

No. F45B9

Scale 1:50,000

1	G45T8 (72H/8)	Kodama JHARKHAND G45T12 (72H/12)	Girdih JHARKHAND G45T16 (72H/16)
	Hazāribāg JHARKHAND F45B5 (73E/5)	F45B9 (73E/9)	F45B13 (73E/13) Bokāro JHARKHAND
2	F45B6 (73E/6)	F45B10 (73E/10)	F45B14 (73E/14)

1 Chatra, JHARKHAND.
2 Ranchi, JHARKHAND.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009.

Price : Rs. 50/-

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; undefined. Canal	
Dams: masonry or rock-filled; earthwork. Weir	
River: dry with water channel; with island & rocks. Tidal river	
Submerged rocks. Shoal. Swamp. Reeds	
Wells: lined; unlined. Tube-well. Spring. Fane: perennial; dry	
Embankments: road or rail; tank. Broken ground	
Railways, broad gauge: double; single with station; under constr.	
Railways, other gauges: double; single with distance stone; do.	
Mineral line or tramway. Kib. Cutting with tunnel	
Contours with sub-features. Rocky slopes. Cliffs	
Sand features (1 Met. (2 sand hills) (3 dunes) (4 dunes) (5 dunes)	
Towns or Villages: inhabited; deserted; Fort	
Hut; permanent; temporary. Tower. Antenna	
Temple. Chhatra. Church. Mosque. Ulgah. Tomb. Graves	
Lighthouse. Lightship. Buoy: lighted; unlighted. Anchorage	
Mine. Vine on trails. Grass. Scrub	
Palms: palms; other. Plantain. Conifer. Bamboo. Other trees	
Areas: cultivated; wooded. Surveyed tree	
Boundary: international	
state: demarcated; undemarcated	
district: subdivided; taluk or taluk; forest	
Boundary pillars: surveyed; unlocated	
Heights: triangulated station; point; approximate	
Benchmark: geodetic; tertiary; canal	
Post office. Telegraph office. Overhead cable	
Rail house or inspection building. Guard house. Police station	
Camping ground. Forest reserved; protected	
Spaced names: administrative; locality or tribal	
Hospital. Dispensary. Veterinary Hospital / Dispensary	
Aerodrome. Helipad. Tourist site	
Power line: with pylons surveyed; with pylons unsurveyed	
PROTECT BOUNDARY/KAP (MINE)	

NOTE:-
Heights are in metres and above Indian mean sea level.
Contours are approximate.
The triangulated heights and contours in this sheet have not been adjusted to the heights of spirit-levelled benchmarks and may not be strictly in accordance with them.
The kilometre stone numbers along roads and the railway are shown in short type, e.g., '2' whereas milestone numbers are shown in long type, e.g., '12'.
A relative height, if represented by the approximate height, in metres, between the top and bottom of a steep slope.
National Highway No. 33 from Ranchi to Baramulla is passing through the South-West corner of the sheet.

P1

COMPILED INDEX

A. Surveyed during 1975-76. Updated from Satellite imagery of 2007 during 2009-09.



Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1° West in 2005.

(Decreasing by about 1° annually).

500 m to 1 km

1:50,000

2 cm to 1 km

CONTOUR INTERVAL 10 METRES

For further details about this map, please contact

Director

Jharkhand Geo-Spatial Data Centre

Survey of India, Danda

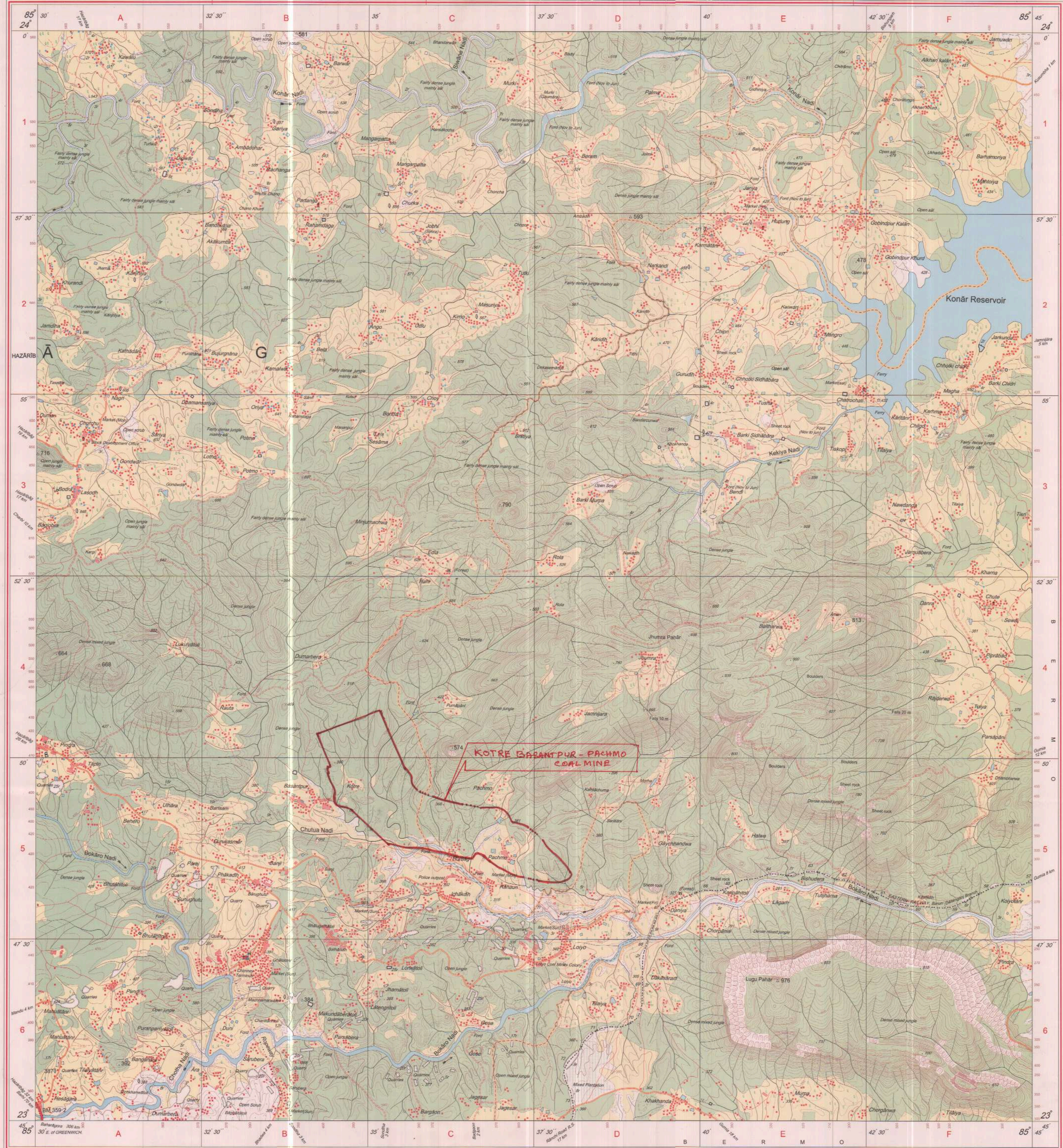
Ranchi 834002

Fax : 0651 - 2482789

WEBSITE - www.surveyofindia.gov.in

Reproduction in whole or part by any means is prohibited without the written permission of Survey of India, the National Mapping Agency.

GOVERNMENT OF INDIA COPYRIGHT, 2009.



REG. No. 8819-SPC D 19 (Jharkhand GDC-1:50,000)-1015.

भारत के सर्वेक्षण के विभाग ने प्रकाशित.
Published under the direction of Surveyor General of India.
Survey of India, Hishibankata Estate, Post Box No. 37, Dehra Dun-248001 (Uttarakhand)
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA.