

RANCHI DISTRICT.
SUNDARGARH DISTRICT.

Surveyed 1967-68.

BIHAR, ORISSA

FIRST EDITION

Magnetic Variation from True North about 1° West in 1970.
(Decreasing by about 1 annually).

No. 73 B/15



Map No. 951 (P) (S.C. 81-1-33331-2483)

Symbol	Description
[Symbol]	Roads metalled according to importance: distance marked
[Symbol]	unmetalled do
[Symbol]	Cut-track, Push-track and pass. Foot-path with bridge
[Symbol]	Streams with pass within. Canyons. Road or ferry
[Symbol]	Streams with track in bed cut-off. Canal
[Symbol]	Dam: masonry or rock-filled earthwork. Weir
[Symbol]	River banks: shingle, steep 3 to 5 metres over 5 metres
[Symbol]	Very low water channel: with shingle or pebbles. Tidal river
[Symbol]	Submerged rocks. Shoal. Sandbar. Bank
[Symbol]	Wells: hand, unlined. Tube-well. Spring. Tank. Perennial. Dry
[Symbol]	Embankment: road or railway. Broken ground
[Symbol]	Railways: broad gauge, double single with station under construction
[Symbol]	other gauges do do with station under construction
[Symbol]	Light railway or tramway. Telegraph line. Cables with tunnel
[Symbol]	Contours with rock features. Rocky slopes. Cliffs
[Symbol]	Sand dunes. Scattered trees and areas surrounded by forest

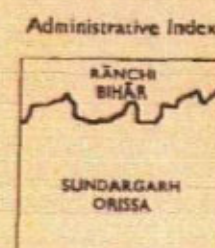
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Published under the direction of Brigadier J.S. Pantul, M.S., M.L.E., Surveyor General of India, 1972.

1:50,000

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 interior boundaries of areas of Reserved or Protected Forests are shown by green ribbons.
Contours are approximate.
A red line height, if it 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.
* Not applicable.



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

Symbol	Description
[Symbol]	Towns or Villages: (shaded) reserved forest
[Symbol]	Hotels: permanent temporary. Tower. Antiquities
[Symbol]	Temples: Chhatri. Church. Mosque. Idgah. Tana. Ghouse
[Symbol]	Lighthouses. Lightship. Buoy. Lighted. Unlighted. Anchorage
[Symbol]	Wind. Windmill. Windmill. Green. Scar
[Symbol]	Palms: palm-tree. Palm-tree. Bamboo. Other trees
[Symbol]	Boundary: international
[Symbol]	State demarcated: undemarcated
[Symbol]	district. sub-division. taluk. village
[Symbol]	Boundary: yellow survey. village. village. village
[Symbol]	Heights: triangulated station. point. approximate
[Symbol]	Bench mark: generic. tertiary. canal
[Symbol]	Post office. Telegraph office. Combined office. Police station
[Symbol]	Burglars: able to travel. inspection. Run-house
[Symbol]	Camp. House. Camp. Ground. Forest. reserved. protected
[Symbol]	Special names: administrative. locality or tribal

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INDIA

विभाग के लिए नहीं
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बिहार BIHAR

FIRST EDITION

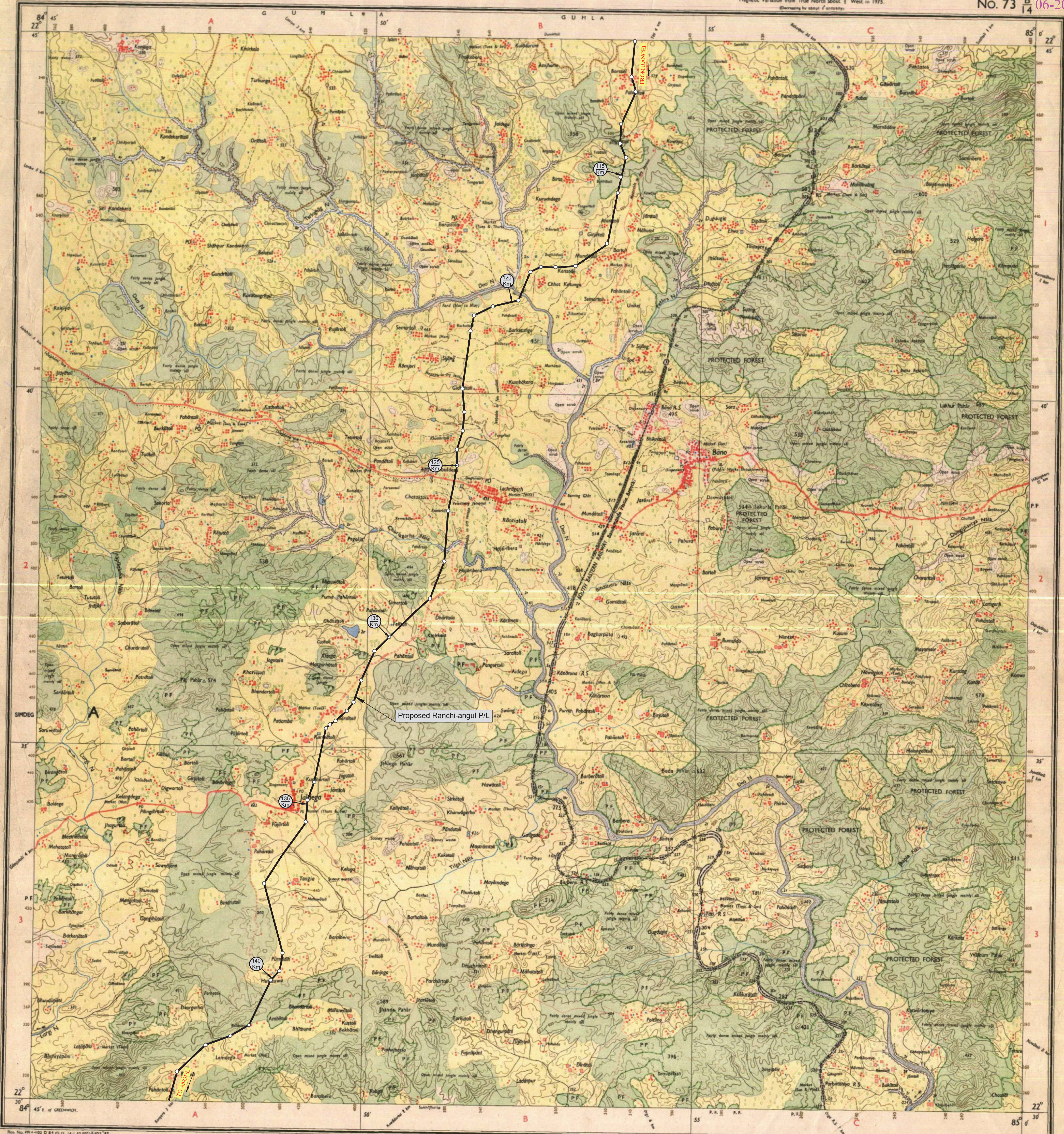
INDIA
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SHEET 73 B/14 FIRST EDITION

No. 73 B/14 06-20

GUMLA DISTRICT.

Surveyed 1978-79.

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



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| 73E | 73F | 73G |
| 73H | 73I | 73J |
- 500 m to 1 cm
1:50,000
2 cm to 1 km
- HEIGTS & 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, 400, 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.
- 1st Edition 1984.
Previous editions on this scale: 1914/1916, 1947, 1967, 1974.

- Administrative Index
- GUMLA
- Points of Interest: Uninhabited, distance stone, unmetalled, da, bridge, Cart-track, Puck-track and pass, Foot-path with bridge, Bridges with plane, cuttings, Causeway, Road or Ferry, Streams with track in bed, unmetalled, Canal, Dams, masonry or rock filled, water, River banks, shelling, steep, 3 to 6 metres, over 6 metres, dry with water channel, with island & rocks, Tidal river, Shimmered rocks, Shrub, Swamp, Road, Wells, lined, unlined, Tube well, Spring, Tank, Borehole, dry, Embankment, road or rail, tank, Broken ground, Railway, broad gauge, double single with station, under construction, Gauge, da, da with distance stone, Mineral, coal, or iron, Telegraph line, Cutting with tunnel, Sand features, dunes, rocky, steep, Cliffs, Sand features, dunes, rocky, steep, Cliffs.

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