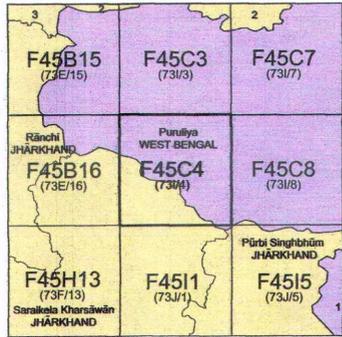


**No. F45C4**  
 Scale 1:50,000



1 Bānkura, WEST BENGAL.  
 2 Bōkārō, JHARKHAND.  
 3 Hazāribāg, JHARKHAND.

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2010. Price : Rs. 50/-

**CONVENTIONAL SYMBOLS**

- Express highway, with toll, with bridge, with distance stone
- Roads, metalled, according to importance
- Roads, double cartway, according to importance
- Unmetalled road, Cart-track, Path-track with pass, Foot-path
- Streams, with track in bank, underfoot, Canal
- Dams, masonry or rock-filled, overbank, Weir
- River, dry with water channel, with island & rocks, Tidal river
- Submerged rocks, Shoal, Swamp, Reeds
- Wells, lined, unlined, Tube-well, Spring, Tank, perennial, dry
- Embankments, road or rail, tank, Broken ground
- Railways, broad gauge, double, single with station, under construction
- Railways, other gauges, double, single with distance stone, do.
- Mineral line or tramway, Km. Cutting with tunnel
- Contours with sub-features, Rocky slopes, Cliffs
- Sand features: (1) flat, (2) sand-hill (dune), (3) dunes (barren)
- Towns or Villages, inhabited, deserted, Fort
- Habit, permanent, temporary, Tower, Antiquities
- Temple, Chhatra, Chandi, Mosque, Ghat, Tomb, Graves
- Lighthouses, Lightships, Buoys, lighted, unlighted, Anchorage
- Mine, Vms on bell, Grass, Scrub
- Palms, palmery, other, Plantain, Coconut, Bamboo, Other trees
- Areas, cultivated, wooded, Surveyed tree
- Boundary, international
- state, demarcated, undemarcated
- district, subdivision, tahsil or thika, forest
- 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
- Special names, administrative, locality or tribal
- Hospital, Dispensary, Veterinary, Hospital / Dispensary
- Aerodrome, Helipad, Tourist site
- Power line, with pylons surveyed, with poles unsurveyed

Divisional Forest Officer  
 Puruliya Division

**REFERENCE**

NV 32 National Highway No. 32

**NOTES :-**

Contours are approximate.  
 A relative height,  $h_r$  represents the approximate height, in metres, between the top and bottom of a steep slope.  
 The triangulated heights and contours in this sheet have not been adjusted to the heights of the spirit-levelled bench-marks and may not be strictly in accordance with them.  
 The state boundary between Jharkhand and West Bengal States has been surveyed as pointed out by the local officials on the ground, but has not been verified by the Government concerned.  
 Small area of plantation in this sheet, against which there is no remark is acacia plantation.  
 Wells are numerous throughout the sheet; only the important ones have been shown.  
 Tanks, shown dry, in this area usually contain water from July to March.

**COMPILATION INDEX**  
 A. Compiled from 1:25000 survey, 1983-84. Updated for major details during 2008-07.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about  $\frac{1}{2}$  West in 2005.  
 (Annual change negligible).

1:50,000



For further details about this map, please contact

Director  
 WB & Sikkim Geo-Spatial Data Centre  
 Survey of India, 13, Wood Street  
 Kolkata.

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.

