

No. F44X13

Scale 1:50,000

Barangah ORISSA	F44R12	F44R16	Sambalpur ORISSA
	F44X9	F44X13	F45S1
Balangir ORISSA	F44X10	F44X14	F45S2

भारतीय सर्वेक्षण विभाग SURVEY OF INDIA

1st Edition 2008.

PRICE ₹ 18/-

CONVENTIONAL SYMBOLS

Express highway with toll, with bridge with distance zone	
Roads, rivulets according to importance	
Roads, double carriageway, according to importance	
Unmetalled road, Cart-track, Foot-track with pass, Foot-path	
Stream with bank in bed, unmetalled, Canal	
Dam, masonry or rock-filled, earthwork, Weir	
River, dry with water channel, with island & rocks, Tidal river	
Submerged rocks, Shoal, Swamp, Reeds	
Well, lined, unlined, Tugboat, Spring, Tank, perennial, dry	
Embankment, road or rail, embankment, Broken ground	
Railways, broad gauge, double single with distance zone, do	
Mineral line or tramway, Kite, Cutting with tunnel	
Contours with sandstone, Rocky slopes, Cliffs	
Sand features (Wind-blown, dunes, dunes, dunes)	
Towns or Villages, inhabited, deserted, Fort	
Huts, permanent, temporary, Tower, Ancestral	
Temple, Church, Mosque, Jagan, Tomb, Groves	
Lighthouse, Lightship, Buoy, Lighted, unlighted, Anchorage	
Line, View on trails, Grass, Scrub	
Palms, palm, other, Plantain, Coffee, Bamboo, Other trees	
Area, cultivated, wooded, Scrubbed, tree	
Boundary, international	
Boundary, district, sub-division, taluk or tahsil, forest	
Height, triangulation station, point, approximate, do	
Barometer, aneroid, aneroid, aneroid, aneroid	
Post office, Telegraph office, Overhead line	
Post house or inspection bungalow, Check 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, unlined, with pylons, unlined	

REFERENCES

NH-226 National Highway No.226. PWD Public Works Department.

NOTES

Heights are in metres and above Indian mean sea level.
Contours are approximate.
A relative height, do, represents the approximate height, in metres, between the top and bottom of a steep slope.
Tanks, shown dry, in this area, usually contain water from July to November.
Cane distance stones are 300 metres apart and every fifth stone is numbered.
The administrative set up has been retained in this sheet as per the information provided to Government of Orissa, Bhubaneswar, in 1993 and 1994, that has not been departmentally verified.
Important buildings are shown in black.
Hazardous areas are shown in black.

COMPILATION INDEX

A. Compiled from 1:25,000 survey 1978-80. Updated for major details during 2004-06.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 2° West in 2005. Annual change negligible.

1:50,000

500 m to 1 cm 2 cm to 1 km
Metres 1000 500 0 500 1000 2000 3000
CONTOUR INTERVAL 10 METRES

For further details about this map, please contact

Director

Orissa Geo-Spatial Data Centre

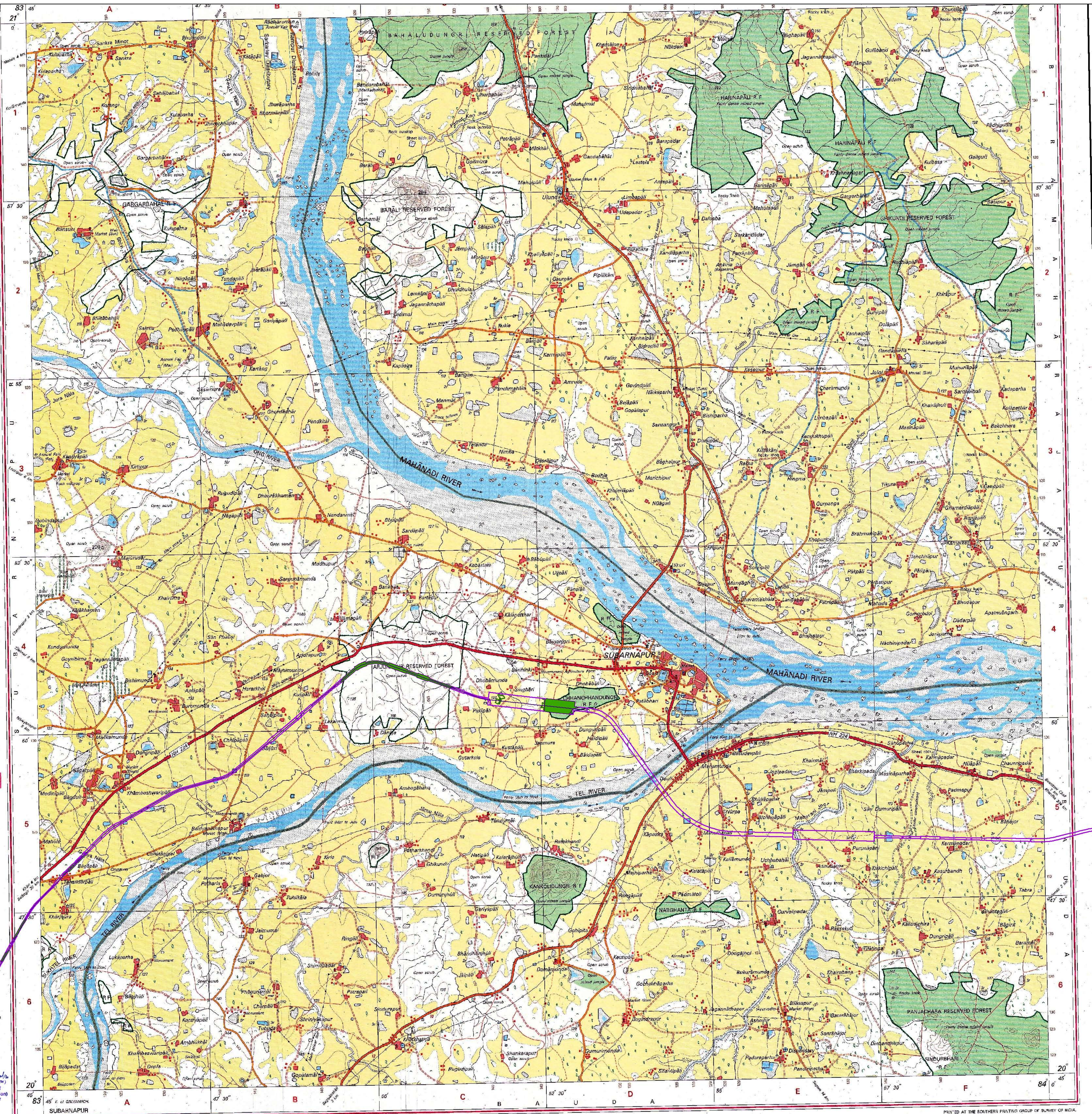
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निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES
MAP

No. F45S5

Scale 1:50,000

F45M4 (73C/4)	F45M8 (73C/8)	F45M12 (73C/12)
Subarnapur ORISSA	Sambalpur ORISSA	Anugul ORISSA
F45S1 (73D/1)	F45S5 (73D/5)	F45S9 (73D/9)
F45S2 (73D/2)	F45S6 (73D/6)	F45S10 (73D/10)
1 Deogarh, ORISSA	2 Nayagarh, ORISSA	

भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

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CONVENTIONAL SYMBOLS

Express highway with toll with bridge with distance stone	20
Roads, classified according to importance	
Roads, double carriageways according to importance	
Unimproved road, cart-track, pack-track and pass, foot-path	
Stream, with track in both, unimproved, canal	
Dams, masonry or rock-fills, earthwork, weir	
River, dry with water channel, with flood & rocks, tidal river	
Superimposed rocks, show, swamp, forest	
Wells, hand, unlined, tube-well, spring, tanks, perennial, dry	
Sandstone, road or rail, sand, broken ground, cliffs	
Railways, broad gauge, double; single with station; under construction	
Railways, other gauges, double; single with distance stone; do.	
Mineral line or tramway, rail, cutting with tunnel, do.	
Contours with sub-heights, rocky slopes, cliffs	
Sand features (dunes, dunes-like permanent, dunes-like, dunes-like)	
Towns or villages, inhabited, deserted, fort	
Hills, permanent, temporary, tower, antiquities	
Temples, Chhatris, Churches, Mosques, Jagns, Tomb, Graves	
Lighthouses, Lightships, Buoy, lighted, unlighted, Anchorage	
Mine, View on trails, Grass, Rock, Tomb, Other trees	
Areas, cultivated, wooded, surveyed tree	
Boundary, international	
State, demarcated, undemarcated	
District, subdivision, taluk or taluq, forest	
Boundary pillars, surveyed, unlocated	
Heights, triangulated, stations, exact, approximate	200, 200, 200
Bench-mark, geodetic, temporary, detail	BM 63-3, BM 63-2, BM 63-1
Post office, Telegraph office, Overhead tank	
Rest house or lodge, public building, Civil house, Police station	
Camping ground, Forest, reserved, protected	RF, PF
Spaced names, administrative, locality or tribal	KIKRI, NAGA
Hospital, Dispensary, Veterinary Hospital, Dispensary	
Airfield, heliport, Tourist site	
Power line, with pylons surveyed, with poles unsurveyed	

REFERENCES

NH 224 National Highway No. 224 PWU Public Works Department
ECR East Coast Railway

NOTES

Heights are in meters and above Indian mean sea level.
Contours are shown in black with names.
Important buildings are shown in black with names.
A relative height, if represented, is shown between the top and bottom of a steep slope.
The administrative boundaries have been surveyed as outlined out by the local officials on the ground, but have not been verified by the District authorities concerned.
Forest boundaries were surveyed as marked out by the local forest officials on the ground and the same were substantiated by the District Forest Officers.
The exterior boundaries of areas of Reserved or Protected Forests are shown by green lines.
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.
Hand Pump is shown in blue.

COMPILED INDEX

A. Compiled from various surveys 1979-80. Updated for major details.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 4° West in 2008.

Unusual change negligible.

1:50,000

600 m to 1 cm 2 cm to 1 km

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact:

Director

Orissa Geo-Spatial Data Centre

Survey of India

Survey Bhawan, PO - R.R. Laboratory

Bhubaneswar.

Fax : 0674 - 2301419



Scale 1:50,000

Forest Range	OFR Number
Baragarh	F44R12
Subarnapur	F44R16
Balasore	F44X5
Bouda	F44X10
Kandhamal	F44X14

ambalpur, ORISSA.

नीय सर्वेक्षण विभाग SURVEY OF INDIA

Edition 2008.

PRICE \$1.50

CONVENTIONAL SYMBOLS

highway, with toll; with bridge; with distance stone -   
 methoded according to importance - 
 double carriages; according to importance - 
 street road, Carriage, Road-work with pass, Foot-path -    
 way with track in bed, undefined Canal -  
 industry or rock-filled, hardwork, Water -   
 way with water running, with Island & rocks, Tidal river -   
 signed road, Island Swampy, Forest -   
 way with island, Tidal-wood, Spring, Tidal, mountain, dry -      
 road, road or rail, rock, River, ground, -    
 way, broad gauge, double, single with station, under, common -     
 way, other, gauge, double, single with distance stone, do -    
 of line or railway, ASU, Cutting with tunnel -   
 way with auto-ferries, Road, drops, Cattle -    
 features, (Cattle) road, hill, pavement, (Cattle) mountain, -     
 or Village, inhabited, deserted, Fort -    
 permanent, temporary, Tower, Army, town, -     
 AS, District, Church, Mosque, Igloo, Town, General, -       
 stone, Highway, Stone, lighted, unlighted, Amusement, -      
 way to traffic, Stone, Church -   
 railway, other, Platform, Car, Boundary, Other, town, -      
 cultivation, wooded, Surrounded, tree -    
 way, international, -  
 stone, detached, unenclosed, -   
 street, suburban, road, of Road, Street -     
 way, paths, surveyed, uncollected, village, signpost, -      
 lines, transacted, station, point, approximation -     
 way, bank, road, century, canal -     
 way, Telegraph, office, Chevrolet, tank -     
 house or inspection, suspension, Great, Police, Police station -     
 way ground, Police, road, not, protected -     
 and name, administrative, locally, or Public - <

REFERENCES

PWD Public Works Department. NH 201 National Highway No. 201

NOTES :-

is are in metres and above Indian mean sea level. All are approximate. Air height - it represents the approximate height, in metres, between the top and bottom of a slope. Rail roads and cart-tracks in this sheet are generally unimproved and impassable during seasonally.

Water boundary between Balangir and Subarnapur Districts has been shown in this sheet as per the information provided in the Gazette Notification 1905 of Government of Orissa but has not been specifically verified.

Pump is shown thus: 

MPILATION INDEX

A. Compiled from 1:25,000 survey 1980-81. Updated for major details during 2004-05.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about $\frac{3}{4}^{\circ}$ West in 2005.
(Annual change negligible).

1:50,000

1 2 3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please

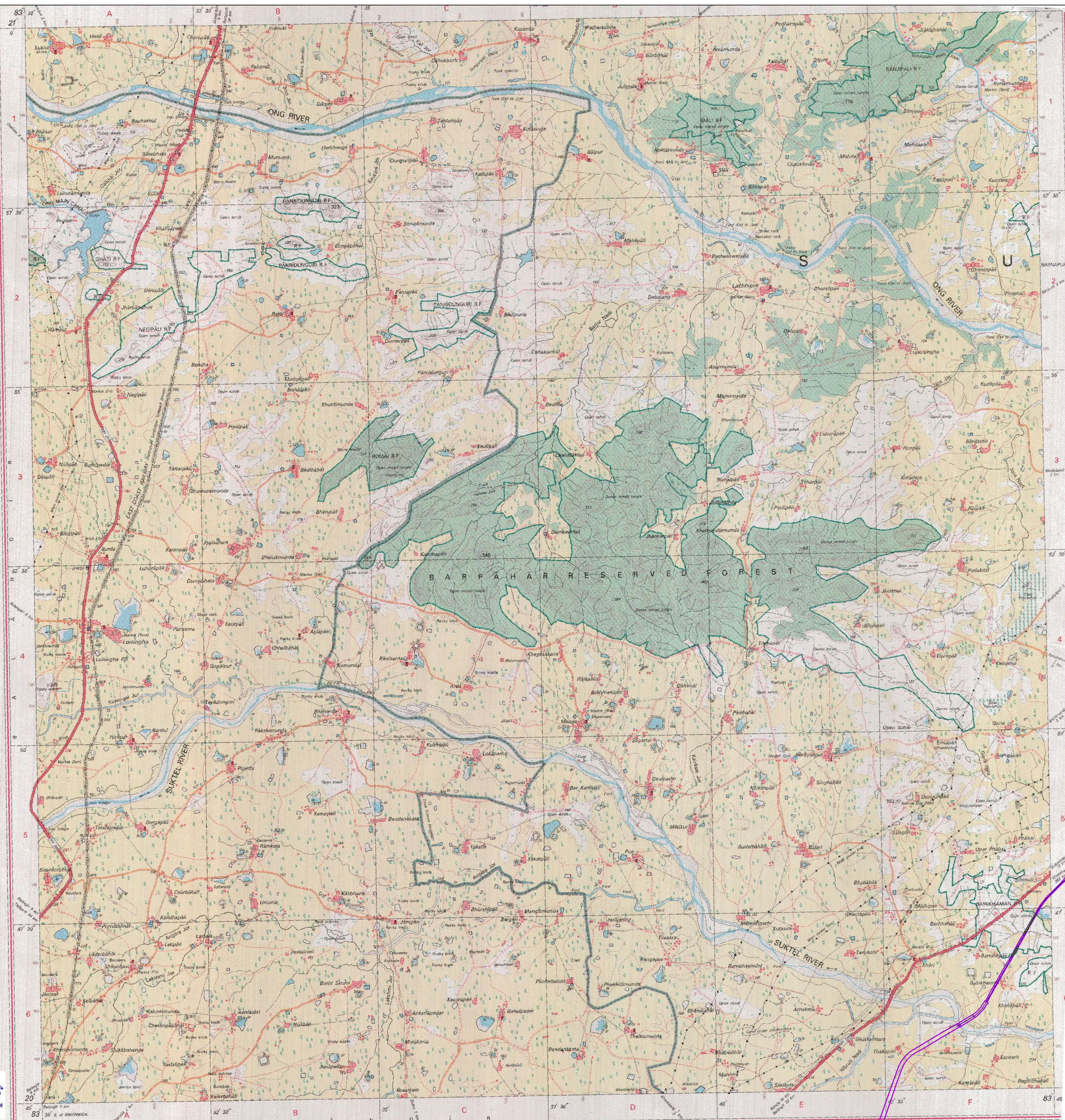
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Orissa Geo-Spatial Data Ce

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ABSTRACT





निर्यात के लिए नहीं NOT FOR EXPORT

OPEN SERIES MAP

No. F44X10

Scale 1:50,000

Baragah ORISSA	F44X5	F44X9	F44X13
	F44X6	F44X10	F44X14
	F44X7	F44X11	F44X15

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CONVENTIONAL SYMBOLS

Express highway with toll, wall bridge with distance stone

Roads, metalled according to importance

Roads, dummy cartway, according to importance

Unmetalled road, Cart track, Pack-track with posts, Foot-path

Stream with track or bed, undefined, Canal

Dam, masonry or rock-filled, concrete, weir

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

Summed-up rocks, Shrub, Swamp, Reeds

Water, lined, unlined, Tidal, well, Spring, Tank, perennial, dry

Embankment, road or rail, tank, Barren ground

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

Highways, other gauges, double, single with distance stone, do

Mineral line or tramway, K.M. Cutting with tunnel

Contours with auto features, Rocky slopes, Cuts

Salt features, (Salt) Dead-water, (Salt) Dead-water, (Salt) Dead-water

Towns or villages, inhabited, deserted, Fort

Hills, permanent, temporary, Tower, Antiquities

Temple, Church, Mosque, Idgah, Tomb, Grave

Lighthouse, Lightship, Buoy, lighted, unlighted, Anchorage

Mine, Vene on rocks, Grass, Scrub

Prime, primary, other, Panchang, Cattle, Ramba, Other trees

Arise, cultivated, wooded, Surveyed tree

Boundary, International

State, domestic, undemarcated

district, subdivision, taluk or tahsil, forest

Boundary pillars, surveyed, unlocated, village, irrigation

Height, triangulation station, point, approximate

Bench-mark, geodetic, tertiary, canal

Post office, Telegraph office, Overhead tank

Rail station or inspection, building, Circuit house, Police station

Camping ground, Forest, reserved, protected

Spaced names, administrative, locality or tribal

Hospital, Dispensary, Veterinary hospital

Aerodrome, Heliport, Tourist site

Power line, with pylons surveyed, with pylon unsurveyed

REFERENCES

NH 224 National Highway No. 224

ECR East Coast Railway

NOTES

Heights are in metres and above Indian mean sea level

Contours are approximate

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

Unmetalled roads are generally metalled in dry season

Tanks, shown dry in this area, usually contain water from July to December

Important buildings are shown in black with names

The district boundaries between Balasore & Boudha, Balasore & Subarnapur & Boudha

Boundaries have been shown in the sheet as per the information provided in the Gazette Notification, Prg of Government of Orissa, but have not been departmentally verified

Land pump is shown thus

COMPILED INDEX

A

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about 2° West in 2005.

(Annual change negligible)

1:50,000

500 m to 1 cm

2 cm to 1 km

3 Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact

Director

Orissa Geo-Spatial Data Cent

Survey of India

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Rubachashwar

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