


Project Name:-Widening/Strengthening & Reconstruction of Barlanga-Nemra-Pirgul-Kasmar
(Bahadurpur(on NH-23)-Kasmar kherachater Upto West Bengal Border)Road.

Name of Forest Division:-Bokaro



निर्वात को निर-नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F45B15

Scale 1:50,000

Hazratnagar
JH-RKHAND
F45B10
(73E10)

F45B14
(73E14)

F45C2
(73E2)

Ranchi
JH-RKHAND
F45B11
(73E11)

F45B15
(73E15)

F45C3
(73E3)

F45B12
(73E12)

F45B16
(73E16)

F45C4
(73E4)

1 Dhanbad, JH-RKHAND.

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2010. Price : Rs. 70/-

CONVENTIONAL SYMBOLS

Express highway with bit, with bridge with distance stone

Roads, metalled according to importance

Roads, double carriageway according to importance

Unmetalled road, cart track, track with pass, footpath

Stream, with track in bed, undrained, canal

Ditch, masonry or rock-lined, earthen, well

River, dry with water channel, with island & rocks, tidal river

Swampy ground, shoal, bazaar, bazaar

Wells, hand, covered, tubewell, spring, tank, perennial, dry

Embankment, road or rail track, broken ground

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

Railways, other gauges, double, single with distance stone, do.

Metalled line or railway, do, cutting with tunnel

Contours with sub-contours, rocky slopes, cliffs

Sand features (1/1000 scale)

Towns or villages, inhabited, deserted, fort

Place, permanent, temporary, tower, antenna

Temple, church, mosque, light, tank, shrine

Lighthouse, light, buoy, lighted, lighted, anchorage

Mine, vein on India, grass, scrub

Palm, palm, other, plantain, coconut, bamboo, other trees

Area, cultivated, wooded, surveyed, tree

Boundary, international

state, demarcated, undemarcated

Boundary, sub-division, tribal or tribal, forest

Boundary, plain, surveyed, unsurveyed

Height, triangulation, station, point, approximate

Benchmark, geodetic, tertiary, national, BM 6333, BM 6343

Post office, telegraph office, overhead tank

Rail house or inspection bungalow, club house, public station

Camping ground, forest, reserved, protected

Speed, normal, administrative, locality or tribal, KKR, A/G4

Hospital, dispensary, veterinary hospital, dispensary

Airport, heliport, tourist site

Power line, with pylon surveyed, with poles unsurveyed

REFERENCES

PWD: Public Works Department, SDF: South Eastern Railway, BDO: Block Development Office.

NOTES

Heights are in metres and above Indian mean sea level.

Contours are approximate.

The administrative boundaries in this sheet have been surveyed as pointed out by the local officials on the ground, but have not been verified by the authorities concerned.

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

COMPILED INDEX

A. Compiled from 1:25,000 survey, 1962-83. Updated for major details during 2008-07.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 1/2° West in 2005. (Annual change negligible).

1:50,000

Scale 1:50,000

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact Director, WB & Sikkim Geo-Spatial Data Centre, Survey of India, 13, Wood Street, Kolkata.

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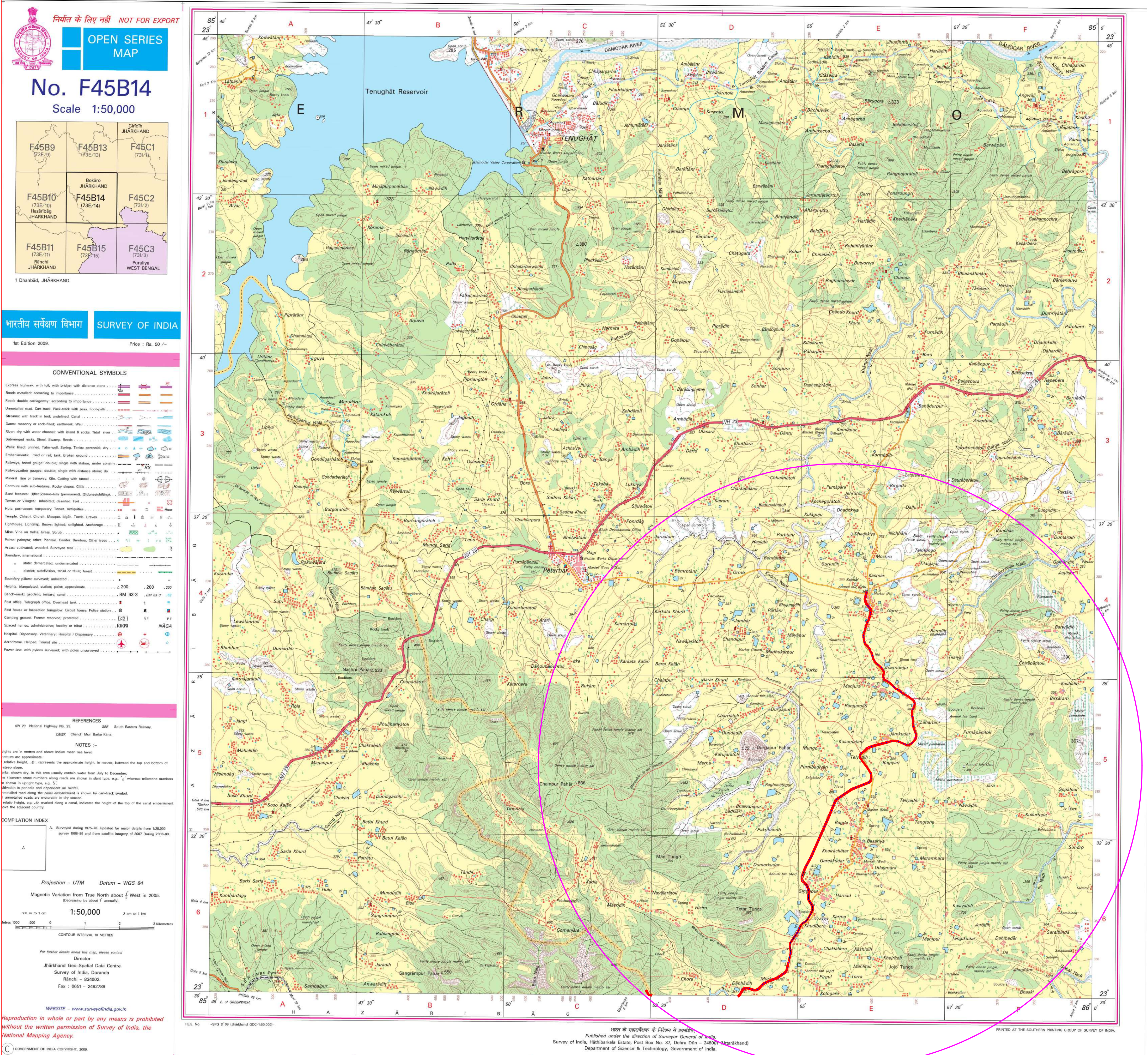
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निर्वात के लिए नहीं

NOT FOR EXPORT

OPEN SERIES

MAP

No. F45C2

Scale 1:50,000

1	Girdh	
F45B13	F45C1	F45C5
(73E13)	(73C1)	Dhanbad
		JH-RKHAND
F45B14	Bokaro	F45C6
(73E14)	F45C2	(73D16)
F45B15	Purulia	F45C7
(73E15)	WEST BENGAL	(73D17)
2	Ranchi	JH-RKHAND

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2011.

Price - Rs. 70/-

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. Pack-track with pass. Foot-path.

Streamers with track in bed, unmetalled. Canal.

Dam, masonry or rock-fall, earthenwork. Water.

River, dry with water channel, with island & rocks. Tidal river.

Submerged rocks. Shoal. Swamp. Floods.

Wells, lined, unlined. Tube-well. Spring. Tanks, perennial, dry.

Electricity, overhead or sub-station. Electric power.

Railways, broad gauge, double, single with station, inner, outer.

Railways, other gauges, double, single with distance stone, etc.

Mineral line or tramway. Kib. Cutting with tunnel.

Contours with sub-base-line. Rocky slopes. Cliffs.

Sand dunes (Red. Chalk (Higumment) (Shaded) (Shaded).

Towns or Villages situated, deserted. Fort.

Habit, permanent, temporary. Tower. Aqueduct.

Temple. Chhatra. Chhatra. Manja. Light. Tomb. Graves.

Lighthouse. Lightship. Buoy. Lighted. Unlighted. Anchorage.

Mine, live or dead. Glass. Brick.

Palm, palmyra, other. Plantain. Coffer. Bamboo. Other trees.

Areas, cultivated, wooded. Surveyed line.

Boundary, international.

State, demarcated, undemarcated.

district, subdivision, taluk or block, forest.

Boundary pillars, surveyed, uncoloured.

Height, triangulated, station, point, approximate.

Benchmark, geodetic, battery, zero.

Post office. Telegraph office. District head.

Rest house or inspection bungalow. Circuit house. Police station.

Camping ground. Forest, reserved, protected.

Specified names, administrative, locality or tribal.

Hospital. Dispensary. Veterinary Hospital. Dispensary.

Airfield. Helipad. Tourist site.

Power line, with pylons surveyed, with poles unsurveyed.

REFERENCE

NH-23 National Highway No. 23

NOTES

Heights are in metres and above Indian mean sea level.

Contours are approximate.

A relative height, e.g., 100, represents the approximate height, in metres, between the top and bottom of a steep slope.

Townships are numerous throughout the sheet, only the important ones have been shown.

The administrative boundaries in this sheet have been surveyed as pointed out by the local officials on the ground but have not been verified by the authorities concerned.

COMPILED INDEX

A

Projection - UTM Datum - WGS 84

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

(Decreasing by about 1° annually)

Scale 1:50,000

500 m to 1 cm

0 500 1000 2000 3000

Metres 1000 500 0 1000 2000 3000

Kilometres

CONTOUR INTERVAL, 20 METRES

For further details about this map, please contact

Director

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