Previous Edition on 1-Inch scale: 1st 1922).

REFER TO THIS MAP AS :- 1:50,000
SHEET 54 J/5 SECOND EDITION
INDIA भारत

Index to Sheets

54 J/4	54 J/8	54 J/12
54 J/1	54 J/5	54 J/9
54 J/2	54 J/6	54 J/10

सर्वे व मानचित्रण, पैकर-नगरपार, गुरुग्राम मोहन चड्ढा, वे सिंहपुर ऐं अधीक्षित,
Published under the direction of Major General Surinder Mohan Chadha, *Surveyor General of India*
1989.

1:50.000

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

HEIGHTS & CONTOURS IN METRES
CONTOUR INTERVAL 10 METRES

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

Contours are approximate.
A relative height, *Br.* 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.

Administrative Index

ĀGRA U.P.
MORENA M.P.
1 DHAULPUR, R.
2 MAINPURI. U.P.

Towns or Villages: inhabited-deserted. Fort.
Huts: permanent-temporary. Town. Antiquities
Temple. Chhatri. Church. Mosque. Idgah. Tomb. Graves.
Lighthouse. Lightship. Buoys: lighted-unlighted. Anchorage.
Mine. Vine on trellis. Grass. Scrub.
Palms: palmyra; other. Plantain. Conifer. Bamboo. Other trees.
Boundary, international.
state: demarcated-undemarcated.
district: subdivisional-of taluk. Forest.
Boundary pillars: surveyed-unlocated. village trijunction.
Heights: triangulated: station. point; approximate. 200 200 200
Bench-mark: geodetic-tertiary: canal. BM 43·3 ·3 43·2
Post office. Telegraph office. Combined office. Police station. PO TO PTO PS
Bungalows: dak or travellers' inspection. Rest-houses. DB IB (Canal) RH (Forest)
Circuit house. Camping ground. Forest: reserves protected. CH CG R F P F
Spaced names: administrative: tehsil or tribal. KIKRI NAGA

© GOVERNMENT OF INDIA COPYRIGHT. 1989.

Price: Sixteen Rupees

The kilometre stone numbers along roads and Strategic Drais are shown in slant type, e.g. '9' whereas milestone numbers are shown in upright type, e.g. '5'.

Unmetalled roads and cart-tracks, in this sheet, are generally motorable in dry season. Permission to use those along canals and inside Reserved Forests is required from the Irrigation and Forest authorities, respectively.

Tanks, shown dry in this area, usually contain water from July to December.

Wells and tube-wells are numerous throughout the sheet; only the important ones have been shown.

A relative height, e.g. 30r, against a well, in this, indicates its total depth in metres.

The common boundary of the Reserved Forests between Bih R F & Pidhur R F in squares C/2, 3 is not demarcated on the ground and has been taken from Forest maps.

The state boundary in the Chambal, the district & tehsil boundaries in the Yamuna and the state & tehsil boundaries in the Kitangan or Gambhir Rivers follow the main deep water channels and will change with the fluctuations of these channels.

The state boundaries between Rajasthan & Uttar Pradesh and between Madhya Pradesh & Uttar Pradesh States have been surveyed as pointed out by the local officials on the ground but have not been verified by the MadhYa Pradesh and Rajasthan Governments.