

No. F45A13

Scale 1:50,000

G45S12	G45S16	G45T4
Chatra	JHARKHAND	
F45A9	F45A13	F45B1
Lātehā	JHARKHAND	Hazārībāg
F45A10	F45A14	F45B2
Lohārdāga	JHARKHAND	Rānchi

1 Palamu, JHARKHAND.

भारतीय सर्वेक्षण विभाग
SURVEY OF INDIA

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CONVENTIONAL SYMBOLS

Express Highway, with toll; with bridge; with distance stone	20
Roads, metalled; according to importance	
Roads, double cartway; according to importance	
Unmetalled road, Cart-track, Pack-track with pass, Foot-path	
Streams, with track in bed; underlined, Canal	
Dams: masonry or rock-filled; earthwork, Well	
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 distance stone; do	
Railways, other gauge; double; single with distance stone; do	
Mineral line or tramway, Kila, Cutting with tunnel	
Contours with sub-features, Rocky slopes, Cliffs	
Sand features: (flut.) (sand-hills) (permanent), (dunes) (shifting)	
Towns or Villages: inhabited; deserted, Fort	
Huts: permanent; temporary, Tower, Antiquities, do	
Temple, Chhatri, Church, Mosque, Igāh, Tomb, Graves	
Lighthouse, Lightship, Buoy, Light; 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, taluk or tiluk; forest	
Boundary pillars: surveyed; unlocated; village trijunction	
Heights, triangulated; station point; approximate	
Bench-mark: geodetic; tertiary; canal	
Post office, Telegraph office, Overhead tank	
Rest house or inspection bungalow, Circuit house, Police station	
Camping ground, Forest: reserved; protected	
Spaced names: administrative; locality or tribal	
Hospital, Dispensary, Veterinary hospital	
Aerodrome, Helipad, Tourist site	
Power line: with pylons surveyed; with poles unsurveyed	

REFERENCE

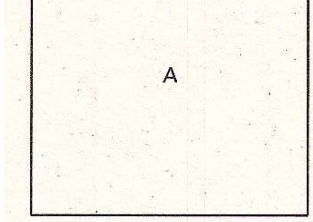
NW 99 National Highway No. 99

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
Tanks shown dry, in this area usually contain water from July to December.
Unmetalled roads and cart-tracks in this sheet are generally motorable in dry season.
The common boundaries of the Protected Forests at some places in this sheet have not been shown for want of reliable information.
A relative height, *h*, represents the approximate height, in metres, between the top and bottom of steep slopes.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green ribbons.
The kilometre stone numbers along roads are shown in slant type, e.g. 5, whereas milestone numbers are shown in upright type, e.g. 5.

COMPILATION INDEX

A. Surveyed during 1978-79. Updated for major details during 2004-05.



Projection - UTM Datum - WGS 84

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

1:50,000

Scale 1:50,000
500 m to 1 cm
0 1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

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No. F45A14

