निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F45B1

Scale 1:50,000

G45S16	G45T4	G45T8
Chatra JHARKHAND		
F45A13	**F45B1**	F45B5
		Hazaribag JHARKHAND
Latehar JHARKHAND F45A14	F45B2	F45B6
	Ranchi JHARKHAND	

1 Lohardaga, JHARKHAND

Kodadung

Brinda

भारतीय सर्वेक्षण विभाग **SURVEY OF INDIA**

1st Edition 2009 Price : Rs. 50/-

CONVENTIONAL SYMBOLS

Express highway; with toll; with bridge; with distance stone

Roads metalled; according to importance

Roads double carriageway; according to importance

Unmetalled road; Cart track; Foot-track with pass; Foot path

Streams, with track in bed, undetermined; Canal

Dams; masonry or rock; Weir; earthwork; Weir

River; dry, with water channel; with islands & rocks; Tidal river

Submerged rocks; Shoal; Swamp; Reefs

Wells; lined; unlined; Tube-well; Spring; Tank; perennial; dry

Embankments; road or rail; lands; Broken ground

Railways, broad gauge; double; single with station, under construction

Railways, other gauges; double; single with distance stone; dis.

Ropeway; line or ropeway; Kiln; Cutting; with tunnel

Contours with sub features; Rocky slopes; Cliffs

Sand features; (Wind-Drawn Hills (permanent) (Sand-dune/dunes)

Towns or Villages; inhabited; deserted; Fort

Huts; permanent; temporary; Tower; Antiquities

Temple; Chiltern; Church; Mosque; Idgah; Tumbs; Graves

Light-house; lighthouse; Buoy; lighted; unlighted; Anchorage

Mines; Mine or quarry; derrick; derrick

Palms; palmyra; other; Plantain; Conifer; Bamboo; Other trees

Areas; cultivated; wooded; Surveyed tree

Boundary; international

" state; demarcated; undemarcated

" district, subdivision, tehsil or taluk; forest

Boundary pillars; surveyed; unsurveyed

Heights; triangulated; station; point; approximate △ 200 ⊿ 200 ⊿ 200

Bench mark; geodetic; tertiary; canal BM 63·3 BM 67·3

Post office; Telegraph office; Courthouse; Inn

Road Toll; Inspection bungalow; Circuit house; Police station

Camping ground; Forest reserved; protected CG RF PF

Tribal names; administrative, locality or tribal KIKRI NAGA

Hospital; Dispensary; Veterinary; Hospital; Dispensary

Aerodrome; Helipad; Tourist site

Power line; with pylons surveyed; with pylons unsurveyed

PDF F... ...ED PRICE Rs. 250/=

REFERENCE

NH 100 National Highway No. 100

NOTES :-

Heights are in metres and above Indian mean sea level.

Contours are approximate.

The kilometre stone numbers along roads and railways are shown in each type, e.g. 7.

Numerals without decimal points are known or upright type, e.g. 1.

Portals about which complete information is not available, have not been shown in this sheet.

A relative height, & represents the approximate height in metres between the top and bottom of a steep slope.

The tentative boundaries of areas of Reserved or Protected Forests are shown by green dotted

COMPILATION INDEX

A. Surveyed during 1978-79. Updated for major details from 1:25,000 survey, 1984-85 and from satellite imagery of 1987 during 2008-09

Projection – *UTM* *Datum* – *WGS 84*

Magnetic Variation from True North about 1 West in 2005. (Increasing in about 1 annually)

1:50,000

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

Director

Jharkhand Geo-Spatial Data Centre

Survey of India, Doranda

Ranchi – 834002

PROTECTED FOREST
PROTECTED FOREST
PROTECTED FOREST
PROTECTED FOREST
BARKAGAON RESERVED FOREST
BARKAGAON RESERVED FOREST
MAHUDI PAHAR
Badgaon
Fairly dense jungle mainly sal
Dense jungle mainly sal
Open jungle mainly sal
Open scrub
Open jungle mainly eucalyptus
Garu 574
Tunda 558
Tamdaga
Chandu Nadi
Garhi Kalan
Chatti Bhiryatu
Sarna 603
Tanta 632
Kamlapur 613
Salpahari 633
Bhuna 583
Kabra
Pukle
Kasyapkh
Pachra
Sahkhola
Lohardaga
Kurmu Khurd
Kurmu Kalan
Kareulia
Losatwar
Baldpato
Kalkel
Kalhe
Mungalkand
Lochar
Bhawani
Bhitha
Hetchbanpur
Hatia
Pahra
Jamua
Tandar
Baratu
Tayapura Kalan
Dewaria Khurd
Dewaria Kalan
Pahra Khurd
Garri Khurd
Garri Kalan
Chamgarha
Jamnathi
Chorsada
Bargagaon
Kalimadar
Khairlari
Kantari
Sunguru
Mirdapur
Kanaura
Pandurai
Sitra
Pipra
Bhuna
Mandal
Ramkhar
Chora
Kalyanpur
Bhanda
Bhalubo
Bhalubo
Bhalubo