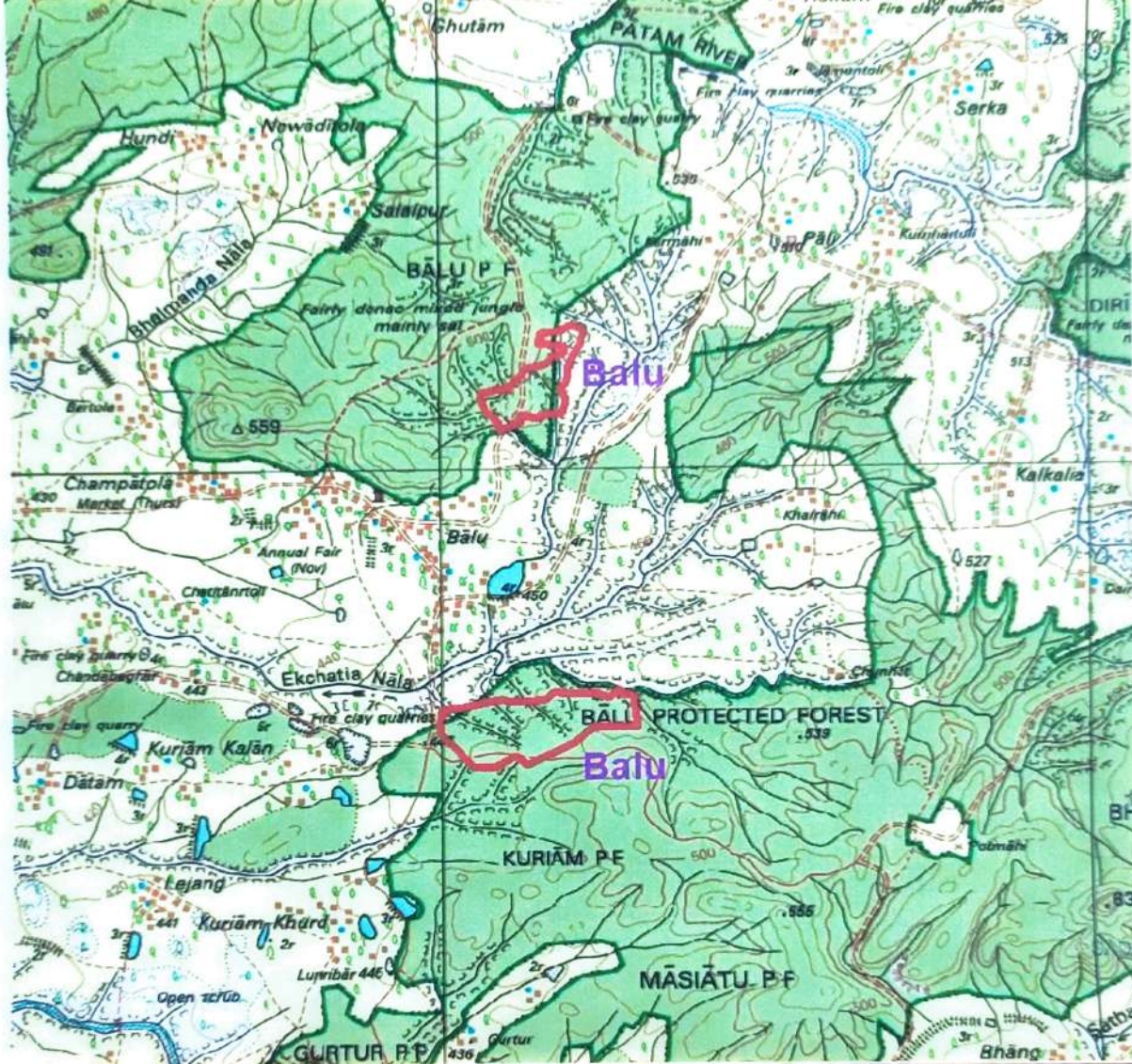






Scale 1:50,000

| Code   | Name (Russian) | Name (Khakassian) |
|--------|----------------|-------------------|
| G45S8  | Район          | JHÄRKHAND         |
| G45S12 |                |                   |
| G45S16 | Четра          | JHÄRKHAND         |
| F45A5  |                |                   |
| F45A9  | Латехар        | JHÄRKHAND         |
| F45A13 |                |                   |
| F45A6  |                |                   |
| F45A10 | Лохридзига     | JHÄRKHAND         |
| F45A14 |                |                   |

1 Гумля, JHÄRKHAND. 2 Рэнчи, JHÄRKHAND.

SURVEY OF INDIA

1st Edition 2009.

Price : Rs. 50 /-

### CONVENTIONAL SYMBOLS

Express highway; with toll; with bridge; with distance stone

Express, highway; toll according to importance

Roads, double carriageway; according to importance

Unimproved road, Cart-track, Push-track, with stone, Foot-path.

Stream; with track in bed; unimproved. Canal.

Rail: masonry or rock-laid; earthwork. Wire.

River; dry with water channel; with island or rocks. Tidal river.

Submerged rocks. Shoal. Swamp. Reeds.

Well; (cistern) lined; well, spring. Tank; Tanka; perennial; dry.

Embankment: raised or tall; tank. Broken ground.

Railways, broad gauge; double; single with distance; under contrn.

Railways, narrow gauge; double; single with station; do.

Mineral line or tramway. Kila. Cutting with tunnel.

Contours with sub-fences. Rocky slopes. Cliffs.

Sand villages: (Kilal) (Lizard-hill) (permanant), (Djutanah) (things).

Town or Features: inhabited; deserted. Fort.

Place: permanent, temporary, Tower, Antiquities.

Temple, Chhatra, Church, Mosque, Igala, Tent, Graves.

Lighthouse. Lightship. Buoy; Lighted; unlighted. Anchorage.

Mine. Vine on rock. Grass. Scrub.

Palms; palm-trees; other. Palsain, Conifer, Bamboo. Other trees.

Arms: cultivated; wooded. Surveyed line.

Boundary, International.

Boundary, district; surveyed; uncalculated; village irrigation.

Height, triangulation; station; point; approximate.

Best office; geodesic; military; canal.

Post office, Telegraph office. Overhead tank.

Rest house or Inspection barrack, Court house, Police station.

Camping ground. Forest reserved; protected.

Special names: administrative local or tribal.

Hospital. Dispensary. Veterinary hospital.

Aerodrome. Helipad. Tourist site.

Power line: with pylons surveyed; with poles unsurveyed.

NOTES :-

Heights are in metres and above Indian mean sea level.  
Contours are approximate.  
Tanks shown dry, in this area, usually contain water from July to January.  
A relative height,  $\delta$ , represents the approximate height, in metres, between the top and bottom of a steep slope.  
The information regarding the forests in this sheet is not complete.  
Wells are numerous in southern half of the sheet, only the important ones have been shown.  
The kilometre stone numbers along roads, are shown in slant type, e.g.,  $\delta$  whereas milestone numbers are shown in upright type, e.g., 5.  
Cultivation is periodic and dependent on rainfall.

## COMPILATION INDEX

A. Surveyed during 1978-79. Updated for major details during 1982-83 and 2004-05.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about  $\frac{1}{4}^{\circ}$  West in 2005.  
(Decreasing by about  $1'$  annually).

1:50,000

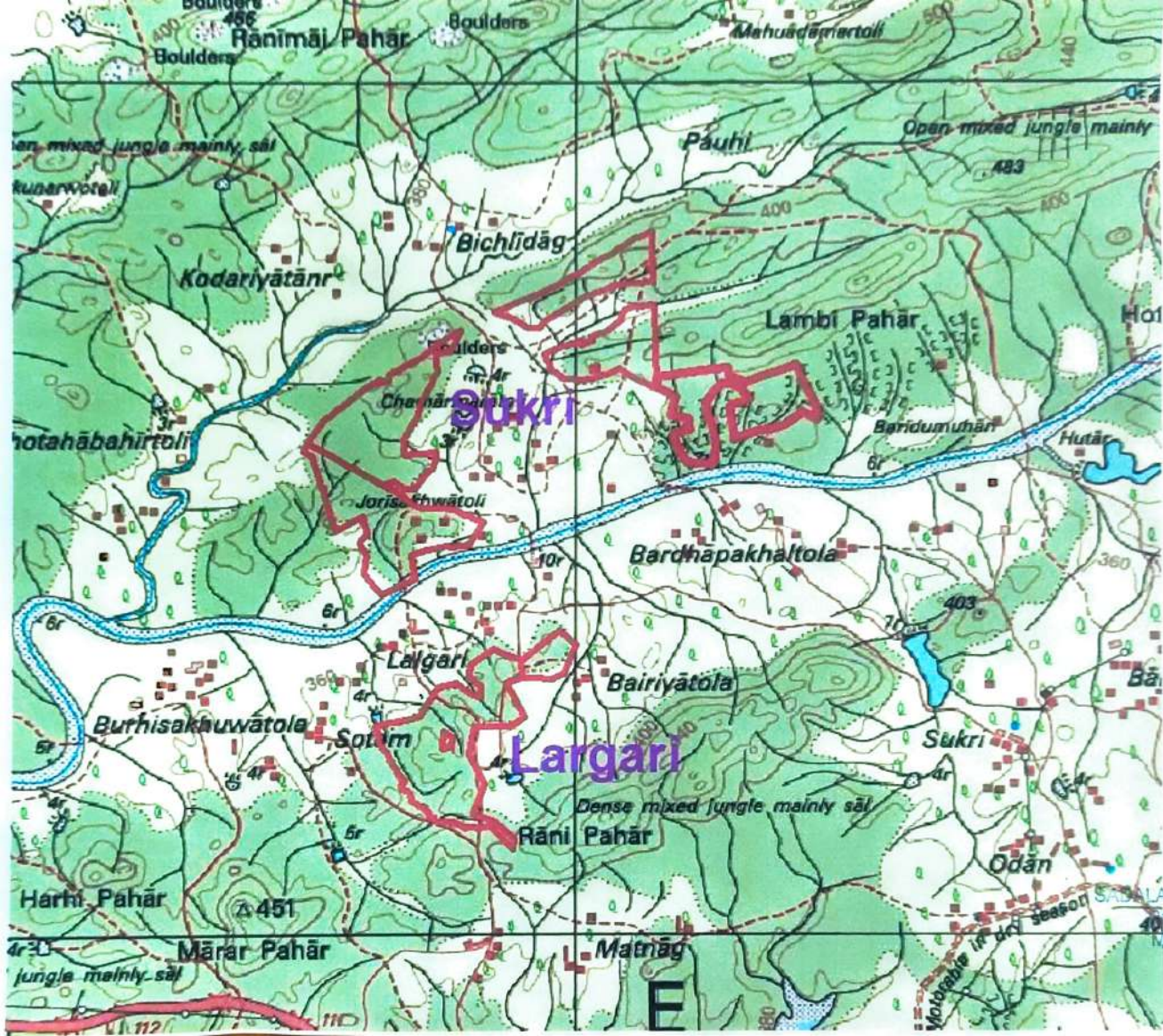
For further details about this map, please contact

Director

## Hand Geo-Spatial Data

Survey of India, Dorand  
Bānchi-834002





*S. 10.23*  
SADALA SATYANARAYAN  
Project Officer  
Magadh OCP

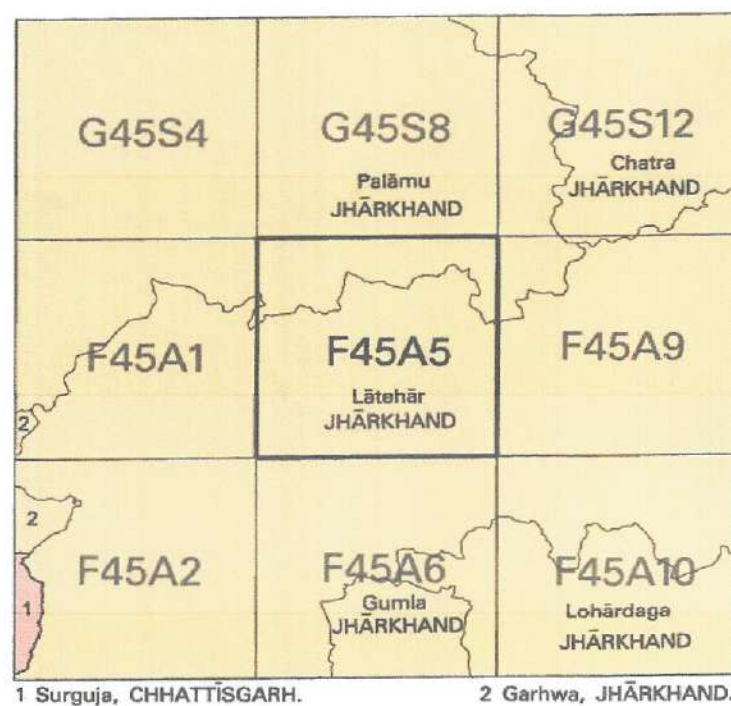


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भारतीय सर्वेक्षण विभाग

SURVEY OF INDIA

1st Edition 2009.

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CONVENTIONAL SYMBOLS

- Express highway: with toll; with bridge; with distance stone ... 20  
Roads, metalled: according to importance ... 20  
Roads, double cartage-way: according to importance ... 20  
Unmetalled road: Cart-track: Road-track with pass: Foot-path ... 20  
Ditches: with track in bed; unmetalled: Canal ... 20  
Dams: masonry or rock-filled; earthenwork: Weir ... 20  
River: dry with water channel; with island & rocks: Tidal river ... 20  
Submerged rocks: Shoal: Scarp: Reefs ... 20  
Wells: lined; unlined: Tube-well: Spring: Tank: Perennial; dry ... 20  
Embankments: road or rail: tank: Broken ground ... 20  
Railways, broad gauge: double single with station; under constrn. ... 20  
Railways, other gauges: double single with distance stone: do ... 20  
Mineral line or tramway: Kite: Cutting with tunnel ... 20  
Contours with sub-features: Rocky slopes: Cliffs ... 20  
Sand features: (Mud) (Sand-hill) (permanent) (Discontinuous) ... 20  
Towns or Villages: inhabited: deserted: Fort ... 20  
Huts: permanent; temporary: Tower: Antiquities ... 20  
Temple: Chhatra: Church: Mosque: Light: Tomb: Doves ... 20  
Lighthouse: Lightship: Buoys: lighted: unlighted: Anchorage ... 20  
Mine: Vine on trellis: Grass: Scrub ... 20  
Palms: palms: other: Plantain: Coffee: Bamboo: Other trees ... 20  
Areas: cultivated: wooded: Surveyed tree ... 20  
Boundary: International ... 20  
state: demarcated: undemarcated ... 20  
district: subdivision: taluk or taluq: forest ... 20  
Boundary pillars: surveyed: unlocated: village trijunction ... 20  
Height: triangulation: station: point: approximate ... 20  
Bench-mark: geodetic: utility: canal ... 20  
Post office: Telegraph office: Overland tank ... 20  
Rest house or inspection bungalow: Circuit house: Police station ... 20  
Camping ground: Forest: reserved: protected ... 20  
Speed names: administrative: locality or tribal ... 20  
Hospital: Dispensary: Veterinary hospital ... 20  
Aerodrome: Heliport: Tourist site ... 20  
Power line: with pylons surveyed: with poles unsurveyed ... 20

REFERENCES

800 Block Development Office. NH 75 National Highway No. 75.

NOTES :-

Heights are in metres and above Indian mean sea level.  
Contours are approximate.  
Tanks shown dry, in this area usually contain water from July to December.  
A relative height,  $\Delta$ , represents the approximate height, in metres, between the top and bottom of a steep slope.  
The district boundary between Lohardaga and Palamu Districts has been surveyed as pointed out by the local officials on the ground, but has not been verified by the District authorities.  
Forest boundaries have not been shown for want of reliable information.  
The kilometre stone numbers along roads and the railway are shown in slant type, e. g., '5' whereas mile stone numbers are shown in upright type, e. g., '5'.

COMPILATION INDEX

A. Compiled from 1:25,000 Survey 1979-83. Updated for major details during 2004-05.

Projection - UTM Datum - WGS 84

Magnetic Variation from True North about  $\frac{1}{4}^\circ$  West in 2005.  
(Decreasing by about  $1'$  annually).

1:50,000

500 m to 1 cm  
2 cm to 1 km  
Kilometres

CONTOUR INTERVAL 20 METRES

For further details about this map, please contact  
Director  
Jharkhand Geo-Spatial Data Centre  
Survey of India, Dorenda  
Ranchi-834002.  
Fax : 0651 - 2482789

