

GIRIDIH AND
HAZARIBAG DISTRICTS.

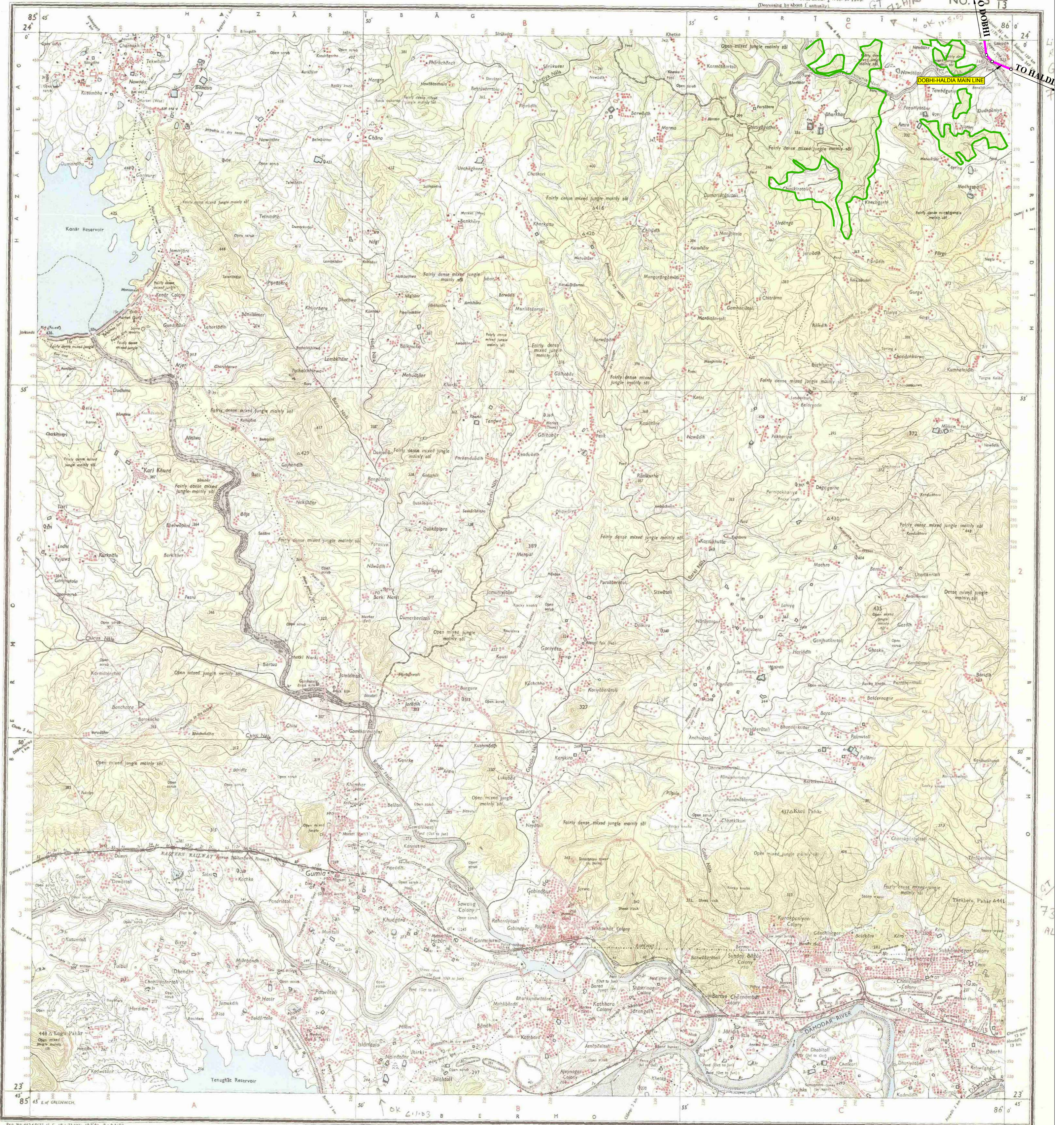
Surveyed 1975-76.

बिहार
BIHAR

FIRST EDITION

Magnetic Variation from True North about $\frac{1}{2}^{\circ}$ West in 1975.
(Decreasing by about 1' annually)

GT 42 H/16
No. 133 E/13



Ref. No. 4326/77 (E.C. 18-3333)-42781-3.1.0.4.80.

Roads, metalled, according to importance, distance stone	unmetalled, do.
Cable-track, Pack-track and pass, Foot-path with bridge	
Bridges, with pier without, Causeway, Ford or Ferry	
Streams, with bank without, Canal	
Dams, masonry or rock filled with water, Weir	
River banks, shingle, steep, 3 to 6 metres, over 6 metres	
dry with water, channel, with dam or weir, tidal river	
Submerged rocks, Shoal, Swamp, Reed	
Wells, unlined, lined, tube-well, Spring, Tank, perennial, dry	
Embankments, road or rail, bank, Broken Ground	
Railways, broad gauge, double single, with station, under construction	
other gauges, do., do., with station, under construction	
Mineral line, or tramway, telegraph line, Cutting, with tunnel	
Contours with sub-features, Rocky, Slopes, Cliffs	
Sand features, (dunes, ridges, etc.) and dunes, dunes, dunes	

1st Edition 1971.
(Previous Edition on Indian scale: 1:62,500).

Index to Sheets

72 1/2	72 1/2	72 1/2
73 1/2	73 1/2	73 1/2
74 1/2	74 1/2	74 1/2

भारत के नक्शेबंदी के लिए सर्वेक्षण विभाग द्वारा सर्वेक्षण किया गया है।

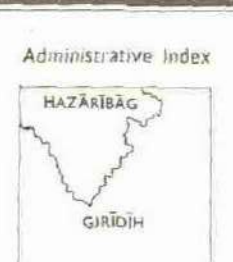
73 E/14 1977.

500 m 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 material boundaries of areas of Reserved or Protected Forests are shown by green lines.
*Not applicable.

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 railways are shown in plain type, e.g. '5' whereas milestone numbers are shown in upright type, e.g. '5'.
National Highway No. 2 is passing through the north-east corner of the sheet.



Administrative Index

Towns or Villages, inhabited, denoted, Fort	
White, permanent, temporary, Town, Anchorage	
Temple, Church, Mosque, Idgh, Tomb, Graves	
Lighthouse, Lightship, Buoy, Lighted, unlighted, Anchorage	
Mine, Vile, on track, Grass, Scrub	
Palms, palm-tree, other, Plantain, Conifer, Bamboo, Other trees	
Boundary, International	
STATE demarcated, unmarked	
district, sub-divisional or taluk, forest	
Boundary pillars, surveyed, unmarked, village, trigonometric	
Height, triangulated, station, point, approximate	200 200
Bench-mark, geodetic, levelling, sand	BM 633 427 43
Post office, telegraph office, Combined office, Police station, PO	70 70 70
Bungalows, dak or travellers, inspection, Rest-house	18 (18) 18
Circuit house, Camp, ground, Forest, reserved, protected	18 (18) 18
Spaced names, administrative, locality or tribal	KIKRI

GOVERNMENT OF INDIA, COPYRIGHT, 1972.
Price: Ten Rupees.

REFER TO THIS MAP AS: 1:50,000
SHEET 73 E/13 FIRST EDITION
INDIA भारत

Rakesh Kumar
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DORANDA, DIST. RANCHI-834002 (JHARKHAND) INDIA

REFERENCES
Gip Dispensary, Hospital, City, Country.

बिहार
BIHAR

FIRST EDITION

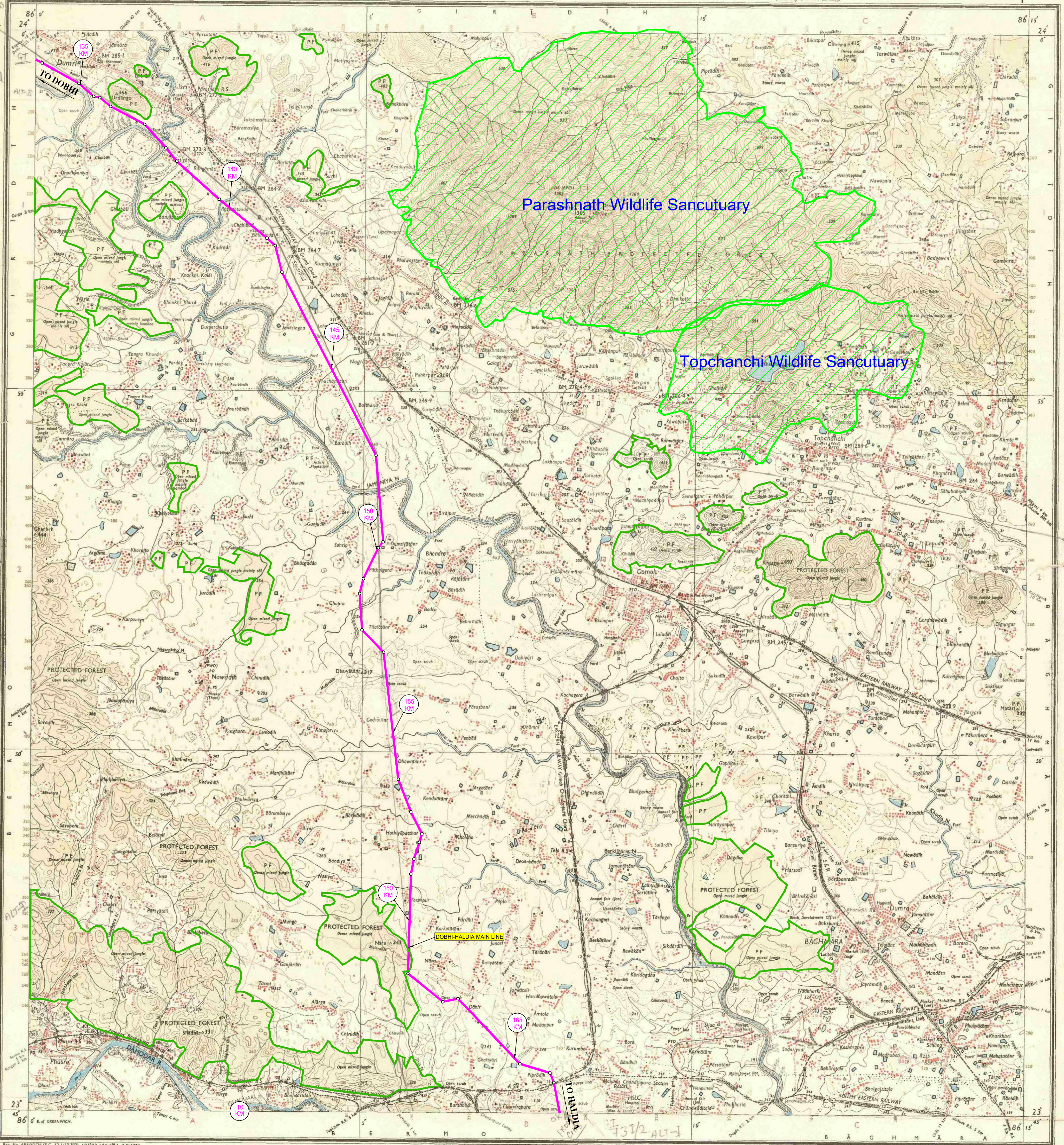
REFER TO THIS MAP AS
SHEET 73 1/1 Fl.

NO. 73 1

DHANBĀD & GIRĪDH DISTRICTS.

Surveyed 1973-74.

Magnetic Variation from True North about 1° West in 1975.
(Decreasing by about 1° annually).



No. 456978 (E.C. 62-13333) 405 80 140 284 4916196.

Roads, metalled: according to importance: distance stone
unmetalled: do. do. bridge
Cart track, Push-track and path: foot-path with bridge
Bridges: with pier without. Causeway, Ford or Ferry
Streets: with track in bed: undefined. Canal
Dams: masonry or rock-filled: earthwork: well
River banks: washing: steep, 3 to 5 metres: over 5 metres
dry with water channel: with island & river: tidal river
Summer-flooded rocks: Shoal, Swamp, Reeds
Wells: lined: unlined: tube-well: Spring: Tank: perennial: dry
Embankment: road or rail: track: broken ground
Railways: broad-gauge: double-track: with station: under construction
other gauges: do. do. with distance: water do.
Mine: line or tramway: telegraph line: cutting: with tunnel
Contours with sub-features: Rocky slopes: Cliffs
Sand features: dunes: sandhills: and dunes: forest: protected: forest
1st Edition 1978
(Previous Edition in Hindi scale: 1:100,000)

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73 1/4	73 1/2	73 3/4
74 1/4	74 1/2	74 3/4

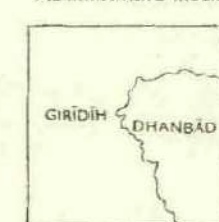
500 m to 1 cm
1:50,000
2 cm to 1 km
Kilometres

HEIGHTS & CONTOURS IN METRES
CONTOUR INTERVAL 20 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 ribbons.
Contours are approximate
A. relative height, B. 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. Not prominent surveyed trees are in black.
*Not applicable.

The kilometre scale numbers along roads and railways are shown in black type, e.g. '5' whereas mile scale numbers are shown in upright type, e.g. '5'.
The triangulation heights and contours in this sheet have not been adjusted to the heights of the spirit-levelled bench-marks and map 100 in strictly in accordance with them.

Administrative Index



Notes on Village: Unsettled: forest
Huts: permanent: temporary: (cattle) Antiquities
Temple: Chhatri: Church: Mosque: Jagan: Tomb: Graves
Lighthouse: Lightship: Boats: Lighted: unlighted: Anchorage
Mine: Vine: do. wells: Grass: Scrub
Palm: palmyra: other: Plantain: Coffee: Bamboo: Other trees
Boundary: international
state demarcated: undemarcated
district: sub-division: taluk: forest
Boundary pillars: surveyed: unsurveyed: village: triangulation
Height: triangulation: station: point: approximate
Bench-mark: geodetic: tertiary: exact: BM 633.84 (63.84)
Post office: telegraph office: combined office: Police station: P.O. P.D. P.T. P.S.
Bungalow: dak or traveller: inspection: Rest house: D.B. D.C. D.P. Forest
Circuit house: Camp: ground: forest: rest: rest: protected: CH. CG. BP. P.S.
Spaced names: administrative: locality or tribal: KIKR. NAGA

REFER TO THIS MAP AS 1:50,000
SHEET 73 1/1 FIRST EDITION

INDIA

REFERENCES
PWD Public Works Department
City Chimney
M.S.C. Hindustan Steel Limited Colony
NH 2 National Highway No. 2
Dist. Dumraon

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प्रबंधक (निर्माण) / MANAGER (CONSTRUCTION)
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BORHANDA, DIST. RANCHI-834002 (JHARKHAND) INDIA

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