मानचित्र के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F45B9

Scale 1:50,000

G45T8 (73E/6)	Kodarma JHĀRKHAND G45T12 (73E/10)	Giridīh JHĀRKHAND G45T16 (73E/14)
Hazārībāg JHĀRKHAND F45B5 (73E/5)	F45B9 (73E/9)	F45B13 (73E/13) Bokāro JHĀRKHAND
F45B6 (73E/6)	F45B10 (73E/10)	F45B14 (73E/14)

1 Chatra, JHĀRKHAND.
2 Rānchi, JHĀRKHAND

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2009 Price Rs. 50/-

CONVENTIONAL SYMBOLS

Express highway, with I.C. with badge, with distance stone
Roads: metalled, according to importance
Roads: double carriageway, 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, earth work, Weir
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 station, under constr.
Railways: other gauges: double, single, with distance stone, di
Monorail line or tramway, Kiln, Cutting, with tunnel
Contours, with sub-features, Rocky slopes, Cliffs
Sand features (Thar, Coastal, Salt pan, Marsh)
Towns or villages: inhabited, deserted, Fort
Huts: permanent, temporary, Tower, Antiquities
Temple, Chhatri, Church, Mosque, Idgah, Tomb, Gurudwara
Lighthouse, Lightship, Buoys: lighted, unlighted, Anchorage
Mine, Vineyard, trellis, Grass, Scrub
Palms, palmyra; other, Plantain, Conifer, Bamboo, Other trees
Areas: cultivated, wooded, Surveyed line
Boundary: international
state (demarcated, undemarcated)
district, subdivision, tehsil or Taluk, forest
Boundary pillars: surveyed, unlocated
Heights, triangulated, Spot 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 / Dispensary
Aerodrome, Helipad, Tourist site
Power line: with pylons surveyed, with poles unsurveyed

PDF PRINTED PRICE Rs. 250/-

NOTES -

Heights are in metres and above Indian mean sea level.

The triangulated heights and Contours on this sheet have not been adjusted to the height of spirit levelled benchmarks and may not be strictly in accordance with them.

The kilometer stone numbers along roads and the railway are shown in italic type, e.g. 'S' denotes milestone numbers on the river in upright type, e.g. 'S'.

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

National Highway No. 33 from Ranchi to Hazaribagh is passing through the South-West corner of the sheet.

INDEX

(1) NOTIFIED FOREST LAND	0.00 Ha.
(2) G.M.(T.J.) LAND	4.21 Ha.

COMPILATION INDEX

A Surveyed during 1975-76 Updated from Satellite imagery of 2007 during 2008-09

Mahendra Vijay Kumar
Surveyor(I) Project Officer
Basantpur Tapin
Coking Coal Washery

Projection - UTM Datum - WGS 84

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

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

Metres 1000 500 0 1 2 3 Kilometres

CONTOUR INTERVAL 10 METRES

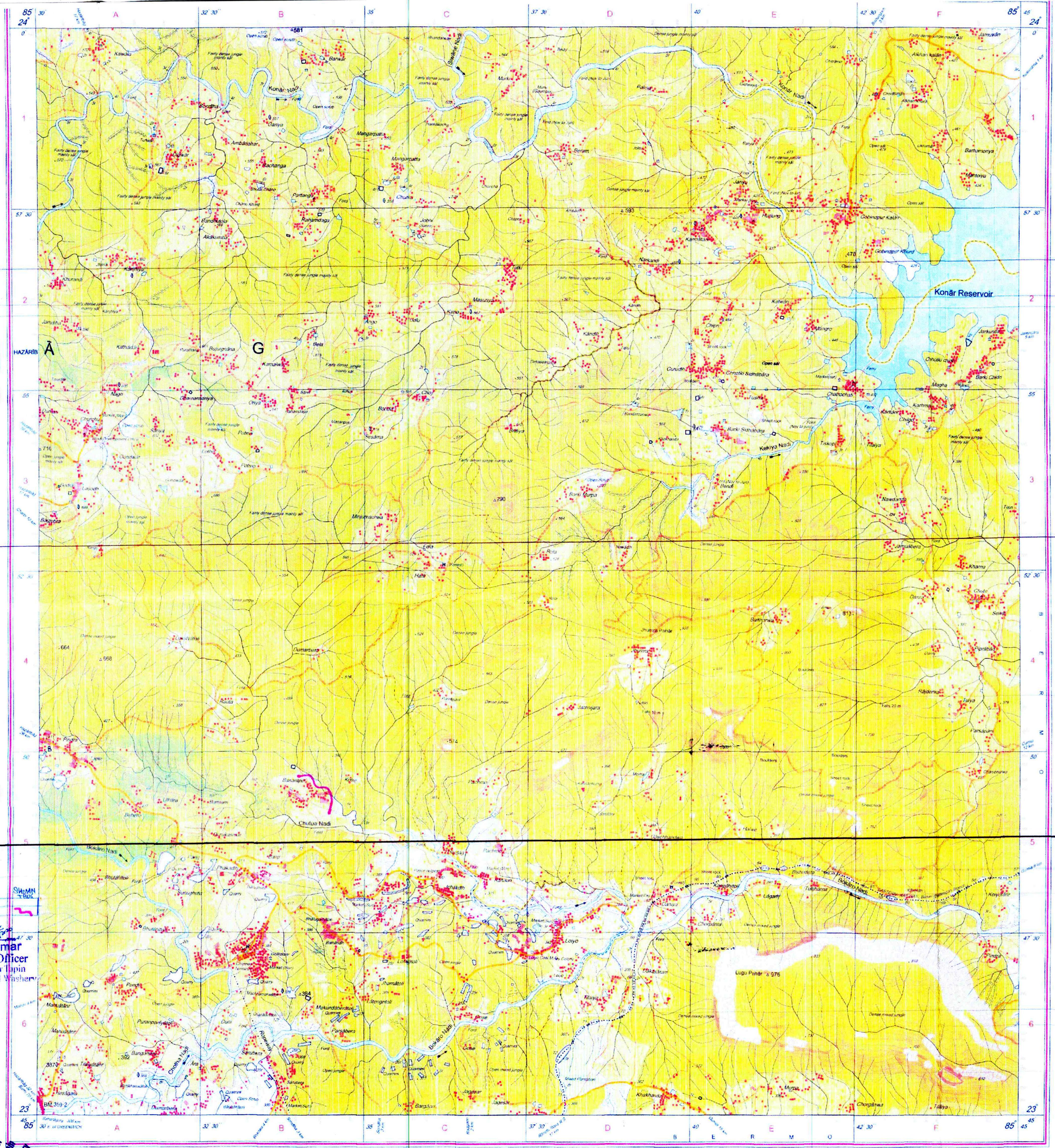
For further details about this map, please contact
Director
Jhārkhand Geo-Spatial Data Centre
Survey of India, Doranda
Rānchi 834002
Fax : 0651 - 2482769

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

Sanjeev Kumar
Nodal Officer
Basantpur Tapin
Coking Coal Washery



SPS D 196 (Jharkhand G.D.C.) (50,000)

भारत के महासर्वेक्षक के निदेश से प्रकाशित
Published under the direction of Surveyor General of India
Survey of India, Hathibarkala Estate, Post Box No.37, Dehra Dun-248001 (Uttarākhand)
Department of Science & Technology, Government of India.

PRINTED AT THE SOUTHERN PRINTING GROUP OF SURVEY OF INDIA